

## SOCKETS – DIP/SIP

### SIP SOCKETS



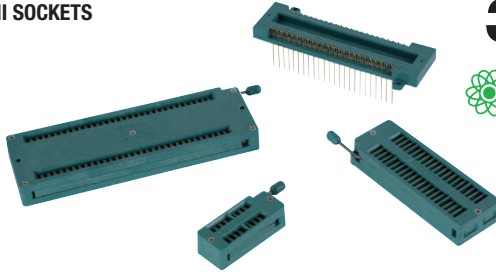
- For Single In-Line packages on .100" centers
- Lead Counts from 10 to 36
- Lever actuated Zero Insertion Force contact
- Ganging bar included to enable mass actuation
- Can be used in sets of two or more to create a socket for non-standard DIP packages

With decades of experience on the market, 3M™ Textool™ In-Line ZIP Strip Sockets provide a proven, reliable test and burn-in interface for single in-line style packages in pin counts of 10 to 36.

| Mfg. Part No.      | No. of Positions | Stock No. | Price Each |         |         |
|--------------------|------------------|-----------|------------|---------|---------|
|                    |                  |           | 1-9        | 100-499 | 500-999 |
| ● 220-2600-00-0602 | 20               | 85K7806   | 29.23      |         |         |
| ● 232-2601-00-0602 | 32               | 85K7846   | 32.82      |         |         |

(88667)

### ZIP DIP II SOCKETS



- Reliable, proven interconnect for Dual In-line IC Packages
- .100" lead spacing
- Lead Counts from 14 to 64
- Lever actuated Zero Insertion Force contact mechanism
- Receptacles/Socket Savers are available for all sizes

With decades of experience on the market, 3M™ Textool™ DIP Sockets provide a proven, reliable test and burn-in interface for DIP Packages with .100 in. lead spacing, and pin counts of 14 to 64. The sockets possess a lever actuated zero insertion force mechanism to maximize cycle life and reduce the potential for device lead damage.

| Mfg. Part No.       | No. of Positions | Stock No. | Price Each |         |         |
|---------------------|------------------|-----------|------------|---------|---------|
|                     |                  |           | 1-9        | 100-499 | 500-999 |
| ● 214-3339-00-0602J | 14               | 85K7793   | 12.43      |         |         |
| ● 216-3340-00-0602J | 16               | 85K7797   | 11.24      |         |         |
| ● 218-3341-00-0602J | 18               | 85K7802   | 14.08      |         |         |
| ● 220-3342-00-0602J | 20               | 85K7807   | 13.16      |         |         |
| ● 228-1277-00-0602J | 28               | 85K7825   | 14.88      |         |         |
| ● 228-4817-00-0602J | 28               | 85K7834   | 15.81      |         |         |
| ● 240-1280-00-0602J | 40               | 85K7848   | 16.68      |         |         |
| ● 248-1282-00-0602J | 48               | 85K7866   | 17.85      |         |         |
| ● 264-4493-00-0602J | 64               | 85K7875   | 30.76      |         |         |

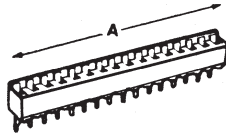
(88657)

### AMP DIPLOMATE® DUAL LEAF (DL) SIP SOCKETS



- Low Profile: 0.210" (5.33) Above PC Board
- Contact Spacing: 0.100" (2.54)
- Voltage: 250VAC
- Meet EIA RS-415, MIL-S-83734 Specifications
- UL Recognized, CSA Certified

SIP sockets have dual wiping contacts with retention tails. Large target area with tapered lead-in ramps for easy insertion. Accept 0.008"–0.015" (0.203–0.381) thick x 0.030" (0.762) maximum wide rectangular leads. Glass-filled thermoplastic housing, rated UL94V-0, with closed bottom design and standoffs. Stackable end-to-end, side-to-side.



#### BERYLLIUM COPPER/TIN PLATING

| Mfg. Part No. | Contacts | Dimension A    | Stock No. | Price Each |         |         |
|---------------|----------|----------------|-----------|------------|---------|---------|
|               |          |                |           | 1-9        | 100-499 | 500-999 |
| ● 382437-1    | 3        | 0.295" (7.49)  | 22G6384   | 0.47       | 0.42    | 0.40    |
| ● 382438-1    | 4        | 0.395" (10.03) | 94B7371   | 0.85       | 0.75    | 0.73    |
| ● 643640-1    | 8        | 0.795" (20.19) | 50F2203   | 0.99       | 0.86    | 0.77    |
| ● 643641-1    | 9        | 0.895" (22.73) | 22G5325   | 1.59       | 1.51    | 1.42    |
| ● 643642-1    | 10       | 0.995" (25.27) | 50F2205   | 0.93       | 0.88    | 0.85    |
| ● 643644-1    | 12       | 1.195" (30.35) | 50F2207   | 1.61       | 1.39    | 1.29    |
| ● 643648-1    | 16       | 1.595" (40.51) | 50F2211   | 1.05       | 0.90    | 0.90    |
| ● 643650-1    | 18       | 1.795" (45.59) | 50F2213   | 2.16       | 1.80    | 1.74    |
| ● 643652-1    | 20       | 1.995" (50.61) | 50F2214   | 1.35       | 1.29    | 1.24    |
| ● 643652-3    | 20       | 1.995" (50.61) | 50F2248   | 1.33       | 1.25    | 1.22    |

#### BERYLLIUM COPPER/GOLD PLATING

|             |   |                |         |      |      |      |
|-------------|---|----------------|---------|------|------|------|
| ● 1825410-8 | 8 | 0.795" (20.19) | 16M2799 | 0.84 | 0.79 | 0.73 |
|-------------|---|----------------|---------|------|------|------|

▶ CONTINUED ▶

### AMP DIPLOMATE® DUAL LEAF (DL) SIP SOCKETS (CONT.)

#### PHOSPHOR BRONZE WITH TIN PLATING

| Mfg. Part No. | Contacts | Dimension A    | Stock No. | Price Each |         |         |
|---------------|----------|----------------|-----------|------------|---------|---------|
|               |          |                |           | 1-99       | 100-499 | 500-999 |
| ● 643653-3    | 21       | 2.095" (53.21) | 50F2249   | 3.16       | 2.80    | 2.52    |

(4464)

### AMP 510 SERIES SIP SOCKET TERMINAL STRIPS



- Gold Plated Beryllium Copper Contact
- Brass Sleeve
- Thermoplastic Polyester Housing, Flammability Rated UL94V-0
- Centerline: 0.100" (2.54mm)
- Stackable/Closed Frame Style



Break into desired lengths.

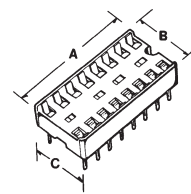
| Mfg. Part No.  | Contacts | Sleeve Plating | Stock No. | Price Each |       |
|----------------|----------|----------------|-----------|------------|-------|
|                |          |                |           | 1-24       | 25-48 |
| ● 510-AG90D-10 | 10       | Gold           | 67F1822   | 4.25       |       |
| ● 1-1571994-0  | 10       | Tin            | 52K3253   | 3.21       |       |
| ● 510-AG90D-20 | 20       | Gold           | 50F1736   | 7.50       |       |
| ● 2-1571994-0  | 20       | Tin            | 52K3454   | 3.87       |       |

(4788)

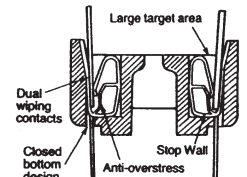
### AMP DIPLOMATE® DUAL LEAF (DL) DIP SOCKETS



- Contact Spacing: 0.100" (2.54)
- Rating: 250VAC
- Dielectric Withstanding Voltage: 1000V<sub>RMS</sub> Minimum
- Insulation Resistance: 5000MΩ Minimum
- Contact Resistance: 20mΩ Maximum
- Meets EIA RS-415, MIL-S-83734 Specifications
- UL Recognized, CSA Certified



Closed Frame



Through-hole mount DIP sockets with closed frame construction. Feature dual wiping contacts with straight solder tail in tin or 30µ" gold plating over phosphor bronze or copper alloy. Glass-filled thermoplastic housing with lead-in ramps for easy insertion and standoffs for easy board cleaning. Internal anti-over-stress walls prevent contact damage. Closed bottom design inhibits solder wicking and flux contamination and meets EIA 486, Class 1. Stackable end-to-end or side-to-side (brickwalling) for high board density packaging. Visual polarization. Designed for automatic machine insertion. Accept 0.008-0.014" (0.203-0.355) thick IC leads.

#### LADDER FRAME — PHOSPHOR BRONZE/TIN PLATING

| Mfg. Part No. | Contacts | Dimensions (Inches) |       |       | Stock No. | Price Each |       |         |
|---------------|----------|---------------------|-------|-------|-----------|------------|-------|---------|
|               |          | A                   | B     | C     |           | 1-9        | 10-99 | 100-499 |
| ● 1-390261-1  | 6        | 0.295               | 0.394 | 0.300 | 52K3275   | 0.20       | 0.15  | 0.13    |
| ● 1-390261-2  | 8        | 0.395               | 0.394 | 0.300 | 52K3276   | 0.19       | 0.14  | 0.12    |
| ● 1-390261-3  | 14       | 0.695               | 0.394 | 0.300 | 52K3277   | 0.17       | 0.17  | 0.13    |
| ● 1-390261-4  | 16       | 0.795               | 0.394 | 0.300 | 52K3278   | 0.19       | 0.18  | 0.14    |
| ● 1-390261-5  | 18       | 0.895               | 0.394 | 0.300 | 52K3279   | 0.28       | 0.19  | 0.17    |
| ● 1-390261-6  | 20       | 0.995               | 0.394 | 0.300 | 52K3280   | 0.31       | 0.22  | 0.19    |
| ● 1-390261-8  | 24       | 1.195               | 0.394 | 0.300 | 52K3281   | 0.44       | 0.31  | 0.27    |
| ● 1-390262-1  | 24       | 1.195               | 0.694 | 0.600 | 79K2013   | 0.21       | 0.18  | 0.18    |
| ● 1-390262-2  | 28       | 1.395               | 0.694 | 0.600 | 52K3283   | 0.43       | 0.33  | 0.29    |
| ● 1-390262-5  | 40       | 1.995               | 0.694 | 0.600 | 52K3284   | 0.41       | 0.38  | 0.30    |

#### LADDER FRAME STRAIGHT SOLDER TAIL SOCKET — BERYLLIUM COPPER/GOLD PLATING

|               |    |       |       |       |         |      |      |      |
|---------------|----|-------|-------|-------|---------|------|------|------|
| ● 1-1825094-3 | 14 | 0.695 | 0.394 | 0.300 | 52K3255 | 1.37 | 1.27 | 1.21 |
| ● 1-1825094-4 | 16 | 0.795 | 0.394 | 0.300 | 52K3256 | 2.04 | 1.74 | 1.50 |
| 2-641600-2    | 16 | 0.795 | 0.394 | 0.300 | 29C5845 | ---  | ---  | ---  |
| 2-641605-2    | 28 | 1.395 | 0.694 | 0.600 | 84F1119 | 3.32 | 2.79 | 2.33 |
| 2-641606-2    | 40 | 1.995 | 0.694 | 0.600 | 92F8491 | ---  | ---  | ---  |
| ● 1-1825109-3 | 40 | 1.995 | 0.694 | 0.600 | 52K3258 | 4.12 | 3.39 | 2.83 |

#### LADDER FRAME STRAIGHT SOLDER TAIL SOCKET — PHOSPHOR BRONZE/TIN PLATING

|              |    |       |       |       |         |      |      |      |
|--------------|----|-------|-------|-------|---------|------|------|------|
| ● 2-382465-3 | 20 | 0.995 | 0.394 | 0.300 | 12H3750 | 0.72 | 0.61 | 0.54 |
| ● 2-382467-3 | 28 | 1.395 | 0.694 | 0.600 | 12H3751 | 0.84 | 0.74 | 0.72 |
| ● 2-382470-3 | 32 | 1.595 | 0.694 | 0.600 | 05C0431 | 1.37 | 1.09 | 0.95 |

#### LADDER FRAME STRAIGHT SOLDER TAIL SOCKET — PHOSPHOR BRONZE/GOLD PLATING

|             |    |       |       |       |         |      |      |      |
|-------------|----|-------|-------|-------|---------|------|------|------|
| 2-641600-4  | 16 | 0.795 | 0.394 | 0.300 | 94C4295 | ---  | ---  | ---  |
| 2-641602-4  | 20 | 0.995 | 0.394 | 0.300 | 06H1924 | 1.51 | 1.23 | 1.06 |
| ● 1825094-6 | 20 | 0.995 | 0.394 | 0.300 | 21R9595 | 1.54 | 1.21 | 1.04 |
| 2-641932-4  | 24 | 1.195 | 0.694 | 0.600 | 84F1115 | 2.29 | 1.86 | 1.61 |
| ● 1825094-7 | 24 | 1.195 | 0.694 | 0.600 | 21R9596 | 1.68 | 1.43 | 1.35 |
| 2-641605-4  | 28 | 1.395 | 0.694 | 0.600 | 84F1120 | 2.34 | 1.91 | 1.65 |
| ● 1825109-2 | 28 | 1.395 | 0.694 | 0.600 | 21R9599 | 2.61 | 2.12 | 1.83 |

▶ CONTINUED ▶





## SOCKETS – DIP/SIP

### AMP 500 SERIES MACHINED CONTACT SOLID INSULATOR DIP SOCKETS (CONT.)

PC TERMINATION GOLD CONTACT AND TIN/LEAD SLEEVE

| Mfg. Part No.  | Contacts | Spacing        | Stock No. | Price Each |       |
|----------------|----------|----------------|-----------|------------|-------|
|                |          |                |           | 1-99       | 10-99 |
| ● 508-AG11D-LF | 8        | 0.300" (7.62)  | 03M2482   | 2.35       |       |
| ● 2-1571550-3  | 14       |                | 52K3452   | 3.65       |       |
| ● 2-1571550-4  | 16       |                | 87K2028   | 2.20       |       |
| ● 518-AG11D-LF | 18       |                | 16M3189   | 3.88       |       |
| ● 520-AG11D-LF | 20       | 0.600" (15.24) | 16M3190   | 6.48       |       |
| ● 524-AG11D-LF | 24       |                | 16M3252   | 4.94       |       |
| ● 528-AG11D-LF | 28       |                | 84K8074   | 4.78       |       |
| ● 532-AG11D-LF | 32       |                | 16M4000   | 4.84       |       |
| ● 3-1571550-2  | 40       |                | 80K9201   | 8.03       |       |
|                |          |                |           |            |       |

PC TERMINATION TIN/LEAD CONTACT AND SLEEVE

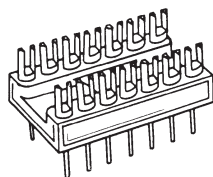
| Mfg. Part No.  | Contacts | Spacing       | Stock No. | Price Each |       |
|----------------|----------|---------------|-----------|------------|-------|
|                |          |               |           | 1-99       | 10-99 |
| ● 506-AG12D-LF | 6        | 0.300" (7.62) | 02M8666   | 1.03       |       |
| ● 508-AG12D-LF | 8        |               | 16M3181   | 2.05       |       |
| ● 514-AG12D-LF | 14       |               | 16M3188   | 3.40       |       |

(4790)

### AMP 600 SERIES PLUG ADAPTER ASSEMBLIES



- Machined-Pin Molded Adapter
- Gold-Plated 0.018" (0.457) Diameter Pins
- Machined Printed Circuit and Mounting Terminals
- Thermoplastic Polyester Insulator, Rated UL 94V-0



Used to assemble hybrid and special network circuits, and to interpose discrete components. Type number indicates pin style: **A** = round; **C, D** = slotted.

0.300" (7.62) ROW SPACING

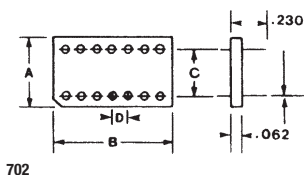
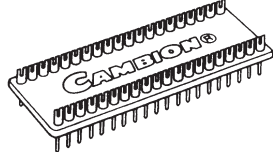
| Mfg. Part No. | Contacts | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-24       | 10-99 |
| ● 614-AG1     | 14       | 14F2935   | 10.45      |       |
| ● 614-CG1     | 14       | 14F2937   | 9.22       |       |
| ● 614-DG5     | 14       | 14F2945   | 17.52      |       |
| ● 616-AG1     | 16       | 14F2938   | 10.80      |       |
| ● 616-CG1     | 16       | 14F2940   | 9.82       |       |
| ● 616-DG5     | 16       | 14F2946   | 8.61       |       |
| ● 620-CG1     | 20       | 50F1671   | 15.79      |       |

UNIVERSAL 0.600" (15.24) ROW SPACING

|           |    |         |       |  |
|-----------|----|---------|-------|--|
| ● 616-CG3 | 16 | 56F1246 | 13.08 |  |
|-----------|----|---------|-------|--|

(4751)

### 702 SERIES COMPONENT TO FLAT PIN SOCKET ADAPTERS



Plug into standard IC sockets. Terminals are phosphor bronze and plated with 10μ" gold. Board material: 0.062" type FR4 fiber board. Other pin counts/configurations and plating available; go online or call.

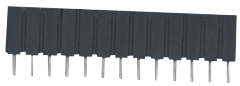
| Mfg. Part No.       | Contacts | Dimensions |        |        |        | Stock No. | Price Each |       |
|---------------------|----------|------------|--------|--------|--------|-----------|------------|-------|
|                     |          | A          | B      | C      | D      |           | 1-99       | 10-99 |
| ● 702-3725-01-03-00 | 14       | 0.450"     | 0.750" | 0.300" | 0.100" | 13F3186   | 12.53      |       |
| ● 702-3728-01-03-00 | 16       | 0.450"     | 0.850" | 0.300" | 0.100" | 13F3188   | ---        |       |

(4718)

### SINGLE-ROW SOLDER-TAIL STRIP SOCKETS



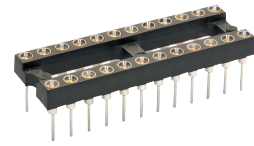
Single-row strip sockets have 0.020" diameter solder-tail pin receptacles spaced at 0.100". Four-finger inner clip and precision-machined brass receptacle shells. The body is rated UL94V-0. Current rating: 3 amps. RoHS plating: sleeve, 200μ" tin; contact, 30μ" gold. Non-RoHS plating: sleeve, 200μ" tin/lead, contact, 30μ" gold.



| Mfg. Part No.          | Contacts | Length | Stock No. | Price Each |       |
|------------------------|----------|--------|-----------|------------|-------|
|                        |          |        |           | 1-9        | 10-99 |
| 310-93-164-41-001000   | 64       | 6.40"  | 66F9246   | 8.83       | 7.97  |
| ● 310-43-164-41-001000 | 64       | 6.40"  | 04M2491   | 8.83       | 7.97  |

(4732)

### LONG SOLDER TAIL SOCKETS FOR MULTILAYER PCB'S - OPEN FRAME



- Open frame DIP socket
- Current rating: 3A
- Above PC board height .165"
- High reliable 4 finger contact

DIP sockets with increased solder tail length of 0.170", allowing application on multilayer PCBs up to 0.139" thickness. PLATING: SLEEVE, 200μ" TIN; CONTACT, 30μ" GOLD

| Mfg. Part No.          | Contacts | Dimensions (in.) |             | Stock No. | Price Each |       |
|------------------------|----------|------------------|-------------|-----------|------------|-------|
|                        |          | Length           | Row Spacing |           | 1-9        | 10-99 |
| ● 111-43-308-41-001000 | 8        | 0.4              | 0.3         | 04M0645   | 1.68       | 1.17  |
| ● 111-43-314-41-001000 | 14       | 0.7              | 0.3         | 04M0647   | 2.70       | 1.87  |
| ● 111-43-316-41-001000 | 16       | 0.8              | 0.3         | 04M0648   | 3.08       | 2.13  |
| ● 111-43-320-41-001000 | 20       | 1.0              | 0.3         | 04M0650   | 3.67       | 2.56  |
| ● 111-43-324-41-001000 | 24       | 1.2              | 0.3         | 04M0652   | 2.84       | 2.54  |
| ● 111-43-624-41-001000 | 24       | 1.2              | 0.6         | 04M0659   | 2.84       | 2.54  |
| ● 111-43-628-41-001000 | 28       | 1.4              | 0.6         | 04M0660   | 5.08       | 3.53  |
| ● 111-43-640-41-001000 | 40       | 2.0              | 0.6         | 04M0663   | 7.21       | 5.01  |

(115449)

### SOLDER TAIL DIP SOCKETS - CLOSED FRAME



- Closed frame DIP socket
- Current rating: 3A
- Above PC board height .165"
- High reliable 4 finger contact

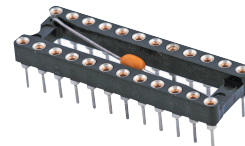
Closed frame insulator withstands high mechanical impact. Low profile.

PLATING: SLEEVE, 200μ" TIN; CONTACT, 30μ" GOLD

| Mfg. Part No.          | Contacts | Dimensions (in.) |             | Stock No. | Price Each |       |
|------------------------|----------|------------------|-------------|-----------|------------|-------|
|                        |          | Length           | Row Spacing |           | 1-9        | 10-99 |
| ● 210-43-308-41-001000 | 8        | 0.4              | 0.3         | 04M1727   | 1.25       | 0.88  |
| ● 210-43-314-41-001000 | 14       | 0.7              | 0.3         | 04M1729   | 2.19       | 1.53  |
| ● 210-43-316-41-001000 | 16       | 0.8              | 0.3         | 04M1730   | 2.50       | 1.74  |
| ● 210-43-324-41-001000 | 24       | 1.2              | 0.3         | 04M1734   | 2.51       | 2.25  |
| ● 210-43-624-41-001000 | 24       | 1.2              | 0.6         | 04M1737   | 2.13       | 1.91  |
| ● 210-43-628-41-001000 | 28       | 1.4              | 0.6         | 04M1738   | 4.38       | 3.05  |
| ● 210-43-632-41-001000 | 32       | 1.6              | 0.6         | 04M1739   | 2.96       | 2.65  |
| ● 210-43-640-41-001000 | 40       | 2.0              | 0.6         | 04M1741   | 6.25       | 4.36  |

(115454)

### DIP SOCKETS WITH INTEGRAL DECOUPLING CAPACITORS

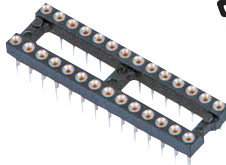


Low-profile DIP sockets feature an integral decoupling capacitor; 0.1μF, 20%-50V multi-layer ceramic epoxy encapsulated. Hi-rel. 4-finger clip. Contacts plated with 30μ" gold, 200μ" tin plating on sleeve. Temperature range: -25°C to +85°C. For product dimensions please visit us online.

| Mfg. Part No.          | Contacts | Dimensions L x W | Stock No. | Price Each |       |
|------------------------|----------|------------------|-----------|------------|-------|
|                        |          |                  |           | 1-9        | 10-99 |
| 110-93-314-41-801000   | 14       | 0.7" x 0.4"      | 17C2303   | 5.68       |       |
| ● 110-43-314-41-801000 | 14       | 0.7" x 0.4"      | 87K7522   | 6.04       |       |
| 110-93-316-41-801000   | 16       | 0.8" x 0.4"      | 17C2307   | 5.97       |       |
| ● 110-43-316-41-801000 | 16       | 0.8" x 0.4"      | 87K7523   | 6.87       |       |
| 110-93-318-41-801000   | 18       | 0.9" x 0.4"      | 17C2311   | 7.02       |       |
| 110-93-320-41-801000   | 20       | 1.0" x 0.4"      | 17C2315   | 6.56       |       |
| ● 110-43-320-41-801000 | 20       | 1.0" x 0.4"      | 87K7525   | 4.32       |       |
| 110-93-324-41-801000   | 24       | 1.2" x 0.4"      | 17C2322   | 4.75       |       |
| ● 110-43-324-41-801000 | 24       | 1.2" x 0.4"      | 87K7527   | 4.90       |       |
| 110-93-628-41-801000   | 28       | 1.4" x 0.7"      | 17C2344   | 5.41       |       |

(53070)

**LOW-PROFILE  
DIP SOCKETS**



- Current rating: 3A
- Open frame, solder tail
- Accepts: .015-.025" dia. pins
- Hi-reliable 4-finger contacts

PLATING: SLEEVE, 10µ" GOLD; CONTACT, 30µ" GOLD

| Mfg. Part No.          | Contacts | Dimensions<br>L x W (In.) | Stock No. | Price Each |       |
|------------------------|----------|---------------------------|-----------|------------|-------|
|                        |          |                           |           | 1-9        | 10-99 |
| ● 110-13-308-41-001000 | 8        | 0.4 x 0.4                 | 17C2222   | 1.80       | 1.25  |
| ● 110-13-314-41-001000 | 14       | 0.7 x 0.4                 | 17C2226   | 3.15       | 2.18  |
| ● 110-13-316-41-001000 | 16       | 0.8 x 0.4                 | 17C2229   | 3.59       | 2.49  |
| ● 110-13-318-41-001000 | 18       | 0.9 x 0.4                 | 17C2231   | 4.04       | 2.80  |
| ● 110-13-320-41-001000 | 20       | 1.0 x 0.4                 | 17C2233   | 4.49       | 3.11  |
| ● 110-13-324-41-001000 | 24       | 1.2 x 0.4                 | 17C2237   | 2.31       | 2.05  |
| ● 110-13-624-41-001000 | 24       | 1.2 x 0.7                 | 23K7809   | 3.00       | 2.68  |
| ● 110-13-628-41-001000 | 28       | 1.4 x 0.7                 | 53H8348   | 6.29       | 4.36  |
| ● 110-13-640-41-001000 | 40       | 2.0 x 0.7                 | 23K7812   | 8.97       | 6.22  |

PLATING: SLEEVE, 200µ" TIN-LEAD; CONTACT, 200µ" TIN-LEAD

| Mfg. Part No.        | Contacts | Dimensions<br>L x W (In.) | Stock No. | Price Each |       |
|----------------------|----------|---------------------------|-----------|------------|-------|
|                      |          |                           |           | 1-9        | 10-99 |
| 110-99-308-41-001000 | 8        | 0.4 x 0.4                 | 17C2371   | 0.64       | 0.45  |
| 110-99-314-41-001000 | 14       | 0.7 x 0.4                 | 17C2373   | 1.12       | 0.78  |
| 110-99-316-41-001000 | 16       | 0.8 x 0.4                 | 17C2374   | 1.29       | 0.89  |
| 110-99-320-41-001000 | 20       | 1.0 x 0.4                 | 17C2375   | 1.60       | 1.11  |
| 110-99-324-41-001000 | 24       | 1.2 x 0.4                 | 17C2376   | 1.92       | 1.33  |
| 110-99-628-41-001000 | 28       | 1.4 x 0.7                 | 17C2384   | 2.24       | 1.56  |
| 110-99-640-41-001000 | 40       | 2.0 x 0.7                 | 17C2387   | 1.37       | 1.20  |

PLATING: SLEEVE, 200µ" TIN; CONTACT, 200µ" TIN

|                        |    |           |         |      |      |
|------------------------|----|-----------|---------|------|------|
| ● 110-44-308-41-001000 | 8  | 0.4 x 0.4 | 04M0615 | 0.64 | 0.45 |
| ● 110-44-314-41-001000 | 14 | 0.7 x 0.4 | 04M0617 | 1.12 | 0.78 |
| ● 110-44-316-41-001000 | 16 | 0.8 x 0.4 | 04M0618 | 1.29 | 0.89 |
| ● 110-44-320-41-001000 | 20 | 1.0 x 0.4 | 04M0620 | 1.60 | 1.11 |
| ● 110-44-324-41-001000 | 24 | 1.2 x 0.4 | 04M0622 | 1.26 | 1.13 |
| ● 110-44-628-41-001000 | 28 | 1.4 x 0.7 | 04M0630 | 2.24 | 1.56 |
| ● 110-44-640-41-001000 | 40 | 2.0 x 0.7 | 04M0633 | 3.19 | 2.22 |

PLATING: SLEEVE, 200µ" TIN-LEAD; CONTACT, 30µ" GOLD

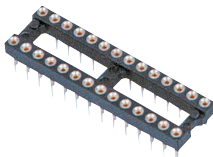
|                      |    |           |         |      |      |
|----------------------|----|-----------|---------|------|------|
| 110-93-308-41-001000 | 8  | 0.4 x 0.4 | 17C2295 | 1.11 | 0.77 |
| 110-93-314-41-001000 | 14 | 0.7 x 0.4 | 17C2301 | 1.93 | 1.34 |
| 110-93-316-41-001000 | 16 | 0.8 x 0.4 | 17C2305 | 2.21 | 1.53 |
| 110-93-318-41-001000 | 18 | 0.9 x 0.4 | 17C2308 | 2.49 | 1.73 |
| 110-93-320-41-001000 | 20 | 1.0 x 0.4 | 17C2312 | 2.76 | 1.92 |
| 110-93-324-41-001000 | 24 | 1.2 x 0.4 | 17C2319 | 3.31 | 2.30 |
| 110-93-632-41-001000 | 32 | 1.6 x 0.7 | 17C2345 | 2.57 | 2.29 |
| 110-93-640-41-001000 | 40 | 2.0 x 0.7 | 17C2351 | 5.52 | 3.83 |

PLATING: SLEEVE, 200µ" TIN; CONTACT, 30µ" GOLD

|                        |    |           |         |      |      |
|------------------------|----|-----------|---------|------|------|
| ● 110-43-308-41-001000 | 8  | 0.4 x 0.4 | 04M0550 | 1.34 | 0.93 |
| ● 110-43-314-41-001000 | 14 | 0.7 x 0.4 | 04M0555 | 1.93 | 1.34 |
| ● 110-43-316-41-001000 | 16 | 0.8 x 0.4 | 37K7250 | 2.21 | 1.53 |
| ● 110-43-318-41-001000 | 18 | 0.9 x 0.4 | 04M0560 | 2.49 | 1.73 |
| ● 110-43-320-41-001000 | 20 | 1.0 x 0.4 | 04M0563 | 2.76 | 1.92 |
| ● 110-43-324-41-001000 | 24 | 1.2 x 0.4 | 04M0568 | 3.31 | 2.30 |
| ● 110-43-628-41-001000 | 28 | 1.4 x 0.7 | 04M0586 | 3.87 | 2.68 |
| ● 110-43-632-41-001000 | 32 | 1.6 x 0.7 | 04M0589 | 2.57 | 2.29 |
| ● 110-43-640-41-001000 | 40 | 2.0 x 0.7 | 04M0594 | 5.52 | 3.83 |

(4791)

**VERY LOW-PROFILE  
DIP SOCKETS**



- Open frame DIP socket
- Current rating: 3A
- Above PC board height .122"
- High reliable 4 finger contact

PLATING: SLEEVE, 200µ" TIN-LEAD; CONTACT, 30µ" GOLD

| Mfg. Part No.        | Contacts | Dimensions (in.) |             | Stock No. | Price Each |       |
|----------------------|----------|------------------|-------------|-----------|------------|-------|
|                      |          | Length           | Row Spacing |           | 1-9        | 10-99 |
| 115-93-314-41-001000 | 14       | 0.7              | 0.3         | 17C2574   | 2.27       | 1.57  |
| 115-93-318-41-001000 | 18       | 0.9              | 0.3         | 17C2578   | 1.72       | 1.44  |
| 115-93-328-41-001000 | 28       | 1.4              | 0.3         | 17C2585   | 4.37       | 3.04  |

PLATING: SLEEVE, 200µ" GOLD; CONTACT, 30µ" GOLD

|                        |    |     |     |         |      |      |
|------------------------|----|-----|-----|---------|------|------|
| ● 115-43-314-41-001000 | 14 | 0.7 | 0.3 | 04M0676 | 2.46 | 1.71 |
| ● 115-43-316-41-001000 | 16 | 0.8 | 0.3 | 04M0677 | 2.79 | 1.94 |
| ● 115-43-318-41-001000 | 18 | 0.9 | 0.3 | 04M0678 | 2.18 | 1.81 |

▶ CONTINUED ▶

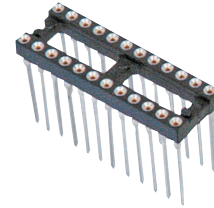
**VERY LOW-PROFILE DIP SOCKETS (CONT.)**

PLATING: SLEEVE, 200µ" GOLD; CONTACT, 30µ" GOLD

| Mfg. Part No.          | Contacts | Dimensions (in.) |             | Stock No. | Price Each |       |
|------------------------|----------|------------------|-------------|-----------|------------|-------|
|                        |          | Length           | Row Spacing |           | 1-9        | 10-99 |
| ● 115-43-320-41-001000 | 20       | 1.0              | 0.3         | 04M0680   | 1.98       | 1.65  |
| ● 115-43-328-41-001000 | 28       | 1.4              | 0.3         | 04M0684   | 4.63       | 3.22  |

(18142)

**THREE-LEVEL WRAPOST  
DIP SOCKETS**



- Current rating: 3A
- Open frame
- Wrap post terminals length = 0.510"
- High reliable 4 finger contact

PLATING: SLEEVE, 200µ" TIN-LEAD; CONTACT, 30µ" GOLD

| Mfg. Part No.        | Contacts | Dimensions (in.) |             | Stock No. | Price Each |       |
|----------------------|----------|------------------|-------------|-----------|------------|-------|
|                      |          | Length           | Row Spacing |           | 1-49       | 50-99 |
| 123-93-308-41-001000 | 8        | 0.4              | 0.3         | 17C3009   | 1.97       | 1.72  |
| 123-93-314-41-001000 | 14       | 0.7              | 0.3         | 17C3011   | 3.27       | 2.84  |
| 123-93-316-41-001000 | 16       | 0.8              | 0.3         | 17C3013   | 3.73       | 3.25  |
| 123-93-320-41-001000 | 20       | 1.0              | 0.3         | 17C3017   | 4.66       | 4.06  |
| 123-93-324-41-001000 | 24       | 1.2              | 0.3         | 17C3021   | 5.74       | 4.99  |

PLATING: SLEEVE, 10µ" GOLD; CONTACT, 30µ" GOLD

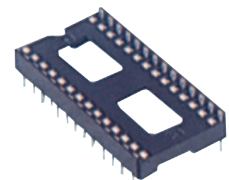
|                        |    |     |     |         |      |      |
|------------------------|----|-----|-----|---------|------|------|
| ● 123-13-308-41-001000 | 8  | 0.4 | 0.3 | 17C2941 | 2.90 | 2.53 |
| ● 123-13-314-41-001000 | 14 | 0.7 | 0.3 | 17C2943 | 4.90 | 4.26 |
| ● 123-13-316-41-001000 | 16 | 0.8 | 0.3 | 17C2945 | 5.59 | 4.87 |
| ● 123-13-320-41-001000 | 20 | 1.0 | 0.3 | 17C2949 | 7.08 | 6.16 |
| ● 123-13-324-41-001000 | 24 | 1.2 | 0.3 | 17C2953 | 6.68 | 6.23 |
| ● 123-13-624-41-001000 | 24 | 1.2 | 0.6 | 17C2962 | 6.10 | 5.68 |
| ● 123-13-628-41-001000 | 28 | 1.4 | 0.6 | 17C2964 | 7.75 | 7.22 |

PLATING: SLEEVE, 200µ" TIN; CONTACT, 30µ" GOLD

|                        |    |     |     |         |      |      |
|------------------------|----|-----|-----|---------|------|------|
| ● 123-43-308-41-001000 | 8  | 0.4 | 0.3 | 87K7537 | 1.69 | 1.57 |
| ● 123-43-314-41-001000 | 14 | 0.7 | 0.3 | 87K7538 | 3.76 | 3.27 |
| ● 123-43-316-41-001000 | 16 | 0.8 | 0.3 | 04M0802 | 4.24 | 3.69 |
| ● 123-43-320-41-001000 | 20 | 1.0 | 0.3 | 04M0805 | 3.64 | 3.39 |

(18144)

**DUAL WIPE  
DIP SOCKETS**



- Low profile
- Dual wiping contact
- Stack end to end or side to side for high board density
- Large target area with tapered lead-in ramps for easy dip insertion
- Phosphor Bronze Contact
- Insulator: P.B.T 30% G.F. polyester, UL recognized
- Plating: Tin-plated over nickel
- High quality turned pin options

**Specifications**

- Contact Rating: 1A
- Contact Resistance: 20 mΩ max.
- Insulation Resistance: 5000 MΩ @ 500 VDC
- Dielectric Withstanding Voltage: 1000 VAC (1 Min)
- Capacitance: 0.5 pF max.
- Dielectric Withstand Voltage: 1,000 Vrms
- Operating Temperature: -45°C to +105°C
- Engaging Force: 340 Grams per contact max.
- Separating Force: 20 Grams per contact max.
- Durability: 50 cycles

0.3" (7.62MM) ROW SPACING (SOLD INDIVIDUALLY)

| Mfg. Part No. | No. of Contacts | Tube Quantity | Stock No. | Price Each |
|---------------|-----------------|---------------|-----------|------------|
|               |                 |               |           | 1-249      |
| 2227-20-03-07 | 20              | 1             | 19J4135   | 0.21       |

0.3" (7.62mm) ROW SPACING (SOLD IN TUBES)

|                    |    |    |         |      |
|--------------------|----|----|---------|------|
| ● MC-2227-08-03-F1 | 8  | 60 | 26M1084 | 4.54 |
| ● MC-2227-14-03-F1 | 14 | 34 | 26M1085 | 3.17 |
| ● MC-2227-16-03-F1 | 16 | 30 | 26M1086 | 2.34 |
| ● MC-2227-18-03-F1 | 18 | 26 | 26M1087 | ---  |
| ● MC-2227-20-03-F1 | 20 | 24 | 26M1088 | 3.36 |
| ● MC-2227-28-03-F1 | 28 | 17 | 24M4370 | 3.17 |

0.6" (15.24mm) ROW SPACING (SOLD INDIVIDUALLY)

|               |    |   |         |      |
|---------------|----|---|---------|------|
| 2227-40-06-05 | 40 | 1 | 19J4141 | 0.46 |
|---------------|----|---|---------|------|

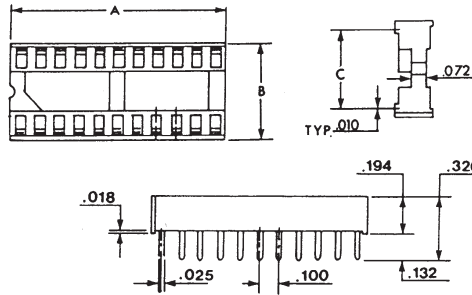
0.6" (15.24mm) ROW SPACING (SOLD IN TUBES)

|                    |    |    |         |      |
|--------------------|----|----|---------|------|
| ● MC-2227-40-06-F1 | 40 | 12 | 24M4373 | 3.36 |
| ● MC-2227-28-06-F1 | 28 | 17 | 24M4371 | 2.47 |

(116633)

SOCKETS – DIP/SIP

LOW-PROFILE DIP SOCKETS

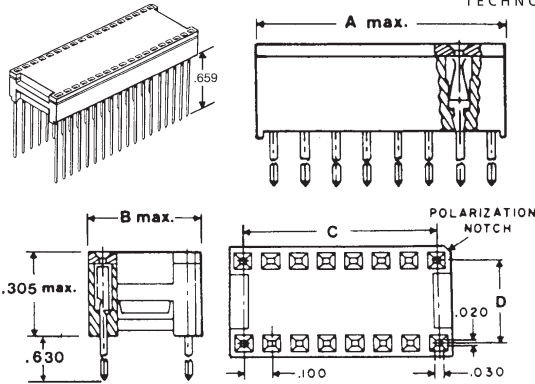


Low-profile DIP sockets feature high reliability contacts with a two-point contacting structure. Phosphor bronze contacts have a tin alloy plating rated at 1A, 250VAC. Contact resistance: 20mΩ maximum. Dielectric withstanding voltage: 500VAC rms for 1 minute. Housing standoff accommodate board cleaning. Sockets can be stacked on 0.100" (2.54) centers end-to-end. Visible polarization. Glass-filled polyester housing, rated UL94V-0. Operating temperature: -55°C to +125°C. Sold in multiples of 5.

| Mfg. Part No. | Contacts | Dimensions |        |        | Stock No. | Price Each |         |
|---------------|----------|------------|--------|--------|-----------|------------|---------|
|               |          | A          | B      | C      |           | 1-99       | 100-249 |
| ● SPC15556    | 6        | 0.300"     | 0.395" | 0.300" | 82K7829   | 0.28       | 0.26    |
| ● SPC15494    | 8        | 0.400"     | 0.395" | 0.300" | 82K7786   | 0.15       | 0.14    |
| ● SPC15496    | 14       | 0.700"     | 0.395" | 0.300" | 82K7787   | 0.19       | 0.18    |
| ● SPC15498    | 16       | 0.800"     | 0.395" | 0.300" | 82K7788   | 0.19       | 0.18    |
| ● SPC15500    | 18       | 0.900"     | 0.395" | 0.300" | 82K7789   | 0.25       | 0.23    |
| ● SPC15501    | 20       | 1.000"     | 0.395" | 0.300" | 82K7790   | 0.25       | 0.23    |
| ● SPC15503    | 24       | 1.200"     | 0.695" | 0.600" | 82K7791   | 0.29       | 0.27    |
| ● SPC15504    | 28       | 1.400"     | 0.695" | 0.600" | 82K7792   | 0.34       | 0.31    |
| ● SPC15505    | 40       | 2.000"     | 0.695" | 0.600" | 82K7793   | 0.48       | 0.44    |
| ● SPC15558    | 48       | 2.400"     | 0.700" | 0.600" | 82K7831   | 0.35       | 0.35    |

(4571)

VOLTREX™ BRAND DIP SOCKETS



SP series standard-profile DIP sockets are available with solder or wire-wrap termination. Closed entry insulator design virtually eliminates contact damage. Sockets have mounting holes for fastening to circuit boards. Twin beam edge wipe contacts provide optimum performance, extended life. Contact material: phosphor bronze. Solder pin dimensions: 0.008" x 0.025" x 0.125" long; solderless pin dimensions: 0.025" square x 0.630" long. Operating temperature range: -65°C to +125°C.

SP SERIES STANDARD-PROFILE IC SOCKETS

| Mfg. Part No. | Con-tacts | Terminals | Contact Plating | Dimensions (inches) |        |       |       | Stock No. | Price Each |       |
|---------------|-----------|-----------|-----------------|---------------------|--------|-------|-------|-----------|------------|-------|
|               |           |           |                 | A Max.              | B Max. | C     | D     |           | 1-49       | 50-99 |
| ● SPC22184    | 14        | Wire-Wrap | Gold            | 0.745               | 0.395  | 0.600 | 0.300 | 26M8147   | 8.20       |       |
| ● SPC22186    | 14        | Solder    | Gold            | 0.745               | 0.395  | 0.600 | 0.300 | 26M8149   | 3.24       |       |
| ● SPC22187    | 14        | Solder    | Tin             | 0.745               | 0.395  | 0.600 | 0.300 | 26M8150   | 1.91       |       |
| ● SPC22188    | 16        | Wire-Wrap | Gold            | 0.845               | 0.395  | 0.700 | 0.300 | 26M8151   | 8.43       |       |
| ● SPC22189    | 16        | Wire-Wrap | Tin             | 0.845               | 0.395  | 0.700 | 0.300 | 26M8152   | 5.49       |       |
| ● SPC22190    | 16        | Solder    | Gold            | 0.845               | 0.395  | 0.700 | 0.300 | 26M8153   | 3.89       |       |

(4585)

MP SERIES LOW-PROFILE MACHINED PIN SOLDER-TAIL SOCKETS



- Glass-Filled Polyester Insulating Body Conforms to UL94V-0

Outer sleeves: brass-over-nickel-over-copper flash. Inner contacts are beryllium copper with gold-over-copper flash, per MIL-G-45204B. Sockets available in tubes for use with automatic insertion equipment. Withstand voltage: 1500V RMS. Working voltage: 10mV to 60V. Operating temperature: -55°C to +125°C. Soldering temperature: 260°C maximum for 5 seconds. Resistance against Freon, Frigen, Akrolone, Alpha-detergent (short treatment only). Able to withstand 1000-cycle insertion.



GOLD SLEEVE PLATING

| Mfg. Part No. | Contacts | Dimensions |        | Stock No. | Price Each |       |
|---------------|----------|------------|--------|-----------|------------|-------|
|               |          | Length     | Width  |           | 1-49       | 50-99 |
| ● SPC15559    | 6        | 0.300"     | 0.400" | 82K7832   | 0.82       | 0.75  |
| ● SPC15511    | 8        | 0.400"     | 0.400" | 82K7799   | 1.08       | 0.99  |
| ● SPC15513    | 14       | 0.700"     | 0.400" | 82K7800   | 1.73       | 1.59  |
| ● SPC15516    | 16       | 0.800"     | 0.400" | 82K7801   | 1.98       | 1.81  |
| ● SPC15518    | 18       | 0.900"     | 0.400" | 82K7802   | 2.22       | 2.04  |
| ● SPC15520    | 20       | 1.000"     | 0.400" | 82K7803   | 2.47       | 2.26  |
| ● SPC15522    | 24       | 1.200"     | 0.700" | 82K7804   | 2.96       | 2.72  |
| ● SPC15523    | 28       | 1.400"     | 0.700" | 82K7805   | 3.45       | 3.17  |
| ● SPC15561    | 32       | 1.600"     | 0.700" | 82K7834   | 3.95       | 3.62  |
| ● SPC15524    | 40       | 2.000"     | 0.700" | 82K7806   | 4.93       | 4.52  |
| ● SPC15534    | 48       | 2.400"     | 0.700" | 82K7815   | 3.33       | 3.33  |

TIN SLEEVE PLATING

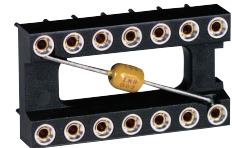
|            |    |        |        |         |      |      |
|------------|----|--------|--------|---------|------|------|
| ● SPC15560 | 6  | 0.300" | 0.400" | 82K7833 | 0.54 | 0.49 |
| ● SPC15525 | 8  | 0.400" | 0.400" | 82K7807 | 0.71 | 0.65 |
| ● SPC15526 | 14 | 0.700" | 0.400" | 82K7808 | 1.24 | 1.15 |
| ● SPC15527 | 16 | 0.800" | 0.400" | 82K7809 | 1.42 | 1.30 |
| ● SPC15528 | 18 | 0.900" | 0.400" | 82K7810 | 1.60 | 1.47 |
| ● SPC15529 | 20 | 1.000" | 0.400" | 82K7811 | 1.78 | 1.63 |
| ● SPC15530 | 24 | 1.200" | 0.700" | 82K7812 | 1.34 | 1.34 |
| ● SPC15531 | 28 | 1.400" | 0.700" | 82K7813 | 2.48 | 2.29 |
| ● SPC15562 | 32 | 1.600" | 0.700" | 82K7835 | 2.84 | 2.60 |
| ● SPC15533 | 40 | 2.000" | 0.700" | 82K7814 | 3.56 | 3.25 |
| ● SPC15536 | 48 | 2.400" | 0.700" | 82K7817 | 4.25 | 3.90 |

(4564)

DIP SOCKETS WITH INTEGRAL DECOUPLING CAPACITOR



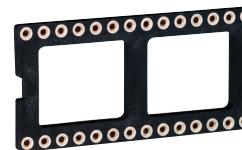
DIP sockets eliminate noise at the source before it can reach the chip—an advantage in high-speed logic and memory applications. Center-to-center pin spacing: 0.100" (2.54). Integral glass-encapsulated ceramic capacitor: 0.1µF 50VDC. Capacitor leads are connected directly to the ground and voltage pin of socket to an interference fit. Insulator body material: glass-filled polyester, rated UL94V-0.



| Mfg. Part No. | Contacts | Dimensions |        | Stock No. | Price Each |       |
|---------------|----------|------------|--------|-----------|------------|-------|
|               |          | Width      | Length |           | 1-49       | 50-99 |
| ● SPC15585    | 14       | 0.400"     | 0.700" | 82K7856   | 3.39       | 3.12  |
| ● SPC15586    | 16       | 0.400"     | 0.800" | 82K7857   | 3.62       | 3.33  |
| ● SPC15587    | 20       | 0.400"     | 1.000" | 82K7858   | 3.95       | 3.63  |
| ● SPC15588    | 24       | 0.700"     | 1.200" | 82K7859   | 2.67       | 2.67  |

(4566)

SUPER-FLAT MACHINED PIN LOW-PROFILE DIP SOCKETS



Open frame design allows better access to printed circuit and improves cooling capacity. Contacts: gold finish **except for mfg. part no. SPC15577**, which is nickel over copper. Outer sleeves: brass-nickel over copper flash finish. Insulator: thermoplastic polyester with 30% glass fiber, self-extinguishing UL 94V-0. Resistance: <10 megohms. Overload voltage: @ 50Hz >1000Vrms. Contact resistance: <10 megohms. Operating temperature: -55°C to +125°C. Mounting height: 0.096" (2.44) above board.

| Mfg. Part No. | Contacts | Dimensions |        | Stock No. | Price Each |       |
|---------------|----------|------------|--------|-----------|------------|-------|
|               |          | Width      | Length |           | 1-49       | 50-99 |
| ● SPC15576    | 8        | 0.400"     | 0.400" | 82K7848   | 2.50       | 2.29  |
| ● SPC15577    | 14       | 0.399"     | 0.700" | 82K7849   | 4.17       | 3.83  |
| ● SPC15578    | 16       | 0.399"     | 0.800" | 82K7850   | 3.23       | 3.23  |
| ● SPC15580    | 18       | 0.399"     | 0.900" | 82K7851   | 3.40       | 3.40  |
| ● SPC15581    | 20       | 0.399"     | 1.000" | 82K7852   | 2.50       | 2.50  |
| ● SPC15582    | 24       | 0.699"     | 1.200" | 82K7853   | ---        | ---   |

➔ CONTINUED ➔



**SUPER-FLAT MACHINED PIN LOW-PROFILE DIP SOCKETS (CONT.)**

| Mfg. Part No. | Contacts | Dimensions |        | Stock No. | Price Each |       |
|---------------|----------|------------|--------|-----------|------------|-------|
|               |          | Width      | Length |           | 1-49       | 50-99 |
| ● SPC15583    | 28       | 0.699"     | 1.400" | 82K7854   | 9.81       | 9.01  |
| ● SPC15584    | 40       | 0.699"     | 2.000" | 82K7855   | 4.87       | 4.87  |

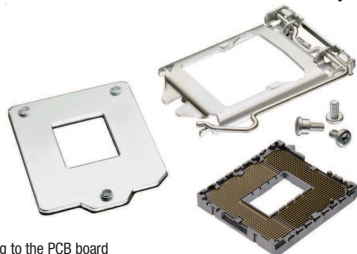
(4572)

**LGA 1156 SOCKETS AND HARDWARE**



**Features**

- Contacts: Gold plated copper alloy
- Base housing: High temp thermoplastic UL94V-0
- Cap: Thermoplastic UL94V-0
- ILM load plate and lever: Stainless steel
- ILM frame, ILM screw and shoulder screw: Steel
- ILM Insulator: Polypropylene
- Backplate assembly: Steel, zinc or nickel plated
- Backplate insulator: Polypropylene
- 1156 contacts with a 0.914mm x 0.914mm grid
- Available with 15 Gold or Gold fl ash contact plating
- Socket housing facilitates efficient soldering to the PCB board
- Socket is supplied with a cap to facilitate vacuum pick and place
- Backplates are available in zinc or nickel plating



Tyco Electronics' surface mount LGA socket was designed for use with Intel's® Core™ i7 LGA 1156 processor. The contacts have solder balls for surface mount onto the PCB, while the top side provides a cantilever beam interface to the package. The integrated lever mechanism (ILM) generates the Z-axis compression load. A robust bolster plate eliminates PCB bowing during compression. The sockets have been validated to Intel Design Guides.

**LGA SOCKET**

| Mfg. Part No. | No. of Positions | Plating    | Stock No. | Price Each |      |
|---------------|------------------|------------|-----------|------------|------|
|               |                  |            |           | 1-24       | 1-99 |
| ● 2040540-1   | 1156             | 15u" Gold  | 58R2940   | 15.61      |      |
| ● 2040540-2   | 1156             | Gold Flash | 58R2941   | 12.37      |      |

**INDEPENDENT LOADING MECHANISM & BACKPLATE KITS**

| Mfg. Part No. | Description   | Stock No. | Price Each |      |
|---------------|---|-----------|------------|------|
|               |   |           | 1-9        | 1-99 |
| ● 2069838-1   | ILM Cover Assembly, Zinc Plated Backplate, 1 Shoulder Screw, & 2 ILM Screws   | 58R2948   | 14.32      |      |
| ● 2069838-3   | Zinc Plated Backplate, 1 Shoulder Screw, & 2 ILM Screws                       | 58R2949   | 8.83       |      |
| ● 2069838-4   | ILM Cover Assembly, Nickel Plated Backplate, 1 Shoulder Screw, & 2 ILM Screws | 58R2950   | 18.05      |      |
| ● 2069838-5   | Nickel Plated Backplate, 1 Shoulder Screw, & 2 ILM Screws                     | 58R2951   | 8.47       |      |

**ACCESSORIES**

| Mfg. Part No. | Description                   | Stock No. | Price Each |      |
|---------------|-------------------------------|-----------|------------|------|
|               |                               |           | 1-9        | 1-99 |
| ● 2013882-1   | ILM Cover Assembly            | 58R2935   | 7.30       |      |
| ● 2013882-2   | ILM Cover Assembly w/Screws   | 58R2936   | 7.58       |      |
| ● 2013883-1   | Backer Plate - Zinc Plating   | 58R2937   | 5.67       |      |
| ● 2013883-2   | Backer Plate - Nickel Plating | 58R2938   | 6.12       |      |
| ● 2013884-1   | Shoulder Screw                | 58R2939   | 0.55       |      |
| ● 2040979-1   | ILM Screw                     | 58R2947   | 0.06       |      |

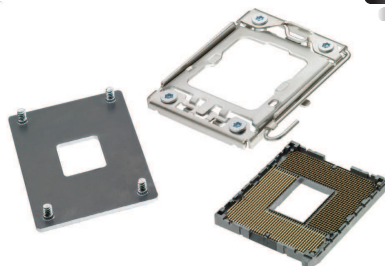
(164510)

**LGA 1366 SOCKETS AND HARDWARE**



**Features**

- Contacts: Gold plated copper alloy
- Base housing: Thermoplastic UL94V-0
- Cap: Thermoplastic UL94V-0
- ILM load plate and lever: Stainless steel
- ILM frame, nut and collar: Steel
- Backplate assembly: Steel
- Insulator: Polypropylene
- 1366 contacts with a 1.016mm x 1.016mm grid
- Socket housing facilitates efficient soldering to the PCB board
- Socket is supplied with a cap to facilitate vacuum pick and place



Tyco Electronics' surface mount LGA socket was designed for use with Intel's® Core™ i7 LGA 1366 processor. The contacts have .64mm diameter solder balls for surface mount onto the PCB, while the top side provides a cantilever beam interface to the package. The integrated lever mechanism (ILM) generates the Z-axis compression load. A robust bolster plate helps eliminate PCB bowing during compression. The sockets are validated to Intel Design Guides.

➔ CONTINUED ➔

**LGA 1366 SOCKETS AND HARDWARE (CONT.)**

**LGA SOCKET**

| Mfg. Part No. | No. of Positions | Plating   | Stock No. | Price Each |      |
|---------------|------------------|-----------|-----------|------------|------|
|               |                  |           |           | 1-24       | 1-99 |
| ● 1981837-1   | 1366             | 15u" Gold | 51R0444   | 18.87      |      |
| ● 1981837-2   | 1366             | 30u" Gold | 58R2934   | 18.74      |      |
| 1-1981837-2   | 1366             | 30u" Gold | 58R2932   | 19.68      |      |

**INDEPENDENT LOADING MECHANISM & BACKPLATE KITS**

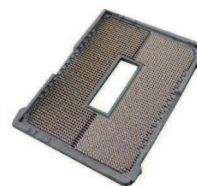
| Mfg. Part No. | Description  | Stock No. | Price Each |      |
|---------------|--|-----------|------------|------|
|               |  |           | 1-9        | 1-99 |
| ● 2040865-1   | U Lever ILM Cover Assembly & Desktop Application Back Plate              | 58R2942   | 21.52      |      |
| ● 2040865-2   | U Lever ILM Cover Assembly & Server Application Back Plate               | 58R2943   | 21.81      |      |
| ● 2040865-3   | Straight Lever ILM Cover Assembly & Desktop Application Back Plate       | 58R2944   | 20.98      |      |
| ● 2040865-4   | Straight Lever ILM Cover Assembly & Server Application Back Plate        | 58R2945   | 24.34      |      |
| ● 2040865-9   | Short Straight Lever ILM Cover Assembly & Desktop Application Back Plate | 58R2946   | 16.78      |      |
| ● 1-2040865-0 | Short Straight Lever ILM Cover Assembly & Server Application Back Plate  | 58R2933   | 30.12      |      |

(163819)

**ACCESSORIES**

| Mfg. Part No. | Description                             | Stock No. | Price Each |      |
|---------------|---|-----------|------------|------|
|               |   |           | 1-24       | 1-99 |
| ● 1-1981374-1 | Spare Socket Cap                        | 58R2931   | 1.37       |      |
| ● 1939738-1   | ILM U Lever Cover Assembly              | 51R0441   | 11.15      |      |
| ● 1-1939738-1 | ILM Short Straight Lever Cover Assembly | 58R2929   | 7.99       |      |
| ● 1-1939738-2 | ILM Straight Lever Cover Assembly       | 58R2930   | 9.01       |      |
| ● 1939739-1   | Back Plate for Desktop Applications     | 51R0442   | 8.97       |      |
| ● 1981467-1   | Back Plate for Server Applications      | 51R0443   | 15.26      |      |

**LGA 1944 SOCKET AND INDEPENDENT LOADING MECHANISM**



**NEW**

**Features**

- Contacts: Gold plated copper alloy
- Base housing: LCP liquid crystal polymer resin
- Cap: Thermoplastic
- ILM frame and lever: Stainless steel
- Replaces Socket F LGA 1207

Tyco Electronics' surface mount LGA socket was designed for use with next generation AMD Socket G34 server CPU's

**LGA SOCKET**

| Mfg. Part No. | No. of Positions | Plating   | Stock No. | Price Each |      |
|---------------|------------------|-----------|-----------|------------|------|
|               |                  |           |           | 1-24       | 1-99 |
| ● 2069189-1   | 1944             | 30u" Gold | 24T5873   | 62.97      |      |

**INDEPENDENT LOADING MECHANISM**

| Mfg. Part No. | Description                       | Stock No. | Price Each |        |
|---------------|-----------------------------------|-----------|------------|--------|
|               |                                   |           | 1-4999     | 1-9999 |
| ● 2069190-1   | Straight Lever ILM Cover Assembly | 52R3411   | 13.86      |        |

(195377)

**PGA SOCKETS FOR RPGA989 PROCESSORS**



**NEW**

- 989 positions on a 1.0 mm x 1.0 mm grid
- Simple cam screw actuation
- Solder balls facilitate surface mount to PCB
- Meets Intel® validation
- Insulation Resistance : 800 megohms min at 500 VDC
- Temperature rating : Continuous 0 to 85°C, Operating -25 to 100°C
- Durability : 30 cycles
- Cam operation torque to mate/unmate package: 0.57N-m max.
- Contact : Gold plated copper alloy
- Cap, Base and Cover Housings: High Temp Thermoplastic UL94V-0
- Cam, Slide Plate and Base Plate: Stainless Steel
- Solder Ball : Sn/Ag/Cu



Tyco Electronics surface mount rPGA sockets are designed for use with Intel's® Core™ i7 989 mobile processors. The socket is designed for notebook motherboards that require a low profile surface mount interconnect. A simple screw cam is used to secure the package in place. The sockets are validated to Intel's® design guides for high performance and extreme mobile products.

**GRID SPACING (MM [IN]): 1.27 X 1.27 (.050 X .050)**

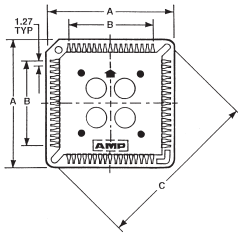
| Mfg. Part No. | Number of Contacts | Stock No. | Price Each |      |
|---------------|--------------------|-----------|------------|------|
|               |                    |           | 1-24       | 1-99 |
| ● 2013620-1   | 989                | 72R3764   | 18.87      |      |

(176064)

SOCKETS – CPU • SOCKETS – MEMORY

AMP 822473 SERIES THRU-HOLE PLCC SOCKETS

- Height Above PC Board: 0.333" (8.45mm)
- Thermoplastic Housing, Flammability Rated UL94V-0
- Phosphor Bronze Contacts
- Contact Mating Area Plating: Tin Lead Over Nickel

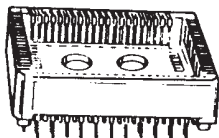


Designed to accept tin-plated PLCC packages conforming to JEDEC standards.

| Mfg. Part No. | No. of Positions | Dimensions (mm) |              |       | Stock No. | Price Each |     |
|---------------|------------------|-----------------|--------------|-------|-----------|------------|-----|
|               |                  | A               | B            | C     |           | 1-24       | 1-9 |
| ● 1-822473-1  | 20               | 15.56           | 5.08         | 17.20 | 56K5488   | 1.70       |     |
| ● 1-822473-2  | 28               | 18.10           | 7.62         | 20.70 | 52K3410   | 1.56       |     |
| ● 1-822473-3  | 32               | 20.54 x 18.10   | 10.16 x 7.62 | 22.65 | 36K3017   | 2.13       |     |
| ● 1-822473-4  | 44               | 23.18           | 12.70        | 27.50 | 28K0075   | 1.50       |     |
| ● 1-822473-5  | 52               | 25.72           | 15.24        | 31.50 | 52K3411   | 2.49       |     |
| ● 1-822473-6  | 68               | 30.80           | 20.32        | 39.00 | 35K5447   | 2.94       |     |
| ● 1-822473-7  | 84               | 35.88           | 25.40        | 46.15 | 52K3412   | 3.05       |     |

(59786)

AMP PCS SERIES PLCC CHIP CARRIER SOCKETS



PCS Series



TX8136-20/84PCS

- 0.100" (2.54) Grid
- Tin-Lead Over Nickel-Plated Phosphor Bronze Contacts
- UL Recognized

Solder tail allows through-hole board patterns. Accepts JEDEC type "A" plastic leaded chip carriers on 0.050" (1.27) centers. High normal force (200 grams minimum) internal standoff assures proper positioning. Order type TX8136-20/84PCS "universal" extraction tool for PLCC sockets separately below.

| Mfg. Part No.   | Contacts | Configuration   | Stock No. | Price Each |      |
|-----------------|----------|-----------------|-----------|------------|------|
|                 |          |                 |           | 1-9        | 1-24 |
| ● 1571539-1     | 20       | 0.395" Square   | 16M2723   | 1.87       |      |
| ● 1571539-2     | 28       | 0.495" x 0.485" | 52K3419   | 2.66       |      |
| ● 1571540-1     | 32       | 0.595" x 0.495" | 52K3420   | 2.01       |      |
| ● PCS-044A-1-LF | 44       | 0.695" Square   | 52K3421   | 3.58       |      |
| ● 1571541-2     | 52       | 0.795" x 0.785" | 52K3422   | 3.01       |      |
| ● 1571541-3     | 68       | 0.995" Square   | 52K3423   | 5.69       |      |
| ● PCS-084A-1-LF | 84       | 1.195" Square   | 02M6267   | 3.87       |      |

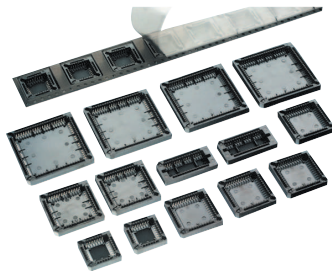
| Mfg. Part No.   | Description                                      | Stock No. | Price Each |      |
|-----------------|--|-----------|------------|------|
|                 |  |           | 1-9        | 1-24 |
| TX8136-20/84PCS | PCS "universal" extraction tool for PLCC sockets | 50F1688   | 179.53     |      |

(4843)

AMP LOW PROFILE, LOW INSERT FORCE SURFACE MOUNT PLCC SOCKETS



- Height Above PC Board: 0.181" (4.60)
- Housing Flammability Rating: UL94V-0
- Phosphor Bronze Contacts



Surface mount PLCC sockets accommodate plastic "J" leaded, tin-plated devices made to JEDEC specifications MS-018 (square packages) and MO-052-AE (rectangular packages). UL recognized, CSA certified. Order tools separately below.

| Mfg. Part No. | Positions | Package | Stock No. | Price Each |     |
|---------------|-----------|---------|-----------|------------|-----|
|               |           |         |           | 1-24       | 1-9 |
| ● 822516-3    | 20        | Square  | 16M3450   | 1.18       |     |
| ● 3-822516-3* | 20        | Square  | 42K6878   | 0.95       |     |
| ● 822516-2    | 28        | Square  | 16M3449   | 0.94       |     |
| ● 3-822516-2* | 28        | Square  | 42K6877   | 1.08       |     |

➔ CONTINUED ➔

AMP LOW PROFILE, LOW INSERT FORCE SURFACE MOUNT PLCC SOCKETS (CONT.)

| Mfg. Part No. | Positions | Package     | Stock No. | Price Each |     |
|---------------|-----------|-------------|-----------|------------|-----|
|               |           |             |           | 1-24       | 1-9 |
| ● 822516-7    | 32        | Rectangular | 56K5288   | 0.83       |     |
| ● 3-822516-7* | 32        | Rectangular | 80K4715   | 0.74       |     |
| ● 822516-1    | 44        | Square      | 16M3448   | 0.93       |     |
| ● 3-822516-1* | 44        | Square      | 24K3835   | 1.04       |     |
| ● 822516-4    | 52        | Square      | 16M3451   | 1.64       |     |
| ● 822516-5    | 68        | Square      | 16M3452   | 1.85       |     |
| ● 822516-6    | 84        | Square      | 06M3574   | 2.70       |     |

\* Tape Pack

EXTRACTION TOOLS

| Mfr. Part No. | For Positions | For Socket Type | Stock No. | Price Each |      |
|---------------|---------------|-----------------|-----------|------------|------|
|               |               |                 |           | 1-4        | 1-24 |
| ● 821980-1    | 32            | Rectangular     | 50F2287   | 166.30     |      |
| ● 821981-1    | 44            | Square          | 50F2274   | 207.62     |      |
| ● 822026-1    | 68            | Square          | 50F2276   | 119.72     |      |
| ● 822268-1    | 84            | Square          | 92F4862   | ---        |      |

| Mfg. Part No. | Description      | Stock No. | Price Each |     |
|---------------|------------------|-----------|------------|-----|
|               |                  |           | 1-24       | 1-9 |
| ● 822154-1    | All-purpose tool | 95F2998   | 2.62       |     |

(4594)

DDR3 DIMM SOCKETS

NEW



Tyco Electronics DIMM sockets address interconnect requirements across server, communications, and notebook platforms. The product offering is designed around JEDEC industry standards. Sockets are offered with a variety of features designed to meet high speed data applications where peak performance is required. Applications include servers, notebook PCs, and communications equipment. Copper alloy contacts with gold plating on mating area.

MINI DIMM 244 POSITION RIGHT ANGLE SURFACE MOUNT

| Mfg. Part No. | No. of Positions | Color | Plating   | Stock No. | Price Each |     |
|---------------|------------------|-------|-----------|-----------|------------|-----|
|               |                  |       |           |           | 1-24       | 1-9 |
| ● 1735438-2   | 244              | Black | 30u" Gold | 72R3752   | 13.59      |     |

DDR3 DIMM 240 POSITION VERTICAL SURFACE MOUNT

|             |     |         |            |         |      |  |
|-------------|-----|---------|------------|---------|------|--|
| ● 2040727-1 | 240 | Natural | Gold Flash | 72R3765 | 6.64 |  |
| ● 2040727-4 | 240 | Natural | 15u" Gold  | 72R3766 | 8.29 |  |

DDR3 DIMM 204 POSITION RIGHT ANGLE SURFACE MOUNT 4.0 mm HEIGHT

|             |     |       |           |         |      |  |
|-------------|-----|-------|-----------|---------|------|--|
| ● 2013022-1 | 204 | Black | GoldFlash | 72R3760 | 6.65 |  |
| ● 2013022-2 | 204 | Black | 6u" Gold  | 72R3761 | 9.46 |  |

DDR3 DIMM 204 POSITION RIGHT ANGLE SURFACE MOUNT 5.2mm HEIGHT

|             |     |       |            |         |      |  |
|-------------|-----|-------|------------|---------|------|--|
| ● 2013289-1 | 204 | Black | Gold Flash | 72R3762 | 4.95 |  |
| ● 2013289-2 | 204 | Black | 6u" Gold   | 72R3763 | 7.57 |  |

DDR3 DIMM 240 POSITION LOW RESISTANCE VERTICAL THROUGH HOLE

| Mfg. Part No. | No. of Positions | Color   | Plating   | Tail Length (mm) | Stock No. | Price Each |     |
|---------------|------------------|---------|-----------|------------------|-----------|------------|-----|
|               |                  |         |           |                  |           | 1-24       | 1-9 |
| ● 1932000-1   | 240              | Natural | 15u" Gold | 2.67             | 51R0435   | 1.32       |     |
| ● 1932000-2   | 240              | Natural | 15u" Gold | 3.18             | 51R0436   | 1.60       |     |
| ● 1932000-3   | 240              | Natural | 15u" Gold | 4.00             | 51R0437   | 1.60       |     |
| ● 1932000-4   | 240              | Natural | 30u" Gold | 2.67             | 51R0438   | 3.00       |     |
| ● 1932000-5   | 240              | Natural | 30u" Gold | 3.18             | 51R0439   | 3.69       |     |
| ● 1932000-6   | 240              | Natural | 30u" Gold | 4.00             | 51R0440   | 5.27       |     |

DDR3 DIMM 240 POSITION LOW RESISTANCE VERTICAL THROUGH HOLE

|             |     |         |            |      |         |      |  |
|-------------|-----|---------|------------|------|---------|------|--|
| ● 1932031-1 | 240 | Natural | Gold Flash | 2.67 | 72R3755 | 5.38 |  |
| ● 1932031-7 | 240 | Black   | Gold Flash | 2.67 | 72R3757 | 6.65 |  |

(163821)

Your peers value your opinion

Be sure to rate products online by clicking on review links on product detail pages.

(196525)

**0.6mm PITCH DDR SO-DIMM MEMORY SOCKETS**



- 5.2mm connector height
- 3.3mm separation between host board and module
- Polarizing features on housing for proper orientation during placement
- Hold-downs provide additional mechanical strength after soldering

- Housing: Black High-temperature thermoplastic UL94V-0
- Contact Base Metal: Gold plated copper alloy
- SMT Retainer: copper alloy
- Current Rating: 0.5A/contact maximum
- Durability: 25 cycles minimum

Right-angle small outline (SO) surface mount DIMM memory sockets feature dual-row edge contacts at the module interface spaced on 0.6mm pitch. SO-DIMM connectors utilize surface-mount termination to the host PCB.

| Mfg. Part No.   | Positions | Style                 | Stock No. | Price Each |     |
|-----------------|-----------|-----------------------|-----------|------------|-----|
|                 |           |                       |           | 1-24       | 1-9 |
| ● 59354-052FSLF | 200       | Right Angle, Standard | 53K1440   | 5.63       |     |
| ● 59355-052FSLF | 200       | Right Angle, Reverse  | 53K1441   | 2.81       |     |

(134278)

**SIM CARD CONNECTORS**



**S06 AND S10 SERIES MICROSIM CONNECTORS**

Mini SIM connector range designed to meet interconnection requirements of both the full size SIM IC card and plug in MicroSIM cards. Available with 6 (S10) or 8 (S06) contacts. Low profile - 1.5 mm to 2.0 mm above PCB. Easily integrated into telephone handset or terminal device.

| Mfg. Part No.    | Circuits | Packaging   | Stock No. | Price Each |     |
|------------------|----------|-------------|-----------|------------|-----|
|                  |          |             |           | 1-24       | 1-9 |
| ● 7111S1015X01LF | 6        | Tape & Reel | 06M1918   | 1.30       |     |
| ● 7311S0625X01LF | 8        | Tray        | 62K7619   | 1.16       |     |
| ● 7111S0625X01LF | 8        | Tape & Reel | 62K7129   | 1.21       |     |

**S07 SERIES SIM CONNECTORS**

SIM Connector range designed to meet interconnection requirements of both full size IC Chip Card or plug in micro SIM Card. Specially equipped with integrated blade switch normally open for detection of full size IC Chip card. One version equipped with convenient card stop, either 6 or 8 data contacts. Low profile from 0.75 mm to 4.5 mm above the PCB. Meets the requirements for the automotive industry.

| Mfg. Part No.    | Circuits | Description | Packaging | Stock No. | Price Each |     |
|------------------|----------|-------------|-----------|-----------|------------|-----|
|                  |          |             |           |           | 1-24       | 1-9 |
| ● 7311S0725A01LF | 8        | Low Profile | Tray      | 62K7620   | 0.90       |     |
| ● 7312S0725A05LF | 8        | Stand Off   | Tray      | 06M2003   | ---        |     |

**S08 SERIES MINISIM CONNECTORS**

Plug in SIM/SAM connector. Open or full cover, opening up to 120°, with or without spring. Locking of the cover by sliding action. Dedicated to both SIM and SAM applications. Visible SMT contact tails and window cover version allow easy electrical testing of the soldered connector.

| Mfg. Part No.    | Circuits | Spring Loaded | Cover Type | Packaging   | Stock No. | Price Each |     |
|------------------|----------|---------------|------------|-------------|-----------|------------|-----|
|                  |          |               |            |             |           | 1-24       | 1-9 |
| ● 7312S0815X01LF | 6        | Yes           | Windows    | Tray        | 84K6606   | 0.86       |     |
| ● 7312S0815X19LF | 6        | No            | No Windows | Tray        | 62K7627   | 0.97       |     |
| ● 7112S0825X01LF | 8        | Yes           | Windows    | Tape & Reel | 06M1922   | 1.23       |     |
| ● 7312S0825X01LF | 8        | Yes           | Windows    | Tray        | 06M2005   | 1.46       |     |
| ● 7312S0825X19LF | 8        | No            | No Windows | Tray        | 62K7628   | 0.94       |     |

**S16 SERIES SIM CONNECTORS**

This connector is designed to meet interconnection requirements plug in microSIM cards. The S16 series is equipped with 6 contacts, insulator and with or w/o a switch terminal. Features a compact design: only 3.75 mm above board profile. Self cleaning of the contact provided by the motion of the connector cover before locking. Designed for SMT automatic assembly processes. Supplied in tape and reel packaging

| Mfg. Part No.    | Circuits | Pad Width | Packaging   | Stock No. | Price Each |     |
|------------------|----------|-----------|-------------|-----------|------------|-----|
|                  |          |           |             |           | 1-24       | 1-9 |
| ● 7111S1615A01LF | 6        | 1.32 mm   | Tape & Reel | 06M1919   | 1.50       |     |
| ● 7111S1615A02LF | 6        | 2.20 mm   | Tape & Reel | 62K7130   | 1.77       |     |

**S20 SERIES MICROSIM CONNECTORS**

This connector is designed to meet interconnection requirements of plug in micro SIM cards. The S20 series is equipped with 6 contacts, hinge and cover. Compact design: only 2.5 mm above board profile. Reliable and durable locking/latching mechanism. Correct orientation of the SIM card guaranteed by integral polarizing feature. Self cleaning of the contact provided by the motion of the connector cover before locking. Visible SMT contact tails and "open window" cover allow easy electrical testing of the soldered connector. Designed for SMT automatic assembly processes. Supplied in tape and reel packaging.

| Mfg. Part No.    | Circuits | Packaging   | Stock No. | Price Each |     |
|------------------|----------|-------------|-----------|------------|-----|
|                  |          |             |           | 1-24       | 1-9 |
| ● 7111S2015X02LF | 6        | Tape & Reel | 62K7131   | 1.02       |     |

(134279)

**New products added daily**

See the newest products, technologies and suppliers on our website.



(196560)

**1mm DDR3, 0.6mm MINI DIMM DDR3 AND 0.6mm SODIMM SOCKETS**



- Current Rating: 1A
- Voltage Rating: 30V

- Operating Temperature Range: -55°C to 85°C
- Contact Plating: Gold

**1mm DDR3 DIMM SOCKETS, VERTICAL, THROUGH HOLE**

| Mfg. Part No. | Circuits | Entry Angle | PCB Thickness (mm) | Stock No. | Price Each |      |
|---------------|----------|-------------|--------------------|-----------|------------|------|
|               |          |             |                    |           | 1-9        | 1-24 |
| ● 78079-0001  | 240      | Vertical    | 1.57               | 98P0412   | 9.54       |      |
| ● 78315-0001  | 240      | Vertical    | 2.40               | 98P0423   | 8.99       |      |

**0.6mm DDR3 MINI DIMM SOCKETS, RIGHT-ANGLE AND VERTICAL SURFACE MOUNT**

|              |     |          |     |         |       |
|--------------|-----|----------|-----|---------|-------|
| ● 78001-3344 | 244 | 90°      | ... | 98P0409 | 17.63 |
| ● 78035-0301 | 244 | 22.5°    | ... | 98P0410 | 14.38 |
| ● 87782-3003 | 244 | Vertical | ... | 98P0426 | 11.12 |
| ● 87783-0301 | 244 | 22.5°    | ... | 98P0427 | ---   |
| ● 87918-0301 | 244 | 90°      | ... | 98P0429 | 24.31 |

**0.6mm DDR3 SO DIMM SOCKETS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |      |
|---------------|----------|-----------|------------|------|
|               |          |           | 1-9        | 1-24 |
| ● 78308-2230  | 200      | 98P0420   | ---        |      |

(146398)

**SIM CARD CONNECTORS**



- Voltage: 5V
- Current: 10 mA
- Housing: Liquid Crystal Polymer
- Contact: Gold plated Phosphor Bronze
- Temperature Range: -30°C to +85°C

**91228 SERIES SIM SOCKETS WITH CARD HOLDER & PUSH BUTTON EJECTOR**

| Mfg. Part No. | Circuits | Plating                             | Stock No. | Price Each |       |
|---------------|----------|-------------------------------------|-----------|------------|-------|
|               |          |                                     |           | 1-9        | 10-99 |
| ● 91228-3001  | 8        | SIM Card Socket w/Yellow Pushbutton | 47M0547   | ---        | ---   |
| ● 91228-3002  | 8        | SIM Card Socket w/Black Pushbutton  | 07P6371   | ---        | ---   |
| ● 47023-0001  | 8        | SIM Card Socket w/Hinged Cover      | 73K0821   | ---        | ---   |

**94304 SERIES SMARTCARD CONNECTOR**

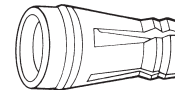
|              |   |                                  |         |     |     |
|--------------|---|----------------------------------|---------|-----|-----|
| ● 94304-0108 | 8 | SmartCard Socket with N.O Switch | 07P6372 | --- | --- |
|--------------|---|----------------------------------|---------|-----|-----|

(136226)

**AMP HOLTITE® SOLDERLESS SOCKETS**



- Zero-Profile Sockets
- Beryllium Copper Contacts
- Board Thickness: 0.030"



Solderless press-fit into the plated through-hole of printed wiring boards. Gold plated 0.000030" per MIL-P-81728 over nickel per QQ-N-290.

| Mfg. Part No.  | Lead Size       | Stock No. | Price Each |     |
|----------------|-----------------|-----------|------------|-----|
|                |                 |           | 1-24       | 1-9 |
| ● 8134-HC-5P2  | 0.016" - 0.021" | 14F2869   | 0.13       |     |
| ● 8134-HC-6P2  | 0.020" - 0.030" | 23C1656   | 0.29       |     |
| ● 8134-HC-8P2  | 0.025" - 0.035" | 14F2871   | 0.33       |     |
| ● 8134-HC-12P2 | 0.035" - 0.045" | 01F8722   | 0.48       |     |

(4723)

**AMP MINIATURE SPRING SOCKETS**



- Copper Contact Sleeve
- Beryllium Copper Spring
- For Mass Production Application
- Hand/Semi-Automatic Insertion Method



**SERIES 1**

| Mfg. Part No. | Pin Dia. Range (mm) | Bottom Design | Spring Finish | Sleeve Finish | Stock No. | Price Each |         |
|---------------|---------------------|---------------|---------------|---------------|-----------|------------|---------|
|               |                     |               |               |               |           | 1-499      | 500-999 |
| ● 50935       | 0.33-0.51           | Closed        | Gold          | Gold Flash    | 52F4518   | 0.57       | 0.47    |
| ● 5050935-2   | 0.33-0.51           | Closed        | Tin           | Tin           | 42K6955   | 0.37       | 0.32    |
| ● 2-330808-8  | 0.33-0.51           | Closed        | Gold          | Gold Flash    | 93F6981   | 0.33       | 0.31    |
| ● 2-5330808-7 | 0.33-0.51           | Closed        | Tin           | Tin           | 16M2847   | 0.37       | 0.31    |
| ● 2-332095-1  | 0.33-0.51           | Closed        | Gold          | Gold Flash    | 33B6592   | 0.50       | 0.47    |
| ● 2-5332095-4 | 0.33-0.51           | Closed        | Gold          | Tin           | 89M4428   | 0.51       | 0.46    |
| ● 5-5330808-6 | 0.33-0.51           | Open          | Gold          | Tin           | 01M6753   | 0.61       | 0.55    |
| ● 3-330808-8  | 0.33-0.51           | Knockout      | Gold          | Gold Flash    | 95F1398   | 0.68       | 0.61    |

**SERIES 2**

|             |           |        |      |      |         |      |      |
|-------------|-----------|--------|------|------|---------|------|------|
| ● 50863-4   | 0.36-0.65 | Closed | Gold | Gold | 33B9497 | 0.57 | 0.52 |
| ● 5050863-5 | 0.36-0.65 | Closed | Gold | Tin  | 05M3445 | 0.51 | 0.46 |

➔ CONTINUED ➔





## SOCKETS – SPRING

### AMP MINIATURE SPRING SOCKETS (CONT.)

#### SERIES 2

| Mfg. Part No. | Pin Dia. Range (mm) | Bottom Design | Spring Finish | Sleeve Finish | Stock No. | Price Each |         |
|---------------|---------------------|---------------|---------------|---------------|-----------|------------|---------|
|               |                     |               |               |               |           | 1-499      | 500-999 |
| ● 5050863-8   | 0.36-0.65           | Closed        | Tin           | Tin           | 42K6948   | 0.38       | 0.35    |
| ● 2-5331272-7 | 0.46-0.53           | Closed        | Gold          | Tin           | 42K8666   | 0.35       | 0.33    |
| ● 2-5331272-5 | 0.46-0.53           | Closed        | Tin           | Tin           | 16M2848   | 0.34       | 0.30    |
| ● 5050462-8   | 0.36-0.66           | Closed        | Gold          | Tin           | 16M3179   | 0.44       | 0.38    |
| ● 50462-6     | 0.36-0.66           | Closed        | Gold          | Gold Flash    | 33B9437   | 0.50       | 0.47    |
| ● 5050462-2   | 0.36-0.66           | Open          | Gold          | Tin           | 28M8816   | 0.34       | 0.35    |
| ● 3-5331272-5 | 0.46-0.53           | Knockout      | Gold          | Tin           | 16M2903   | 0.56       | 0.47    |

#### SERIES 3

|              |           |          |      |      |         |      |      |
|--------------|-----------|----------|------|------|---------|------|------|
| ● 5050864-6  | 0.66-0.84 | Closed   | Tin  | Tin  | 40P9632 | 0.30 | 0.28 |
| ● 2-331677-9 | 0.76-0.84 | Knockout | Gold | Gold | 33B6588 | 0.43 | 0.43 |

#### SERIES 4

|               |           |          |      |            |         |      |      |
|---------------|-----------|----------|------|------------|---------|------|------|
| ● 50865       | 0.86-1.04 | Closed   | Gold | Gold Flash | 88F5362 | 0.60 | 0.59 |
| ● 5050865-1   | 0.86-1.04 | Knockout | Gold | Tin        | 83K8413 | 0.42 | 0.41 |
| ● 5050865-3   | 0.86-1.04 | Open     | Gold | Tin        | 16M3559 | 0.25 | 0.24 |
| ● 5050865-5   | 0.86-1.04 | Closed   | Gold | Tin        | 83K8411 | 0.43 | 0.41 |
| ● 5050865-8   | 0.86-1.04 | Closed   | Tin  | Tin        | 42K6951 | 0.34 | 0.33 |
| ● 1-332070-4  | 0.94-1.02 | Open     | Gold | Gold Flash | 33B3241 | 0.61 | 0.59 |
| ● 2-5332070-9 | 0.94-1.02 | Open     | Gold | Tin        | 42K8667 | 0.38 | 0.38 |

#### SERIES 5

|               |           |        |      |     |         |      |      |
|---------------|-----------|--------|------|-----|---------|------|------|
| ● 5050871-1   | 1.07-1.24 | Open   | Gold | Tin | 42K6952 | 0.54 | 0.47 |
| ● 5050871-5   | 1.07-1.24 | Closed | Gold | Tin | 42K6953 | 0.46 | 0.44 |
| ● 5050871-8   | 1.07-1.24 | Closed | Tin  | Tin | 42K6954 | 0.34 | 0.33 |
| ● 2-5050871-3 | 1.42-1.65 | Closed | Gold | Tin | 42K6812 | 0.39 | 0.36 |

(62078)

### PC BOARD SOCKETS



**HARWIN**



- Compatible with Ø0.50mm, Ø0.80mm, and Ø1.00mm mating pins
- Suitable for a variety of mating pin lengths.
- Gold contacts inside tin shell
- Four finger gold plated beryllium contact
- Proven history in high end industrial and Mil/Aero applications

- Operating temperature: -55°C to +125°C
- Solderability: 235°C for 5 seconds
- Soldering heat resistance: 260°C for 10 seconds
- Durability 0.5mm: 500 operations
- Durability 0.8 and 1.0mm: 1000 operations

#### PC BOARD SOCKETS FOR 0.5mm PINS

| Mfg. Part No. | Contact Depth | Max Pin Length | Mounting Hole (mm) | Mating Pin Size (mm) | Stock No. | Price Each |       |
|---------------|---------------|----------------|--------------------|----------------------|-----------|------------|-------|
|               |               |                |                    |                      |           | 1-49       | 50-99 |
| ● H3153-01    | 2.30 mm       | 3.15 mm        | 1.00/1.10          | 0.46-0.51            | 82H2135   | 0.17       |       |
| ● H3155-01    | 2.30 mm       | 3.15 mm        | 1.00/1.10          | 0.46-0.51            | 55K6309   | 0.32       |       |
| ● H3190-01    | 2.30 mm       | 2.40 mm        | 1.00/1.10          | 0.46-0.51            | 55K6332   | 0.27       |       |
| ● H3191-01    | 2.30 mm       | 4.70 mm        | 1.00/1.10          | 0.46-0.51            | 55K6335   | 0.48       |       |

#### PC BOARD SOCKETS FOR 0.8mm PINS

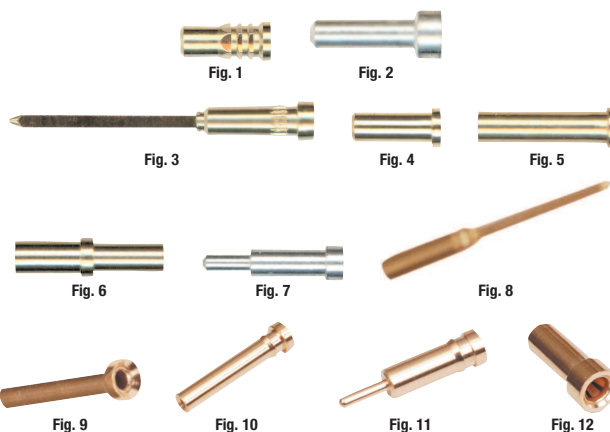
|            |         |         |           |           |         |      |  |
|------------|---------|---------|-----------|-----------|---------|------|--|
| ● H8501-01 | 2.30 mm | 3.15 mm | 1.00/1.10 | 0.46-0.51 | 55K6351 | 0.39 |  |
|------------|---------|---------|-----------|-----------|---------|------|--|

#### PC BOARD SOCKETS FOR 1.00mm PINS

|            |         |         |           |           |         |      |  |
|------------|---------|---------|-----------|-----------|---------|------|--|
| ● H3161-01 | 3.55 mm | 4.60 mm | 1.91/1.96 | 0.90-1.05 | 55K6312 | 0.33 |  |
| ● H3182-01 | 3.55 mm | 4.85 mm | 1.91/2.01 | 0.90-1.05 | 88H2996 | 0.44 |  |
| ● H3183-01 | 3.55 mm | 4.70 mm | 1.91/2.01 | 0.90-1.05 | 26H3483 | 0.43 |  |
| ● H3184-01 | 3.90 mm | 5.29 mm | 2.19/2.24 | 0.90-1.05 | 55K6328 | 0.34 |  |
| ● H3185-01 | 3.55 mm | Open    | 2.19/2.24 | 0.90-1.05 | 55K6330 | 0.46 |  |
| ● H3194-01 | 3.55 mm | 4.50 mm | 2.37/2.47 | 0.90-1.05 | 73J7736 | 1.44 |  |

(113076)

### PIN RECEPTACLES



- Precision machined brass shell
- RoHS compliant shell plating: 10µ" gold over nickel
- Non-RoHS shell plating: 200µ" tin/lead over nickel
- Beryllium copper multi-finger spring contact: 30µ" gold over nickel plated

| Mfg. Part No.             | Fig. | Pin Diameter (in.) | Mtg. Hole (in.) | Length (in.) | Stock No. | Price Each |
|---------------------------|------|--------------------|-----------------|--------------|-----------|------------|
| 0328-0-15-01-34-27-10-0   | 1    | .032-.046          | 0.079           | 0.206        | 21M8859   | 0.28       |
| 0552-1-15-01-11-27-10-0   | 2    | .015-.020          | 0.040           | 0.136        | 20M6729   | 0.16       |
| ● 0552-1-15-15-11-27-10-0 | 2    | .015-.020          | 0.040           | 0.136        | 19C2507   | 0.38       |
| ● 0552-2-15-15-11-27-10-0 | 2    | .015-.020          | 0.040           | 0.170        | 06M6719   | 0.12       |
| 0552-2-15-01-11-27-10-0   | 2    | .015-.020          | 0.040           | 0.170        | 31M8392   | 0.17       |
| 0292-0-15-01-06-27-10-0   | 2    | .022-.032          | 0.071           | 0.250        | 87K6614   | 0.24       |
| ● 0292-0-15-15-06-27-10-0 | 2    | .022-.032          | 0.071           | 0.250        | 84K4627   | 0.80       |
| ● 0039-2-17-15-30-27-02-0 | 3    | .015-.025          | 0.055           | 0.360        | 86C1741   | 1.29       |
| 0555-0-15-01-30-27-10-0   | 4    | .015-.025          | 0.053           | 0.160        | 23K7801   | 0.25       |
| ● 0555-0-15-15-30-27-10-0 | 4    | .015-.025          | 0.053           | 0.160        | 87K7521   | 0.55       |
| 0314-0-15-01-34-27-10-0   | 4    | .032-.046          | 0.087           | 0.236        | 35M5117   | 0.56       |
| 0327-0-15-01-34-27-10-0   | 4    | .032-.046          | 0.075           | 0.206        | 26H5985   | 0.45       |
| ● 0327-0-15-15-34-27-10-0 | 4    | .032-.046          | 0.075           | 0.206        | 86C2226   | 0.64       |
| 0331-0-15-01-18-27-10-0   | 4    | .037-.043          | 0.071           | 0.150        | 98H2181   | 0.41       |
| 0355-0-15-01-02-27-10-0   | 4    | .040-.050          | 0.102           | 0.290        | 07C9234   | 0.30       |
| ● 0355-0-15-15-02-27-10-0 | 4    | .040-.050          | 0.102           | 0.290        | 86C2345   | 0.54       |
| 0364-0-15-01-13-27-10-0   | 4    | .048-.064          | 0.100           | 0.213        | 23M9630   | 0.37       |
| ● 0364-0-15-15-13-27-10-0 | 4    | .048-.064          | 0.100           | 0.213        | 84K4787   | 1.00       |
| 0667-0-15-01-30-27-10-0   | 5    | .015-.025          | 0.057           | 0.161        | 23K7802   | 0.23       |
| ● 0667-0-15-15-30-27-10-0 | 5    | .015-.025          | 0.057           | 0.161        | 31C0958   | 0.34       |
| ● 0677-0-15-15-30-27-10-0 | 5    | .015-.025          | 0.051           | 0.248        | 84K5054   | 0.69       |
| 0295-0-15-01-06-27-10-0   | 5    | .022-.032          | 0.063           | 0.259        | 21M6428   | 0.46       |
| ● 0295-0-15-15-06-27-10-0 | 5    | .022-.032          | 0.063           | 0.259        | 86C2022   | 0.80       |
| ● 0314-0-15-15-34-27-10-0 | 5    | .032-.046          | 0.087           | 0.236        | 06M6717   | 0.82       |
| 0368-0-33-01-13-27-10-0   | 6    | .048-.064          | ...             | 0.530        | 23K7799   | 1.50       |
| ● 0368-0-33-15-13-27-10-0 | 7    | .025-.037          | ...             | 0.530        | 86C2400   | 2.15       |
| ● 0300-1-15-15-47-27-10-0 | 7    | .025-.037          | 0.042           | 0.110        | 87K7520   | 0.78       |
| ● 8210-0-15-15-04-27-04-0 | 8    | .008-.013          | 0.024/0.027     | 0.250        | 82H1581   | 1.37       |
| ● 8579-1-15-15-11-27-10-0 | 9    | .015-.022          | 0.040           | 0.295        | 63H1720   | 0.45       |
| ● 8579-0-15-15-11-27-10-0 | 9    | .015-.022          | 0.040           | 0.234        | 63H1709   | 0.43       |
| ● 0303-0-19-15-16-27-10-0 | 10   | .022-.034          | 0.067           | 0.352        | 18C1748   | 0.50       |
| ● 0405-0-15-15-34-27-04-0 | 11   | .032-.046          | 0.084           | 0.375        | 88F6300   | 0.71       |
| ● 0390-0-15-15-08-27-10-0 | 12   | .084-.102          | 0.144           | 0.465        | 86C2483   | 1.36       |
| ● 0305-0-15-15-47-27-10-0 | ...  | .025-.037          | 0.059           | 0.095        | 27C5734   | 0.71       |
| ● 0305-1-15-15-47-27-10-0 | ...  | .025-.037          | 0.059           | 0.105        | 39C5331   | 0.72       |
| ● 0305-2-15-15-47-27-10-0 | ...  | .025-.037          | 0.059           | 0.155        | 86C2079   | 0.56       |

(4712)

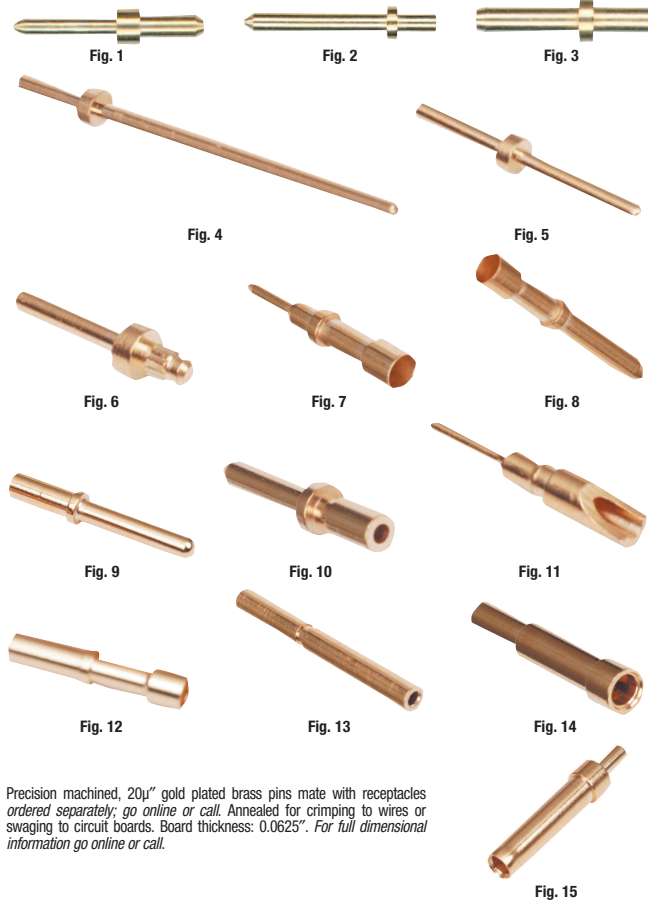
## NEW! Technical support hotline

Call **877.736.4835** to connect directly with our team of engineers or chat live 24/5 online.

(196535)

SOCKETS – SPRING • SOCKETS – COMPONENT • MEMORY CARD CONNECTORS

PRINTED CIRCUIT PINS



Precision machined, 20µ" gold plated brass pins mate with receptacles ordered separately; go online or call. Annealed for crimping to wires or swaging to circuit boards. Board thickness: 0.0625". For full dimensional information go online or call.

PC SWAGE MOUNT PINS

| Mfg. Part No.             | Fig. | Dia.  | Length | Stock No. | Price Each |
|---------------------------|------|-------|--------|-----------|------------|
| ● 3117-2-00-21-00-00-08-0 | 1    | .024" | .291"  | 61H8699   | 0.31       |
| ● 3103-2-00-21-00-00-08-0 | 2    | .040" | .402"  | 87H9360   | 0.21       |
| ● 3222-2-00-21-00-00-08-0 | 3    | .040" | .252"  | 88H3168   | 0.63       |

PC SOLDER MOUNT PINS

|                           |   |       |       |         |      |
|---------------------------|---|-------|-------|---------|------|
| ● 3128-2-00-15-00-00-08-0 | 4 | .020" | .545" | 86C5706 | 0.10 |
| ● 9081-0-00-15-00-00-08-0 | 5 | .020" | .295" | 96B5833 | 0.22 |

PC PRESS FIT MOUNT PINS

|                           |   |       |       |         |      |
|---------------------------|---|-------|-------|---------|------|
| ● 3157-0-00-15-00-00-03-0 | 6 | .018" | .190" | 97F7177 | 0.10 |
| ● 3603-0-07-21-00-00-08-0 | 7 | .040" | .588" | 89K2198 | 1.37 |
| ● 3601-1-07-21-00-00-08-0 | 8 | .080" | .506" | 98M0086 | 0.71 |

18 GAUGE CRIMP BARREL PINS

|                           |   |       |       |         |      |
|---------------------------|---|-------|-------|---------|------|
| ● 0520-0-00-21-00-00-03-0 | 9 | .080" | .740" | 86C2825 | 0.88 |
|---------------------------|---|-------|-------|---------|------|

16 GAUGE CRIMP BARREL PINS

|                           |   |       |       |         |      |
|---------------------------|---|-------|-------|---------|------|
| ● 3609-1-07-21-00-00-08-0 | 9 | .080" | .496" | 86C6324 | 1.57 |
| ● 3609-2-07-21-00-00-08-0 | 9 | .080" | .671" | 86C6329 | 0.96 |
| ● 3609-3-07-21-00-00-08-0 | 9 | .080" | .796" | 86C6334 | 1.05 |

WIRE TERMINATION PIN

|                           |    |       |       |         |      |
|---------------------------|----|-------|-------|---------|------|
| ● 3139-0-00-21-00-00-08-0 | 10 | .049" | .430" | 86C5848 | 0.35 |
|---------------------------|----|-------|-------|---------|------|

WIRE TERMINATION PIN

|                           |    |       |       |         |      |
|---------------------------|----|-------|-------|---------|------|
| ● 0275-0-01-15-00-00-03-0 | 11 | .020" | .491" | 86C1956 | 0.75 |
| ● 8000-0-01-15-00-00-03-0 | 11 | .020" | .417" | 92B4562 | 0.22 |

20 GAUGE CRIMP PIN RECEPTACLES

|                           |    |            |        |         |      |
|---------------------------|----|------------|--------|---------|------|
| ● 0348-0-33-15-34-27-10-0 | 12 | .032-.046" | 1.530" | 64M7341 | 1.67 |
|---------------------------|----|------------|--------|---------|------|

18 GAUGE CRIMP PIN RECEPTACLES

|                           |    |            |       |         |      |
|---------------------------|----|------------|-------|---------|------|
| ● 0306-0-19-15-16-27-10-0 | 13 | .022-.034" | .665" | 86C2084 | 0.85 |
| ● 0370-0-19-15-07-27-10-0 | 14 | .065-.082" | .690" | 86C2405 | 1.50 |

WIRE TERMINATION PIN RECEPTACLES

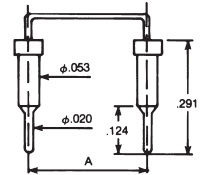
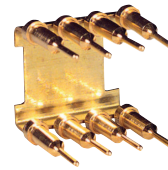
|                           |    |            |       |         |      |
|---------------------------|----|------------|-------|---------|------|
| ● 8730-0-19-15-23-27-10-0 | 15 | .045-.065" | .630" | 86C7058 | 2.04 |
|---------------------------|----|------------|-------|---------|------|

(4713)

SOCKET PIN TERMINALS WITH DISPOSABLE CARRIER ASSEMBLIES



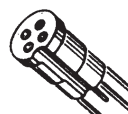
PTCA series pin terminal carrier assembly sockets are based on the very high specific pressure (VHSP) contact system. Heat-treated, four-finger contacts are gold-plated beryllium copper. Drilling low-profile board enables the contacts to be inserted down the shoulder and leaves 0.030" (0.762) maximum profile above board. Closed bottom pin protects from wicking and flux contamination. Meets severe environmental requirements of high shock and vibration. Permits maximum air circulation under ICs and eliminates head entrapment under the insulator. Air-cooled. Throw-away metal carrier eases installation.



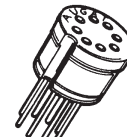
| Mfg. Part No. | Pins | Dimension A | Stock No. | Price Each |       |
|---------------|------|-------------|-----------|------------|-------|
|               |      |             |           | 1-49       | 50-99 |
| ● SPC15506    | 8    | 0.300"      | 82K7794   | 5.12       | 4.74  |
| ● SPC15507    | 14   | 0.300"      | 82K7795   | 4.09       | 4.09  |
| ● SPC15508    | 16   | 0.300"      | 82K7796   | 6.02       | 6.02  |
| ● SPC15509    | 24   | 0.600"      | 82K7797   | 12.33      | 11.42 |
| ● SPC15510    | 40   | 0.600"      | 82K7798   | 18.03      | 16.69 |

(4573)

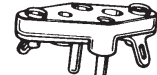
AMP TRANSISTOR AND IC SOCKETS



8060 (Typical)



8058-1G32



8080-1G

8060 series has pin circle diameter of 0.100" (2.54); 8058 series 0.200" (5.08) diameter. Teflon® insulator. Two-piece machine socket terminal: gold plated brass outer sleeve and gold plated beryllium copper contacts. 8080-1G series TO-3 power transistor sockets come with one or two solder lugs. Beryllium copper contacts with electro-tin plating and black phenolic insulator (Ph/ET), or silver plating with green diallyl phthalate insulator (Dp/SL), or 30µ" gold plating and black phenolic insulator (Ph/GL). All have 0.255" diameter, except 8058-1G23, 8058-1G49 and 8058-1G32 which have 0.406" diameter.

8058, 8060 SERIES MINIATURE SOCKETS—PC TERMINALS

| Mfg. Part No. | Contacts | Height | Stock No. | Price Each |       |
|---------------|----------|--------|-----------|------------|-------|
|               |          |        |           | 1-9        | 10-99 |
| ● 8058-1G23   | 3        | 0.290" | 65F1648   | 8.26       |       |
| ● 8058-1G49   | 8        | 0.572" | 50F1730   | 9.53       |       |
| ● 8058-1G32   | 8        | 0.585" | 89F606    | 14.67      |       |
| ● 8060-1G3    | 3        | 0.310" | 65F1868   | 5.05       |       |
| ● 8060-1G4    | 4        | 0.195" | 65F1869   | 7.58       |       |
| ● 8060-1G5    | 3        | 0.350" | 65F1860   | 8.06       |       |
| ● 8060-1G7    | 3        | 0.577" | 65F1866   | 10.33      |       |
| ● 8060-1G11   | 3        | 0.570" | 65F1864   | 7.50       |       |

8080-1G SERIES TO-3 POWER TRANSISTOR SOCKETS

| Mfg. Part No. | Description  | Stock No. | Price Each |       |
|---------------|--------------|-----------|------------|-------|
|               |              |           | 1-9        | 10-99 |
| ● 8080-1G1-LF | Ph/ET/2 Lugs | 16M2700   | 23.79      |       |
| ● 6-1437504-5 | Ph/ET/1 Lug  | 73K4026   | 35.75      |       |
| ● 5-6437504-0 | Ph/GL/2 Lugs | 16M3176   | 14.26      |       |
| ● 8080-1G7    | DP/SL/1 Lug  | 65F1874   | 15.15      |       |

(4742)

N7G24 SERIES FLASH MEMORY HEADERS FOR CFast CARD

NEW



- Mate with both CFast™ Type I and Type II cards
- Meets CFA CFast™ specification Rev 1.0
- Extended guide rails enable accurate and easy card insertion
- Single row surface mount solder tails facilitate auto placement and IR soldering
- 2mm standoff available for component clearance underneath header
- Extended guide rails with grounding clips
- Tested to 10,000 mating cycles
- Right or left hand dual-push ejectors or latching retainer available



Header, Latching Retainer, Right Ejector

N7G24 series 3M™ header for the new CFast™ high-performance serial flash memory cards is a 7+17-pin connector consisting of a SATA-compatible 7-pin signal connector and a 17-pin power and control connector. Features extended guide rails to reduce the possibility of misalignment during card installations, and grounding clips that provide additional

► CONTINUED ►

MEMORY CARD CONNECTORS

N7G24 SERIES FLASH MEMORY HEADERS FOR CFAST CARD (CONT.)

retention force to the card, helping reduce the possibility of uncontrolled card removal from the connector when ejected. The single-row, surface mount co-planar tails allow for higher yields and simplified inspection. The header is offered in a low profile configuration, or with 2mm standoffs that allow the designer to populate the board underneath an inserted card. Choice of two styles of dual-push ejector as well as a latching retainer that clips onto the header and provides a wire latch for robust retention, ideal for critical applications or applications subject to vibration and shock.

HEADER — 1.27MM PITCH

N7G24 series 3M™ header housing is constructed of high-temperature thermoplastic, beige, flammability rated UL 94V-0. Copper alloy contacts are gold plated on mating end, matte tin on solder tail with a nickel underplated all over. Current rating: 1.5 A per pin. Recommended PCB thickness: 0.066" (1.65mm). Total arm length: 1.545" (39.23mm); overall width: 1.91" (48.5mm). Operating temperature rating: -40°C to 85°C.

| Mfg. Part No.        | Contact Plating | Standoff | Stock No. | Price Each |       |
|----------------------|-----------------|----------|-----------|------------|-------|
|                      |                 |          |           | 1-24       | 25-99 |
| N7G24-A0B2-RA-00-OHT | 15µ" Gold       | None     | 80R8504   | 6.53       |       |
| N7G24-A0B2-RA-10-OHT | 15µ" Gold       | 2mm      | 80R8505   | 5.26       |       |
| N7G24-A0B2-RB-00-OHT | 30µ" Gold       | None     | 80R8506   | 5.50       |       |
| N7G24-A0B2RB-10-OHT  | 30µ" Gold       | 2mm      | 85R6086   | 7.56       |       |

ACCESSORIES

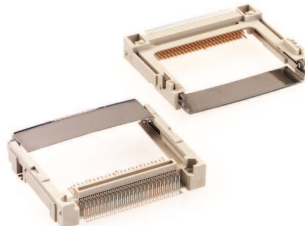
| Mfg. Part No. | Description                  | Stock No. | Price Each |       |
|---------------|------------------------------|-----------|------------|-------|
|               |                              |           | 1-24       | 25-99 |
| 7G24-B5A6-05  | Right Dual Push Card Ejector | 80R9090   | 1.20       |       |
| 7G24-B6A6-05  | Left Dual Push Card Ejector  | 80R9091   | 1.20       |       |
| 7E50-C016-00  | Latching Retainer            | 85R6087   | 2.68       |       |

(190010)

COMPACTFLASH™ CARD HEADER



- Compatible with both CompactFlash™ Type I and Type II cards
- Meets CFA standards
- Polarization options for top or bottom boardmount
- Extended guide rails enable accurate and easy card insertion
- Guide rail ESD clip contacts board ground pads
- Optional 2mm board standoff enables board population
- Single row solder tails with 0.635mm spacing
- 30µin gold plating



31.60mm HEADER—ACCEPTS EJECTOR

| Mfg. Part No.      | Style    | Standoff | Stock No. | Price Each |       |
|--------------------|----------|----------|-----------|------------|-------|
|                    |          |          |           | 1-24       | 25-99 |
| N7E50-M516RB-40-WF | Standard | None     | 93K6316   | 5.41       |       |
| N7E50-M516RB-50-WF | Standard | 2mm      | 93K6317   | 5.41       |       |
| N7E50-N516RB-50-WF | Inverse  | 2mm      | 93K6319   | 4.71       |       |

18.70mm HEADER—EJECTOR NOT ACCEPTED

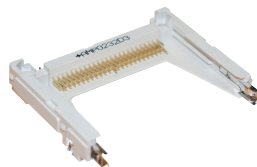
|                    |          |     |         |      |  |
|--------------------|----------|-----|---------|------|--|
| N7E50-Q516RB-50-WF | Standard | 2mm | 93K6320 | 5.30 |  |
| N7E50-R516RB-50-WF | Inverse  | 2mm | 93K6321 | 5.30 |  |

\*CompactFlash is a trademark of SanDisk Corp (84752)

AMP CARD CONNECTORS FOR COMPACT FLASH



- Meets CompactFlash Association Specifications
- Proven PCMCIA contact technology
- Accepts hardware for mechanical mounting
- 50-position Card Connector



CompactFlash headers can accept Type I and/or Type II card thickness. Available in both vertical or right angle mount, and flush or raised mounting heights.

VERTICAL, DOUBLE ROW, 0.050" CENTERLINES

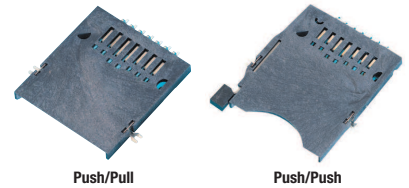
| Mfg. Part No. | Plating | Mounting Type                 | Height | Card Types | Stock No. | Price Each |       |
|---------------|---------|-------------------------------|--------|------------|-----------|------------|-------|
|               |         |                               |        |            |           | 1-24       | 25-99 |
| 5120615-1     | Gold    | PCB Right Angle Surface Mount | 5.2    | I only     | 42K7003   | 5.72       | 4.87  |
| 1734448-1*    | Gold    | PCB Straight Surface Mount    | 6.3    | I and II   | 73K1616   | 5.44       | 4.79  |
| 1734449-1*    | Gold    | PCB Straight Surface Mount    | 6.3    | I and II   | 73K1617   | ---        | ---   |
| 1734450-1*    | Gold    | PCB Straight Surface Mount    | 8.5    | I and II   | 16M2769   | 5.08       | 4.09  |
| 1734451-1     | Gold    | PCB Straight Surface Mount    | 4.0    | I and II   | 73K1618   | 3.59       | 3.59  |
| 5788667-1     | Gold    | PCB Right Angle Surface Mount | 5.2    | I and II   | 42K7587   | 5.52       | 5.15  |
| 5788643-1     | Gold    | PCB Straight Surface Mount    | 14     | I and II   | 53K0566   | 6.29       | 5.88  |
| 146839-3      | Gold    | PCB Straight Surface Mount    | 14     | I only     | 16M2716   | 7.66       | 6.92  |

\* Accepts snap-on ejector below. (79975)

AMP CARD CONNECTORS FOR SD MEMORY



- Voltage rating: 100VAC
- Current rating: 0.5A
- Operating temperature: -25°C to 90°C
- Mating force: 40N
- Un-mating force: 2N



SD memory cards stores digital files without requiring a computer. Three different connector configuration sizes including: Standard, mini, and micro, available with push/push and push/pull mating.

SD MEMORY CARD CONNECTORS

| Mfg. Part No. | Operating Function | Mounting     | Polarizing Post Length (mm) | Packaging | Stock No. | Price Each |       |
|---------------|--------------------|--------------|-----------------------------|-----------|-----------|------------|-------|
|               |                    |              |                             |           |           | 1-24       | 25-49 |
| 2041021-3     | Push-On/Pull-Off   | Top PC Board | 0.70                        | Tray      | 35R2925   | 1.76       | 1.59  |

MICRO SD MEMORY CARD CONNECTORS

|           |                  |              |      |             |         |      |      |
|-----------|------------------|--------------|------|-------------|---------|------|------|
| 1871602-1 | Push-On/Push-Off | Top PC Board | 0.45 | Tape & Reel | 14P9257 | 7.62 | 5.17 |
|-----------|------------------|--------------|------|-------------|---------|------|------|

(93059)

SM AND XD COMBO MEMORY CARD CONNECTORS



Amphenol Commercial Products

- Materials: Housing: High temperature thermoplastic
- Contact: Gold plated copper alloy
- Current Rating: 1 A
- Voltage Rating: 100 VAC
- Dielectric Withstanding Voltage: 250 VAC rms
- Contact Resistance: 40 mohm max
- Insulation Resistance: 1000 Mohm max
- Operating Temperature: -25°C - +65°C



| Mfg. Part No. | Contacts | Description     | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-24       | 25-49 |
| 101-00002-68  | 40       | Push Push Eject | 40P2478   | ---        | ---   |

(139108)

MEMORY STICK (MS) MEMORY CARD CONNECTORS



Amphenol Commercial Products

- Materials: Housing: High temperature thermoplastic
- Contact: Gold plated copper alloy
- Current Rating: 1 A
- Voltage Rating: 100 VAC
- Contact Resistance: 100 mohm max
- Insulation Resistance: 1000 Mohm max
- Dielectric Withstanding Voltage: 500 VAC rms
- Operating Temperature: -20°C - +60°C



| Mfg. Part No. | Contacts | Plating   | Description  | Stock No. | Price Each |       |
|---------------|----------|-----------|--------------|-----------|------------|-------|
|               |          |           |              |           | 1-9        | 10-49 |
| 101-00042-64. | 10       | 1µ" Gold  | Reverse Type | 60R0731   | ---        | ---   |
| 101-00042-68  | 10       | 15µ" Gold | Reverse Type | 40P2479   | ---        | ---   |

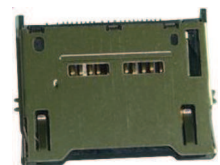
(139107)

6-IN-1 (SD, mini-SD, MMC, RS-MMC, RS-MMC 4.0, MMC 4.0) PUSH-PUSH MEMORY CARD CONNECTORS



Amphenol Commercial Products

- Housing: High temperature thermoplastic
- Contact: Gold plated copper alloy
- Current Rating: 0.5 A
- Voltage Rating: 250 VAC
- Contact Resistance: 100 mohm max
- Insulation Resistance: 1000 Mohm max
- Dielectric Withstanding Voltage: 500 VAC
- Operating Temperature: -20°C - +60°C



6-in-1 Combo which accepts most form factors of the SD/MMC family including SD, Mini-SD, MMC, MMC 4.0, RS-MMC & RS-MMC 4.0.

| Mfg. Part No. | Description          | Stock No. | Price Each |       |
|---------------|----------------------|-----------|------------|-------|
|               |                      |           | 1-24       | 25-49 |
| 101-00395-68  | Top Mount Normal     | 40P2505   | ---        | ---   |
| 101-00396-68  | Bottom Mount Reverse | 40P2506   | ---        | ---   |

(139105)

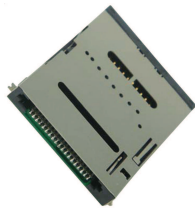


MEMORY CARD CONNECTORS

4-IN-1 (MS/SD/MMC/xD) PUSH-PUSH MEMORY CARD CONNECTORS



Amphenol Commercial Products



PCB, Normal, Uneven



PCB, Normal, Even

- Housing: High temperature thermoplastic, UL94V-0 rated
- Contact: Gold plated copper alloy; Tin on solder tails
- Voltage Rating: 250 VAC
- Current Rating: 0.5A per contact
- Dielectric Strength: 500 VAC initial and 250 VAC final for one minute
- Insulation Resistance: 1000 Mohm min at 250 VDC
- Contact Resistance: 100 mohm max
- Durability: 10000cycles.
- Operating Temperature: -20°C - +60°C

4-in-1 Combo sockets help bring traces of all contact sets to one common output terminal at the back of the connector, allowing for simple board design and coplanarity control. Even card position designs allows cards to end at same distance from the connectors edge.

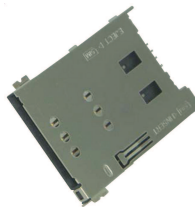
| Mfg. Part No. | Description          | Stock No. | Price Each |       |
|---------------|----------------------|-----------|------------|-------|
|               |                      |           | 1-24       | 25-49 |
| 101-00295-68  | No PCB, Normal, Even | 40P2494   | ---        | ---   |
| 101-00412-68  | PCB, Normal, Uneven  | 40P2509   | ---        | ---   |
| 101-00413-68  | PCB, Reverse, Uneven | 40P2510   | ---        | ---   |
| 101-00414-68  | PCB, Normal, Even    | 40P2511   | ---        | ---   |
| 101-00415-68  | PCB, Reverse, Even   | 40P2512   | ---        | ---   |

(139104)

SIM CONNECTORS



Amphenol Commercial Products



Normal, with Switch



Reverse, with Switch

- Housing: High temperature thermoplastic, UL94V-0 rated
- Contact: Gold plated copper alloy, Tin on solder tails
- Cover: Stainless Steel SUS304
- Voltage Rating: 100 VAC
- Current Rating: 0.5 A per contact
- Dielectric Strength: 500 VAC initial and 250 VAC final for one minute
- Insulation Resistance: 500 Mohm min at 500 VDC
- Contact Resistance: 50 mohm max at 100 mA
- Durability: 5000 cycles.
- Operating Temperature: -25°C - +85°C

15u" Gold plating on contact area, p/n's -68 160u" min Tin plating on solder area; -82 120u" min Tin plating on solder area

| Mfg. Part No. | Contacts | Description                       | Stock No. | Price Each |       |
|---------------|----------|-----------------------------------|-----------|------------|-------|
|               |          |                                   |           | 1-24       | 25-49 |
| 101-00269-68  | 6        | Normal, No Switch                 | 40P2489   | ---        | ---   |
| 101-00269-82  | 6        | Normal, No Switch                 | 60R0737   | 0.88       | 0.88  |
| 101-00306-68  | 6        | Normal, with Switch               | 40P2496   | ---        | ---   |
| 101-00306-82  | 6        | Normal, with Switch               | 60R0739   | 0.88       | 0.88  |
| 101-00586-68  | 6        | Normal, with Switch, High Profile | 40P2518   | ---        | ---   |
| 101-00270-68  | 6        | Reverse, No Switch                | 40P2490   | ---        | ---   |
| 101-00365-68  | 6        | Reverse, with Switch              | 40P2504   | ---        | ---   |
| 101-00309-68  | 8        | Normal, No Switch                 | 40P2497   | ---        | ---   |
| 101-00309-82  | 8        | Normal, No Switch                 | 60R0740   | 0.89       | 0.89  |
| 101-00271-68  | 8        | Normal, with Switch               | 40P2491   | ---        | ---   |
| 101-00271-82  | 8        | Normal, with Switch               | 60R0738   | ---        | ---   |
| 101-00364-68  | 8        | Reverse, No Switch                | 40P2503   | ---        | ---   |
| 101-00272-68  | 8        | Reverse, with Switch              | 40P2492   | ---        | ---   |

(139101)

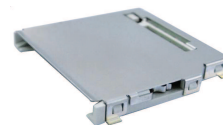
SD/MMC MEMORY CARD CONNECTORS



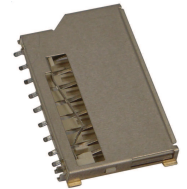
Amphenol Commercial Products



Push Push Eject



Manual Eject



Manual Eject - Short Body

- Housing: High temperature thermoplastic, UL94V-0 rated.
- Contact: Copper alloy
- Latch: Stainless steel SUS304
- Voltage Rating: 100 VAC
- Current Rating: 0.5 A per contact
- Dielectric Strength: 500 VAC initial and 250 VAC final for one minute
- Contact Resistance: 100 mohm max.
- Insulation Resistance: 1000 Mohm max.
- Operating Temperature: -25°C - +65°C

All SD sockets accept MMC standard since MMC has the same dimension as SD card. Note also that MMC is 2/3 the thickness of SD. So it is easier for an MMC card to drop out.

| Mfg. Part No. | Description                       | Plating   | Stock No. | Price Each |       |
|---------------|-----------------------------------|-----------|-----------|------------|-------|
|               |                                   |           |           | 1-24       | 25-49 |
| 101-00313-68  | Push Push Eject, no Stand-Off     | 15u" Gold | 40P2498   | ---        | ---   |
| 101-00405-75. | Push Push Eject, 1.8 mm Stand-Off | 1u" Gold  | 60R0741   | ---        | ---   |
| 101-00405-68  | Push Push Eject, 1.8 mm Stand-Off | 15u" Gold | 40P2508   | ---        | ---   |
| 101-00577-68  | Manual Eject                      | 15u" Gold | 40P2515   | ---        | ---   |
| 101-00708-64. | Manual Eject, Short Body          | 1u" Gold  | 60R0747   | ---        | ---   |
| 101-00234-64  | Manual Eject, Short Body          | 15u" Gold | 40P2486   | ---        | ---   |
| 101-00565-68  | Manual Eject, With MMC 4.0        | 1u" Gold  | 60R0744   | 1.51       | 1.51  |
| 101-00565-68  | Manual Eject, With MMC 4.0        | 15u" Gold | 40P2514   | ---        | ---   |

(139106)

SD MEMORY CARD ADAPTERS



Amphenol Commercial Products



106-00069 mini-SD to SD Adapter



106-00120 mini-SD to SD Adapter



micro-SD to mini-SD Adapter

- Housing: High temperature thermoplastic, UL94V-0 rated.
- Contact: Copper alloy
- Latch: Stainless steel SUS304
- Voltage Rating: 100 VAC
- Current Rating: 1 A per contact
- Dielectric Strength: 500 VAC initial and 250 VAC final for one minute
- Operating Temperature: -25°C - +85°C

| Mfg. Part No. | Description                 | Plating   | Stock No. | Price Each |       |
|---------------|-----------------------------|-----------|-----------|------------|-------|
|               |                             |           |           | 1-24       | 25-49 |
| 106-00069-10. | mini-SD to SD Adapter       | 1u" Gold  | 60R0748   | 0.96       | 0.96  |
| 106-00069-68  | mini-SD to SD Adapter       | 15u" Gold | 40P2523   | ---        | ---   |
| 106-00120-10. | mini-SD to SD Adapter       | 1u" Gold  | 60R0749   | 1.04       | 1.04  |
| 106-00120-68  | mini-SD to SD Adapter       | 15u" Gold | 40P2524   | ---        | ---   |
| 106-00330-13. | micro-SD to mini-SD Adapter | 10u" Gold | 60R0750   | ---        | ---   |
| 106-00330-68  | micro-SD to mini-SD Adapter | 15u" Gold | 40P2525   | ---        | ---   |
| 106-00351-11. | micro-SD to SD Adapter      | 3u" Gold  | 60R0751   | 0.92       | 0.92  |
| 106-00351-68  | micro-SD to SD Adapter      | 15u" Gold | 40P2526   | ---        | ---   |

(139091)

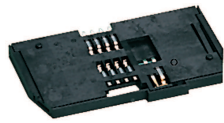
Keep current on local/global legislation

One source for the latest news on environmental laws, and expert answers to your questions.  
www.element14.com/legislation

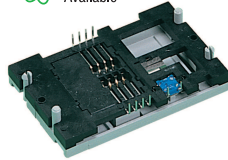
(196540)

MEMORY CARD CONNECTORS

SMARTCARD CONNECTORS



P02 Series



L08 Series

SMARTCARD CONNECTORS

A range of chip card connector products, with wiping and landing contacts. Provides electrical connection of chip cards according to ISO7810-7813. Variants for different environments, friendly, harsh or space critical. Wide range of applications including data terminals, security, EPOS payment, and metering.

| Mfg. Part No.    | Circuits | Stock No. | Price Each |      |
|------------------|----------|-----------|------------|------|
|                  |          |           | 1-49       | 2.69 |
| ● 7312P0225A13LF | 8        | 93K5050   | 2.69       |      |

SMARTCARD VANDALISM PROOF HARSH ENVIRONMENT CONNECTORS

Sliding, anti-vandalism card readers feature spoon shape contacts and sealed normally open card detection switch.

| Mfg. Part No.    | Circuits | Stock No. | Price Each |      |
|------------------|----------|-----------|------------|------|
|                  |          |           | 1-24       | 3.88 |
| ● 7434L1625S13LF | 8        | 62K7665   | 3.88       |      |
| ● 7434L0835S01LF | 16       | 62K7664   | 4.29       |      |

SMARTCARD Z00 SERIES SLIDING PANEL MOUNT CONNECTOR

Panel mounts into the metal chassis, which electrically links to the Printed Circuit Board (PCB) by means of a Flexible Printed Circuit Cable (FPC). Meets the ISO (7810, 7816) and AFNOR UTE 93421. Easy to mount onto the metal panel plate of the equipment allowing great flexibility for design changes and evolutions without the need for main PCB modification. Card detection switch utilizes a self cleaning, wiping blade, normally closed.

| Mfg. Part No.    | Circuits | Stock No. | Price Each |     |
|------------------|----------|-----------|------------|-----|
|                  |          |           | 1-24       | --- |
| ● 7361Z0001S29LF | 8        | 72K3661   | ---        |     |
| ● 7361Z0001S42LF | 8        | 72K3664   | ---        |     |

SMARTCARD C04 SERIES SLIDING CONNECTOR

This IC Chip Card connector uses standard "sliding" contact technology and has the option of either 8 or 16 terminal contacts. The contacts mating surface geometry adopt the back of the spoon shape for durability & reliability against vandalism or harsh environment. A special carrier frame is included in the connector. Offers an efficient solution against vandalism due to the design of the mating face. Suits harsh environments (dust, water, variation of temperature). Can be easily integrated into a hybrid card reader, either magnetic stripe or chip.

| Mfg. Part No.    | Circuits | Stock No. | Price Each |      |
|------------------|----------|-----------|------------|------|
|                  |          |           | 1-24       | 2.45 |
| ● 7832C0425X01LF | 8        | 63K0267   | 2.45       |      |
| ● 7832C0435X01LF | 16       | 63K0268   | 4.19       |      |

(115901)

MEMORY CARD EJECTOR HEADERS

NEW



- Conforms to PCMCIA and JEIDA standards
- 10,000 mating cycles when using Berg headers and card kits
- Eject headers provide enhanced ESD protection
- PCMCIA Type III eject headers accepts Type I, II and III cards
- ExpressCard supports both USB 2.0 and PCI Express high-speed serial interfaces



| Mfg. Part No.       | Circuits | For Use With                 | Stock No. | Price Each |      |
|---------------------|----------|------------------------------|-----------|------------|------|
|                     |          |                              |           | 1-24       | 3.15 |
| ● 92194-000CALF     | 136      | PCMCIA Type I, II, III       | 93K5468   | ---        |      |
| ● 10038774-22ALF    | 26       | ExpressCard Host Slot System | 12T3012   | 3.15       |      |
| ● 10056265-122ABTLF | 26       | ExpressCard Host Connector   | 12T3013   | 1.78       |      |
| ● 10030570-2112LF   | 26       | ExpressCard Module Connector | 50M7720   | 2.33       |      |

(115902)

PCMCIA CONNECTORS



- Complies to PC card and JEIDA standards
- Rugged concept with unique SnapFit latches
- Integrated frame bar within shield
- Designed for automated or hand assembly

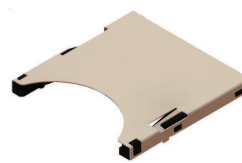


| Mfg. Part No.     | Circuits | Stock No. | Price Each |     |
|-------------------|----------|-----------|------------|-----|
|                   |          |           | 1-49       | --- |
| ● 10014744-002SLF | 68       | 98K5263   | ---        |     |

(115903)

SD MEMORY CARD CONNECTORS

NEW



MEM1050



MEM1055

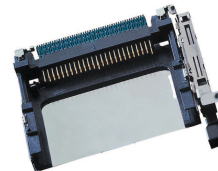
Specifications:

- Housing material: MEM1050: High-temp plastic UL94V-0; MEM1055: LCP
- Contact terminal: MEM1050: Copper alloy; MEM1055: Phosphor bronze
- Metallic shell: MEM1050: Stainless steel; MEM1055: Brass
- Temperature rating: MEM1050: -25°C to +85°C; MEM1055: -25°C to +90°C
- Contact resistance: MEM1050: 80Ω Max.; MEM1055: 100Ω Max
- Insulation resistance: 1000MΩ Min. (Apply 500 VDC)
- Dielectric withstanding voltage: Withstand 500VAC for 1 min
- Durability: MEM1050: 5,000 cycles; MEM1055: 10,000 cycles

| Mfg. Part No.         | Description  | Stock No. | Price Each |       |
|-----------------------|--|-----------|------------|-------|
|                       |  |           | 1-24       | 25-49 |
| ● MEM1050-00-305-01-B | Push Shunt - 3.05mm Profile - With post - Normally Open Switch | 69R4861   | 2.40       | 2.29  |
| ● MEM1055-00-280-01-B | Push Pull - 2.80mm Profile - With post - Normally Open Switch  | 69R4862   | 2.40       | 2.29  |

(168912)

0.50"(1.27mm) PITCH COMPACT FLASH CARD CONNECTORS



Right-angle, SMT top-mounting Compact Flash card headers feature black glass-filled LCP, UL94V-0 and phosphor-bronze contacts with gold over palladium nickel-plating in the contact area. Tin/lead solder tail areas, nickel underplating. Phosphor bronze, tin/lead over copper-plating solder tabs. Voltage: 100V. Current: 0.5A. Contact resistance: 40mΩ maximum. Dielectric withstanding voltage: 500VAC/ 1 min. Insulation resistance: 1000MΩ minimum. 55244 has high-temperature housing suitable for reflow soldering, in-line SMT tails that protect against damage during assembly. For type I and type II cards. Designed for use with 55246 ejector. 55246 Compact Flash card ejector has left-side flip button. For use with 55244 card header. 67155 has low profile. 169" (4.3mm) height. Designed for use with 67114-0001. 53856 has 1.64mm standoff height, dual-row .050" (1.27mm) pitch at card interface and .025" (0.635mm) pitch in-line SMT tails. For use with type I cards. 67130 accepts any PCMCIA type I, II and III cards and any type I or II cards with ejector mechanism.

FOR TYPE I AND TYPE II CARDS

| Mfg. Part No. | Description                                    | Stock No. | Price Each |       |
|---------------|--|-----------|------------|-------|
|               |  |           | 1-9        | 13.32 |
| ● 55244-5029  | Right Angle, SMT Reverse-Mounting Header       | 56R2076   | 13.32      |       |
| ● 67155-0002  | Low Profile, Right Angle SMT Header            | 59H1919   | 8.47       |       |
| ● 55358-5029  | Right Angle, SMT Top Mounting Header           | 25M4704   | 17.78      |       |
| ● 55364-0011  | Card Ejector, Left-Side Button, Push-Push Type | 57H6454   | ---        |       |

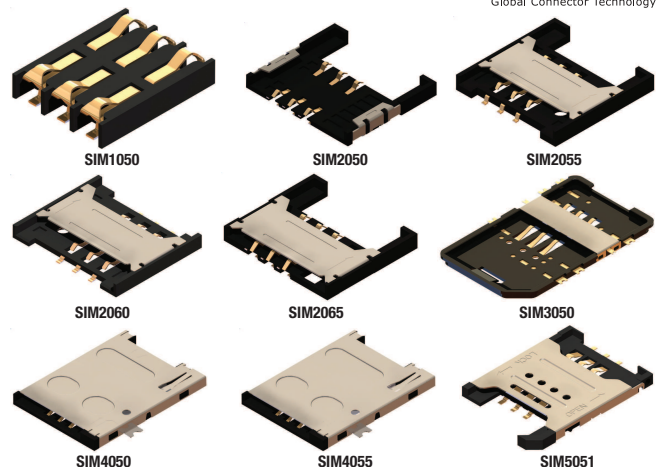
FOR TYPE I CARDS

|              |                                      |         |      |  |
|--------------|--------------------------------------|---------|------|--|
| ● 53856-5070 | Right Angle, SMT Top-Mounting Header | 59J0627 | 9.12 |  |
|--------------|--------------------------------------|---------|------|--|

(69828)

SIM CONNECTORS

NEW



CONTINUED

MEMORY CARD CONNECTORS • CARD EDGE CONNECTORS

SIM CONNECTORS (CONT.)

OPEN CONTACT SIM CONNECTOR

Open contact SIM card connectors are compact & low cost for different design scenarios. Ultra-slim 1.2mm profile for miniature portable devices. Reliable low-friction contacts with 50 mOhm contact resistance and a durable design capable of more than 5,000 mating / unmating life cycles. UL94-V0 rated hi-temp thermoplastic 30% glass filled LCP suitable for reflow & wave soldering



| Mfg. Part No.         | Description    | Stock No. | Price Each |       |
|-----------------------|----------------|-----------|------------|-------|
|                       |                |           | 1-9        | 10-24 |
| ● SIM1050-6-0-12-00-A | 1.20mm Profile | 69R4869   | 0.70       | 0.59  |

RETAINER SIM CONNECTOR

Retainer SIM card connectors have 4 different designs, clip or cover, long or short body. Card guide and stops in housing (inside the slot) prevents card mis-insertion. Reliable low-friction contacts with 50 mOhm contact resistance. High quality 15u" gold plated contacts guarantees minimum 5,000 mating / unmating cycles. Absorption area for automatic pick and place SMT mounting

|                       |   |         |      |      |
|-----------------------|---|---------|------|------|
| ● SIM2050-6-0-18-00-A | 1.80mm Profile - Card Stop                                    | 69R4870 | ---  | ---  |
| ● SIM2055-6-0-18-00-A | 1.80mm Profile - Card Stop - 16.30mm Length - Mid Wing Block  | 69R4871 | 0.76 | 0.68 |
| ● SIM2060-6-0-18-00-A | 1.80mm Profile - No Card Stop - Pass Through - Mid Wing Block | 69R4872 | ---  | ---  |
| ● SIM2065-6-0-18-00-A | 1.80mm Profile - Card Stop - 14.20mm Length - End Wing Block  | 69R4873 | ---  | ---  |
| ● SIM3050-6-0-05-00-A | 0.50mm Profile - Without Post - Without Switch                | 24T5871 | 1.11 | 0.94 |

PUSH PUSH SIM CONNECTOR

Push Push SIM card connectors have a mechanism for easy card insertion & extraction. Built in card detection switch for hot swap and plug & play applications. Anti-fly out brake feature to prevent card fall out during ejection. Shielded metallic case minimizes EMI / EMC pick up. High quality 15u" gold plated contacts guarantees a minimum 5,000 mating / unmating cycles.

|                       |  |         |      |      |
|-----------------------|--|---------|------|------|
| ● SIM4050-6-1-22-00-A | 2.20mm Profile - With Switch             | 69R4874 | 2.84 | 2.45 |
| ● SIM4055-6-1-22-01-A | 2.20mm Profile - With Switch - With Boss | 69R4875 | 2.84 | 2.45 |

HINGED SIM CONNECTOR

Hinged SIM card connectors offer a robust hinge slide lock mechanism holds the SIM card securely even under intense vibration. A guided housing for card alignment, preventing card mis-insertion. 1.8mm low profile for slim design applications. Full-flat flipping cover suitable for any design scenarios. A shielded metallic case minimizes EMI / EMC pick up.

|                       |                         |         |      |      |
|-----------------------|-------------------------|---------|------|------|
| ● SIM5051-6-0-18-00-A | Hinged - 1.80mm Profile | 99R3491 | 0.76 | 0.69 |
|-----------------------|-------------------------|---------|------|------|

DUAL SIM CONNECTOR

Dual SIM slots allow plugging of two SIM cards into one connector, saving you PCB space and cutting the cost of PCB placement. This enables applications using two GSM accounts in one device. For example, in the vehicle tracking market the connector allows the option of switching between mobile networks when crossing country borders or when an alternative network offers a price or signal quality advantage. In personal handheld applications the connector permits use of 'work' and 'personal' accounts.

|                       |   |         |      |      |
|-----------------------|---|---------|------|------|
| ● SIM6050-8-0-30-00-A | Dual - SMT - 2 x 8 pin - 3.00mm Profile - Without Switch - Without Post | 99R5290 | 1.48 | 1.25 |
|-----------------------|---|---------|------|------|

(168913)

MICROSD MEMORY CARD CONNECTOR

NEW



The microSD standard covers the world's smallest memory card connectors. The Push-Push versions include card extractor features to help provide smooth card insertion and removal. Right angle surface mount MicroSD memory connectors feature ultra small size for space savings.

PUSH-PUSH TYPE MICROSD CARD CONNECTORS

| Mfg. Part No.  | Detect Switch | Circuits | Stock No. | Price Each |
|----------------|---------------|----------|-----------|------------|
|                |               |          |           | 1-9        |
| ● 502570-0893  | Yes           | 8        | 96M0537   | 3.38       |
| ● 503182-0852  | Yes           | 8        | 53R1552   | 3.42       |
| ● 500873-0806  | No            | 8        | 64M0543   | 3.38       |
| ● 502774-0891* | No            | 8        | 96M0539   | 3.22       |

\* Reverse PCB Mounting (86839)

(196545)

Visit Newark's element14 community

Get inspired at our electronics community. Collaborate, design, research, ask experts questions. [www.element14.com](http://www.element14.com)

SECURE DIGITAL CARD CONNECTOR



Right-angle, 2.50 mm (.098") SMT SD memory card headers have push-push ejection, features black glass-filled LCP, UL 94V-0 and copper alloy contacts with selective gold plating. Voltage: 100 VAC. Current: 0.5 A.

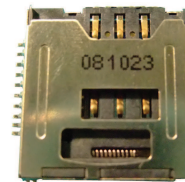
SD MEMORY CARD CONNECTORS WITH PUSH PUSH EJECTORS

| Mfg. Part No. | Description         | Stock No. | Price Each |
|---------------|---------------------|-----------|------------|
|               |                     |           | 1-9        |
| ● 500998-0900 | Top Mount, Shielded | 73K4169   | 6.49       |

(88583)

3

SIM AND MICRO SD COMBO MEMORY CONNECTOR



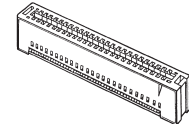
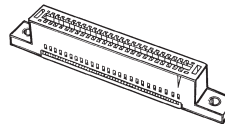
NEW

- Contact Resistance: 1000 mΩ
- Voltage Rating: 500 VAC
- Current Rating: 0.5A max.

| Mfg. Part No.     | Description      | Stock No. | Price Each |
|-------------------|------------------|-----------|------------|
|                   |                  |           | 1-99       |
| ● AI02X-21605BT00 | SIM and Micro SD | 53R1892   | 1.40       |

(194823)

0.100" CARD EDGE CONNECTORS



Drilled Mounting Flanges

Without Flanges

- Bifurcated Copper Alloy Contacts for Reliable PC Board Contact
- 30u" Gold Plating
- Accommodate 26 AWG and 28 AWG Solid and Stranded Cable
- Reliable Metal Cover Clips

Available with or without flanges. UL recognized, CSA certified. Order strain reliefs separately below.

WITH DRILLED MOUNTING FLANGES

| Mfg. Part No. | Contacts | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-24       |
| ● 3461-0000   | 20       | 46F4757   | 6.19       |
| ● 3464-0000   | 40       | 46F4760   | 9.59       |
| ● 3415-0000   | 50       | 46F4761   | 9.93       |

WITHOUT MOUNTING FLANGES

|             |    |         |       |
|-------------|----|---------|-------|
| ● 3358-0001 | 10 | 46F4764 | 5.20  |
| ● 3461-0001 | 20 | 46F4766 | 6.77  |
| ● 3462-0001 | 26 | 46F4767 | 8.21  |
| ● 3463-0001 | 34 | 46F4768 | 8.74  |
| ● 3464-0001 | 40 | 46F4769 | 8.76  |
| ● 3415-0001 | 50 | 46F4770 | 11.90 |
| ● 3403-0001 | 64 | 46F4772 | 13.38 |

WITH SLOTTED MOUNTING FLANGES

|             |    |         |       |
|-------------|----|---------|-------|
| ● 3461-0002 | 20 | 46F4775 | 5.65  |
| ● 3462-0002 | 26 | 46F4776 | 6.85  |
| ● 3415-0002 | 50 | 46F4779 | 11.90 |

STRAIN RELIEFS

|           |    |         |      |
|-----------|----|---------|------|
| ● 3448-54 | 20 | 87F3983 | 2.82 |
| ● 3448-55 | 26 | 87F3984 | 6.70 |
| ● 3448-58 | 50 | 87F3987 | 4.35 |

(8396)



## CARD EDGE CONNECTORS

### AMP CARD EDGE CONNECTORS FOR PCI EXPRESS



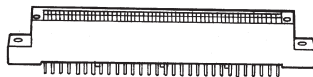
- RoHS Compliant
- Complies with PCI SIG Specification
- Accommodates Gigabit and 10 Gigabit Ethernet
- Bandwidth Ranges from 500Mbps/second to 64Gbps/second
- 1.00 mm Centerline



| Mfg. Part No. | Contacts | Gold Contact Plating (μ") | Stock No. | Price Each |       |
|---------------|----------|---------------------------|-----------|------------|-------|
|               |          |                           |           | 1-9        | 10-24 |
| ● 1-1612163-3 | 98       | 5                         | 96H9133   | 2.19       | 2.19  |
| ● 3-1612163-3 | 98       | 15                        | 45J3533   | 1.35       | 1.35  |
| ● 3-1612163-4 | 164      | 15                        | 45J3531   | 2.32       | 2.12  |

(83241)

### CARDCON™ 0.100" (2.54) and 0.156" (3.96) DENSITY COMMERCIAL SOLDER CARD EDGE CONNECTORS



- Bifurcated semi-bellows type contacts constructed of spring brass-plated with gold over nickel for added reliability.
- Ideal for applications involving vibrations or board irregularities.
- Available less mounting ears or with 0.128" (3.25) mounting holes.
- UL94V-0 rated glass-filled polyester insulation material, black.
- Operating temperature: -65°C to +105°C.
- Meets applicable performance criteria of MIL-C-21097.
- UL recognized - file E170218 (UL1977) E130965 (UL1863).

#### Additional 0.100" (2.54) features:

DIP solder tails on 0.200" (5.08) row centers double readout. Withstanding voltage: 650 VAC rms. Current rating: 3 A. Accepts 0.062" (1.59) thick PC boards. Contact resistance: 10 milliohms maximum. Insulation resistance: 5000 megohms minimum. Standard contact plating: 10μ" selective gold over nickel, 50μ" nickel in contact area, tin on tails.

#### Additional 0.156" (3.96) features:

DIP solder tails single readout and double readout on 0.140" (3.56) row centers or 0.200" (5.08) row centers. Solder eyelet, single readout and double readout on 0.200" (5.08) row centers. Withstanding voltage: 1800 VAC rms. Current rating: 5 A. Accepts single or double sided 0.062" (1.59) thick PC boards. Contact resistance: 6 milliohms maximum. Insulation resistance: 5000 megohms minimum. Contact plating: 10μ" selective gold over 30μ" nickel in contact area, tin on tails.

#### 0.100" DENSITY CONNECTORS, DIP SOLDER, DOUBLE READOUT, 0.200" ROW SPACING, LESS MOUNTING EARS

| Mfg. Part No. | Positions/Contacts | Stock No. | Price Each |       |
|---------------|--------------------|-----------|------------|-------|
|               |                    |           | 1-24       | 25-99 |
| 50-22SN-12    | 22/44              | 44F4816   | 5.59       |       |
| 50-25SN-12    | 25/50              | 44F4817   | 7.08       |       |
| 50-31SN-12    | 31/62              | 44F4820   | 4.89       |       |

#### 0.100" DENSITY CONNECTORS, DIP SOLDER, DOUBLE READOUT, 0.200" ROW SPACING, 0.128" MOUNTING HOLES

| Mfg. Part No. | Positions/Contacts | Stock No. | 1-24 |
|---------------|--------------------|-----------|------|
| 50-25SN-11    | 25/50              | 44F4836   | 4.47 |

#### 0.156" DENSITY CONNECTORS, 0.156" LONG DIP SOLDER TAILS, DOUBLE READOUT, 0.200" ROW SPACING, WITH 0.128" MOUNTING HOLES

| Mfg. Part No. | Positions/Contacts | Stock No. | Each |
|---------------|--------------------|-----------|------|
| 50-44SN-1     | 22/44              | 29F1755   | 6.05 |

#### 0.156" DENSITY CONNECTORS, 0.156" LONG DIP SOLDER TAILS, SINGLE READOUT, WITH 0.128" MOUNTING HOLES

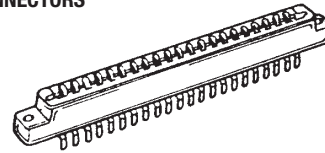
| Mfg. Part No. | Positions/Contacts | Stock No. | Price Each |
|---------------|--------------------|-----------|------------|
| 50-22SN-5     | 22/22              | 81F1028   | 5.08       |

#### 0.156" DENSITY CONNECTORS, SOLDER EYELET, DOUBLE READOUT, 0.200" ROW SPACING, WITH 0.128" MOUNTING HOLES

| Mfg. Part No. | Positions/Contacts | Stock No. | Price Each |
|---------------|--------------------|-----------|------------|
| 50-44SN-9     | 22/44              | 81F1044   | 6.60       |

(12929)

### CARDCON™ 0.156" (3.96) DENSITY COMMERCIAL SOLDER CARD EDGE CONNECTORS



Available with single readout 0.156" (3.96) long DIP solder tail; double readout .156" (3.96) long DIP solder tail with 0.200" (5.08) row spacing; single readout solder eyelet; and double readout solder eyelet with 0.200" (5.08) row spacing. Bifurcated semi-bellows type contacts constructed of spring brass-plated with gold over nickel. UL94V-0 rated glass-filled polyester insulation material. Rated 5A. Withstanding voltage: 1800VACrms. Operating temperature: -65°C to +105°C. Accepts single or double sided 0.062" (1.57) thick PCBs. UL recognized File # E19071.

#### SOLDER EYELET, DOUBLE READOUT, 0.200" ROW SPACING, WITH 0.128" MOUNTING HOLE

| Mfg. Part No. | Positions/Contacts | Stock No. | Price Each |
|---------------|--------------------|-----------|------------|
| 50-44SN-9     | 22/44              | 81F1044   | 6.60       |

#### DIP SOLDER TAILS, SINGLE READOUT, 0.156" LONG, WITH 0.128" MOUNTING HOLE

| Mfg. Part No. | Positions/Contacts | Stock No. | Price Each |
|---------------|--------------------|-----------|------------|
| 50-22SN-5     | 22/22              | 81F1028   | 5.08       |

#### DIP SOLDER TAILS, DOUBLE READOUT, 0.200" ROW SPACING, 0.156" LONG, WITH 0.128" MOUNTING HOLE

| Mfg. Part No. | Positions/Contacts | Stock No. | Price Each |       |
|---------------|--------------------|-----------|------------|-------|
|               |                    |           | Each       | 25-99 |
| 50-44SN-1     | 22/44              | 29F1755   | 6.05       |       |

(8044)

### 307 SERIES DUAL-READOUT 0.156" (3.96) CARD EDGE RECEPTACLES



Low-profile receptacles feature phosphor bronze contacts with bifurcated nose. Selective gold over nickel plating in mating area with tin-lead tails. Solder hole or PC tab contacts. Flush mount, green glass-filled polyester insulator, rated UL94V-0. Parts are single read out with center line contacts. Mounting lugs with 0.128" diameter holes, accepts PC boards 0.054 to 0.070" (1.37-1.78) thick. Current rating: 5A.

#### SOLDER HOLE TERMINALS

| Mfg. Part No.     | Contacts | Dimensions (in.) |                  | Stock No. | Price Each |       |
|-------------------|----------|------------------|------------------|-----------|------------|-------|
|                   |          | Connector Length | Card Edge Length |           | 1-24       | 25-99 |
| ● 307-012-500-202 | 12       | 1.246            | 1.100            | 95F3098   | 3.45       | 3.05  |
| ● 307-020-500-202 | 20       | 1.870            | 1.720            | 95F3099   | 5.11       | 4.51  |
| ● 307-024-500-202 | 24       | 2.182            | 2.030            | 95F3100   | 5.26       | 4.64  |
| ● 307-030-500-202 | 30       | 2.650            | 2.504            | 95F3101   | 5.63       | 4.97  |
| ● 307-036-500-202 | 36       | 3.118            | 2.970            | 95F3102   | 6.10       | 5.38  |
| ● 307-044-500-202 | 44       | 3.742            | 3.590            | 95F3103   | 7.11       | 6.27  |
| ● 307-056-500-202 | 56       | 4.678            | 4.532            | 95F3105   | 9.68       | 8.53  |
| ● 307-072-500-202 | 72       | 5.926            | 5.780            | 95F3106   | 12.08      | 10.65 |
| ● 307-086-500-202 | 86       | 7.018            | 6.872            | 95F3107   | 14.06      | 12.39 |

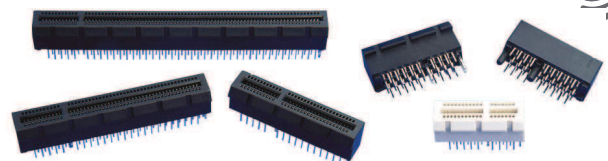
#### PC TAB TERMINAL

|                   |    |       |       |         |       |       |
|-------------------|----|-------|-------|---------|-------|-------|
| ● 307-012-502-202 | 12 | 1.246 | 1.100 | 85H4382 | ---   | ---   |
| ● 307-020-520-202 | 20 | 1.870 | 1.720 | 59K0368 | 5.11  | 4.51  |
| ● 307-024-520-202 | 24 | 2.182 | 2.030 | 35C1224 | 5.26  | 4.64  |
| ● 307-036-520-202 | 36 | 3.118 | 2.970 | 59K0370 | 6.10  | 5.38  |
| ● 307-044-520-202 | 44 | 3.742 | 3.590 | 59K0371 | 7.11  | 6.27  |
| ● 307-056-520-202 | 56 | 4.678 | 4.532 | 63K7126 | 9.68  | 8.53  |
| ● 307-072-520-202 | 72 | 5.926 | 5.780 | 59K0373 | 12.08 | 10.65 |
| ● 307-086-520-202 | 86 | 7.018 | 6.872 | 60K7106 | 14.06 | 12.39 |

(8686)

### PCI EXPRESS CONNECTORS

NEW



- 1, 4, & 16 serial PCI Express links to suit different bandwidth requirements
- Supports 2.36mm thick motherboards
- Through-mount soldertails are offset to form four rows on 2.0mm pitch
- Moulded polarisation key prevents mis-alignment when mating
- A retention clip may be mounted on the add-in card and latched over the ridge of the connector

➔ CONTINUED ➔

3



Introducing the element14 knode  
Research, Design, Develop, Build—Faster.  
See how at [www.element14.com/knode](http://www.element14.com/knode)

(196406)

CARD EDGE CONNECTORS • PC BOARD STACKING CONNECTORS

PCI EXPRESS CONNECTORS (CONT.)

These 1.0mm pitch, vertical card edge connectors are used to implement the PCI Express™ strategy in ATX or ATX-based desktop PCs and server systems. The connector family offers 1, 4 & 16 high-speed serial PCI Express Lanes. Each serial lane supports 2.5 Gbps data rate (per direction).

VERTICAL THROUGH HOLE CONNECTORS

| Mfg. Part No.       | Contacts | Stock No. | Price Each |      |
|---------------------|----------|-----------|------------|------|
|                     |          |           | 1-99       | 1-99 |
| ● 10018783-11110TLF | 36       | 93K2079   | ---        | ---  |
| ● 10018783-11111TLF | 64       | 93K2080   | ---        | 1.56 |

SURFACE MOUNT VERTICAL CONNECTORS

|                   |     |         |     |      |
|-------------------|-----|---------|-----|------|
| ● 10061913-101CLF | 64  | 12T3014 | --- | 2.91 |
| ● 10061913-103TLF | 164 | 12T3015 | --- | 5.00 |

SURFACE MOUNT STRADDLE CONNECTORS

|                     |    |         |     |      |
|---------------------|----|---------|-----|------|
| ● 10025026-10003TLF | 36 | 12T3009 | --- | 5.60 |
|---------------------|----|---------|-----|------|

(115906)

PC CARD CONNECTORS



PC Card connectors accept any PCMCIA Type I, II or III cards. 9.8N contact retention to housing. 39.2N mating force. 6.67N unmating force. Voltage: 100V. Current: 0.5A Contact Resistance: 40 mOhms max. Insulation Resistance: 1000 Megohms min. Durability: 10,000 cycles. Contact: Gold plated Phosphor Bronze. Housing: 94208 series: Black nylon %. UL 94V-0; 67130 series: White Glass-filled LCP, UL 94V-0 Operating Temperature: -20 to +85°C Tube packaging.

| Mfg. Part No. | Description                       | Stock No. | Price Each |     |
|---------------|-----------------------------------|-----------|------------|-----|
|               |                                   |           | 1-4        | 1-4 |
| ● 94208-0011  | Vertical, Top Mount, Through Hole | 60H5937   | ---        | --- |
| ● 67130-0802  | Top Mount, Right Angle, SMT       | 07P6351   | ---        | --- |

(136215)

0.80mm (0.032") HSEC8 SERIES HIGH SPEED CARD CONNECTORS

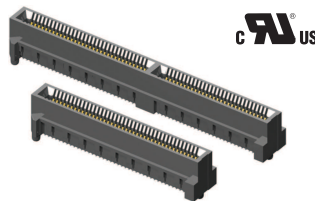


Features:

- Board to board applications
- High speed cable and flex applications
- Mates with: 1.6mm thick cards, EEDP, HSC8, HSF8

Specifications:

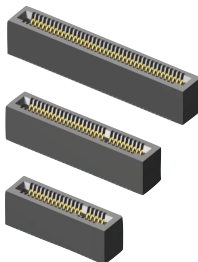
- Insulator material: Black liquid crystal polymer
- Contact: Beryllium Copper
- Plating: Gold over nickel
- Current rating: 3.1A
- Operating temperature: -55°C to +125°C
- Card insertion depth: (3.15mm) .125"



| Mfg. Part No.          | Positions | Stock No. | Price Each |       |
|------------------------|-----------|-----------|------------|-------|
|                        |           |           | 1-9        | 10-99 |
| ● HSEC8-110-01-SM-DV-A | 20        | 11P5080   | 5.76       | 5.09  |
| ● HSEC8-120-01-SM-DV-A | 40        | 11P5081   | ---        | ---   |
| ● HSEC8-130-01-SM-DV-A | 60        | 11P5082   | 6.47       | 5.72  |
| ● HSEC8-140-01-SM-DV-A | 80        | 11P5083   | 9.75       | 8.70  |
| ● HSEC8-150-01-SM-DV-A | 100       | 11P5084   | 11.04      | 9.85  |
| ● HSEC8-160-01-SM-DV-A | 120       | 11P5085   | 9.54       | 9.00  |

(136054)

1.00mm (0.039") MEC1 SERIES MINI EDGE CARD CONNECTORS

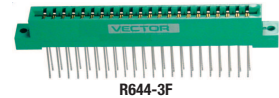


Edge card connectors feature black liquid crystal polymer housing with gold plated beryllium copper contacts. Current rating: 2A @ 80°C, Operating temperature range -55°C to +125°C, Voltage Rating: 300 VAC. Mates with 1.6mm thick cards.

| Mfg. Part No.       | Positions | Stock No. | Price Each |       |
|---------------------|-----------|-----------|------------|-------|
|                     |           |           | 1-9        | 10-99 |
| ● MEC1-105-02-S-D-A | 10        | 11P5205   | 5.91       | 5.29  |
| ● MEC1-108-02-S-D-A | 16        | 11P5206   | 6.27       | 5.60  |
| ● MEC1-120-02-S-D-A | 40        | 11P5207   | ---        | ---   |
| ● MEC1-130-02-S-D-A | 60        | 11P5208   | ---        | ---   |
| ● MEC1-140-02-S-D-A | 80        | 11P5209   | 7.20       | 6.36  |
| ● MEC1-150-02-S-D-A | 100       | 11P5210   | 10.77      | 9.62  |
| ● MEC1-160-02-S-D-A | 120       | 11P5211   | 9.30       | 8.77  |
| ● MEC1-170-02-S-D-A | 140       | 11P5212   | 8.54       | 9.71  |

(136063)

R600 CARD EDGE CONNECTORS



- Designed for 0.062" Thick PC Boards
- Low Insertion Force
- Mating Contacts Are Gold Over Nickel-Plated for Reliability
- 0.0200" Pin Row Separation
- Test Voltage: 650VAC
- Rated Current: 3A

Contact resistance drop: 30mV maximum at rated current. Insulation resistance: 5000 megohms at 500VDC. Pin length: 0.25" (solder tail); 0.65" (wire-wrap).

SOLDER TERMINATION

| Mfg. Part No. | Contacts | Pitch Spacing (in.) | Stock No. | Price Each |       |
|---------------|----------|---------------------|-----------|------------|-------|
|               |          |                     |           | 1-9        | 1-9   |
| ● R630†       | 30       | 3.96                | 38F1108   | ---        | 18.82 |
| ● R636-2*     | 72       | 2.54                | 81F4778   | ---        | 24.36 |
| ● R644*       | 44       | 3.96                | 38F487    | ---        | 18.50 |
| ● R656-1†     | 56       | 3.18                | 10F8212   | ---        | 36.40 |
| ● R681-3†     | 100      | 3.18                | 87F658    | ---        | 31.40 |

WIRE WRAP TERMINATION

|            |    |      |         |     |       |
|------------|----|------|---------|-----|-------|
| ● R636-1†  | 72 | 2.54 | 38F1143 | --- | 20.97 |
| ● R644-3F* | 44 | 3.96 | 20C2835 | --- | 11.31 |

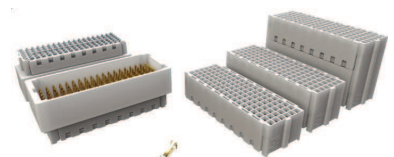
† Center mounting ears; \* Flush mounting ears (9102)

MEZALOK HIGH RELIABILITY MEZZANINE CONNECTORS FOR VITA 61 STANDARD

NEW



- Housings: LCP plastic, white in color
- Contacts: Gold plated copper alloy, Sn/Pb solder balls
- Operating temperature: -60°C to +125°C
- Mating cycles: 500
- Mating force: 0.30 lb. max. times number of contacts
- Shock and vibration per VITA 47 requirements



Rugged surface mount mezzanine connector incorporating "super-redundant" Mini-Box contact system for an ultra reliable separable interface. Designed for 10mm and 12mm stack heights in both 60 and 114 positions. 114 position is designed to support VITA 61 XMC architecture as rugged alternative to VITA 42 XMC. 60 position designed for custom architecture stacking applications. VITA 42 and VITA 61 are not intermateable, but are footprint and XMC architecture compatible. LCP plastic housings offer superior thermal stability and are low-outgassing. Compliant BGA board attach supports standard surface mount processing and excellent thermal stability.

60 POSITION

| Mfg. Part No. | Positions | Gender     | Height (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-------------|-----------|------------|-------|
|               |           |            |             |           | 1-24       | 1-24  |
| 2102079-1     | 60        | Header     | 9.15        | 13T9158   | ---        | 17.64 |
| 2102080-1     | 60        | Receptacle | 10.00       | 13T9159   | ---        | 20.59 |
| 2102080-3     | 60        | Receptacle | 12.00       | 13T9160   | ---        | 20.59 |
| 2102080-9     | 60        | Receptacle | 18.00       | 24T5876   | ---        | ---   |

114 POSITION

|           |     |            |       |         |     |       |
|-----------|-----|------------|-------|---------|-----|-------|
| 2102060-1 | 114 | Header     | 9.15  | 13T9154 | --- | 27.87 |
| 2102061-1 | 114 | Receptacle | 10.00 | 13T9155 | --- | 41.39 |
| 2102061-3 | 114 | Receptacle | 12.00 | 13T9156 | --- | 41.39 |
| 2102061-9 | 114 | Receptacle | 18.00 | 13T9157 | --- | 44.42 |

(192064)

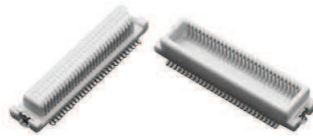
## PC BOARD STACKING CONNECTORS

### AMP 0.5mm FINE MATE CONNECTORS

**NEW**



- Voltage Rating: 50 VAC
- Current Rating: 0.5 A
- Operating Temperature: -30°C to +105°C
- Housing: 6T nylon, high heat resistant resin
- Contacts: Tin plated phosphor bronze
- Ultra fine, 0.5 (0.020) pitch SMT connectors for board-to-board interconnections
- Low profile parallel board stacking heights as low as 1.5 (0.059)
- Horizontal versions available for right angle board-to-board applications
- Surface areas provided to accommodate vacuum nozzles
- Available packaged in tape and reel for automatic placement per EIAJ standards
- Offered with tin or gold plating on mating surfaces
- Solder pegs are included for anti-peeling



0.5mm Fine Mate connectors are economical, surface-mount, fine pitch board-to-board connectors that have been developed to meet the latest needs of the electronic industry for high density packaging. These connectors offer a 0.5 (0.020) contact pitch and parallel board stacking heights ranging from 4.5 (0.177) to 6.0 (0.236). They are ideally suited for applications requiring miniaturization, such as cellular phones, pagers, notebook computers, camcorders and other consumer electronics. These connectors are designed for economical, automatic placement onto SMT printed circuit boards. The plug and cap designs include surface areas to accommodate "pick and place" vacuum nozzles without secondary covers. All products are "tape and reel" packaged, conforming to EIAJ standards.

| Mfg. Part No. | Positions | Gender     | Height (mm) | Stock No. | Price Each |
|---------------|-----------|------------|-------------|-----------|------------|
|               |           |            |             |           | 1-9        |
| ● 1747035-6   | 50        | Plug       | 4.8         | 17R5053   | 5.29       |
| ● 1565357-1   | 100       | Receptacle | 1.65        | 17R4008   | 11.35      |

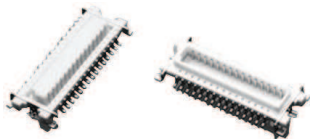
(194458)

### AMP 0.8mm FINE STACK CONNECTORS

**NEW**



- Voltage Rating: 50 VAC
- Current Rating: 0.5 A
- Operating Temperature: -30°C to +105°C
- Housing: 6T nylon, high heat resistant resin
- Contacts: Tin plated phosphor bronze
- 0.8 [0.031] fine pitch SMT connectors for board-to-board interconnections
- Low profile parallel board stacking heights as low as 3.0 [1.18]
- Available packaged in tape and reel for automatic placement per EIAJ standards
- Offered with tin or gold plating on mating surfaces
- Solder pegs included for anti-peeling
- Surface areas provided to accommodate vacuum nozzles

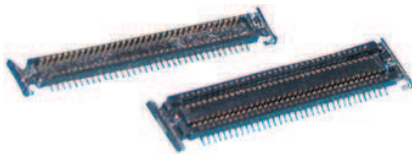


0.8mm Fine Stack connectors are economical, surface-mount, fine pitch board-to-board connectors that have been developed to meet the latest needs of the electronic industry for high density packaging. These connectors offer a 0.8 (0.031) contact pitch and parallel board stacking heights ranging from 3.0 (0.118) to 4.5 (0.177). They are ideally suited for applications requiring miniaturization, such as cellular phones, pagers, notebook computers, camcorders and other consumer electronics. These connectors are designed for economical, automatic placement onto SMT printed circuit boards. The plug and cap designs include surface areas to accommodate "pick and place" vacuum nozzles without secondary covers. All products are "tape and reel" packaged, conforming to EIAJ standards.

| Mfg. Part No. | Positions | Gender     | Height (mm) | Stock No. | Price Each |
|---------------|-----------|------------|-------------|-----------|------------|
|               |           |            |             |           | 1-24       |
| ● 1-179396-2  | 12        | Plug       | 3.0         | 41J2974   | 1.29       |
| 1-179397-2    | 12        | Receptacle | 3.0         | 16R9838   | 2.54       |

(194446)

### AMP 0.5mm FINE PITCH SURFACE MOUNT CONNECTORS (1.5mm BOARD-TO-BOARD STACK HEIGHT)



Ultra fine, 0.5mm [0.020"] pitch SMT connectors for 1.5mm board-to-board interconnections. Low profile parallel board stacking height of 1.5mm [0.059"]. Nickel contacts with gold plating on mating surface. Double row design is ideally suited for applications requiring miniaturization, designed for economical, automatic placement onto SMT printed circuit boards. Tab and receptacle designs include surface areas to accommodate "pick and place" vacuum nozzles without secondary covers. Tape and reel packaged, conforming to EIAJ standards.

| Mfg. Part No. | Positions | Gender     | Stock No. | Price Each |
|---------------|-----------|------------|-----------|------------|
|               |           |            |           | 1-9        |
| ● 2-5353515-0 | 20        | Plug       | 67K7607   | 4.22       |
| ● 2-5353512-0 | 20        | Receptacle | 57K0506   | 2.98       |
| ● 4-5353512-0 | 40        | Receptacle | 67K7608   | 5.40       |
| ● 6-5353159-0 | 60        | Receptacle | 67K7610   | 10.95      |
| ● 7-5353159-0 | 70        | Receptacle | 67K7612   | 10.81      |
| ● 8-5353159-0 | 80        | Receptacle | 67K7614   | 11.49      |
| ● 1565359-1   | 100       | Plug       | 45K1638   | 10.39      |

(79270)

### AMP 0.50mm FREE HEIGHT (FH) BOARD-TO-BOARD STACKING CONNECTORS FOR COM EXPRESS



**NEW**

- Current Rating: 0.5A
- Voltage Rating: 50 VAC
- Dielectric Withstanding Voltage: 200 VAC
- Durability: 30 cycles
- Operating Temperature: -40°C to +85°C

0.5mm Free Height is a two-piece connector system designed for parallel board-to-board stacking applications. The contact system is identical to our popular 0.6mm FH product. The 0.5mm FH product has been chosen by the PICMG COM Express working group as the interface between embedded modules and carrier cards. Stack Height(mm) = Receptacle Height + Plug Height - 4mm

#### BOARD STACKING HEIGHT COMBINATIONS

##### 220 POSITION

| Mfg. Part No. | Positions | Gender     | Height (mm) | Stock No. | Price Each |
|---------------|-----------|------------|-------------|-----------|------------|
|               |           |            |             |           | 1-4        |
| ● 3-1827253-6 | 220       | Plug       | 5           | 46M2606   | 12.78      |
| ● 3-6318491-6 | 220       | Plug       | 8           | 89K2151   | 14.87      |
| ● 3-1827233-6 | 440       | Plug       | 5           | 15M8205   | 34.23      |
| ● 3-5353652-6 | 440       | Plug       | 8           | 89K2152   | 23.97      |
| ● 3-6318490-6 | 220       | Receptacle | 4           | 18R0735   | 13.01      |
| ● 3-1827231-6 | 440       | Receptacle | 4           | 34M1957   | 37.08      |

(134465)

### AMP 0.8mm FREE HEIGHT (FH) CONNECTORS



- Voltage Rating: 100 VAC
- Current Rating: 0.5 A
- Contact Resistance: 30 milliohms max.
- Dielectric Withstanding Voltage: 500 VAC (1 minute)
- Operating Temperature: -40°C to +85°C
- PC Board to Board Stacking Connector
- Stack height formula (Rcpt H + Plug H) - 5 = Mated Stack height in mm



For parallel board-to-board SMT applications, high density packaging on 0.8mm (.031) pitch, 50% of the required board space compared to 1.25mm (.050) pitch product. Available in 40 to 200 position sizes in 20 position increments. Board stacking heights range from 5mm to 16mm in 1mm increments. 8µ" Gold contact mating area plating, Dual rows. Contact materials, receptacles-beryllium copper, plugs-brass.

| Mfg. Part No. | Positions | Gender     | Height (mm) | Stock No. | Price Each |
|---------------|-----------|------------|-------------|-----------|------------|
|               |           |            |             |           | 1-9        |
| ● 5177984-1   | 40        | Plug       | 5           | 42K7042   | ---        |
| ● 5177986-1   | 40        | Plug       | 5           | 42K7051   | 2.56       |
| ● 5179029-1   | 40        | Plug       | 6           | 73K1636   | 2.00       |
| ● 5179029-2   | 60        | Plug       | 6           | 42K7052   | 3.66       |
| ● 5179030-2   | 60        | Plug       | 7           | 73K1638   | 2.43       |
| ● 5177984-3   | 80        | Plug       | 5           | 42K7044   | 3.10       |
| ● 5179029-3   | 80        | Plug       | 6           | 73K1637   | ---        |
| ● 5179030-3   | 80        | Plug       | 7           | 73K1639   | 4.39       |
| ● 5179031-3   | 80        | Plug       | 8           | 42K7057   | 3.82       |
| ● 316229-3*   | 80        | Plug       | 12          | 13H1017   | 26.63      |
| ● 5179029-4   | 100       | Plug       | 6           | 42K7053   | 5.69       |
| ● 5179030-4   | 100       | Plug       | 7           | 42K7055   | 4.45       |
| ● 5179029-5   | 120       | Plug       | 6           | 42K7054   | 5.39       |
| ● 5179030-5   | 120       | Plug       | 7           | 73K1640   | 5.15       |
| ● 5177983-1   | 40        | Receptacle | 5           | 42K7036   | ---        |
| ● 5177983-2   | 60        | Receptacle | 5           | 42K7037   | ---        |
| ● 5-5179009-2 | 60        | Receptacle | 9           | 73K1623   | 3.48       |
| ● 5177985-3   | 80        | Receptacle | 5           | 42K7050   | 5.91       |
| ● 5-5179009-3 | 80        | Receptacle | 9           | 73K1624   | ---        |
| ● 5177983-4   | 100       | Receptacle | 5           | 42K7039   | 5.98       |
| ● 5177983-5   | 120       | Receptacle | 5           | 42K7040   | 6.84       |
| ● 5-5179009-5 | 120       | Receptacle | 9           | 42K8673   | 6.53       |

\* Right angle plug (79277)

## New products added daily

See the newest products, technologies and suppliers on our website.



(196560)



PC BOARD STACKING CONNECTORS

AMP 1.00mm FH (IEEE 1386) PC BOARD TO BOARD STACKING CONNECTORS



- Current Rating: 1.0A per contact
- Contact Resistance: 30 milliohms max.
- Durability: tested to 100 mating cycles min.

High density packaging on 1.0 [0.39] centerline spacing, available in standard 64-position and optional 84-position sizes, board stacking heights available from 8mm [315"] to 15mm [591"]. Tape and reel packaged per EIA standards, increased plastic clearance eliminates stress to solder joints during mating, improved locating posts ensure accurate hand or robotic placement. Contact material-phosphor bronze, housing material-thermoplastic, dual rows. Meets EIA-700 AAAB specifications for IEEE 1386 applications.

BOARD STACKING HEIGHT COMBINATIONS

64 POSITION

| Receptacle | Plug       | Combined Height (mm) |
|------------|------------|----------------------|
| 5120521-1  | 5120525-1  | 8mm                  |
| 5146893-1  | 5146897-1  | 8mm                  |
| 2007009-1  | 1-120532-1 | 8mm                  |
| 2007042-1  | 1-146897-1 | 8mm                  |
| 120521-1   | 120526-1   | 9mm                  |
| 2007009-1  | 1-120533-1 | 9mm                  |
| 2007042-1  | 1-146898-1 | 9mm                  |
| 5120521-1  | 5120527-1  | 10mm                 |
| 5146893-1  | 5146888-1  | 10mm                 |
| 2007009-1  | 1-120534-1 | 10mm                 |
| 2007042-1  | 1-146888-1 | 10mm                 |
| 120603-1   | 120526-1   | 11mm                 |
| 2007009-3  | 1-120533-1 | 11mm                 |
| 2007042-2  | 1-146898-1 | 11mm                 |
| 120603-1   | 120527-1   | 12mm                 |
| 2007009-3  | 1-120534-1 | 12mm                 |
| 2007042-2  | 1-146888-1 | 12mm                 |
| 120523-1   | 120527-1   | 13mm                 |
| 2007009-4  | 1-120534-1 | 13mm                 |
| 2007042-3  | 1-146888-1 | 13mm                 |
| 5120524-1  | 5120525-1  | 14mm                 |
| 2007009-5  | 1-120533-1 | 14mm                 |
| 2007042-4  | 1-146898-1 | 14mm                 |
| 5120524-1  | 5120527-1  | 15mm                 |
| 2007009-5  | 1-120534-1 | 15mm                 |
| 2007042-4  | 1-146888-1 | 15mm                 |

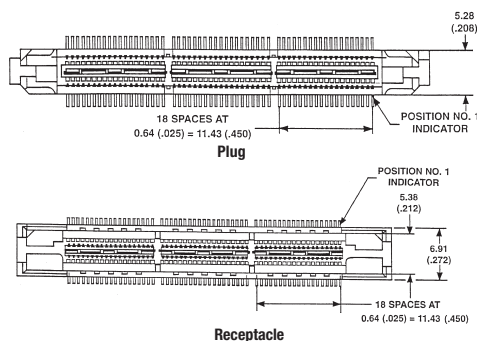
84 POSITION

| Receptacle | Plug       | Combined Height (mm) |
|------------|------------|----------------------|
| 2007009-2  | 1-120532-2 | 8mm                  |
| 2007009-2  | 1-120534-2 | 10mm                 |
| 120521-2   | 120527-2   | 10mm                 |
| 120603-2   | 120527-2   | 12mm                 |
| 120523-2   | 120527-2   | 13mm                 |
| 120524-2   | 120527-2   | 15mm                 |

| Mfg. Part No. | Positions | Gender     | Stock No. | Price Each |
|---------------|-----------|------------|-----------|------------|
|               |           |            |           | 1-24       |
| ● 5120521-1   | 64        | Receptacle | 42K6995   | 4.73       |
| ● 5120523-1   | 64        | Receptacle | 42K6996   | 6.34       |
| ● 5120524-1   | 64        | Receptacle | 42K6997   | 8.39       |
| ● 5146893-1   | 64        | Receptacle | 42K7028   | 2.72       |
| 2007009-1     | 64        | Receptacle | 73R4468   | 9.13       |
| 2007009-3     | 64        | Receptacle | 73R4469   | 7.31       |
| 2007009-4     | 64        | Receptacle | 73R4470   | 7.31       |
| 2007009-5     | 64        | Receptacle | 73R4471   | 10.47      |
| 2007042-1     | 64        | Receptacle | 48M4286   | 8.76       |
| 2007042-2     | 64        | Receptacle | 65R5002   | 10.57      |
| 2007042-3     | 64        | Receptacle | 73R4472   | 20.91      |
| 2007042-4     | 64        | Receptacle | 73R4473   | 17.32      |
| ● 5120525-1   | 64        | Plug       | 42K6998   | 7.08       |
| ● 5120527-1   | 64        | Plug       | 42K8675   | 6.68       |
| ● 5146888-1   | 64        | Plug       | 42K7027   | 7.21       |
| 1-120532-1    | 64        | Plug       | 16R8137   | ---        |
| 1-120533-1    | 64        | Plug       | 16R8138   | 8.12       |
| 1-120534-1    | 64        | Plug       | 14N2217   | 10.43      |
| 1-146888-1    | 64        | Plug       | 37M1301   | 14.95      |
| 1-146897-1    | 64        | Plug       | 16R8275   | 7.82       |
| 1-146898-1    | 64        | Plug       | 73R4467   | ---        |
| ● 5120521-2   | 84        | Receptacle | 73K1625   | 5.52       |
| 2007009-2     | 84        | Receptacle | 58M0049   | 11.38      |
| 1-120532-2    | 84        | Plug       | 73R4466   | 8.48       |
| 1-120534-2    | 84        | Plug       | 16R8140   | 24.29      |

(99278)

AMP MICTOR® FINE PITCH SMT STACKING CONNECTORS



- Level III Board-to-Board Connector
- High Density and Controlled Impedance
- Redundant Contact Design

0.025" (0.64mm) pitch vertical connectors are designed for 50-ohm systems. Housing: liquid crystal polymer (LCP), black. Contacts: beryllium copper. Ground bus: phosphor bronze. 0.430" (10.92mm) stacking height.

VERTICAL PLUGS

| Mfg. Part No. | Pos. | Stacked Height (mm) | Contact Finish | Stock No. | Price Each |       |         |
|---------------|------|---------------------|----------------|-----------|------------|-------|---------|
|               |      |                     |                |           | 1-24       | 25-99 | 100-499 |
| ● 5767003-9   | 38   | 11.00               | Gold           | 16M3377   | 16.44      | 15.99 | 13.76   |
| ● 5767017-1   | 38   | 22.86               | Gold           | 73K1690   | ---        | ---   | ---     |
| ● 5767007-8   | 38   | 6.60                | Gold           | 53K4499   | 14.80      | 13.32 | 11.47   |
| ● 5767123-9   | 76   | 11.00               | Gold           | 73K1705   | ---        | ---   | ---     |
| ● 5767017-2   | 76   | 22.86               | Gold           | 73K1691   | ---        | ---   | ---     |
| ● 5767007-9   | 76   | 6.60                | Gold           | 42K7551   | 32.16      | 28.89 | 26.39   |
| ● 1-5767003-1 | 114  | 11.00               | Gold           | 42K6554   | 37.59      | 34.08 | 32.62   |
| ● 5767042-3   | 114  | 18.75               | Gold           | 73K1693   | ---        | ---   | ---     |
| ● 1-5767007-0 | 114  | 6.60                | Gold           | 42K6557   | 44.22      | 40.08 | 36.76   |
| ● 5767003-8   | 152  | 11.00               | Gold           | 42K7550   | 62.82      | 55.06 | 52.47   |
| ● 1-5767005-1 | 152  | 12.57               | Gold           | 42K6556   | 72.24      | 63.31 | 60.34   |
| ● 1-5767007-1 | 152  | 6.60                | Gold           | 42K6558   | 67.98      | 61.61 | 56.51   |
| ● 5767042-5   | 190  | 18.75               | Gold           | 73K1694   | ---        | ---   | ---     |
| ● 1-5767007-2 | 190  | 6.60                | Gold           | 73K1607   | 75.09      | 65.82 | 62.73   |
| ● 1-5767003-3 | 228  | 11.00               | Gold           | 73K1605   | 97.66      | 88.51 | 81.18   |
| ● 5767087-6   | 228  | 11.00               | Gold           | 73K1702   | ---        | ---   | ---     |
| ● 1-5767005-3 | 228  | 12.57               | Gold           | 73K1606   | ---        | ---   | ---     |
| ● 1-5767007-3 | 228  | 6.60                | Gold           | 42K6559   | 97.66      | 88.51 | 81.18   |
| ● 5767056-6   | 228  | 6.60                | Gold           | 73K1699   | ---        | ---   | ---     |
| ● 5767056-7   | 266  | 6.60                | Gold           | 73K1700   | 99.88      | 99.88 | ---     |

RIGHT-ANGLE PLUGS

| Mfg. Part No. | Positions | Contact Finish | Stock No. | Price Each |       |       |
|---------------|-----------|----------------|-----------|------------|-------|-------|
|               |           |                |           | 1-4        | 5-9   | 10-24 |
| ● 5767039-4   | 152       | Gold           | 73K1692   | 84.57      | 77.38 | 71.88 |
| ● 5767006-5   | 190       | Gold           | 73K1688   | ---        | ---   | ---   |
| ● 5767006-6   | 228       | Gold           | 73K1689   | ---        | ---   | ---   |

VERTICAL RECEPTACLES

| Mfg. Part No. | Positions | Contact Finish | Stock No. | Price Each |       |       |
|---------------|-----------|----------------|-----------|------------|-------|-------|
|               |           |                |           | 1-24       | 25-49 | 50-99 |
| ● 5767054-1   | 38        | Gold           | 42K7552   | 13.52      | 12.95 | 11.95 |
| ● 5767061-1   | 38        | Gold           | 42K7554   | 13.29      | 12.95 | 11.95 |
| ● 2-5767004-2 | 38        | Gold           | 24K3655   | 9.24       | 8.40  | 7.98  |
| ● 5767054-2   | 76        | Gold           | 73K1696   | 20.99      | 20.99 | 19.59 |
| ● 5767061-6   | 76        | Gold           | 73K1701   | ---        | ---   | ---   |
| ● 2-5767004-3 | 76        | Gold           | 42K6829   | 25.64      | 24.57 | 23.03 |
| ● 5767054-3   | 114       | Gold           | 42K7553   | 40.62      | 39.35 | 36.82 |
| ● 2-5767004-4 | 114       | Gold           | 42K6830   | 37.69      | 36.08 | 33.83 |
| ● 5767054-4   | 152       | Gold           | 73K1697   | ---        | ---   | ---   |
| ● 2-5767004-5 | 152       | Gold           | 42K6831   | ---        | ---   | ---   |
| ● 2-5767004-6 | 190       | Gold           | 42K6832   | 57.66      | 55.86 | 52.26 |
| ● 5767054-6   | 228       | Gold           | 73K1698   | ---        | ---   | ---   |
| ● 2-5767004-7 | 228       | Gold           | 42K6833   | 67.69      | 65.57 | 61.34 |

EXTENDED HEIGHT VERTICAL RECEPTACLES

| Mfg. Part No. | Positions | Contact Finish | Stock No. | Price Each |       |       |
|---------------|-----------|----------------|-----------|------------|-------|-------|
|               |           |                |           | 1-4        | 5-9   | 10-24 |
| ● 5767095-2   | 76        | Gold           | 73K1704   | ---        | ---   | ---   |
| ● 5767130-4   | 152       | Gold           | 73K1706   | 79.84      | 73.06 | 67.87 |
| ● 5767130-6   | 228       | Gold           | 73K1707   | ---        | ---   | ---   |

➤ CONTINUED ➤

# PC BOARD STACKING CONNECTORS

## AMP MICTOR® FINE PITCH SMT STACKING CONNECTORS (CONT.)

### RIGHT-ANGLE RECEPTACLES

| Mfg. Part No. | Positions | Contact Finish | Stock No. | Price Each |       |       |
|---------------|-----------|----------------|-----------|------------|-------|-------|
|               |           |                |           | 1-4        | 5-9   | 10-24 |
| 767044-1      | 38        | Gold           | 91B2427   | 23.46      | 23.46 | 21.18 |
| ● 5767044-6   | 228       | Gold           | 73K1695   | ---        | ---   | ---   |
| ● 5767089-7   | 266       | Gold           | 73K1703   | ---        | ---   | ---   |

(61074)

### 0.5 mm PITCH BOARD-TO-BOARD CONNECTORS



- Contact Material: Copper alloy
- Insulator Material: Heat resistance plastic
- Operating Temperature Range: -25 to +85°C



Series 5046/5047/5087 are the Super Microleaf connector series, board to board, fine pitch and low-profile connector system that meets the need for high-density circuits in the market, and it is designed especially for portable equipment. The stack height between boards can range from 2.0mm to 7.0mm. ELCO's original design concept of receptacle contact achieves fine click feeling at mating and extremely high reliability in the connection of these super micro sized connectors. Designed for automatic mounting machine, packaged in tape and reel.

### 5046 SERIES, SMT BOARD-TO-BOARD CONNECTORS

| Mfg. Part No.      | Positions | Gender     | Mated Height (mm) | Stock No. | Price Each |
|--------------------|-----------|------------|-------------------|-----------|------------|
|                    |           |            |                   |           | 1-9        |
| ● 145046020630829+ | 20        | Plug       | 3.0               | 96M9259   | 1.19       |
| ● 145046020635829+ | 20        | Plug       | 3.5               | 96M9260   | 3.60       |
| ● 145046020640829+ | 20        | Plug       | 4.0               | 96M9261   | 3.62       |
| ● 145046020645829+ | 20        | Plug       | 4.5               | 96M9262   | 2.13       |
| ● 145046030630829+ | 30        | Plug       | 3.0               | 96M9263   | 1.59       |
| ● 145046030635829+ | 30        | Plug       | 3.5               | 96M9264   | 1.27       |
| ● 145046030640829+ | 30        | Plug       | 4.0               | 96M9265   | 2.49       |
| ● 145046030645829+ | 30        | Plug       | 4.5               | 96M9266   | 1.64       |
| ● 145046040630829+ | 40        | Plug       | 3.0               | 96M9267   | 3.12       |
| ● 145046040635829+ | 40        | Plug       | 3.5               | 96M9268   | 2.81       |
| ● 145046040640829+ | 40        | Plug       | 4.0               | 96M9269   | 2.81       |
| ● 145046040645829+ | 40        | Plug       | 4.5               | 96M9270   | 2.78       |
| ● 145046050630829+ | 50        | Plug       | 3.0               | 96M9271   | 2.78       |
| ● 145046050635829+ | 50        | Plug       | 3.5               | 96M9272   | 2.72       |
| ● 145046050640829+ | 50        | Plug       | 4.0               | 96M9273   | 3.09       |
| ● 145046050645829+ | 50        | Plug       | 4.5               | 96M9274   | 2.04       |
| ● 145046060630829+ | 60        | Plug       | 3.0               | 96M9275   | 2.92       |
| ● 145046060635829+ | 60        | Plug       | 3.5               | 96M9276   | 3.06       |
| ● 145046060640829+ | 60        | Plug       | 4.0               | 96M9277   | 3.37       |
| ● 145046060645829+ | 60        | Plug       | 4.5               | 96M9278   | 3.54       |
| ● 145046070630829+ | 70        | Plug       | 3.0               | 96M9279   | 2.44       |
| ● 145046070635829+ | 70        | Plug       | 3.5               | 96M9280   | 4.25       |
| ● 145046070640829+ | 70        | Plug       | 4.0               | 96M9281   | 4.11       |
| ● 145046070645829+ | 70        | Plug       | 4.5               | 96M9282   | 3.94       |
| ● 145046080630829+ | 80        | Plug       | 3.0               | 96M9283   | 3.40       |
| ● 145046080635829+ | 80        | Plug       | 3.5               | 96M9284   | 4.67       |
| ● 145046080640829+ | 80        | Plug       | 4.0               | 96M9285   | 4.19       |
| ● 145046080645829+ | 80        | Plug       | 4.5               | 96M9286   | 2.25       |
| ● 145046090630829+ | 90        | Plug       | 3.0               | 96M9287   | 2.50       |
| ● 145046090635829+ | 90        | Plug       | 3.5               | 96M9288   | 5.21       |
| ● 145046090640829+ | 90        | Plug       | 4.0               | 96M9289   | 4.98       |
| ● 145046090645829+ | 90        | Plug       | 4.5               | 96M9290   | 4.67       |
| ● 145046100630829+ | 100       | Plug       | 3.0               | 96M9291   | 4.84       |
| ● 145046100635829+ | 100       | Plug       | 3.5               | 96M9292   | 4.22       |
| ● 145046100640829+ | 100       | Plug       | 4.0               | 96M9293   | 5.38       |
| ● 145046100645829+ | 100       | Plug       | 4.5               | 96M9294   | 5.01       |
| ● 145046110630829+ | 110       | Plug       | 3.0               | 96M9295   | 5.21       |
| ● 145046110635829+ | 110       | Plug       | 3.5               | 96M9296   | 3.10       |
| ● 145046110640829+ | 110       | Plug       | 4.0               | 96M9297   | 5.81       |
| ● 145046110645829+ | 110       | Plug       | 4.5               | 96M9298   | 5.41       |
| ● 145046120630829+ | 120       | Plug       | 3.0               | 96M9299   | 5.13       |
| ● 145046120635829+ | 120       | Plug       | 3.5               | 96M9300   | 5.95       |
| ● 145046120640829+ | 120       | Plug       | 4.0               | 96M9301   | 3.08       |
| ● 145046120645829+ | 120       | Plug       | 4.5               | 03M4923   | 4.16       |
| ● 245046020600829+ | 20        | Receptacle | ...               | 96M9365   | 0.90       |
| ● 245046030600829+ | 30        | Receptacle | ...               | 96M9366   | 2.13       |
| ● 245046040600829+ | 40        | Receptacle | ...               | 96M9367   | 2.64       |
| ● 245046050600829+ | 50        | Receptacle | ...               | 96M9368   | 1.50       |
| ● 245046060600829+ | 60        | Receptacle | ...               | 96M9369   | 2.58       |
| ● 245046070600829+ | 70        | Receptacle | ...               | 96M9370   | 2.58       |
| ● 245046080600829+ | 80        | Receptacle | ...               | 96M9371   | 2.13       |
| ● 245046090600829+ | 90        | Receptacle | ...               | 96M9372   | 3.57       |
| ● 245046100600829+ | 100       | Receptacle | ...               | 96M9373   | 2.85       |

➔ CONTINUED ➔

## 0.5 mm PITCH BOARD-TO-BOARD CONNECTORS (CONT.)

| Mfg. Part No.      | Positions | Gender     | Mated Height (mm) | Stock No. | Price Each |
|--------------------|-----------|------------|-------------------|-----------|------------|
|                    |           |            |                   |           | 1-9        |
| ● 245046110600829+ | 110       | Receptacle | ...               | 96M9374   | 2.52       |
| ● 245046120600829+ | 120       | Receptacle | ...               | 96M9375   | 3.17       |

### 5047 SERIES, SMT BOARD-TO-BOARD CONNECTORS

|                    |     |            |     |         |      |
|--------------------|-----|------------|-----|---------|------|
| ● 145047020950856+ | 20  | Plug       | 5.0 | 96M9302 | ---  |
| ● 145047020970856+ | 20  | Plug       | 7.0 | 96M9303 | 1.38 |
| ● 145047030950856+ | 30  | Plug       | 5.0 | 96M9304 | ---  |
| ● 145047030970856+ | 30  | Plug       | 7.0 | 96M9305 | 2.60 |
| ● 145047040950856+ | 40  | Plug       | 5.0 | 96M9306 | ---  |
| ● 145047040970856+ | 40  | Plug       | 7.0 | 96M9307 | ---  |
| ● 145047050950856+ | 50  | Plug       | 5.0 | 96M9308 | ---  |
| ● 145047060950856+ | 60  | Plug       | 5.0 | 96M9310 | ---  |
| ● 145047060970856+ | 60  | Plug       | 7.0 | 96M9311 | 1.54 |
| ● 145047070950856+ | 70  | Plug       | 5.0 | 96M9312 | ---  |
| ● 145047070970856+ | 70  | Plug       | 7.0 | 96M9313 | 4.11 |
| ● 145047080950856+ | 80  | Plug       | 5.0 | 96M9314 | ---  |
| ● 145047080970856+ | 80  | Plug       | 7.0 | 96M9315 | ---  |
| ● 145047090950856+ | 90  | Plug       | 5.0 | 96M9316 | ---  |
| ● 145047090970856+ | 90  | Plug       | 7.0 | 96M9317 | ---  |
| ● 145047100950856+ | 100 | Plug       | 5.0 | 96M9318 | ---  |
| ● 145047100970856+ | 100 | Plug       | 7.0 | 96M9319 | ---  |
| ● 245047020400856+ | 20  | Receptacle | ... | 96M9376 | 1.57 |
| ● 245047030400856+ | 30  | Receptacle | ... | 96M9377 | ---  |
| ● 245047040400856+ | 40  | Receptacle | ... | 96M9378 | ---  |
| ● 245047050400856+ | 50  | Receptacle | ... | 96M9379 | ---  |
| ● 245047060400856+ | 60  | Receptacle | ... | 96M9380 | ---  |
| ● 245047070400856+ | 70  | Receptacle | ... | 96M9381 | ---  |
| ● 245047080400856+ | 80  | Receptacle | ... | 96M9382 | ---  |
| ● 245047090400856+ | 90  | Receptacle | ... | 96M9383 | ---  |
| ● 245047100400856+ | 100 | Receptacle | ... | 96M9384 | 3.29 |

### 5087 SERIES, SMT BOARD-TO-BOARD CONNECTORS

|                    |    |            |     |         |      |
|--------------------|----|------------|-----|---------|------|
| ● 145087010920829+ | 10 | Plug       | 2.0 | 78M4144 | 2.29 |
| ● 145087020920829+ | 20 | Plug       | 2.0 | 96M9337 | 3.10 |
| ● 145087020925829+ | 20 | Plug       | 2.5 | 96M9338 | 1.99 |
| ● 145087030920829+ | 30 | Plug       | 2.0 | 96M9339 | 1.86 |
| ● 145087030925829+ | 30 | Plug       | 2.5 | 96M9340 | ---  |
| ● 145087050920829+ | 50 | Plug       | 2.0 | 96M9341 | 3.80 |
| ● 145087050925829+ | 50 | Plug       | 2.5 | 96M9342 | ---  |
| ● 145087060920829+ | 60 | Plug       | 2.0 | 96M9343 | 4.18 |
| ● 145087060925829+ | 60 | Plug       | 2.5 | 78M4145 | 3.51 |
| ● 145087080920829+ | 80 | Plug       | 2.0 | 96M9344 | 9.00 |
| ● 245087010907829+ | 10 | Receptacle | ... | 96M9399 | 2.57 |
| ● 245087020907829+ | 20 | Receptacle | ... | 96M9400 | 1.92 |
| ● 245087030907829+ | 30 | Receptacle | ... | 96M9401 | 2.65 |
| ● 245087050907829+ | 50 | Receptacle | ... | 96M9402 | 4.09 |
| ● 245087060907829+ | 60 | Receptacle | ... | 96M9403 | 5.70 |
| ● 245087080907829+ | 80 | Receptacle | ... | 96M9404 | 9.41 |

(113835)

## 9258 SERIES ULTRA LOW PROFILE SOLO STACKER CONNECTORS



NEW



The SOLO series 9258 is a one-piece connector used to connect two PCBs in a cost effective manner. This connector is a 1.0mm pitch available in an 8 position with stack heights of 0.40mm and 0.80mm. It is available with or without location bosses. This connector is designed for PCB surface mounting and is supplied in tape and reel packaging. Gold plated pads on the mating PCB or suitable flex circuits provide connection between the boards.

| Mfg. Part No.   | Positions | Stack Height (mm) | Features   | Stock No. | Price Each |
|-----------------|-----------|-------------------|--|-----------|------------|
|                 |           |                   |  |           | 1-9        |
| 009258008004061 | 8         | 0.40              | With Mating PCB Location Bosses (top side)               | 11R8268   | 2.03       |
| 009258008004062 | 8         | 0.40              | Without PCB Location Bosses                              | 11R8269   | 2.03       |
| 009258008004063 | 8         | 0.40              | With SMT PCB Location Bosses (bottom side)               | 11R8270   | 2.03       |
| 009258008004064 | 8         | 0.40              | With SMT and Mating PCB Location Bosses (top and bottom) | 11R8271   | 2.03       |
| 009258008008061 | 8         | 0.80              | With Mating PCB Location Bosses (top side)               | 11R8272   | 2.03       |
| 009258008008062 | 8         | 0.80              | Without PCB Location Bosses                              | 11R8273   | 2.03       |

➔ CONTINUED ➔

PC BOARD STACKING CONNECTORS

9258 SERIES ULTRA LOW PROFILE SOLO STACKER CONNECTORS (CONT.)

| Mfg. Part No.   | Positions | Stack Height (mm) | Features   | Stock No. | Price Each |     |
|-----------------|-----------|-------------------|--|-----------|------------|-----|
|                 |           |                   |  |           | 1-9        | 1-9 |
| 009258008008063 | 8         | 0.80              | With SMT PCB Location Bosses (bottom side)               | 11R8274   | ---        | --- |
| 009258008008064 | 8         | 0.80              | With SMT and Mating PCB Location Bosses (top and bottom) | 11R8275   | 2.03       | --- |

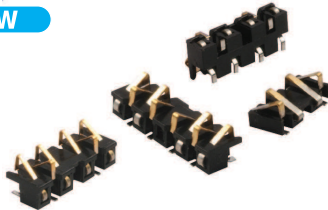
(150947)

9188 SERIES STAGGERED SOLO STACKER CONNECTORS



NEW

The SOLO series 9188 is a one-piece connector used to connect two PCBs in a cost effective manner. A standard range is available with 4, 6, 8 staggered contacts to suit stack heights of 1.1 mm to 2.1 mm. SOLO Stacker is designed for PCB surface mounting and is supplied in tape and reel packaging. Gold plated pads on the mating PCB or suitable flex circuits provide connection between the two boards.



| Mfg. Part No.   | Positions | Stack Height   | Stock No. | Price Each |     |
|-----------------|-----------|----------------|-----------|------------|-----|
|                 |           |                |           | 1-9        | 1-9 |
| 009188004012062 | 4         | 1.1mm to 1.3mm | 11R8265   | 1.44       | --- |
| 009188006020062 | 6         | 1.9mm to 2.1mm | 11R8266   | 1.71       | --- |
| 009188008020062 | 8         | 1.9mm to 2.1mm | 11R8267   | 1.89       | --- |

(150945)

MEG-ARRAY® CONNECTOR SYSTEM

NEW



The MEG-Array® connector is designed to meet the needs of 10Gb/s applications requiring up to 528 signal pins per connector. The combination of multiple stack heights (4mm to 14mm) and multiple sizes (81 signals to 528 signals) allows for optimal design flexibility while yielding less than 1% cross-talk performance when configured differentially.

MEG-ARRAY PLUGS

| Mfg. Part No. | Positions | Mating Height | Stock No. | Price Each |       |
|---------------|-----------|---------------|-----------|------------|-------|
|               |           |               |           | 1-24       | 25-99 |
| 84512-102LF   | 100       | 0 mm          | 20K6335   | 14.80      | 13.73 |
| 84500-002LF*  | 300       | 0 mm          | 20K6326   | 7.18       | 6.45  |
| 84500-102LF   | 300       | 0 mm          | 20K6327   | 13.86      | 12.08 |
| 84500-202LF** | 300       | 0 mm          | 20K6328   | 21.19      | 20.34 |
| 84520-102LF   | 400       | 6 mm          | 20K6346   | 18.47      | 19.09 |

MEG-ARRAY RECEPTACLES

|             |     |      |         |       |       |
|-------------|-----|------|---------|-------|-------|
| 84501-101LF | 300 | 4 mm | 20K6330 | 20.67 | 19.08 |
|-------------|-----|------|---------|-------|-------|

\* 15µ" Gold Plating; \*\* Telecom Plating that meets Telcordia GR-1217-CORE and NPS25298-2 Specs (134281)

GIG-ARRAY® CONNECTOR SYSTEM



The GIG-ARRAY® connector is designed to meet the needs of up to 10Gb/s applications requiring up to 296 signal pins per connector. FCI's long tradition as a BGA connector innovator assures expertise and reliability in the GIG-ARRAY® BGA design. The combination of multiple stack heights (15mm to 40mm) and multiple sizes (200 signals to 296 signals) utilizing a 100-Ohm differential matched impedance design allows for optimal design flexibility while yielding less than 1% cross-talk performance.

| Mfg. Part No.  | Positions | Gender     | Mating Height | Stock No. | Price Each |       |
|----------------|-----------|------------|---------------|-----------|------------|-------|
|                |           |            |               |           | 1-24       | 25-99 |
| 55737-001LF    | 200       | Plug       | 10 mm         | 06M1344   | 27.79      | 28.72 |
| 10060910-001LF | 200       | Plug       | 13 mm         | 06M0991   | 28.47      | 29.42 |
| 55739-001LF    | 200       | Plug       | 20 mm         | 06M1348   | 34.85      | 31.54 |
| 10081496-001LF | 200       | Receptacle | 11 mm         | 11N9899   | 26.12      | 22.52 |
| 55741-001LF    | 200       | Receptacle | 15 mm         | 06M1352   | 28.13      | 29.08 |
| 10081497-001LF | 296       | Receptacle | 11 mm         | 11N9901   | 34.43      | 31.16 |

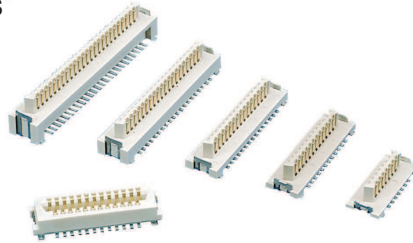
(134280)

Your peers value your opinion

Be sure to rate products online by clicking on review links on product detail pages.

(196525)

CONAN® 1.0mm PITCH MEZZANINE SMT CONNECTORS

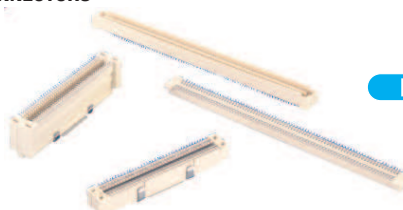


Rugged connector system well suited for the shock and vibration of portable electronics. Blade-on-beam contacts prevent stubbing when mating and allow peeling for un-mating. Audible "click" signals sure mating engagement. Polarization posts align connector to PCB. Insulators withstand infrared and vapor-phase reflow soldering temperatures. Gold flash over palladium nickel finish in the contact areas provides reliable electrical performance. 0.004" (0.1) lead coplanarity produces high-quality solder joints. Surface mount retainers increase mechanical strength after soldering. Polarized housings prevent mismatching. Molded lead-in assists blind mating during final assembly. UL recognized, CSA certified.

| Mfg. Part No. | Positions | Description | Mated Height | Pegs | Stock No. | Price Each |       |
|---------------|-----------|-------------|--------------|------|-----------|------------|-------|
|               |           |             |              |      |           | 1-24       | 25-99 |
| 91920-21169LF | 69        | Receptacle  | 4.15 mm      | No   | 84K7152   | ---        | ---   |
| 91930-21109LF | 9         | Receptacle  | 4.15 mm      | Yes  | 06M2815   | 1.94       | 1.77  |
| 91930-21111LF | 11        | Receptacle  | 4.15 mm      | Yes  | 06M2816   | 1.52       | 1.42  |
| 91930-21115LF | 15        | Receptacle  | 4.15 mm      | Yes  | 06M2817   | 2.30       | 2.10  |
| 91930-21121LF | 21        | Receptacle  | 4.15 mm      | Yes  | 06M2818   | 2.29       | 2.11  |
| 91930-21125LF | 25        | Receptacle  | 4.15 mm      | Yes  | 84K7156   | 2.30       | 2.30  |
| 91930-21131LF | 31        | Receptacle  | 4.15 mm      | Yes  | 06M2819   | 2.81       | 2.45  |
| 91930-21141LF | 41        | Receptacle  | 4.15 mm      | Yes  | 06M2820   | 3.20       | 3.20  |
| 91930-21151LF | 51        | Receptacle  | 4.15 mm      | Yes  | 84K7157   | 4.39       | 3.83  |
| 91930-21169LF | 69        | Receptacle  | 4.15 mm      | Yes  | 84K7158   | 4.25       | 4.01  |
| 91931-31121LF | 21        | Receptacle  | 4.15 mm      | Yes  | 93K5464   | 3.44       | 3.11  |
| 91931-31131LF | 31        | Receptacle  | 4.15 mm      | Yes  | 93K5465   | 5.78       | 5.23  |
| 91931-31141LF | 41        | Receptacle  | 4.15 mm      | Yes  | 93K5466   | 3.76       | 3.50  |
| 91931-31169LF | 69        | Receptacle  | 4.15 mm      | Yes  | 43K4513   | 4.52       | 4.27  |
| 91900-21115LF | 15        | Header      | 4.15 mm      | No   | 06M2626   | 1.97       | 1.79  |
| 91900-21125LF | 25        | Header      | 4.15 mm      | No   | 06M2628   | 2.21       | 2.05  |
| 91910-21109LF | 9         | Header      | 4.15 mm      | Yes  | 06M2712   | 1.69       | 1.56  |
| 91910-21111LF | 11        | Header      | 4.15 mm      | Yes  | 06M2713   | 1.66       | 1.51  |
| 91910-21115LF | 15        | Header      | 4.15 mm      | Yes  | 06M2714   | 1.73       | 1.61  |
| 91910-21121LF | 21        | Header      | 4.15 mm      | Yes  | 06M2715   | 2.05       | 1.89  |
| 91910-21125LF | 25        | Header      | 4.15 mm      | Yes  | 06M2716   | 2.25       | 2.08  |
| 91910-21131LF | 31        | Header      | 4.15 mm      | Yes  | 06M2717   | 2.57       | 2.24  |
| 91910-21141LF | 41        | Header      | 4.15 mm      | Yes  | 06M2718   | 3.02       | 2.57  |
| 91910-21151LF | 51        | Header      | 4.15 mm      | Yes  | 06M2719   | 3.82       | 3.33  |
| 91910-21169LF | 69        | Header      | 4.15 mm      | Yes  | 06M2720   | ---        | ---   |
| 91910-21441LF | 41        | Header      | 6.00 mm      | Yes  | 06M2743   | 2.63       | 2.63  |
| 91910-21509LF | 9         | Header      | 7.00 mm      | Yes  | 06M2746   | 1.75       | 1.75  |
| 91910-21511LF | 11        | Header      | 7.00 mm      | Yes  | 06M2747   | ---        | ---   |
| 91910-21515LF | 15        | Header      | 7.00 mm      | Yes  | 06M2748   | 2.09       | 1.91  |
| 91910-21521LF | 21        | Header      | 7.00 mm      | Yes  | 06M2749   | 1.77       | 1.77  |
| 91910-21525LF | 25        | Header      | 7.00 mm      | Yes  | 06M2750   | 2.01       | 1.86  |
| 91910-21531LF | 31        | Header      | 7.00 mm      | Yes  | 06M2751   | 2.57       | 2.24  |
| 91910-21541LF | 41        | Header      | 7.00 mm      | Yes  | 06M2752   | 2.63       | 2.63  |
| 91910-21551LF | 51        | Header      | 7.00 mm      | Yes  | 06M2753   | 3.82       | 3.33  |
| 91910-21569LF | 69        | Header      | 7.00 mm      | Yes  | 06M2754   | 3.83       | 3.44  |

(8450)

BERGSTAK® HIGH-DENSITY, 0.8mm PITCH MEZZANINE SMT CONNECTORS



NEW

FCI's compact BergStak® 0.8mm pitch connector series offers an extensive range of stack heights and circuit sizes to support a wide range of mezzanine, boardstacking applications. The available stack heights range from 5mm to 16mm in increments of 1mm. Options for wider board spacing can provide clearance for taller board-mounted components or increased air flow for cooling. Connector polarization at the mating interface and ample-lead-in angles produce easy, repeatable mating. All connectors in the BergStak® 0.8 product family feature a robust blade-on-beam contact design at the mating interface and surface-mount termination at the PCB interface. \* PCB Stack height = Receptacle height + Plug Height - 3.4mm

➔ CONTINUED ➔



PC BOARD STACKING CONNECTORS

BERGSTAK® HIGH-DENSITY, 0.8mm PITCH MEZZANINE SMT CONNECTORS (CONT.)

0.8mm BOARD-TO-BOARD RECEPTACLES

| Mfg. Part No.    | Positions | Housing Height | Stock No. | Price Each |       |
|------------------|-----------|----------------|-----------|------------|-------|
|                  |           |                |           | 1-49       | 50-99 |
| ● 61082-041400LF | 40        | 3.70 mm        | 02M8668   | 2.73       | 2.73  |
| ● 61082-041402LF | 40        | 3.70 mm        | 62K6460   | 2.75       | 2.75  |
| ● 61082-061402LF | 60        | 3.70 mm        | 53K1442   | 3.27       | 3.27  |
| ● 61082-081400LF | 80        | 3.70 mm        | 06M1466   | 3.82       | 3.71  |
| ● 61082-081402LF | 80        | 3.70 mm        | 06M1467   | 4.03       | 4.03  |
| ● 61082-101400LF | 100       | 3.70 mm        | 93K4726   | ---        | ---   |
| ● 61082-101402LF | 100       | 3.70 mm        | 43K4460   | 4.41       | 4.41  |
| ● 61082-121400LF | 120       | 3.70 mm        | 06M1482   | 4.27       | 4.27  |
| ● 61082-121402LF | 120       | 3.70 mm        | 01M3574   | 5.56       | 5.40  |
| ● 61082-141402LF | 140       | 3.70 mm        | 43K4462   | 5.18       | 4.85  |
| ● 61082-161400LF | 160       | 3.70 mm        | 72K2667   | ---        | ---   |
| ● 61082-201400LF | 200       | 3.70 mm        | 72K2675   | ---        | ---   |
| ● 61082-042402LF | 40        | 7.70 mm        | 62K6461   | 2.92       | 2.92  |
| ● 61082-062402LF | 60        | 7.70 mm        | 01M3573   | 3.64       | 3.42  |
| ● 61082-082602LF | 80        | 7.70 mm        | 06M1470   | 4.33       | 4.06  |
| ● 61082-082402LF | 80        | 7.70 mm        | 06M1469   | 4.32       | 4.32  |
| ● 61082-102402LF | 100       | 7.70 mm        | 43K4461   | 4.52       | 4.52  |
| ● 61082-142402LF | 140       | 7.70 mm        | 06M1491   | 4.89       | 4.89  |
| ● 61082-063402LF | 60        | 11.70 mm       | 43K4459   | 3.62       | 3.52  |

0.8mm BOARD-TO-BOARD PLUGS

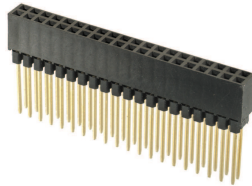
|                  |     |         |         |      |      |
|------------------|-----|---------|---------|------|------|
| ● 61083-041400LF | 40  | 4.70 mm | 06M1501 | 2.90 | 2.82 |
| ● 61083-041402LF | 40  | 4.70 mm | 06M1502 | 2.62 | 2.48 |
| ● 61083-081400LF | 80  | 4.70 mm | 06M1520 | 3.05 | 3.05 |
| ● 61083-081402LF | 80  | 4.70 mm | 62K6467 | 3.57 | 3.57 |
| ● 61083-101402LF | 100 | 4.70 mm | 62K6468 | 3.78 | 3.56 |
| ● 61083-121400LF | 120 | 4.70 mm | 75K2875 | ---  | ---  |
| ● 61083-141402LF | 140 | 4.70 mm | 06M1544 | 5.03 | 5.03 |
| ● 61083-161400LF | 160 | 4.70 mm | 75K2890 | ---  | ---  |
| ● 61083-201400LF | 200 | 4.70 mm | 72K2699 | ---  | ---  |
| ● 61083-042402LF | 40  | 5.70 mm | 43K4463 | 2.72 | 2.64 |
| ● 61083-062422LF | 60  | 5.70 mm | 72K2681 | ---  | ---  |
| ● 61083-082402LF | 80  | 5.70 mm | 06M1523 | 3.94 | 3.94 |
| ● 61083-082602LF | 80  | 5.70 mm | 06M1524 | 3.67 | 3.57 |
| ● 61083-102402LF | 100 | 5.70 mm | 43K4465 | 4.85 | 4.73 |
| ● 61083-063402LF | 60  | 6.70 mm | 06M1516 | 3.32 | 3.22 |
| ● 61083-083402LF | 80  | 6.70 mm | 06M1526 | 3.65 | 3.42 |
| ● 61083-123402LF | 120 | 6.70 mm | 72K2688 | 4.47 | 4.19 |
| ● 61083-044402LF | 40  | 7.70 mm | 06M1508 | 3.17 | 3.17 |
| ● 61083-084402LF | 80  | 7.70 mm | 06M1529 | 4.91 | 4.68 |
| ● 61083-084602LF | 80  | 7.70 mm | 06M1530 | 3.51 | 3.51 |
| ● 61083-104400LF | 100 | 7.70 mm | 93K4728 | 7.85 | 7.10 |
| ● 61083-124602LF | 120 | 7.70 mm | 06M1542 | 5.02 | 4.71 |

(116191)

PC/104 BUS CONNECTORS

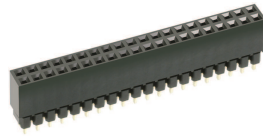


HARWIN



Stackthrough

- 32+32 way supports and 8-bit system
- 20+20 ways combined with 32+32 ways supports a 16-bit system
- Body material: Thermoplastic



Non-Stackthrough

- Contact finish: Gold
- Temperature range: -55°C to 105°C
- Current rating solder tail: 3 A
- Current rating press fit: 2 A

STACKTHROUGH — SOLDER TAIL

| Mfg. Part No. | Contacts | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-249      |  |
| ● M20-6102045 | 40       | 03M3402   | 3.42       |  |
| ● M20-6103245 | 64       | 03M3403   | 4.95       |  |

NON-STACKTHROUGH — SOLDER TAIL

|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M20-6112045 | 40 | 03M3404 | 3.06 |  |
| ● M20-6113245 | 64 | 84K7428 | 4.32 |  |

STACKTHROUGH — PRESS-FIT

|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M20-6152005 | 40 | 55K6973 | 8.76 |  |
| ● M20-6153205 | 64 | 84K2984 | 9.56 |  |

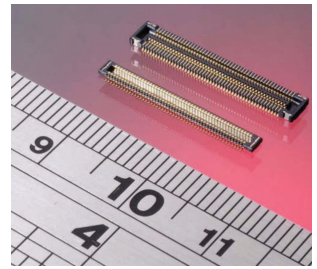
(90465)

0.40mm (0.016") SLIMSTACK™ SMT BOARD-TO-BOARD CONNECTORS

NEW



molex



SlimStack™ 0.40mm (.016") connector family includes stack heights as low as 0.70mm (.026") and widths as narrow as 2.60mm (.102"). Many SlimStack 0.40mm versions are interchangeable and footprint compatible, which enables various stack heights without having to change the PCB pattern. The unique features of these connectors include nickel-barrier plating to prevent solder-flux intrusion, friction locks for secure mating, a two-point contact design version for additional contact reliability, and a high mating-retention version to withstand shock and vibration applications. SlimStack 0.40mm full range of connectors include stack heights from 0.70mm (.028") to 4.00mm (.157") and range in size from 12- to 120-circuits.

503548 & 503552 SERIES - HIGH MATING RETENTION - 0.70mm (0.028") MATED HEIGHT

| Mfg. Part No. | Contacts | Gender     | Stock No. | Price Each |       |
|---------------|----------|------------|-----------|------------|-------|
|               |          |            |           | 1-9        | 10-24 |
| ● 503548-0620 | 6        | Receptacle | 29T5821   | 0.63       | 0.56  |
| ● 503548-1220 | 12       | Receptacle | 29T5822   | 0.67       | 0.58  |
| ● 503548-1620 | 16       | Receptacle | 99R5668   | 0.73       | 0.64  |
| ● 503552-0620 | 6        | Plug       | 29T5823   | 0.68       | 0.61  |
| ● 503552-1220 | 12       | Plug       | 29T5824   | 0.76       | 0.67  |
| ● 503552-1620 | 16       | Plug       | 99R5670   | 0.82       | 0.74  |

501591 & 501594 SERIES - SOLDER TABS, J-LEAD TAILS - 0.90mm (0.035") MATED HEIGHT

|               |    |            |         |     |     |
|---------------|----|------------|---------|-----|-----|
| ● 501591-2411 | 24 | Receptacle | 98P0522 | --- | --- |
| ● 501594-2411 | 24 | Plug       | 98P0523 | --- | --- |

502426 & 502430 SERIES - SOLDER TABS - 1.00mm (0.039") MATED HEIGHT

|               |    |            |         |      |      |
|---------------|----|------------|---------|------|------|
| ● 502426-2010 | 20 | Receptacle | 56R1275 | 1.08 | 0.99 |
| ● 502426-2610 | 26 | Receptacle | 56R1278 | 1.17 | 1.08 |
| ● 502426-3210 | 32 | Receptacle | 56R1280 | 1.18 | 1.18 |
| ● 502426-4010 | 40 | Receptacle | 98P0526 | ---  | ---  |
| ● 502426-5010 | 50 | Receptacle | 46P5457 | 1.95 | 1.80 |
| ● 502426-6010 | 60 | Receptacle | 98P0527 | ---  | ---  |
| ● 502426-6410 | 64 | Receptacle | 56R1281 | ---  | ---  |
| ● 502426-8010 | 80 | Receptacle | 56R1283 | 2.15 | 1.99 |
| ● 502430-2010 | 20 | Header     | 56R1285 | 0.55 | 0.55 |
| ● 502430-2610 | 26 | Header     | 56R1289 | 0.76 | 0.69 |
| ● 502430-3210 | 32 | Header     | 56R1290 | 0.81 | 0.81 |
| ● 502430-4010 | 40 | Header     | 98P0528 | ---  | ---  |
| ● 502430-5010 | 50 | Header     | 46P5460 | 1.43 | 1.32 |
| ● 502430-6010 | 60 | Header     | 98P0529 | ---  | ---  |
| ● 502430-6410 | 64 | Header     | 56R1291 | 1.54 | 1.54 |
| ● 502430-8010 | 80 | Header     | 56R1293 | 2.29 | 2.09 |

501527 & 501531 SERIES - SOLDER TABS, J-LEAD TAILS - 1.30mm (0.051") MATED HEIGHT

|               |    |            |         |     |     |
|---------------|----|------------|---------|-----|-----|
| ● 501527-0530 | 50 | Receptacle | 98P0520 | --- | --- |
| ● 501531-0510 | 50 | Plug       | 98P0521 | --- | --- |

51338 SERIES - SOLDER TABS, J-LEAD TAILS - 1.50mm (0.059") MATED HEIGHT

|              |    |            |         |     |     |
|--------------|----|------------|---------|-----|-----|
| ● 51338-2274 | 22 | Receptacle | 98P0532 | --- | --- |
|--------------|----|------------|---------|-----|-----|

501635 & 501639 SERIES - SOLDER TABS, J-LEAD TAILS - 1.70mm (0.067") MATED HEIGHT

|               |    |            |         |     |     |
|---------------|----|------------|---------|-----|-----|
| ● 501635-0410 | 40 | Receptacle | 98P0524 | --- | --- |
| ● 501639-0410 | 40 | Plug       | 98P0525 | --- | --- |

55394 SERIES - 3.20mm (0.126") MATED HEIGHT

|              |    |      |         |     |     |
|--------------|----|------|---------|-----|-----|
| ● 55394-8070 | 80 | Plug | 59J0865 | --- | --- |
|--------------|----|------|---------|-----|-----|

54477 SERIES - WITH PEGS - 4.00mm (0.157") MATED HEIGHT

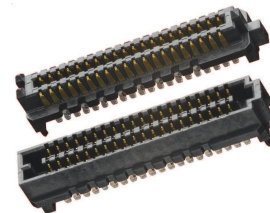
|              |     |            |         |     |     |
|--------------|-----|------------|---------|-----|-----|
| ● 54477-1208 | 120 | Receptacle | 97C8988 | --- | --- |
|--------------|-----|------------|---------|-----|-----|

(138212)

1.27mm (0.050") X 1.27mm (0.050") SEARAY BOARD-TO-BOARD PLUGS AND RECEPTACLES



molex



- Current Rating: 1A
- Voltage Rating: 240V AC
- Operating Temperature Range: -55°C to 125°C

45970 SERIES SEARAY PLUGS

| Mfg. Part No. | Circuits | Unmated Height (mm) | Rows | Stock No. | Price Each |  |
|---------------|----------|---------------------|------|-----------|------------|--|
|               |          |                     |      |           | 1-9        |  |
| ● 45970-3185  | 240      | 2.0                 | 8    | 92P7442   | ---        |  |
| ● 45970-4185  | 320      | 2.0                 | 8    | 92P7446   | 19.48      |  |
| ● 45970-3115  | 300      | 2.0                 | 10   | 92P7441   | 15.81      |  |
| ● 45970-4115  | 400      | 2.0                 | 10   | 92P7445   | 29.34      |  |

CONTINUED

PC BOARD STACKING CONNECTORS

1.27mm (0.050") X 1.27mm (0.050") SEARAY BOARD-TO-BOARD PLUGS AND RECEPTACLES (CONT.)

| Mfg. Part No. | Circuits | Unmated Height (mm) | Rows | Stock No. | Price Each |
|---------------|----------|---------------------|------|-----------|------------|
|               |          |                     |      |           | 1-9        |
| ● 45970-0361  | 114      | 3.5                 | 6    | 92P7438   | ---        |
| ● 45970-3385  | 240      | 3.5                 | 8    | 92P7443   | ---        |
| ● 45970-4385  | 320      | 3.5                 | 8    | 92P7447   | 20.65      |
| ● 45970-2715  | 200      | 7.0                 | 10   | 92P7440   | ---        |
| ● 45970-3715  | 300      | 7.0                 | 10   | 92P7444   | ---        |
| ● 45970-4715  | 400      | 7.0                 | 10   | 92P7448   | ---        |
| ● 45970-5715  | 500      | 7.0                 | 10   | 92P7450   | 72.90      |

45971 SERIES SEARAY RECEPTACLES

|              |     |     |    |         |       |
|--------------|-----|-----|----|---------|-------|
| ● 45971-3185 | 240 | 5.0 | 8  | 92P7456 | 37.92 |
| ● 45971-4185 | 320 | 5.0 | 8  | 92P7460 | 22.48 |
| ● 45971-2115 | 200 | 5.0 | 10 | 92P7453 | ---   |
| ● 45971-3115 | 300 | 5.0 | 10 | 92P7455 | 22.75 |
| ● 45971-4115 | 400 | 5.0 | 10 | 92P7459 | 22.33 |
| ● 45971-5115 | 500 | 5.0 | 10 | 92P7463 | 31.24 |
| ● 45971-3385 | 240 | 6.5 | 8  | 92P7457 | ---   |
| ● 45971-4385 | 320 | 6.5 | 8  | 92P7461 | 31.68 |
| ● 45971-2515 | 200 | 8.0 | 10 | 92P7454 | ---   |
| ● 45971-3515 | 300 | 8.0 | 10 | 92P7458 | ---   |
| ● 45971-4515 | 400 | 8.0 | 10 | 92P7462 | ---   |
| ● 45971-5515 | 500 | 8.0 | 10 | 92P7464 | ---   |

46556 SERIES SEARAY SLIM PLUGS

|              |     |     |   |         |       |
|--------------|-----|-----|---|---------|-------|
| ● 46556-1145 | 40  | 2.0 | 4 | 92P7465 | 8.62  |
| ● 46556-2145 | 80  | 2.0 | 4 | 92P7467 | ---   |
| ● 46556-3145 | 120 | 2.0 | 4 | 92P7469 | ---   |
| ● 46556-4145 | 160 | 2.0 | 4 | 92P7471 | 14.36 |
| ● 46556-1745 | 40  | 7.0 | 4 | 92P7466 | 10.25 |
| ● 46556-2745 | 80  | 7.0 | 4 | 92P7468 | 7.70  |
| ● 46556-3745 | 120 | 7.0 | 4 | 92P7470 | ---   |
| ● 46556-4745 | 160 | 7.0 | 4 | 92P7472 | ---   |
| ● 46556-5745 | 200 | 7.0 | 4 | 92P7474 | ---   |

46557 SERIES SEARAY SLIM RECEPTACLES

|              |     |     |   |         |       |
|--------------|-----|-----|---|---------|-------|
| ● 46557-1145 | 40  | 5.0 | 4 | 92P7475 | 8.62  |
| ● 46557-2145 | 80  | 5.0 | 4 | 92P7477 | 10.36 |
| ● 46557-3145 | 120 | 5.0 | 4 | 92P7479 | ---   |
| ● 46557-4145 | 160 | 5.0 | 4 | 92P7481 | 36.47 |
| ● 46557-5145 | 200 | 5.0 | 4 | 92P7483 | 15.81 |
| ● 46557-2545 | 80  | 8.0 | 4 | 92P7478 | ---   |
| ● 46557-3545 | 120 | 8.0 | 4 | 92P7480 | 11.81 |
| ● 46557-4545 | 160 | 8.0 | 4 | 92P7482 | 14.36 |
| ● 46557-5545 | 200 | 8.0 | 4 | 92P7484 | ---   |

(146392)

PLATEAU HS MEZZANINE, SEARAY, SEARAY SLIM CONNECTOR KIT

- Circuit size: 18, 48, 200, 300, 400
- Current rating: 1.5A, 2.7A
- Voltage rating: 240V, 30V
- Orientation: Plugs, vertical receptacles
- Wire gauge (AWG): 22-28, 24-30
- Solution: High speed 10Gbps
- Pitch: 1.20mm (0.047"), 1.27mm (0.050") by 1.27mm (0.050")
- Mounting style: PCB through hole, SMT
- Assorted stack heights from 4.5mm - 17mm



**molex**



| Molex Part No. | Quantity | Description   |
|----------------|----------|---|
| 75005-0104     | 1        | 1.2mm (0.047") Pitch Plateau HS Mezz Receptacle, 48 circuits  |
| 75003-0110     | 1        | 1.2mm (0.047") Pitch Plateau HS Mezz Plug, 48 circuits, 13.25mm (0.522") Unmated Height   |
| 46557-4345     | 1        | 1.27mm (0.050") by 1.27mm (0.050") Pitch, SEARAY Slim 4 Row Receptacle, 160 circuits, 6.50 (0.255") Unmated Height, with Pegs     |
| 46556-4145     | 1        | 1.27mm (0.050") by 1.27mm (0.050") Pitch, SEARAY Slim 4 Row Plug, 160 circuits, 2.00mm (0.078") Unmated Height, 4 Rows, with Pegs |
| 45971-3111     | 1        | 1.27mm (0.050") by 1.27mm (0.050") Pitch, SEARAY Receptacle, 300 circuits, H= 5.05mm (0.199") Unmated Height, 10 Rows             |
| 45970-3211     | 1        | 1.27mm (0.050") by 1.27mm (0.050") Pitch, SEARAY Plug, 300 circuits, 2.85mm (0.112") Unmated Height, 10 Rows                      |

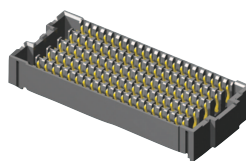
| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| 76650-0232    | 51R1656   | ---        |

(163719)

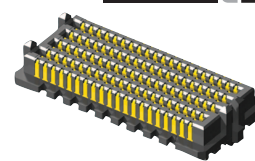
SEAF AND SEAM SERIES OPEN PIN FIELD ARRAYS



**samtec**



SEAF Pin Array



SEAM Pin Array

Open pin field arrays feature black liquid crystal polymer housings with gold plated copper alloy contacts. Current rating: 2.7A, Contact Resistance: 5.5 mΩ, Operating temperature range -55°C to +125°C. Supports Fibre Channel, Rapid I/O, PCI Express®, SATA, and Infiniband protocols.

| SEAM / SEAF           | SEAF-XX-05.0-S-XX-2-A Combined Stacking Height | SEAF-XX-06.5-S-XX-2-A Combined Stacking Height |
|-----------------------|--|--|
| SEAM-XX-02.0-S-XX-2-A | 7.0 mm   | 8.5 mm   |
| SEAM-XX-03.5-S-XX-2-A | 8.5 mm   | 10.0 mm  |

SEAF SERIES HIGH SPEED PIN ARRAYS

| Mfg. Part No.           | Positions | Stock No. | Price Each |       |
|-------------------------|-----------|-----------|------------|-------|
|                         |           |           | 1-9        | 10-99 |
| ● SEAF-20-05.0-S-08-2-A | 160       | 11P6451   | ---        | ---   |
| ● SEAF-20-05.0-S-10-2-A | 200       | 11P6452   | ---        | ---   |
| ● SEAF-30-05.0-S-08-2-A | 240       | 11P6455   | ---        | ---   |
| ● SEAF-30-05.0-S-10-2-A | 300       | 11P6456   | ---        | ---   |
| ● SEAF-40-05.0-S-08-2-A | 320       | 11P6459   | ---        | ---   |
| ● SEAF-40-05.0-S-10-2-A | 400       | 11P6460   | ---        | ---   |
| ● SEAF-50-05.0-S-08-2-A | 400       | 11P6463   | ---        | ---   |
| ● SEAF-50-05.0-S-10-2-A | 500       | 11P6464   | ---        | ---   |
| ● SEAF-20-06.5-S-08-2-A | 160       | 11P6453   | ---        | ---   |
| ● SEAF-20-06.5-S-10-2-A | 200       | 11P6454   | ---        | ---   |
| ● SEAF-30-06.5-S-08-2-A | 240       | 11P6457   | ---        | ---   |
| ● SEAF-30-06.5-S-10-2-A | 300       | 11P6458   | ---        | ---   |
| ● SEAF-40-06.5-S-08-2-A | 320       | 11P6461   | ---        | ---   |
| ● SEAF-40-06.5-S-10-2-A | 400       | 11P6462   | ---        | ---   |
| ● SEAF-50-06.5-S-08-2-A | 400       | 11P6465   | ---        | ---   |
| ● SEAF-50-06.5-S-10-2-A | 500       | 11P6466   | ---        | ---   |

SEAM SERIES HIGH SPEED PIN ARRAYS

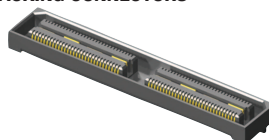
|                         |     |         |     |     |
|-------------------------|-----|---------|-----|-----|
| ● SEAM-20-02.0-S-08-2-A | 160 | 11P6467 | --- | --- |
| ● SEAM-20-02.0-S-10-2-A | 200 | 11P6468 | --- | --- |
| ● SEAM-30-02.0-S-08-2-A | 240 | 11P6471 | --- | --- |
| ● SEAM-30-02.0-S-10-2-A | 300 | 11P6472 | --- | --- |
| ● SEAM-40-02.0-S-08-2-A | 320 | 11P6475 | --- | --- |
| ● SEAM-50-02.0-S-08-2-A | 400 | 11P6479 | --- | --- |
| ● SEAM-50-02.0-S-10-2-A | 500 | 11P6480 | --- | --- |
| ● SEAM-20-03.5-S-08-2-A | 160 | 11P6469 | --- | --- |
| ● SEAM-20-03.5-S-10-2-A | 200 | 11P6470 | --- | --- |
| ● SEAM-30-03.5-S-08-2-A | 240 | 11P6473 | --- | --- |
| ● SEAM-30-03.5-S-10-2-A | 300 | 11P6474 | --- | --- |
| ● SEAM-40-03.5-S-08-2-A | 320 | 11P6477 | --- | --- |
| ● SEAM-40-03.5-S-10-2-A | 400 | 11P6478 | --- | --- |
| ● SEAM-50-03.5-S-08-2-A | 400 | 11P6481 | --- | --- |
| ● SEAM-50-03.5-S-10-2-A | 500 | 11P6482 | --- | --- |

(138047)

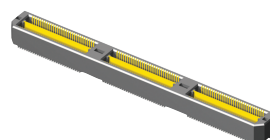
0.50mm (0.020") QSH AND QTH SERIES HIGH SPEED STACKING CONNECTORS



**samtec**



QSH Receptacle



QTH Header

High speed surface mount headers and receptacles feature black liquid crystal polymer housing with gold plated phosphor bronze contacts. Current rating: 1A @ 30°C, Ground Plane 7.8A @ 30°C. Operating temperature range -55°C to +125°C. Rated 100 mating cycles and 225 VA when mated with 5mm stack height. Supports Hypertransport, XAUI, PCI Express®, SATA, and Infiniband protocols.

| Receptacle       | Header           | Combined Height (mm) |
|------------------|------------------|----------------------|
| QSH-XXX-01-L-D-A | QTH-XXX-01-L-D-A | 5.00mm (0.198")      |
| QSH-XXX-01-L-D-A | QTH-XXX-02-L-D-A | 8.00mm (0.315")      |
| QSH-XXX-01-L-D-A | QTH-XXX-03-L-D-A | 11.00mm (0.433")     |
| QSH-XXX-01-L-D-A | QTH-XXX-04-L-D-A | 16.00mm (0.630")     |

➔ CONTINUED ➔

PC BOARD STACKING CONNECTORS • DIN 41612 CONNECTORS

0.50mm (0.020") QSH AND QTH SERIES HIGH SPEED STACKING CONNECTORS (CONT.)

QSH SERIES HIGH SPEED RECEPTACLES

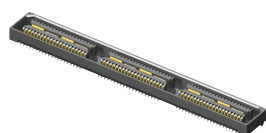
| Mfg. Part No.      | Positions | Stock No. | Price Each |       |
|--------------------|-----------|-----------|------------|-------|
|                    |           |           | 1-9        | 10-99 |
| ● QSH-030-01-L-D-A | 60        | 19M9181   | 10.49      | 9.36  |
| ● QSH-060-01-L-D-A | 120       | 81H3791   | 9.40       | 8.86  |
| ● QSH-090-01-L-D-A | 180       | 11P6087   | 12.02      | 12.20 |
| ● QSH-120-01-L-D-A | 240       | 11P6088   | 15.67      | 14.77 |
| ● QSH-150-01-L-D-A | 300       | 11P6089   | 22.38      | 22.38 |

QTH SERIES HIGH SPEED HEADERS

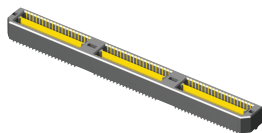
|                    |     |         |       |       |
|--------------------|-----|---------|-------|-------|
| ● QTH-030-01-L-D-A | 60  | 65K8660 | 9.94  | 8.78  |
| ● QTH-060-01-L-D-A | 120 | 11P6110 | 9.59  | 9.05  |
| ● QTH-090-01-L-D-A | 180 | 64M1417 | 13.18 | 12.43 |
| ● QTH-120-01-L-D-A | 240 | 11P6115 | 15.98 | 15.08 |
| ● QTH-150-01-L-D-A | 300 | 11P6119 | 18.06 | 18.06 |
| ● QTH-030-02-L-D-A | 60  | 11P6108 | 11.02 | 9.83  |
| ● QTH-060-02-L-D-A | 120 | 11P6111 | 9.87  | 9.31  |
| ● QTH-090-02-L-D-A | 180 | 11P6112 | ---   | ---   |
| ● QTH-120-02-L-D-A | 240 | 11P6116 | 16.45 | 15.51 |
| ● QTH-150-02-L-D-A | 300 | 11P6120 | 23.50 | 23.50 |
| ● QTH-030-03-L-D-A | 60  | 11P6109 | ---   | ---   |
| ● QTH-060-03-L-D-A | 120 | 31M8936 | 14.70 | 14.92 |
| ● QTH-090-03-L-D-A | 180 | 11P6113 | ---   | ---   |
| ● QTH-120-03-L-D-A | 240 | 11P6117 | ---   | ---   |
| ● QTH-150-03-L-D-A | 300 | 11P6121 | 37.66 | 37.66 |
| ● QTH-030-04-L-D-A | 60  | 74M8191 | ---   | ---   |
| ● QTH-060-04-L-D-A | 120 | 32M0063 | 16.35 | 15.42 |
| ● QTH-090-04-L-D-A | 180 | 11P6114 | ---   | ---   |
| ● QTH-120-04-L-D-A | 240 | 11P6118 | 31.12 | 31.12 |
| ● QTH-150-04-L-D-A | 300 | 11P6122 | ---   | ---   |

(136045)

0.80mm (0.032") QSE AND QTE SERIES HIGH SPEED STACKING CONNECTORS



QSE Receptacle



QTE Header

High speed surface mount headers and receptacles feature black liquid crystal polymer housing with gold plated phosphor bronze contacts. Current rating: 2A @ 80°C Ground Plane 9.5A @ 80°C. Operating temperature range -55°C to +125°C. Rated 100 mating cycles and 225 VA when mated with 5mm stack height QSE. Supports XAUI, PCI Express<sup>®</sup>, SATA, MGT (Rocket I/O), and Infiniband protocols.

| Receptacle       | Header           | Combined Height (mm) |
|------------------|------------------|----------------------|
| QSE-XXX-01-L-D-A | QTE-XXX-01-L-D-A | 5.00mm (0.198")      |
| QSE-XXX-01-L-D-A | QTE-XXX-02-L-D-A | 8.00mm (0.315")      |
| QSE-XXX-01-L-D-A | QTE-XXX-03-L-D-A | 11.00mm (0.433")     |
| QSE-XXX-01-L-D-A | QTE-XXX-04-L-D-A | 16.00mm (0.630")     |

QSE SERIES HIGH SPEED RECEPTACLES

| Mfg. Part No.      | Positions | Stock No. | Price Each |       |
|--------------------|-----------|-----------|------------|-------|
|                    |           |           | 1-9        | 10-99 |
| ● QSE-020-01-L-D-A | 40        | 54K4182   | 7.01       | 6.25  |
| ● QSE-040-01-L-D-A | 80        | 11P6084   | 9.99       | 8.92  |
| ● QSE-060-01-L-D-A | 120       | 80K8259   | 9.40       | 8.86  |
| ● QSE-080-01-L-D-A | 160       | 11P6085   | 11.50      | 10.84 |
| ● QSE-100-01-L-D-A | 200       | 11P6086   | 13.06      | 12.31 |

QTE SERIES HIGH SPEED HEADERS

|                    |     |         |       |       |
|--------------------|-----|---------|-------|-------|
| ● QTE-020-01-L-D-A | 40  | 54K4181 | 7.15  | 6.37  |
| ● QTE-040-01-L-D-A | 80  | 11P6093 | 10.20 | 9.10  |
| ● QTE-060-01-L-D-A | 120 | 80K8247 | ---   | ---   |
| ● QTE-080-01-L-D-A | 160 | 11P6100 | ---   | ---   |
| ● QTE-100-01-L-D-A | 200 | 11P6104 | 13.32 | 12.57 |
| ● QTE-020-02-L-D-A | 40  | 11P6090 | 5.57  | 4.92  |
| ● QTE-040-02-L-D-A | 80  | 11P6094 | ---   | ---   |
| ● QTE-060-02-L-D-A | 120 | 11P6097 | 8.19  | 9.31  |
| ● QTE-080-02-L-D-A | 160 | 11P6101 | 12.06 | 11.37 |
| ● QTE-100-02-L-D-A | 200 | 11P6105 | 13.71 | 12.92 |
| ● QTE-020-03-L-D-A | 40  | 11P6091 | 7.57  | 6.68  |
| ● QTE-040-03-L-D-A | 80  | 11P6095 | ---   | ---   |
| ● QTE-060-03-L-D-A | 120 | 11P6098 | 9.93  | 11.29 |
| ● QTE-080-03-L-D-A | 160 | 11P6102 | 14.62 | 13.78 |
| ● QTE-100-03-L-D-A | 200 | 11P6106 | 16.61 | 15.66 |
| ● QTE-020-04-L-D-A | 40  | 11P6092 | 9.54  | 9.00  |

➔ CONTINUED ➔

0.80mm (0.032") QSE AND QTE SERIES HIGH SPEED STACKING CONNECTORS (CONT.)

QTE SERIES HIGH SPEED HEADERS

| Mfg. Part No.      | Positions | Stock No. | Price Each |       |
|--------------------|-----------|-----------|------------|-------|
|                    |           |           | 1-9        | 10-99 |
| ● QTE-040-04-L-D-A | 80        | 11P6096   | ---        | ---   |
| ● QTE-060-04-L-D-A | 120       | 11P6099   | 13.57      | 15.42 |
| ● QTE-080-04-L-D-A | 160       | 11P6103   | ---        | ---   |
| ● QTE-100-04-L-D-A | 200       | 11P6107   | 25.94      | 25.94 |

(136042)

AMP EUROCARD TYPE C RIGHT-ANGLE PIN AND VERTICAL RECEPTACLE ASSEMBLIES



- 0.100" x 0.100" (2.54 x 2.54) Pin and Receptacle Connector Assemblies
- Meet DIN 41612 (Level II) and IEC 603-2 Requirements
- Type C Vertical Assemblies Feature Solderless, Press-Fit Action Pin<sup>®</sup>
- Voltage Rating: 250VAC
- Dielectric Rating: 1000VAC
- Temperature Rating: -55°C to +125°C
- UL Recognized, CSA Certified



Type C right-angle pin assemblies feature brass solder posts with or without brass boardlocks. Easily installed with seating tools, ordered separately. Flame retardant, grey polyester polarized housings, rated UL94V-0. Interchangeable with Type R assemblies, ordered separately on page 731.

TYPE C RIGHT-ANGLE PIN ASSEMBLIES, SOLDER POST - STANDARD DIN SIZE

| Mfg. Part No. | DIN Level | Positions | Post Lgth. (Inches) | Length (Inches) | Stock No. | Price Each 1-49 |
|---------------|-----------|-----------|---------------------|-----------------|-----------|-----------------|
| ● 5650945-5   | II        | 64        | 0.104               | 3.700           | 42K7363   | 3.52            |
| ● 5650951-5   | II        | 64        | 0.130               | 3.700           | 42K7365   | 3.92            |
| ● 5650473-5†  | II        | 96        | 0.104               | 3.700           | 42K7349   | 4.40            |
| ● 5650913-5*  | II        | 96        | 0.104               | 3.700           | 42K7358   | 3.93            |
| ● 5536010-5   | II        | 96        | 0.104               | 3.700           | 42K7263   | 4.38            |
| 536416-5      | II        | 96        | 0.104               | 3.700           | 52F5439   | 6.49            |
| ● 5536416-5   | II        | 96        | 0.104               | 3.700           | 42K7275   | 6.92            |
| ● 5650947-5   | II        | 96        | 0.130               | 3.700           | 42K7364   | 2.80            |
| ● 5536405-5   | II        | 96        | 0.130               | 3.700           | 19R2609   | 4.50            |
| ● 5148116-5   | II        | 96        | 0.180               | 3.700           | 03M3063   | 4.41            |

TYPE C RIGHT-ANGLE PIN ASSEMBLIES, SOLDER POST - HALF DIN SIZE

|              |    |    |       |       |         |      |
|--------------|----|----|-------|-------|---------|------|
| ● 5650478-5  | II | 48 | 0.104 | 2.100 | 42K7350 | 3.19 |
| ● 5650916-5* | II | 48 | 0.104 | 2.100 | 42K7359 | 2.96 |

TYPE C RIGHT-ANGLE PIN ASSEMBLIES, SOLDER POST - EXPANDED DIN SIZE

|             |    |     |       |       |         |      |
|-------------|----|-----|-------|-------|---------|------|
| ● 5650906-5 | II | 120 | 0.104 | 4.500 | 42K7355 | 6.26 |
| ● 5650907-5 | II | 150 | 0.104 | 5.500 | 42K7356 | ---  |

TYPE C RIGHT-ANGLE PIN ASSEMBLIES, ACTION PIN<sup>®</sup> - EXPANDED DIN SIZE

|            |     |    |       |       |         |       |
|------------|-----|----|-------|-------|---------|-------|
| ● 215605-4 | ... | 96 | 0.114 | 3.689 | 52F5145 | 10.87 |
|------------|-----|----|-------|-------|---------|-------|

TYPE C VERTICAL RECEPTACLE ASSEMBLIES, SOLDER POST - STANDARD DIN SIZE

|              |    |    |       |       |         |      |
|--------------|----|----|-------|-------|---------|------|
| 650458-5     | II | 64 | 0.098 | 3.700 | 34B1319 | 3.45 |
| ● 5650458-5  | II | 64 | 0.098 | 3.700 | 40P9819 | 3.43 |
| ● 5650956-5  | II | 64 | 0.130 | 3.700 | 50P9507 | 2.78 |
| ● 5650408-5  | II | 64 | 0.180 | 3.700 | 73K1684 | 4.05 |
| ● 5536418-5† | II | 96 | 0.098 | 3.700 | 73K1669 | 3.58 |
| ● 5535089-5† | II | 96 | 0.098 | 3.700 | 73K1663 | 4.36 |
| ● 5535090-5† | II | 96 | 0.130 | 3.700 | 73K1665 | 3.78 |
| ● 5535090-4† | II | 96 | 0.130 | 3.700 | 73K1664 | 4.29 |
| 650963-4     | II | 96 | 0.130 | 3.700 | 34B1370 | 4.64 |
| ● 5535043-5† | II | 96 | 0.180 | 3.700 | 73K1660 | 4.40 |
| ● 5535043-4  | II | 96 | 0.180 | 3.700 | 73K1659 | 3.54 |
| ● 5536412-4  | II | 96 | 0.180 | 3.700 | 40P9768 | 4.31 |

TYPE C VERTICAL RECEPTACLE ASSEMBLIES, SOLDER POST - HALF DIN SIZE

|             |    |    |       |       |         |      |
|-------------|----|----|-------|-------|---------|------|
| ● 5536397-5 | II | 48 | 0.098 | 2.100 | 73K1668 | 2.27 |
| ● 5535091-5 | II | 48 | 0.098 | 2.100 | 71M0791 | 2.98 |
| 535070-4    | II | 48 | 0.130 | 2.100 | 93F5033 | ---  |
| ● 5535070-4 | II | 48 | 0.130 | 2.100 | 40P9762 | 2.71 |
| ● 5535070-5 | II | 48 | 0.130 | 2.100 | 73K1662 | 2.93 |
| 535071-4    | II | 48 | 0.180 | 2.100 | 93F5034 | ---  |
| ● 5535071-4 | II | 48 | 0.180 | 2.100 | 19R2514 | 2.64 |

TYPE C VERTICAL RECEPTACLE ASSEMBLIES, SOLDER POST - EXTENDED DIN SIZE

|             |    |     |       |       |         |      |
|-------------|----|-----|-------|-------|---------|------|
| ● 5535098-5 | II | 120 | 0.130 | 4.500 | 40P9763 | 4.02 |
|-------------|----|-----|-------|-------|---------|------|

TYPE C VERTICAL RECEPTACLE ASSEMBLIES, ACTION PIN<sup>®</sup> - STANDARD DIN SIZE

|               |    |    |       |       |         |       |
|---------------|----|----|-------|-------|---------|-------|
| ● 5535032-4   | II | 96 | 0.190 | 3.700 | 71K0049 | 3.18  |
| ● 215912-4    | II | 96 | 0.512 | 3.700 | 93F5064 | ---   |
| ● 1-148057-5† | II | 96 | 0.512 | 3.700 | 33B3154 | 11.80 |

➔ CONTINUED ➔



**AMP EUROCARD TYPE C RIGHT-ANGLE PIN AND VERTICAL RECEPTACLE ASSEMBLIES (CONT.)**

**TYPE C VERTICAL RECEPTACLE ASSEMBLIES, ACTION PIN® - STANDARD DIN SIZE**

| Mfg. Part No. | DIN Level | Positions | Post Lgth. (Inches) | Length (Inches) | Stock No. | Price Each 1-49 |
|---------------|-----------|-----------|---------------------|-----------------|-----------|-----------------|
| ● 1-148059-5† | II        | 96        | 0.669               | 3.740           | 33B3155   | ---             |
| ● 215614-4    | II        | 96        | 0.669               | 3.700           | 93F5066   | ---             |

**TYPE C VERTICAL RECEPTACLE ASSEMBLIES, ACTION PIN® - HALF DIN SIZE**

|             |    |    |       |       |         |      |
|-------------|----|----|-------|-------|---------|------|
| ● 535034-5  | II | 48 | 0.190 | 2.100 | 88F5283 | 4.13 |
| ● 5535034-5 | II | 48 | 0.190 | 2.100 | 46T9554 | 2.73 |

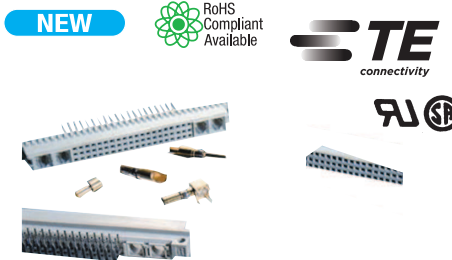
**TYPE C VERTICAL RECEPTACLE HOUSING FOR CRIMP SNAP IN RECEPTACLE CONTACTS - HALF DIN SIZE**

|            |     |    |     |       |         |      |
|------------|-----|----|-----|-------|---------|------|
| ● 926040-2 | ... | 48 | ... | 2.142 | 88F5032 | 5.67 |
|------------|-----|----|-----|-------|---------|------|

\* With Boardlocks. † Compatible with FUTUREBUS, VMEbus, Intel MULTIBUS (II), NUBUS applications. (8051)

**AMP EUROCARD TYPE R VERTICAL PIN AND RIGHT-ANGLE RECEPTACLE ASSEMBLIES**

- 0.100" x 0.100" (2.54 x 2.54) Pin and Receptacle Connector Assemblies
- Meet DIN 41612 (Level II) and IEC 603-2 Requirements
- Voltage Rating: 250VAC
- Dielectric Rating: 1000VAC
- Temperature Rating: -55°C to +125°C
- UL Recognized, CSA Certified



Type R vertical pin assemblies feature brass solder posts or 0.025" (0.64) square phosphor bronze Action Pin® solderless, press-fit posts for PC board thicknesses of 0.093" (2.36) and above. Easily installed with seating tools, go online or call. Type R right-angle receptacle assemblies feature phosphor bronze solder posts. Flame retardant, gray polyester polarized housings, rated UL94V-0. Intermateable with type C assemblies, go online or call.

**TYPE R VERTICAL PIN ASSEMBLIES, SOLDER POST - STANDARD DIN SIZE**

| Mfg. Part No. | Positions | Post Lgth. | Length | Stock No. | Price Each |       |         |
|---------------|-----------|------------|--------|-----------|------------|-------|---------|
|               |           |            |        |           | 1-49       | 50-99 | 100-249 |
| ● 5650933-5   | 64        | 0.130"     | 3.740" | 42K7361   | 3.89       | 3.31  | 3.05    |
| ● 5650934-5   | 64        | 0.180"     | 3.740" | 42K7362   | 3.37       | 2.95  | 2.62    |
| ● 5650908-5   | 96        | 0.130"     | 3.740" | 42K7367   | 4.08       | 3.89  | 3.70    |
| ● 5650470-5   | 96        | 0.180"     | 3.740" | 42K7348   | 5.10       | 4.87  | 4.64    |

**TYPE R VERTICAL PIN ASSEMBLIES, SOLDER POST - HALF DIN SIZE**

|             |    |        |        |         |      |      |      |
|-------------|----|--------|--------|---------|------|------|------|
| ● 5650479-5 | 48 | 0.130" | 2.140" | 42K7351 | 2.99 | 2.86 | 2.72 |
| ● 5650477-5 | 48 | 0.180" | 2.140" | 19R2956 | 2.82 | 2.82 | 2.82 |

**TYPE R VERTICAL PIN ASSEMBLIES, SOLDER POST - EXPANDED DIN SIZE**

|             |     |        |        |         |       |      |      |
|-------------|-----|--------|--------|---------|-------|------|------|
| ● 5650922-5 | 150 | 0.130" | 5.352" | 73K1687 | 10.15 | 8.63 | 7.93 |
|-------------|-----|--------|--------|---------|-------|------|------|

**TYPE R VERTICAL PIN ASSEMBLIES, ACTION PIN® - STANDARD DIN SIZE**

|              |    |        |        |         |       |       |      |
|--------------|----|--------|--------|---------|-------|-------|------|
| ● 1-650930-4 | 64 | 0.521" | 3.740" | 93F5103 | 14.26 | 11.47 | 9.60 |
|--------------|----|--------|--------|---------|-------|-------|------|

**TYPE R VERTICAL PIN ASSEMBLIES, ACTION PIN® - HALF DIN SIZE**

|             |    |        |        |         |      |      |      |
|-------------|----|--------|--------|---------|------|------|------|
| ● 650918-5  | 48 | 0.250" | 2.140" | 93F5104 | ---  | ---  | ---  |
| ● 5650918-5 | 48 | 0.250" | 2.140" | 42K7360 | 2.68 | 2.58 | 2.47 |

**TYPE R RIGHT-ANGLE RECEPTACLE ASSEMBLY, SOLDER POST - STANDARD DIN SIZE**

|             |    |        |        |         |      |      |      |
|-------------|----|--------|--------|---------|------|------|------|
| ● 5650461-4 | 96 | 0.110" | 3.696" | 16M3307 | 3.61 | 3.61 | 3.37 |
| 650461-5    | 96 | 0.110" | 3.696" | 34B1322 | 5.37 | 5.12 | 4.88 |
| ● 5650461-5 | 96 | 0.110" | 3.696" | 71M0792 | 4.77 | 4.57 | 4.34 |
| 650895-4    | 96 | 0.110" | 3.696" | 66F3104 | 4.59 | 4.59 | 4.33 |
| ● 5650462-5 | 96 | 0.167" | 3.696" | 19R2953 | 7.44 | 7.04 | 7.04 |
| ● 5650870-4 | 64 | 0.110" | 3.696" | 16M4017 | 3.77 | 3.77 | 3.77 |

**TYPE R RIGHT-ANGLE RECEPTACLE ASSEMBLY, SOLDER POST - HALF DIN SIZE**

|             |    |        |        |         |      |      |      |
|-------------|----|--------|--------|---------|------|------|------|
| ● 5650868-4 | 48 | 0.110" | 2.096" | 40P9820 | 2.57 | 2.57 | 2.57 |
| 650868-5    | 48 | 0.110" | 2.096" | 34B1350 | 5.39 | 5.15 | 4.90 |
| ● 5650868-5 | 48 | 0.110" | 2.096" | 19R2978 | 2.54 | 2.54 | 2.54 |
| ● 5650893-5 | 48 | 0.110" | 2.096" | 46T9555 | 4.05 | 3.86 | 3.68 |

**TYPE R RIGHT-ANGLE RECEPTACLE ASSEMBLY, SOLDER POST - EXPANDED DIN SIZE**

|             |     |        |        |         |      |      |      |
|-------------|-----|--------|--------|---------|------|------|------|
| ● 5650874-5 | 120 | 0.110" | 4.496" | 68K9600 | 6.78 | 6.46 | 6.15 |
|-------------|-----|--------|--------|---------|------|------|------|

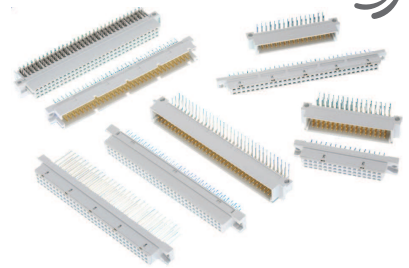
(8052)

**DIN 41612 BOARD MOUNT CONNECTORS**



**Applications:**

- Consumer electronics
- Office equipment
- Industrial electronics
- Data
- Private switching
- Telecommunication
- Public switching
- Datacom



FCI's DIN selection proven standard connectors, such as signal solder to board, press-fit and power connectors. Insulator material is polyester thermoplastic UL 94 V0. Contacts are copper alloy with gold over nickel on contact area and matte tin over nickel on termination area. Temperature range: -55°C to +125°C.

**TYPE B, RIGHT ANGLE HEADERS**

| Mfg. Part No.        | Din Class | No. of Rows | Contacts | Loading Description | Stock No. | Price Each 1-49 |
|----------------------|-----------|-------------|----------|---------------------|-----------|-----------------|
| ● 86091325113765E1LF | I         | 2           | 32       | a fully loaded      | 93K5374   | 4.38            |
| ● 86092645113755E1LF | II        | 2           | 64       | a + b fully loaded  | 71K0070   | 3.24            |

**TYPE C, RIGHT ANGLE HEADERS**

|                      |    |   |    |                        |         |      |
|----------------------|----|---|----|------------------------|---------|------|
| ● 86093967113765E1LF | I  | 3 | 96 | a + b + c fully loaded | 93K5379 | ---  |
| ● 86094647113755E1LF | II | 3 | 64 | a + c fully loaded     | 93K5381 | 4.21 |
| ● 86094647113755ELF  | II | 3 | 64 | a + c fully loaded     | 63K0508 | 1.93 |
| ● 86093967113755E1LF | II | 3 | 96 | a + b + c fully loaded | 93K5378 | 3.35 |
| ● 86093967113755ELF  | II | 3 | 96 | a + b + c fully loaded | 63K0451 | 3.38 |

**TYPE C, RIGHT ANGLE PRESS FIT HEADERS**

|                      |    |   |    |                        |         |      |
|----------------------|----|---|----|------------------------|---------|------|
| ● 86094647194755E1LF | II | 3 | 64 | a + c fully loaded     | 66K0032 | 4.66 |
| ● 86093967194755E1LF | II | 3 | 96 | a + b + c fully loaded | 63K0456 | 4.88 |

**TYPE C/2, RIGHT ANGLE HEADERS**

|                     |    |   |    |                        |         |      |
|---------------------|----|---|----|------------------------|---------|------|
| ● 86094327313755ELF | II | 3 | 32 | a + c fully loaded     | 06M2294 | 0.92 |
| ● 86093487313755ELF | II | 3 | 48 | a + b + c fully loaded | 05R9520 | 2.06 |

**TYPE Q, VERTICAL HEADERS**

|                      |    |   |    |                    |         |      |
|----------------------|----|---|----|--------------------|---------|------|
| ● 86092645814755E1LF | II | 2 | 64 | a + b fully loaded | 63K0381 | 3.38 |
|----------------------|----|---|----|--------------------|---------|------|

**TYPE R, VERTICAL HEADERS**

|                      |    |   |    |                        |         |      |
|----------------------|----|---|----|------------------------|---------|------|
| ● 86094647814755E1LF | II | 3 | 64 | a + c fully loaded     | 05R9525 | 1.94 |
| ● 86093967814755ELF  | II | 3 | 96 | a + b + c fully loaded | 05R9522 | 3.25 |

**TYPE R, VERTICAL PRESS FIT HEADERS**

|                      |    |   |    |                        |         |      |
|----------------------|----|---|----|------------------------|---------|------|
| ● 86094647894755E1LF | II | 3 | 64 | a + c fully loaded     | 63K0516 | 2.80 |
| ● 86093967894755E1LF | II | 3 | 96 | a + b + c fully loaded | 63K0466 | 2.75 |

**TYPE R, RIGHT ANGLE HEADERS**

|                     |    |   |    |                        |         |      |
|---------------------|----|---|----|------------------------|---------|------|
| ● 86094327614755ELF | II | 3 | 32 | a + c fully loaded     | 05R9523 | 1.51 |
| ● 86093487614755ELF | II | 3 | 48 | a + b + c fully loaded | 05R9521 | 1.25 |

**TYPE B, VERTICAL RECEPTACLES**

|                      |    |   |    |                |         |      |
|----------------------|----|---|----|----------------|---------|------|
| ● 86091326114765E1LF | I  | 2 | 32 | a fully loaded | 99K1004 | 6.22 |
| ● 86091326114755E1LF | II | 2 | 32 | a fully loaded | 99K1003 | 4.10 |

**TYPE C, VERTICAL RECEPTACLES**

|                      |    |   |    |                        |         |      |
|----------------------|----|---|----|------------------------|---------|------|
| ● 86094648114765V1LF | I  | 3 | 64 | a + c fully loaded     | 99K1013 | 4.38 |
| ● 86093968114765V1LF | I  | 3 | 96 | a + b + c fully loaded | 99K1010 | 7.41 |
| ● 86094648114755V1LF | II | 3 | 64 | a + c fully loaded     | 99K1012 | 2.58 |
| ● 86093968114755V1LF | II | 3 | 96 | a + b + c fully loaded | 99K1009 | 3.87 |

**TYPE C, VERTICAL PRESS FIT RECEPTACLES**

|                      |    |   |    |                        |         |      |
|----------------------|----|---|----|------------------------|---------|------|
| ● 86094648194755E3LF | II | 3 | 64 | a + c fully loaded     | 63K0522 | 2.64 |
| ● 86093968194755E3LF | II | 3 | 96 | a + b + c fully loaded | 63K0473 | 3.91 |

**TYPE R, RIGHT ANGLE RECEPTACLES**

|                      |    |   |    |                    |         |      |
|----------------------|----|---|----|--------------------|---------|------|
| ● 86094648813755V1LF | II | 3 | 64 | a + c fully loaded | 63K0526 | 1.17 |
|----------------------|----|---|----|--------------------|---------|------|

**TYPE R, RIGHT ANGLE PRESS FIT RECEPTACLES**

|                      |    |   |    |                        |         |      |
|----------------------|----|---|----|------------------------|---------|------|
| ● 86094648894755E3LF | II | 3 | 64 | a + c fully loaded     | 63K0528 | 5.77 |
| ● 86093968894755E3LF | II | 3 | 96 | a + b + c fully loaded | 63K0480 | 6.42 |

**TYPE R/2, RIGHT ANGLE RECEPTACLES**

|                      |    |   |    |                        |         |      |
|----------------------|----|---|----|------------------------|---------|------|
| ● 86094328613755E1LF | II | 3 | 32 | a + c fully loaded     | 05R9524 | 1.97 |
| ● 86093488613755E1LF | II | 3 | 48 | a + b + c fully loaded | 63K0417 | 3.08 |

(115842)

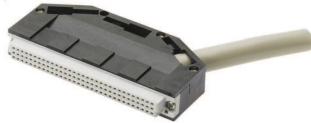
**NEW! Technical support hotline**

Call 877.736.4835 to connect directly with our team of engineers or chat live 24/5 online.

(196535)

# DIN 41612 CONNECTORS

## DIN 41612 IDC CABLE CONNECTORS WITH COVERS



IDC connectors including covers. Applications include communication, data, instrumentation and medical markets.

### STYLE F MEDIUM POWER CONNECTORS

| Mfg. Part No.       | No. of Rows | Contacts | AWG   | Stock No. | Price Each |       |
|---------------------|-------------|----------|-------|-----------|------------|-------|
|                     |             |          |       |           | 1-24       | 25-99 |
| ● BPS8B09FLD0C0Z1LF | 3           | 9        | 30-28 | 05R9512   | 1.15       | 1.08  |
| ● BPS8B09FLD2C0Z1LF | 3           | 9        | 26-24 | 74K4802   | 2.45       | 2.45  |
| ● BPS8B21FLD0C0Z1LF | 3           | 21       | 30-28 | 05R9513   | ---        | ---   |
| ● BPS8B21FLD2C0Z1LF | 3           | 21       | 26-24 | 68K2132   | 4.66       | 4.40  |
| ● BPS8B96FLD0C0Z1LF | 3           | 96       | 30-28 | 05R9514   | 6.54       | 6.18  |
| ● BPS8B96FLD2C0Z1LF | 3           | 96       | 26-24 | 05R9515   | 7.44       | 6.88  |

(147152)

## har-bus® 64 VME64 EXTENSION CONNECTOR SYSTEM

NEW



har-bus® 64 connectors are in accordance to IEC 61 076-4-113 and are 100% backward-compatible to existing Eurocard systems and connectors. All versions have 160 contacts. The addition of rows 2 and d provide 35 more signal ground return, +3.3V power, ±48V power and 6-slot geographical addressing pins. Contact spacing: 0.1" (2.54). Working current: 2A maximum. Order tooling separately on pages 733-734

### STRAIGHT AND RIGHT-ANGLE CONNECTORS

| Mfg. Part No.     | Gender | Termination                             | Stock No. | Price Each |       |
|-------------------|--------|---|-----------|------------|-------|
|                   |        |   |           | 1-9        | 10-24 |
| ● 02 01 160 2101  | Male   | Right-Angle Solder Pins, 2.9mm          | 79K4439   | 21.36      | 20.11 |
| ● 02 04 160 1101  | Female | Right-Angle Solder Pins, 2.9mm          | 79K4437   | 66.86      | 60.36 |
| ● 02 01 160 1105* | Female | Right-Angle Solder Pins, 2.9mm          | 65R4542   | 72.49      | 68.22 |
| ● 02 01 160 1106* | Female | Right-Angle Solder Pins, 2.9mm, w/ Clip | 86R4527   | 74.59      | 70.20 |
| ● 02 02 160 2201  | Female | Straight Press-In Pins, 4.5/5mm         | 79K4440   | 18.59      | 17.50 |
| ● 02 02 160 2301  | Female | Straight Press-In Pins, 17mm            | 40K1709   | 25.21      | 22.76 |

### REAR SHROUDS

\* 50u" Gold for Hi-Reliability Applications

| Mfg. Part No.    | Description              | Stock No. | Price Each |       |
|------------------|--------------------------|-----------|------------|-------|
|                  |                          |           | 1-9        | 10-24 |
| ● 02 44 000 0007 | For PC Board 2.8mm Thick | 40K1708   | 4.62       | 4.12  |
| ● 02 44 000 0001 | For PC Board 3.4mm Thick | 40K1706   | 3.75       | 3.51  |
| ● 02 44 000 0002 | For PC Board 4.0mm Thick | 40K1707   | 3.75       | 3.51  |
| ● 02 44 000 0004 | For PC Board 5.2mm Thick | 60K7062   | 3.75       | 3.51  |

### ACCESSORIES

| Mfg. Part No.    | Description   | Stock No. | Price Each |       |
|------------------|---|-----------|------------|-------|
|                  |   |           | 1-9        | 10-24 |
| ● 02 05 000 2513 | Female Crimp Contact, Performance Level 2, Wire Size: 0.09 - 0.50 Sq. mm (28 - 20AWG) | 05R9322   | 0.52       | 0.49  |
| ● 02 05 000 1513 | Female Crimp Contact, Performance Level 1, Wire Size: 0.09 - 0.50 Sq. mm (28 - 20AWG) | 15R3275   | 0.65       | 0.61  |
| ● 02 05 000 0003 | Crimp Body, Type C, Rows a + b + c + d + e  | 71P5422   | 10.96      | 10.31 |
| ● 02 05 000 0004 | Crimp Body, Type C, Rows z + a + b + c + d  | 51P1496   | 10.96      | 10.31 |
| ● 02 05 000 0005 | Crimp Body, Type R, Rows a + b + c + d + e  | 27R1447   | 10.96      | 10.31 |

(8472)

## DIN 41612 SIGNAL CONNECTORS UP TO 2 AMPS

NEW



Type B Male

Type 2B Female

- IEC 60 603-2
- Maximum 96 contacts
- Standard and inverse versions
- 2.54mm (0.100") contact spacing
- Moldings thermoplastic resin, glass fiber filled, UL 94 V-0

- Contacts copper alloy
- Optional snap in clips
- Temperature range -55 C to +125 C
- Performance level 2 = 400 mating cycles
- Current rating 2A (IDC versions 1A)
- Current rating for type M (mixed) up to 40A

Male and female connectors available in many termination styles: straight and right angle solder pins for printed circuits, solder lugs for discrete wiring, press-in for backplanes, wrap posts for automatic wiring, and crimp contacts (ordered separately). 2.54mm (0.100") contact spacing. Order housings, contacts, and accessories separately on pages 733-734

CONTINUED

## DIN 41612 SIGNAL CONNECTORS UP TO 2 AMPS (CONT.)

### TYPE B - 2 ROW

| Mfg. Part No.    | Contacts | DIN Style | Termination                                      | Stock No. | Price Each |       |
|------------------|----------|-----------|--|-----------|------------|-------|
|                  |          |           |  |           | 1-9        | 10-24 |
| ● 09 02 164 6921 | 64       | Male      | Right-Angle Solder Pins, 3.0mm                   | 96F2672   | 3.31       | 3.11  |
| ● 09 02 064 3214 | 64       | Female    | For Straight Crimp Contacts (ordered separately) | 40K1714   | 8.66       | 8.18  |
| ● 09 02 264 6828 | 64       | Female    | For Insulation Displacement                      | 79K4449   | 12.60      | 11.91 |
| ● 09 02 264 6824 | 64       | Female    | Straight Solder Pins, 2.9mm                      | 93B3021   | 4.59       | 4.32  |
| ● 09 02 264 6825 | 64       | Female    | Straight Solder Pins, 4.5mm                      | 79K4448   | 3.95       | 3.73  |

### TYPE 2B - 2 ROW

|                  |    |        |                                |         |      |      |
|------------------|----|--------|--------------------------------|---------|------|------|
| ● 09 22 132 6921 | 32 | Male   | Right-Angle Solder Pins, 3.0mm | 93C6953 | 2.84 | 2.67 |
| ● 09 22 232 6825 | 32 | Female | Straight Solder Pins, 4.5mm    | 14C7573 | 3.72 | 3.50 |

### TYPE C - 2 ROW, ROWS A AND C LOADED

|                  |    |        |   |         |      |      |
|------------------|----|--------|---|---------|------|------|
| ● 09 03 164 6921 | 64 | Male   | Right-Angle Solder Pins, 3.0mm            | 79K4451 | 2.19 | 2.06 |
| ● 09 03 264 6821 | 64 | Female | Straight Wrap Posts, 13.0mm               | 39C9881 | 4.89 | 4.62 |
| ● 09 03 264 6824 | 64 | Female | Straight Solder Pins, 2.9mm               | 13C2731 | 2.64 | 2.48 |
| ● 09 03 264 6825 | 64 | Female | Straight Solder Pins, 4.5mm               | 83F8408 | 2.33 | 2.19 |
| ● 09 03 264 6828 | 64 | Female | For Insulation Displacement to Flat Cable | 79K4455 | 9.78 | 9.20 |

### TYPE C - 3 ROW

|                   |    |        |  |         |       |       |
|-------------------|----|--------|--|---------|-------|-------|
| ● 09 03 196 6921  | 96 | Male   | Right-Angle Solder Pins, 3.0mm   | 96F2677 | 2.84  | 2.67  |
| ● 09 03 196 2921* | 96 | Male   | Right-Angle Solder Pins, 3.0mm   | 89C0090 | 5.19  | 4.88  |
| ● 09 03 196 6922  | 96 | Male   | Straight Solder Pins, 3.0mm  | 96F2679 | 3.72  | 3.50  |
| ● 09 03 196 6951  | 96 | Male   | Right-Angle Solder Pins with 2 Leading Contacts (0.8 mm at A1 and A32) | 93C5401 | 3.63  | 3.43  |
| ● 09 03 396 6921  | 96 | Male   | Right-Angle Solder Pins, 3.0mm, with Snap-In Clips                     | 83F8407 | 3.76  | 3.54  |
| ● 09 03 296 6823  | 96 | Female | Straight Closed Solder Lug   | 99B2237 | 15.57 | 14.65 |
| ● 09 03 096 3214  | 96 | Female | Straight Crimp Contacts (ordered separately)                           | 40K1722 | 5.51  | 5.19  |
| ● 09 03 296 6824  | 96 | Female | Straight Solder Pins, 2.9mm  | 13C2732 | 3.74  | 3.52  |
| ● 09 03 296 6825  | 96 | Female | Straight Solder Pins, 4.5mm  | 80K6208 | 2.72  | 2.57  |
| ● 09 03 496 6825  | 96 | Female | Straight Solder Pins, 4.5mm, with Snap-In Clips                        | 93C5490 | 4.47  | 4.22  |
| ● 09 03 296 6850  | 96 | Female | For Straight Crimp Contacts, 4.5mm                                     | 79K4442 | 2.68  | 2.53  |
| ● 09 03 296 6851  | 96 | Female | Straight Press-In Pins, 13.2mm   | 27C1379 | 6.41  | 6.06  |
| ● 09 03 296 6861  | 96 | Female | Straight Press-In Pins, 13.2mm, Selectively Gold Plated                | 93C5458 | 6.92  | 6.51  |
| ● 09 03 296 6821  | 96 | Female | Straight Press-In Pins, 13.0mm   | 96M1877 | 5.98  | 5.63  |

### TYPE 2C - 3 ROW

|                  |    |        |  |         |      |      |
|------------------|----|--------|--|---------|------|------|
| ● 09 23 132 6921 | 32 | Male   | Right-Angle Solder Pins, 3.0mm                   | 79K4466 | 2.88 | 2.71 |
| ● 09 23 148 6921 | 48 | Male   | Right-Angle Solder Pins, 3.0mm                   | 23C1623 | 2.53 | 2.38 |
| ● 09 23 048 3214 | 48 | Female | For Straight Crimp Contacts (ordered separately) | 22T4982 | ---  | ---  |
| ● 09 23 248 6825 | 48 | Female | Straight Solder Pins, 4.5mm                      | 39C3353 | 3.16 | 2.99 |

### TYPE R - 2 ROW, ROWS A AND C LOADED

|                  |    |        |                                |         |      |      |
|------------------|----|--------|--------------------------------|---------|------|------|
| ● 09 73 164 6903 | 64 | Female | Straight Solder Pins, 4.0mm    | 96F2642 | 3.16 | 2.99 |
| ● 09 73 264 6801 | 64 | Female | Right-Angle Solder Pins, 2.8mm | 83F8417 | 2.52 | 2.39 |

### TYPE R - 3 ROW

|                  |    |        |                                |         |      |      |
|------------------|----|--------|--------------------------------|---------|------|------|
| ● 09 73 196 6903 | 96 | Male   | Straight Solder Pins, 4.0mm    | 96F2641 | 5.23 | 4.92 |
| ● 09 73 296 6801 | 96 | Female | Right-Angle Solder Pins, 2.8mm | 79K4465 | 3.92 | 3.69 |

### TYPE 2R - 3 ROW

|                  |    |        |  |         |      |      |
|------------------|----|--------|--|---------|------|------|
| ● 09 23 048 3217 | 48 | Female | For Straight Crimp Contacts (ordered separately) | 24T5874 | 8.49 | 7.99 |
|------------------|----|--------|--|---------|------|------|

### TYPE M - 3 ROWS

|                  |        |        |                                |         |      |      |
|------------------|--------|--------|--------------------------------|---------|------|------|
| ● 09 03 124 6901 | 24 + 8 | Male   | Right-Angle Solder Pins, 3.0mm | 96F2659 | 7.00 | 6.59 |
| ● 09 03 224 6805 | 24 + 8 | Female | Straight Solder Pins, 4.5mm    | 93B3005 | ---  | ---  |
| ● 09 03 142 6901 | 42 + 6 | Male   | Right-Angle Solder Pins, 3.0mm | 96F2658 | 6.54 | 6.17 |
| ● 09 03 242 6805 | 42 + 6 | Female | Straight Solder Pins, 4.5mm    | 79K4453 | 6.09 | 5.76 |
| ● 09 03 160 6901 | 60 + 4 | Male   | Right-Angle Solder Pins, 3.0mm | 79K4450 | 9.29 | 8.74 |
| ● 09 03 260 6805 | 60 + 4 | Female | Straight Solder Pins, 4.5mm    | 79K4454 | 8.08 | 7.61 |
| ● 09 03 178 6901 | 78 + 2 | Male   | Right-Angle Solder Pins, 3.0mm | 79K4452 | 5.80 | 5.46 |

CONTINUED

DIN 41612 SIGNAL CONNECTORS UP TO 2 AMPS (CONT.)

TYPE M-FLAT - 3 ROWS

| Mfg. Part No.    | Contacts | DIN Style | Termination                   | Stock No. | Price Each |       |
|------------------|----------|-----------|-------------------------------|-----------|------------|-------|
|                  |          |           |                               |           | 1-9        | 10-24 |
| ● 09 03 224 6865 | 24 + 8   | Female    | Straight Solder Pins, 4.5mm   | 05H7264   | 7.39       | 6.95  |
| ● 09 03 224 6830 | 24 + 8   | Female    | Straight Press-In Pins, 4.5mm | 05H7263   | 9.10       | 8.57  |

\* Performance level 1 (8484)

DIN 41612 CONNECTORS UP TO 6 AMPS



NEW



- IEC 60 603-2 (and complementary types)
- Maximum 48 contacts
- Board mount angled and straight
- Cable mount crimp and solder lug
- 0.2" (5.08mm) contact spacing
- Moldings: thermoplastic resin, glass fiber filled, UL 94 V-0
- Contacts: copper alloy
- Temperature range -55 C to +125 C
- Performance level 2 = 400 mating cycles
- Current rating 6A
- Order housings, contacts, and accessories separately on pages 733-734

TYPE D - 2 ROWS

| Mfr. Part No.    | Con-tacts | DIN Style | Termination                                      | Stock No. | Price Each |
|------------------|-----------|-----------|--|-----------|------------|
|                  |           |           |  |           | 1-9        |
| ● 09 04 132 6921 | 32        | Male      | Right-Angle Solder Pins, 3.0mm                   | 96F2668   | 4.33       |
| ● 09 04 232 6831 | 32        | Female    | Straight Solder Pins, 4.5mm                      | 79K4458   | 8.94       |
| ● 09 04 232 6821 | 32        | Female    | Straight Wrap Posts, 20.0mm                      | 40K1725   | 6.59       |
| ● 09 04 032 3213 | 32        | Female    | For Straight Crimp Contacts (ordered separately) | 93C5522   | 9.78       |

TYPE E - 3 ROWS

|                  |    |        |  |         |      |
|------------------|----|--------|--|---------|------|
| ● 09 05 148 6921 | 48 | Male   | Right-Angle Solder Pins, 3.0mm                   | 01C5518 | 5.74 |
| ● 09 05 248 6831 | 48 | Female | Straight Solder Pins, 4.5mm                      | 39C3397 | 9.53 |
| ● 09 05 048 3202 | 48 | Female | For Straight Crimp Contacts (ordered separately) | 98B9353 | 3.43 |

TYPE F - 3 ROWS

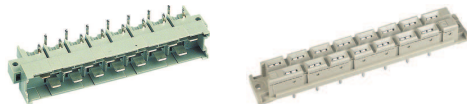
|                  |    |        |  |         |       |
|------------------|----|--------|--|---------|-------|
| ● 09 06 148 6901 | 48 | Male   | Right-Angle Solder Pins, 3.0mm                   | 96F2671 | 5.15  |
| ● 09 06 248 3201 | 48 | Female | For Straight Crimp Contacts (ordered separately) | 79K4444 | 1.35  |
| ● 09 06 248 6823 | 48 | Female | Open Solder Lugs                                 | 47M1118 | 13.02 |
| ● 09 06 248 6826 | 48 | Female | Angle Solder Pins, 1x1mm                         | 93C5903 | 21.79 |
| ● 09 06 248 6833 | 48 | Female | Low Profile, Straight Solder Pins, 3.7mm         | 93C5904 | 7.72  |
| ● 09 06 248 6834 | 48 | Female | Low Profile, Straight Solder Pins, 4.5mm         | 94B7701 | 7.49  |
| ● 09 06 248 6835 | 48 | Female | Straight Solder Pins, 4.5mm                      | 79K4463 | 7.63  |

TYPE F - 2 ROWS, ROWS A AND C LOADED

|                  |    |      |                                |         |      |
|------------------|----|------|--------------------------------|---------|------|
| ● 09 06 132 6901 | 32 | Male | Right-Angle Solder Pins, 3.0mm | 96M1878 | 3.74 |
|------------------|----|------|--------------------------------|---------|------|

(8486)

TYPE H DIN 41612 CONNECTORS UP TO 15 AMPS



Type H Male

Type H Female

- IEC 60 603-2
- Maximum 15 contacts
- Board mount angled and straight
- Cable mount faston
- Moldings: thermoplastic resin, glass fiber filled, UL 94 V-0
- Contacts: copper alloy
- Temperature range -55 C to +125 C
- Performance level 1 = 500 mating cycles
- Current rating 15A
- Order housings, and accessories separately on pages 733-734

TYPE H - 2 ROWS

| Mfg. Part No.    | Con-tacts | DIN Style | Termination   | Stock No. | Price Each |       |
|------------------|-----------|-----------|---|-----------|------------|-------|
|                  |           |           |   |           | 1-9        | 10-24 |
| ● 09 06 015 2912 | 15        | Male      | Faston 6.3 x 2.5  | 93C5712   | 11.96      | 11.26 |
| ● 09 06 115 2911 | 15        | Male      | Right-Angle Solder Pin for 0.063"(1.6) PC Board             | 79K4459   | 8.61       | 8.11  |
| ● 09 06 115 2932 | 15        | Male      | Right-Angle Solder Pins - First Mating Contact Position Z32 | 79K4460   | 8.69       | 8.18  |
| ● 09 06 215 2811 | 15        | Female    | Faston 6.3 x 2.5 - Cannot Be Used In Shell Housing          | 99F3628   | 10.98      | 10.33 |
| ● 09 06 215 2871 | 15        | Female    | For Faston 6.3 x 2.5 - May Also Be Used In Shell Housing    | 93K7627   | 10.29      | 9.71  |

➔ CONTINUED ➔

TYPE H DIN 41612

CONNECTORS UP TO 15 AMPS (CONT.)

| Mfg. Part No.    | Con-tacts | DIN Style | Termination  | Stock No. | Price Each |       |
|------------------|-----------|-----------|--|-----------|------------|-------|
|                  |           |           |  |           | 1-9        | 10-24 |
| ● 09 06 215 2821 | 15        | Female    | Straight Solder Pin, 0.157"(4) long for 0.063"(1.6) PC Board | 79K4461   | 9.71       | 9.15  |
| ● 09 06 015 2813 | 15        | Female    | Cage Clamp - May Also Be Used In Shell Housing               | 93C5711   | 30.57      | 28.77 |

TYPE H3 - 3 CONTACT

|                  |   |        |  |         |      |      |
|------------------|---|--------|--|---------|------|------|
| ● 09 06 203 2911 | 3 | Male   | Right-Angle Solder Pins with Preleading Middle Contact | 51M9270 | 4.63 | 4.36 |
| ● 09 06 203 2811 | 3 | Female | Straight Solder Pins, 4.0mm                            | 93C5808 | 5.92 | 5.57 |

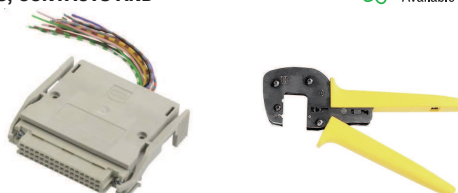
(8488)

DIN 41612 SHELL HOUSINGS, SHROUDS, CONTACTS AND TOOLING

NEW



3



Fully Assembled Housing, Connector, & Brackets

09 99 000 0620

UL recognized, CSA certified.

HOUSINGS AND SHROUDS

| Mfr. Part No.    | Description  | Stock No. | Price Each |
|------------------|--|-----------|------------|
|                  |  |           | 1-9        |
| ● 09 03 096 0501 | Shell Housing C for Female Connectors, Type B, C, D, E, har-bus 64 | 35C3320   | 10.84      |
| ● 09 23 048 0501 | Shell Housing 2C for Female Connectors, Type 2C                    | 87R1457   | ---        |
| ● 09 02 000 9911 | Round Cable Insert C for Shell Housings                            | 50B3878   | 3.11       |
| ● 09 06 000 9914 | Round Cable Insert B for Shell Housings                            | 93C5665   | 1.84       |
| ● 09 02 000 9902 | Left Locking Lever C for Shell Housings                            | 40K1710   | 1.37       |
| ● 09 02 000 9903 | Right Locking Lever C for Shell Housings                           | 40K1711   | 1.37       |
| ● 09 06 000 9913 | Left Locking Lever B for Shell Housings                            | 94B6266   | 1.46       |
| ● 09 02 000 9909 | Locking Screws - M2.5 x 16   | 71P8303   | 0.48       |
| ● 09 02 000 9919 | Left Fixing Bracket C for Male Connectors                          | 40K1712   | 1.32       |
| ● 09 02 000 9920 | Right Fixing Bracket C for Male Connectors                         | 40K1713   | 1.08       |
| ● 09 03 000 9969 | Pin Shroud for 0.512" Wirewrap Pins                                | 58M1942   | 2.64       |

CONTACTS FOR DIN SIGNAL TYPE D, E AND F - 6 AMP

For DIN 41612 power connectors up to 6 amps ordered separately on this page

| Mfr. Part No.    | Description  | Stock No. | Price Each |
|------------------|--|-----------|------------|
|                  |  |           | 1-9        |
| ● 09 06 000 8481 | Female Crimp Contact, Performance Level 2, Wire Size: 0.14-0.56 Sq. mm (26-20 AWG) | 92B0610   | 0.37       |
| ● 09 06 000 8482 | Female Crimp Contact, Performance Level 2, Wire Size: 0.5-1.5 Sq. mm (20-16 AWG)   | 79K4443   | 0.41       |
| ● 09 06 000 8471 | Female Crimp Contact, Performance Level 1, Wire Size: 0.14-0.56 Sq. mm (26-20 AWG) | 93C5644   | 0.34       |
| ● 09 06 000 8472 | Female Crimp Contact, Performance Level 1, Wire Size: 0.5-1.5 Sq. mm (20-16 AWG)   | 98B3479   | 0.34       |

CONTACTS FOR DIN SIGNAL TYPE M - 2 AMP

For DIN 41612 signal connectors up to 2 amps ordered separately on pages 732-733

|                  |  |         |       |
|------------------|--|---------|-------|
| ● 09 03 000 6104 | 40A High-Current Contact, Male, Performance Level 2, Right-angle PCB termination | 40K1716 | 5.33  |
| ● 09 03 000 6160 | Coaxial Contact, Male, Performance Level 2, Solder/Crimp termination             | 40K1717 | 8.96  |
| ● 09 03 000 6260 | Coaxial Contact, Female, Performance Level 2, Solder/Crimp termination           | 40K1720 | 12.30 |
| ● 09 03 000 6262 | Coaxial Contact, Female, Performance Level 2, Right-angle PCB termination        | 40K1721 | 9.77  |

CONTACTS FOR DIN SIGNAL TYPE B, C, 2C, AND 2R - 2 AMP

For DIN 41612 signal connectors up to 2 amps ordered separately on pages 732-733

|                  |   |         |      |
|------------------|---|---------|------|
| ● 09 02 000 8484 | Female Crimp Contact, Performance Level 2, Wire Size: 0.09-0.5 Sq. mm (28-20 AWG) | 99F8723 | 0.33 |
| ● 09 02 000 8474 | Female Crimp Contact, Performance Level 1, Wire Size: 0.09-0.5 Sq. mm (28-20 AWG) | 22C6558 | 0.39 |

TOOLING

| Mfr. Part No.    | Description                           | Stock No. | Price Each |
|------------------|---------------------------------------|-----------|------------|
|                  |                                       |           | 1-4        |
| ● 09 99 000 0620 | Basic Crimp Tool, BC/FC/har-bus 64    | 65H6718   | 313.58     |
| ● 09 99 000 0191 | Service Tool, FC1, FC2 and FC3        | 93K7626   | 338.37     |
| ● 09 99 000 0621 | Crimp Tool Die Set, BC/FC1/har-bus 64 | 65H6721   | 266.58     |
| ● 09 99 000 0622 | Crimp Tool Die Set, FC2               | 67H5847   | 266.58     |
| ● 09 99 000 0623 | Crimp Tool Die Set, FC3               | 73H0064   | 266.58     |
| ● 09 99 000 0630 | Locator Tool, BC/har-bus 64           | 21J5923   | 32.82      |
| ● 09 99 000 0631 | Locator Tool, FC                      | 44J6645   | 34.83      |

➔ CONTINUED ➔



DIN 41612 CONNECTORS • BACKPLANE CONNECTORS

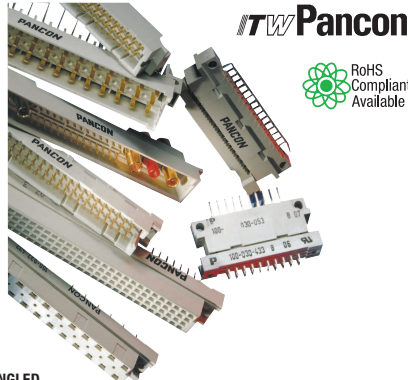
DIN 41612 SHELL HOUSINGS, SHROUDS, CONTACTS AND TOOLING (CONT.)

| Mfr. Part No.  | Description                       | Stock No. | Price Each |         |
|----------------|-----------------------------------|-----------|------------|---------|
|                |                                   |           | 1-4        | 100-249 |
| 09 99 000 0100 | Insertion Tool, BC/har-bus 64     | 70C3602   | 29.80      |         |
| 09 99 000 0088 | Insertion Tool, FC1, FC2, and FC3 | 93C8293   | 5.63       |         |
| 09 99 000 0101 | Removal Tool, BC/har-bus 64       | 93C8295   | 30.48      |         |
| 09 99 000 0087 | Removal Tool, FC1, FC2, and FC3   | 73C4334   | 4.82       |         |

(69015)

HI-CONT™ EUROCARD DIN CONNECTORS

Male and female 2- and 3-row connectors permit high-density PC board packaging. Interchangeable to DIN 41612, V695324, BS9525, and IEC 603-2 specifications. Compatible with VMEbus, STEbus, MULTibus II, CIMbus, and Nubus applications. Glass-filled polyester housings, rated UL94V-0. Current rating: 3-amp max. on board-mounted connectors; 1.5-amp max. on IDC connectors. Operating temperature: -55°C to +125°C. Meet DIN Level III performance unless otherwise indicated. Other performance versions are also available; go online or call.



RoHS Compliant Available

STANDARD, MALE, STRAIGHT AND ANGLED

| Mfg. Part No. | DIN Type | Contacts | Number of Rows | Pin Style/Length | Stock No. | Price Each |         |
|---------------|----------|----------|----------------|------------------|-----------|------------|---------|
|               |          |          |                |                  |           | 1-9        | 100-249 |
| 100-064-033   | B        | 64       | 2              | WS/0.114"        | 88K2094   | 6.19       |         |
| 100-096-033   | C        | 96       | 3              | WS/0.114"        | 88K2095   | 9.27       |         |
| 100-096-053   | C        | 96       | 3              | WS/0.114"        | 88K2096   | 7.29       |         |
| 100-632-033   | B/2      | 32       | 2              | WS/0.114"        | 88K1306   | 3.82       |         |
| 100-964-053   | C        | 64       | 3              | WS/0.114"        | 88K2099   | 3.67       |         |
| 100-964-133*  | C        | 64       | 3              | WS/0.157"        | 88K2100   | 6.66       |         |

STANDARD, FEMALE, STRAIGHT AND ANGLED

|               |   |    |   |           |         |       |  |
|---------------|---|----|---|-----------|---------|-------|--|
| 100-096-432   | C | 96 | 3 | WS/0.157" | 88K1305 | 6.94  |  |
| 100-964-452   | C | 96 | 3 | WS/0.157" | 88K2101 | 8.26  |  |
| 100-096-533** | C | 96 | 3 | WS/0.114" | 88K2098 | 36.18 |  |
| 100-096-452   | C | 64 | 3 | WS/0.157" | 88K2097 | 11.75 |  |

STANDARD, DIN ACCESSORIES, CONNECTOR HOUSING, SHELL

|             |   |     |   |     |         |       |  |
|-------------|---|-----|---|-----|---------|-------|--|
| 100-000-064 | C | ... | 3 | ... | 94F2884 | 33.59 |  |
|-------------|---|-----|---|-----|---------|-------|--|

STANDARD, FEMALE IDC SOCKETS FOR 0.050" FLAT CABLE

|              |   |    |   |         |         |       |  |
|--------------|---|----|---|---------|---------|-------|--|
| 120-064-435  | B | 64 | 2 | IDC/... | 88K2103 | 13.60 |  |
| 120-064-435F | B | 64 | 2 | IDC/... | 88K1310 | 18.62 |  |
| 120-964-435  | C | 64 | 3 | IDC/... | 88K1311 | 14.95 |  |
| 120-964-435F | C | 64 | 3 | IDC/... | 93K7632 | 19.16 |  |

STANDARD, FEMALE, IDC SOCKET FOR 0.033" FLAT CABLE

|              |   |    |   |         |         |       |  |
|--------------|---|----|---|---------|---------|-------|--|
| 120-096-435F | C | 96 | 3 | IDC/... | 93K7631 | 34.20 |  |
|--------------|---|----|---|---------|---------|-------|--|

MALE HEADERS FOR 120 SERIES IDC FEMALE, STRAIGHT AND ANGLED

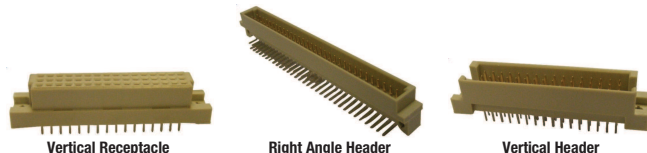
|               |   |    |   |           |         |       |  |
|---------------|---|----|---|-----------|---------|-------|--|
| 120-964-033A  | C | 64 | 3 | WS/0.114" | 83F6905 | 32.35 |  |
| 120-964-133A* | C | 64 | 3 | WS/0.114" | 36B8145 | 29.05 |  |

\*Straight \*\*Angled (877)

DIN 41612 CONNECTORS

RoHS Compliant Available

SPC multcomp



- Insulator: PBT, UL94V-0
- Contact: Gold plated phosphor bronze
- Current Rating: 2A AC/DC
- Voltage Rating: 250V AC/DC

- Contact Resistance: 30 mohm. max
- Insulation Resistance: 1000 Mohm. min
- Withstanding Voltage: 1000 VAC for one minute
- Operating Temperature Range: -25°C to +125°C

DIN 41612 VERTICAL THROUGH HOLE RECEPTACLES

| Mfg. Part No. | No. of Rows | Contacts | Loading Description    | Stock No. | Price Each |         |
|---------------|-------------|----------|------------------------|-----------|------------|---------|
|               |             |          |                        |           | 1-99       | 100-249 |
| 41612-32AB-FS | 2           | 32       | a + b fully loaded     | 41P0435   | 2.87       | 2.58    |
| MC32416       | 3           | 48       | a + b + c fully loaded | 41P0436   | 1.86       | 1.86    |
| MC32418       | 3           | 96       | a + b + c fully loaded | 41P0438   | 3.78       | 3.48    |

CONTINUED

DIN 41612 CONNECTORS (CONT.)

DIN 41612 RIGHT ANGLE THROUGH HOLE HEADERS

| Mfg. Part No.  | No. of Rows | Contacts | Loading Description    | Stock No. | Price Each |         |
|----------------|-------------|----------|------------------------|-----------|------------|---------|
|                |             |          |                        |           | 1-99       | 100-249 |
| 41612-32AB-MR  | 2           | 32       | a + b fully loaded     | 41P0439   | ---        | ---     |
| MC32421        | 2           | 64       | a + b fully loaded     | 41P0441   | ---        | ---     |
| 41612-96ABC-MR | 3           | 96       | a + b + c fully loaded | 41P0442   | 2.60       | 2.39    |

DIN 41612 VERTICAL THROUGH HOLE HEADERS

|                |   |    |                        |         |      |      |
|----------------|---|----|------------------------|---------|------|------|
| MC32423        | 2 | 32 | a + b fully loaded     | 41P0443 | 2.17 | 1.95 |
| 41612-48ABC-MS | 3 | 48 | a + b + c fully loaded | 41P0444 | 3.09 | 2.77 |
| 41612-64AB-MS  | 2 | 64 | a + b fully loaded     | 41P0445 | 1.65 | 1.54 |
| MC32426        | 3 | 96 | a + b + c fully loaded | 41P0446 | 3.51 | 3.22 |

(139385)

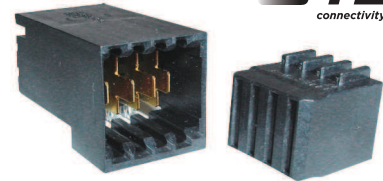
MULTIGIG RT POWER MODULES

NEW

RoHS Compliant Available



- Housing: Liquid crystal polymer
- Contacts: Gold plated phosphor bronze



RIGHT ANGLE POWER MODULES

| Mfg. Part No. | No. of Positions | Description          | Gender | Amps | Stock No. | Price Each |         |
|---------------|------------------|----------------------|--------|------|-----------|------------|---------|
|               |                  |                      |        |      |           | 1-24       | 100-249 |
| 1-1410271-1   | 4                | L,L,L,L Pin Sequence | Header | 20   | 42K6486   | 13.53      |         |
| 1-1410271-8   | 4                | S,S,S,S Pin Sequence | Header | 20   | 13T0926   | 10.80      |         |
| 2-1410271-0   | 4                | M,S,S,M Pin Sequence | Header | 20   | 42K6783   | 10.80      |         |

L (long) = 0.541 [13.75], M (medium) = 0.482 [12.25], S (short) = 0.423 [10.75]

VERTICAL MOUNT POWER MODULES

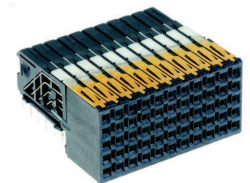
| Mfg. Part No. | No. of Positions | Gender     | Amps | Stock No. | Price Each |         |
|---------------|------------------|------------|------|-----------|------------|---------|
|               |                  |            |      |           | 1-24       | 100-249 |
| 1410270-2     | 4                | Receptacle | 20   | 42K6611   | 12.70      |         |

(194493)

ULTRA HARD METRIC (UHM) BACKPLANE CONNECTORS



- Specified in the draft next generation CompactPCI® PICMG 2.30 Standard for the J2 connector
- High-speed socket connector - 7+ Gbps even when used with standard unshielded HM headers
- Full shielding of signals or signal pairs minimizes crosstalk and insertion loss
- 2 mm pitch offers interchangeability and PCB footprint compatibility with standard HM designs - leverages existing investment
- High signal density - 101 signals per linear inch for the 8-row and 63 signals per linear inch for the 5-row - optimizes PCB space
- Unique dual beam contact design for high reliability



The 3M™ Ultra Hard Metric (UHM) socket connector is the industry's first fully-shielded 2 mm hard metric (HM) connector designed for 7+ Gbps backplane performance with a high signal density when used with unshielded industry standard 2 mm HM backplane headers. The UHM socket is designed to be interchangeable to 2 mm HM IEC 61076-4-101 headers and is fully compatible with 2 mm HM PCB footprints. The UHM socket connector's unique design enables backplane designs using widely available standard 2 mm HM connectors to support greater than 7 Gbps performance, high signal integrity applications. Using the UHM socket connector, standard CompactPCI® and VME 64x systems can, for the first time, support high density of multi-gigabit high speed serial IO protocols such as SAS, SATA, Rapid IO, PCI Express and Gigabit Ethernet. UHM-S110B3-5AP1-TG30 is the part number called out in the draft PICMG 2.30 Standard for the J2 connector.

ULTRA HARD METRIC (UHM) PRESS-FIT SOCKET

| Mfg. Part No.        | Rows | Positions | Stock No. | Price Each |         |
|----------------------|------|-----------|-----------|------------|---------|
|                      |      |           |           | 1-4        | 100-249 |
| UHM-S110B3-5AP1-TG30 | 6    | 110       | 24R2688   | 50.15      |         |

(156356)

Keep current on local/global legislation

One source for the latest news on environmental laws, and expert answers to your questions. [www.element14.com/legislation](http://www.element14.com/legislation)

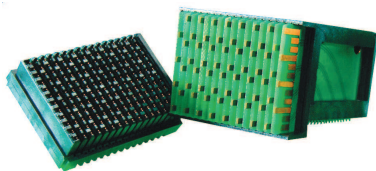
(196540)

BACKPLANE CONNECTORS

**MULTIGIG RT CONNECTORS FOR VITA 41 AND VITA 46 (VPX) STANDARDS**



- 10 Gbps performance
- Differential, Single-ended and Power
- Customizable impedance matched printed circuit wafer interface
- Backplane connector system with "pinless" interface
- Superior crosstalk performance
- Optimized footprints for signal integrity and ease of board design
- Utilizes a 0.56 [.022] diameter via for backplane connector for lower cost board fabrication



Tyco Electronics VITA 41 & VITA 46 VPX backplane interconnects provides high speed data rates that traditional VME is not designed for by merging the latest packaging and connector technology with the latest bus and serial technology. The printed circuit based pinless interconnect family is comprised of modular components which can be used in a variety of combinations. VPX dramatically increases bandwidth with fewer pin counts and enables heterogeneous architectures to help preserve existing investments in technology and systems.

**MULTIGIG RT TIER 2 RECEPTACLES - BACKPLANE**

| Mfg. Part No. | No. of Contacts | No. of Rows | VITA  | No. of Columns | Description                           | Stock No. | Price Each |       |
|---------------|-----------------|-------------|-------|----------------|---------------------------------------|-----------|------------|-------|
|               |                 |             |       |                |                                       |           | 1-24       | 25-99 |
| 1410135-1     | 135             | 9 Row       | 41    | 15             | Center                                | 29M7746   | 24.29      | 21.81 |
| 1410140-1     | 144             | 9 Row       | 41/46 | 16             | Center                                | 32M6802   | 25.22      | 22.65 |
| 1410142-1     | 144             | 9 Row       | 41/46 | 16             | Right End                             | 32M6785   | 24.69      | 22.65 |
| 1410964-1     | 144             | 9 Row       | 46    | 16             | Center, Fully Loaded                  | 10R0088   | 25.25      | 22.68 |
| 1410965-1     | 80              | 9 Row       | 46    | 16             | Center, Columns 9-16 Partially Loaded | 55M8573   | 15.98      | 16.52 |
| 1410966-1     | 80              | 9 Row       | 46    | 16             | Center, Columns 1-8 Partially Loaded  | 11R8149   | 17.00      | 17.57 |

**MULTIGIG RT TIER 2 PLUGS - DAUGHTERCARD**

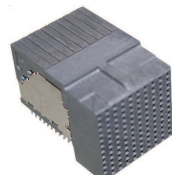
|           |     |       |    |    |  |         |        |        |
|-----------|-----|-------|----|----|--|---------|--------|--------|
| 1410147-1 | 105 | 7 Row | 41 | 15 | Center, Right Angle, Differential Termination  | 29M7751 | 78.06  | 70.75  |
| 1410188-3 | 112 | 7 Row | 46 | 16 | Right End, Differential Termination            | 78M8575 | 92.90  | 90.57  |
| 1410191-3 | 112 | 7 Row | 46 | 16 | Right End, Single-Ended Termination            | 58M3374 | 110.56 | 104.45 |
| 1410975-3 | 112 | 7 Row | 46 | 16 | Center, Differential Termination               | 10R0153 | 98.99  | 89.71  |
| 1410968-3 | 112 | 7 Row | 46 | 16 | Center, Combo Termination                      | 51M2456 | 86.03  | 85.56  |
| 1410970-3 | 112 | 7 Row | 46 | 16 | Center, Differential & Single-End Terminations | 11R8150 | 82.08  | 76.39  |
| 1410971-3 | 56  | 7 Row | 46 | 8  | Half Left End, Differential Termination        | 51M2471 | 54.29  | 49.20  |
| 1410972-3 | 56  | 7 Row | 46 | 8  | Half Left End, Single-Ended Termination        | 11R8151 | 51.52  | 46.69  |

**ACCESSORIES**

| Mfg. Part No. | Description | Features               | Stock No. | Price Each |       |
|---------------|-------------|------------------------|-----------|------------|-------|
|               |             |                        |           | 1-24       | 25-99 |
| 1-1469491-2   | Guide Pin   | 2.6 mm Standoff Height | 72M5852   | 3.99       | 3.73  |
| 1-1469491-3   | Guide Pin   | 4.2 mm Standoff Height | 34P2782   | 5.33       | 4.66  |
| 1-1469491-4   | Guide Pin   | 5.7 mm Standoff Height | 11R8144   | 5.56       | 5.56  |
| 1-1469492-1   | Guide Pin   | 0° Keying              | 02M6240   | 7.72       | 6.67  |
| 1-1469492-2   | Guide Pin   | 45° Keying             | 57P6168   | 6.65       | 6.65  |
| 1-1469492-3   | Guide Pin   | 90° Keying             | 01P0684   | 5.27       | 4.95  |
| 1-1469492-7   | Guide Pin   | 270° Keying            | 27M3686   | 9.40       | 8.52  |
| 1-1469492-8   | Guide Pin   | 315° Keying            | 11M0151   | 6.43       | 6.43  |
| 1-1469492-9   | Guide Pin   | Without Keying         | 11M0148   | 8.26       | 7.52  |
| 1410946-1     | Cap Screw   | ...                    | 59M6593   | 0.85       | 0.66  |

(151300)

**Z-PACK TINMAN BACKPLANE CONNECTORS**



Receptacle



Header - Open Ended



Header - Double Ended

- High speed: 12.5 Gbps
- High density: 31 pair/cm [80 pairs/in]
- Modular design for maximum design flexibility
- 3, 4, 5 and 6 pair per column versions (5 pair shown)

➔ CONTINUED ➔

**Z-PACK TINMAN BACKPLANE CONNECTORS (CONT.)**

- 85 ohm versions compatible with Intel® QuickPath Interconnect (QPI) technologies
- Available with and without end walls for pin protection
- Meets industry reliability requirements of Bellcore/Telcordia
- Operating voltage: 250 VAC max.
- Temperature range: -65°C to +90°C

Tyco Electronics Z-PACK TinMan product is a new high speed, impedance matched connector system with extreme signal density. Available in both 100 ohm and 85 ohm versions, this connector system exists in 3, 4, 5 and 6 pair per column versions for maximum flexibility. Ground contacts positioned within each column of the connector, combined with unique contact lead frame arrangements, enable the Z-PACK TinMan connector to achieve low crosstalk and high throughput performance levels. Reliability is provided with a dual point of contact mating interface and compliant pin interface to the printed circuit board.

**RECEPTACLES - RIGHT ANGLE**

| Mfg. Part No. | No. of Contacts | Description | No. of Pairs | No. of Columns | Stock No. | Price Each |       |
|---------------|-----------------|-------------|--------------|----------------|-----------|------------|-------|
|               |                 |             |              |                |           | 1-24       | 25-49 |
| 1934228-1     | 30              | 9 Row       | 3            | 10             | 08R0934   | 16.65      | 14.97 |
| 1934222-1     | 32              | 12 Row      | 4            | 8              | 80P3542   | ---        | ---   |
| 1934224-1     | 40              | 12 Row      | 4            | 10             | 08R0933   | ---        | ---   |
| 1934218-1     | 40              | 15 Row      | 5            | 8              | 80P3540   | 12.85      | 12.85 |
| 1934220-1     | 50              | 15 Row      | 5            | 10             | 08R0932   | ---        | ---   |
| 1934221-1     | 80              | 15 Row      | 5            | 16             | 80P3541   | ---        | ---   |

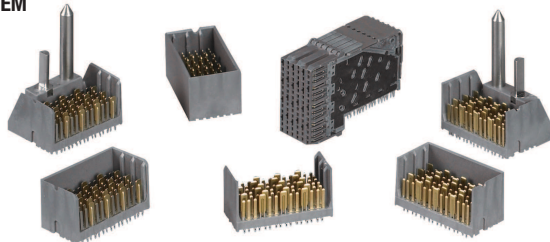
**VERTICAL HEADERS**

| Mfg. Part No. | No. of Contacts | Description           | No. of Pairs | No. of Columns | Stock No. | Price Each |       |
|---------------|-----------------|-----------------------|--------------|----------------|-----------|------------|-------|
|               |                 |                       |              |                |           | 1-24       | 25-49 |
| 1934339-1     | 30              | 9 Row - Open Ended    | 3            | 10             | 08R0939   | 7.39       | 6.73  |
| 1934305-1     | 32              | 12 Row - Open Ended   | 4            | 8              | 80P3545   | 5.62       | 5.62  |
| 1934311-1     | 40              | 12 Row - Open Ended   | 4            | 10             | 08R0935   | 11.54      | 10.51 |
| 1934269-1     | 40              | 15 Row - Open Ended   | 5            | 8              | 80P3543   | 7.47       | 7.47  |
| 1934325-1     | 50              | 15 Row - Open Ended   | 5            | 10             | 08R0937   | ---        | ---   |
| 1934331-1     | 80              | 15 Row - Open Ended   | 5            | 16             | 80P3547   | 13.74      | 13.53 |
| 1934342-1     | 30              | 9 Row - Double Ended  | 3            | 10             | 08R0940   | ---        | ---   |
| 1934306-1     | 32              | 12 Row - Double Ended | 4            | 8              | 80P3546   | ---        | ---   |
| 1934312-1     | 40              | 12 Row - Double Ended | 4            | 10             | 08R0936   | 8.34       | 7.59  |
| 1934271-1     | 40              | 15 Row - Double Ended | 5            | 8              | 80P3544   | ---        | ---   |
| 1934326-1     | 50              | 15 Row - Double Ended | 5            | 10             | 08R0938   | ---        | ---   |
| 1934332-1     | 80              | 15 Row - Double Ended | 5            | 16             | 80P3548   | ---        | ---   |

(146395)

**XCED® HIGH-PERFORMANCE BACKPLANE CONNECTOR SYSTEM**

NEW



- Contacts: Performance based plating copper alloy, tin on press-fit tails
- Performance level: Telcordia CO
- Housings: High temperature thermoplastic, UL 94-V0
- Wafer organizer: Stainless steel
- Mating force: 0.65 N maximum per contact
- Unmating force: 0.15 N minimum per contact
- Press-fit insertion force: 35.6 N maximum per tail
- Contact resistance: 10 mΩ max.
- Current rating: 1A Signal; 2A Wide ground; 6A Blade

FCI's XcEd® connector platform is designed for 25 Gb/s performance to provide the headroom to support future high-speed, serial data rate requirements demanded by next-generation equipment in data centers and service provider networks. The use of engineering polymers in a resonance-damping shield enables very low crosstalk across a wide frequency range. XcEd connectors also address requirements for higher linear signal density at the interface of backplane and daughter card. Signal connectors can be configured with 2, 4 or 6 differential pairs per column, providing up to 82.4 differential pairs/inch, suiting architectures with multiple front or rear fabric slots and blade systems with cooling straight through the backplane. Complementary guidance and power modules are also included in the product range. A wafer organizer can be used to combine groups of right-angle signal, guidance and power modules as an integrated daughter-card connector.

**4 ROW SIGNAL HEADERS - STRAIGHT, PRESS FIT MOUNT**

| Mfg. Part No.      | Differential Pairs Per Column | No. of Columns | Module Type            | Stock No. | Price Each |       |
|--------------------|-------------------------------|----------------|------------------------|-----------|------------|-------|
|                    |                               |                |                        |           | 1-24       | 25-49 |
| 10113947-00C-20DLF | 2                             | 6              | 2 side walls           | 45T5183   | 7.41       |       |
| 10113947-L0C-20DLF | 2                             | 6              | 3 wall including left  | 45T5007   | 7.41       |       |
| 10113947-M0C-20DLF | 2                             | 6              | 3 wall including right | 45T5023   | 7.41       |       |
| 10091767-00C-20DLF | 4                             | 6              | 2 side walls           | 45T3173   | 12.54      |       |
| 10091767-L0C-20DLF | 4                             | 6              | 3 wall including left  | 45T2997   | 12.54      |       |
| 10091767-M0C-20DLF | 4                             | 6              | 3 wall including right | 45T3013   | 12.54      |       |
| 10104997-L0C-20DLF | 6                             | 6              | 3 wall including left  | 45T4055   | 18.43      |       |
| 10104997-M0C-20DLF | 6                             | 6              | 3 wall including right | 45T4071   | 18.43      |       |

➔ CONTINUED ➔

3

## BACKPLANE CONNECTORS

### XCEDE® HIGH-PERFORMANCE BACKPLANE CONNECTOR SYSTEM (CONT.)

| Mfg. Part No.      | Differential Pairs Per Column | No. of Columns | Module Type            | Stock No. | Price Each |       |
|--------------------|-------------------------------|----------------|------------------------|-----------|------------|-------|
|                    |                               |                |                        |           | 1-24       | 25-99 |
| 10113949-00E-20DLF | 2                             | 8              | 2 side walls           | 45T5535   | 9.63       |       |
| 10113949-LOE-20DLF | 2                             | 8              | 3 wall including left  | 45T5359   | 9.63       |       |
| 10113949-MOE-20DLF | 2                             | 8              | 3 wall including right | 45T5375   | 9.63       |       |
| 10091777-00E-20DLF | 4                             | 8              | 2 side walls           | 45T3525   | 16.31      |       |
| 10091777-LOE-20DLF | 4                             | 8              | 3 wall including left  | 45T3349   | 16.31      |       |
| 10091777-MOE-20DLF | 4                             | 8              | 3 wall including right | 45T3365   | 16.31      |       |
| 10104999-00E-20DLF | 6                             | 8              | 2 side walls           | 45T4583   | 20.25      |       |
| 10104999-LOE-20DLF | 6                             | 8              | 3 wall including left  | 45T4407   | 20.25      |       |
| 10104999-MOE-20DLF | 6                             | 8              | 3 wall including right | 45T4423   | 20.25      |       |

(196213)

### MINIPAK HDE POWER CONNECTORS

NEW



- Very high current density
- Two levels of contact sequencing for mate-first-break-last operation
- Compatible with 2mm equipment practices per IEC 61076-4-101
- One-piece molded housing—fewer parts to assemble to pcb
- Hot pluggable contact design reduces contact degradation associated with live pcb insertions/extractions

The MINIPAK HDE Connector system is the latest high current power module designed to serve in both backplane power distribution and general pcb-to-pcb applications. It is designed to complement the most popular high-speed backplane connectors offered by Tyco Electronics, including HM-Zd, Z-PACK TinMan and MULTIG RT connectors. The MINIPAK HDE connector has two levels of blade lengths to provide mate-first/break-last operation for hot swap operation. The low mating force contact reduces the moment/stresses on the connector during mating and reduces the plating wear for long-term reliability. In the event the connector is used to mate or un-mate to a live load, the sacrificial contact tip absorbs the arc to keep the remaining contact mating surfaces free of damage. This "hot-plug" contact design has been approved by UL for current interrupt applications. All MINIPAK HDE connectors are easily applied to the pcb with common "flat-rock" seating tools. The connector mates with Tyco Electronics' Universal Power Module connectors.

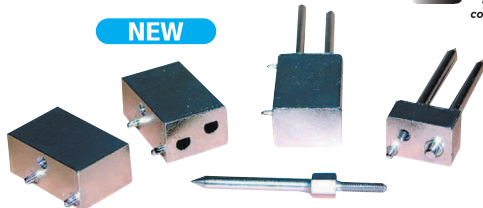
| Mfg. Part No. | No. of Contacts | Long Pin Location                  | Middle Pin Location                | Short Pin Location | Stock No. | Price Each |
|---------------|-----------------|------------------------------------|------------------------------------|--------------------|-----------|------------|
| 1926223-2     | 6               | A1, B1, C1                         | A2, B2, C2                         | ...                | 24T5014   | 11.70      |
| 1926224-2     | 8               | A1, B1, C1, D1                     | A2, B2, C2, D2                     | ...                | 70R1362   | 15.09      |
| 1926225-2     | 10              | A1, B1, C1, D1, E1                 | A2, B2, C2, D2, E2                 | ...                | 24T5015   | ---        |
| 1926226-2     | 12              | A1, B1, C1, D1, E1, F1             | A2, B2, C2, D2, E2, F2             | ...                | 24T5016   | 18.69      |
| 1926227-2     | 14              | A1, B1, C1, D1, E1, F1, G1         | A2, B2, C2, D2, E2, F2, G2         | ...                | 24T5017   | ---        |
| 1926228-2     | 16              | A1, B1, C1, D1, E1, F1, G1, H1     | A2, B2, C2, D2, E2, F2, G2, H2     | ...                | 24T5018   | 20.74      |
| 1926229-2     | 18              | A1, B1, C1, D1, E1, F1, G1, H1, J1 | A2, B2, C2, D2, E2, F2, G2, H2, J2 | ...                | 24T5019   | 22.99      |

(192412)

### AMP GUIDE/KEYING MODULES FOR ADVANCED TCA



NEW



AdvancedTCA Guide Modules double as alignment guide and power contact and can be used in a wide variety of applications. For motherboard-to-daughterboard applications the vertical pin and right angle socket are used. For co-planer applications, the right angle guide pins are used with along with the right angle guide sockets. Both Vertical and right angle guide pins are available in short and long sizes to accommodate different connector configurations. Die cast zinc alloy with nickel finish.

| Mfg. Part No. | Description                                 | Keying Position | Stock No. | Price Each |       |
|---------------|---|-----------------|-----------|------------|-------|
|               |   |                 |           | 1-24       | 25-99 |
| 1-1469268-1   | Right Angle Female, Keyed, Front Board      | 1, 1            | 07R7822   | 4.34       | ...   |
| 3-1469268-7   | Right Angle Female, Keyed, Front Board      | 3, 7            | 25T0514   | 3.35       | ...   |
| 4-1469268-2   | Right Angle Female, Keyed, Front Board      | 4, 2            | 25T0515   | 4.43       | ...   |
| 9-1469268-9   | Right Angle Female, Keyed, Front Board      | ...             | 25T0518   | 4.61       | ...   |
| 1469269-2     | Vertical Rear Alignment Post, 3.0-4.0mm PCB | ...             | 16R1333   | 6.08       | 5.67  |
| 1469269-4     | Vertical Rear Alignment Post, 4.1-6.0mm PCB | ...             | 47M0180   | 6.08       | 5.67  |
| 1469269-6     | Vertical Rear Alignment Post, 6.1-8.0mm PCB | ...             | 27M3481   | 7.34       | ...   |

➔ CONTINUED ➔

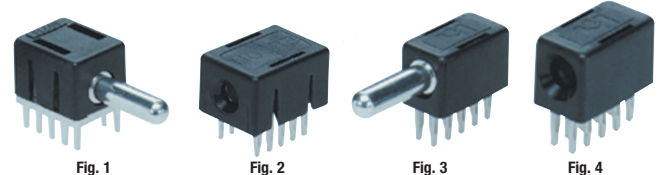
### AMP GUIDE/KEYING MODULES FOR ADVANCED TCA (CONT.)

| Mfg. Part No. | Description                              | Keying Position | Stock No. | Price Each |       |
|---------------|--|-----------------|-----------|------------|-------|
|               |  |                 |           | 1-24       | 25-99 |
| 1-1469372-1   | Right Angle Male, Keyed, Rear Transition | 1, 1            | 36M2647   | 4.13       | 3.86  |
| 2-1469372-2   | Right Angle Male, Keyed, Rear Transition | 2, 2            | 25T0512   | 4.26       | ...   |
| 4-1469372-2   | Right Angle Male, Keyed, Rear Transition | 4, 2            | 22R2467   | 4.44       | ...   |
| 5-1469372-5   | Right Angle Male, Keyed, Rear Transition | 5, 5            | 12P6368   | 11.06      | ...   |
| 6-1469372-8   | Right Angle Male, Keyed, Rear Transition | 6, 8            | 25T0516   | 4.44       | ...   |
| 7-1469372-3   | Right Angle Male, Keyed, Rear Transition | 7, 3            | 23R2131   | 3.74       | ...   |
| 1-1469373-1   | Right Angle Female, Keyed, Front Board   | 1, 1            | 24K3837   | 3.93       | 3.67  |
| 2-1469373-2   | Right Angle Female, Keyed, Front Board   | 2, 2            | 25T0513   | 3.71       | ...   |
| 3-1469373-7   | Right Angle Female, Keyed, Front Board   | 3, 7            | 80K8108   | 4.63       | 4.63  |
| 4-1469373-2   | Right Angle Female, Keyed, Front Board   | 4, 2            | 22R2468   | 3.27       | ...   |
| 5-1469373-5   | Right Angle Female, Keyed, Front Board   | 5, 5            | 12P6383   | 3.27       | ...   |
| 6-1469373-8   | Right Angle Female, Keyed, Front Board   | 6, 8            | 22R9144   | 4.44       | ...   |
| 7-1469373-3   | Right Angle Female, Keyed, Front Board   | 7, 3            | 25T0517   | 3.27       | ...   |
| 1469374-1     | Right Angle Female, Rear Transition      | ...             | 36M2649   | 3.85       | 3.61  |
| 1-1469387-1   | Vertical Male, Backplane, Short Pin      | 1, 1            | 19K8624   | 3.72       | 3.47  |
| 1-1469388-1   | Vertical Male, Mid-Plane, Long Pin       | 1, 1            | 36M2648   | ---        | ---   |

(94370)

### ELCON ICCON POWER CONNECTORS

NEW



- Uses high-performance crown contact
- True compliant press-fit and solder tails
- Standard DIP footprint 0.300 x 0.100 and SLIMLINE ICCON connector 0.100 x 0.100
- Insulator rated at 105°C, UL 94V-0
- Meets US, Canadian and European safety regulator requirements

Provide a reliable high current power interconnection with quick connect/disconnect function for space constrained motherboard-daughterboard, cable-board and board-busbar power delivery applications. 35A current rating. Body material: beryllium copper. Body plating: gold over nickel. Contact material: brass. Contact finish: silver.



#### STANDARD DIP CONNECTORS (0.300 x 0.100" FOOTPRINT)

| Mfg. Part No. | Fig. | Pin Length (in.) | Description     | Stock No. | Price Each |
|---------------|------|------------------|-----------------|-----------|------------|
| 6643281-1     | 1    | 0.47             | R/A Pin         | 43M0228   | 5.87       |
| 6643283-1     | ...  | ...              | Vertical Pin    | 24T5045   | 9.53       |
| 6643232-1     | 2    | ...              | R/A Receptacle  | 43M0227   | 4.08       |
| 6643264-1     | ...  | ...              | Vertical Socket | 79R2173   | 5.35       |

#### SLIMLINE ICCON CONNECTORS (0.100 x 0.100" FOOTPRINT)

|           |   |      |                      |         |       |
|-----------|---|------|----------------------|---------|-------|
| 6643228-1 | 3 | 0.47 | R/A Solder Pin       | 43M0226 | 13.31 |
| 6643229-1 | 4 | ...  | R/A Solder Socket    | 16M4857 | 13.91 |
| 6643220-1 | 4 | ...  | R/A Press-Fit Socket | 24T5044 | 8.80  |

#### STACKED ICCON CONNECTORS

|           |   |     |                  |         |       |
|-----------|---|-----|------------------|---------|-------|
| 2085181-1 | 5 | ... | 2-Pos.R/A Socket | 24T5043 | 49.97 |
|-----------|---|-----|------------------|---------|-------|

#### 3.17MM DIAMETER POWER GUIDE PINS

| Mfg. Part No. | Fig. | Pin Length (mm) | Screw Length (mm) | Thread Size | Stock No. | Price Each |
|---------------|------|-----------------|-------------------|-------------|-----------|------------|
| 1766663-1     | 6    | 16              | 9.35              | M3          | 43M0214   | 5.59       |
| 1766663-2     | 6    | 18              | 9.35              | M3          | 43M0215   | 5.88       |

(94379)

### AMP UNIVERSAL POWER MODULES

NEW



- Housing: Natural color PBT UL 94V-0
- Standard Power Contacts: Gold plated Phosphor bronze
- High Power Contacts: Gold plated Copper alloy

#### RIGHT ANGLE STANDARD POWER UNIVERSAL POWER MODULES

| Mfg. Part No. | No. of Positions | Pin Sequence* | Gender | Amps | Stock No. | Price Each |         |
|---------------|------------------|---------------|--------|------|-----------|------------|---------|
|               |                  |               |        |      |           | 1-99       | 100-999 |
| 223961-1      | 3                | L,L,L         | Header | 10   | 33B6931   | 4.01       |         |
| 5223961-1     | 3                | L,L,L         | Header | 10   | 42K7111   | 4.98       |         |
| 5223963-1     | 3                | M,L,M         | Header | 10   | 42K7112   | 9.90       |         |
| 5646954-1     | 4                | L,L,L,L       | Header | 10   | 19R2921   | 5.74       |         |
| 5646954-2     | 4                | S,M,L,S       | Header | 10   | 19R2922   | 7.24       |         |

➔ CONTINUED ➔



AMP UNIVERSAL POWER MODULES (CONT.)

| Mfg. Part No. | No. of Positions | Pin Sequence*       | Gender | Amps | Stock No. | Price Each |
|---------------|------------------|---------------------|--------|------|-----------|------------|
|               |                  |                     |        |      |           | 1-99       |
| 5646954-3     | 4                | L,S,M,S             | Header | 10   | 19R2923   | 7.43       |
| 5646954-4     | 4                | L,M,M,S             | Header | 10   | 25T0614   | 14.52      |
| 5646954-5     | 4                | M,S,S,M             | Header | 10   | 25T0615   | 5.75       |
| 5646955-1     | 5                | L,L,L,L             | Header | 10   | 19R2924   | 6.60       |
| 5646955-2     | 5                | M,M,M,M,L           | Header | 10   | 19R2925   | 7.64       |
| 5646955-3     | 5                | L,M,M,M,M           | Header | 10   | 19R2926   | 9.78       |
| 5646955-4     | 5                | L,L,L,M             | Header | 10   | 25T0616   | 13.24      |
| 5646956-1     | 6                | L,L,L,L,L           | Header | 10   | 19R2927   | 9.48       |
| 5646956-2     | 6                | L,M,M,M,M,L         | Header | 10   | 19R2928   | 6.83       |
| 5646956-3     | 6                | L,L,M,M,S,S         | Header | 10   | 19R2929   | 13.96      |
| 5646956-4     | 6                | L,M,S,L,L           | Header | 10   | 25T0617   | ---        |
| 5646956-5     | 6                | L,S,S,M,M           | Header | 10   | 25T0618   | ---        |
| 5646956-6     | 6                | M,M,M,M,S,S         | Header | 10   | 25T0619   | ---        |
| 5646957-1     | 7                | L,L,L,L,L,L         | Header | 10   | 19R2930   | 7.08       |
| 5646957-2     | 7                | L,M,S,S,S,S         | Header | 10   | 25T0620   | 16.72      |
| 5646958-1     | 8                | L,L,L,L,L,L,L       | Header | 10   | 19R2931   | 8.61       |
| 5646958-2     | 8                | L,S,L,S,L,S,L       | Header | 10   | 19R2932   | 10.01      |
| 5646958-3     | 8                | L,L,M,M,S,S,S,S     | Header | 10   | 25T0621   | ---        |
| 5646959-1     | 9                | L,L,L,L,L,L,L,L     | Header | 10   | 19R2933   | 8.27       |
| 5646960-1     | 10               | L,L,L,L,L,L,L,L,L   | Header | 10   | 19R2934   | 10.29      |
| 5646961-1     | 11               | L,L,L,L,L,L,L,L,L,L | Header | 10   | 19R2935   | 11.03      |
| 5646961-2     | 11               | L,M,M,M,M,M,M,M,L   | Header | 10   | 25T0622   | ---        |

RIGHT ANGLE HIGH POWER UNIVERSAL POWER MODULES

|             |    |                       |        |    |         |       |
|-------------|----|-----------------------|--------|----|---------|-------|
| 5-5223961-1 | 3  | L,L,L                 | Header | 16 | 45P6004 | 4.44  |
| 5-5223963-1 | 3  | M,L,M                 | Header | 16 | 25T0608 | ---   |
| 120954-1    | 4  | L,L,L,L               | Header | 16 | 50M3026 | 6.74  |
| 120954-2    | 4  | L,M,S,S               | Header | 16 | 25T0576 | 14.34 |
| 120954-5    | 4  | L,L,M,M               | Header | 16 | 01P4436 | 7.24  |
| 120955-1    | 5  | L,L,L,L,L             | Header | 16 | 17R2787 | 5.85  |
| 120955-2    | 5  | M,M,M,M,M             | Header | 16 | 25T0577 | ---   |
| 120956-1    | 6  | L,L,L,L,L,L           | Header | 16 | 73P5373 | ---   |
| 120956-2    | 6  | L,M,S,S,S,S           | Header | 16 | 25T0578 | 13.09 |
| 120957-1    | 7  | L,L,L,L,L,L,L         | Header | 16 | 03P1791 | 8.57  |
| 120957-2    | 7  | L,S,S,L,S,S,L         | Header | 16 | 42M0502 | 7.88  |
| 120958-1    | 8  | L,L,L,L,L,L,L         | Header | 16 | 17R2788 | 8.04  |
| 120958-2    | 8  | L,M,S,S,S,S,S         | Header | 16 | 17R2789 | 9.60  |
| 120959-1    | 9  | L,L,L,L,L,L,L,L       | Header | 16 | 25T0579 | ---   |
| 120960-1    | 10 | L,L,L,L,L,L,L,L,L     | Header | 16 | 25T0580 | ---   |
| 120961-1    | 11 | L,L,L,L,L,L,L,L,L,L   | Header | 16 | 25T0581 | ---   |
| 120962-1    | 12 | L,L,L,L,L,L,L,L,L,L,L | Header | 16 | 25T0582 | ---   |

SLIM RIGHT ANGLE UNIVERSAL POWER MODULES

|           |   |         |        |   |         |       |
|-----------|---|---------|--------|---|---------|-------|
| 1903977-1 | 4 | L,M,S,L | Header | 8 | 43M0217 | 16.06 |
| 1903977-2 | 4 | L,S,S,L | Header | 8 | 24T5875 | ---   |

VERTICAL UNIVERSAL POWER MODULES - 15mm STACK HEIGHT

|           |   |                   |        |    |         |       |
|-----------|---|-------------------|--------|----|---------|-------|
| 1645498-1 | 3 | M,M,M             | Header | 10 | 25T0592 | 6.08  |
| 1645498-2 | 4 | M,M,M,M           | Header | 10 | 25T0593 | 6.08  |
| 1645498-3 | 5 | M,M,M,M,M         | Header | 10 | 25T0594 | ---   |
| 1645498-4 | 6 | M,M,M,M,M,M       | Header | 10 | 25T0595 | 8.04  |
| 1645498-5 | 7 | M,M,M,M,M,M,M     | Header | 10 | 25T0596 | ---   |
| 1645498-6 | 8 | M,M,M,M,M,M,M,M   | Header | 10 | 25T0597 | ---   |
| 1645498-7 | 9 | M,M,M,M,M,M,M,M,M | Header | 10 | 25T0598 | 10.83 |

VERTICAL UNIVERSAL POWER MODULES - 18mm STACK HEIGHT

|           |   |                   |        |    |         |     |
|-----------|---|-------------------|--------|----|---------|-----|
| 1645499-1 | 3 | M,M,M             | Header | 10 | 25T0599 | --- |
| 1645499-2 | 4 | M,M,M,M           | Header | 10 | 25T0600 | --- |
| 1645499-3 | 5 | M,M,M,M,M         | Header | 10 | 25T0601 | --- |
| 1645499-4 | 6 | M,M,M,M,M,M       | Header | 10 | 25T0602 | --- |
| 1645499-5 | 7 | M,M,M,M,M,M,M     | Header | 10 | 25T0603 | --- |
| 1645499-6 | 8 | M,M,M,M,M,M,M,M   | Header | 10 | 25T0604 | --- |
| 1645499-7 | 9 | M,M,M,M,M,M,M,M,M | Header | 10 | 25T0605 | --- |

\*Sequencing reads left-to-right along mating face. L (long) = 0.429 [10.9], M (medium) = 0.366 [9.3], S (short) = 0.302 [7.68]

VERTICAL STANDARD POWER UNIVERSAL POWER MODULES

| Mfg. Part No. | No. of Positions | Gender     | Amps | Stock No. | Price Each |
|---------------|------------------|------------|------|-----------|------------|
|               |                  |            |      |           | 1-99       |
| 223955-2      | 3                | Receptacle | 10   | 33B6928   | 4.27       |
| 5223955-2     | 3                | Receptacle | 10   | 42K7109   | ---        |
| 5223995-1     | 4                | Receptacle | 10   | 42K7114   | 5.98       |
| 5223995-2     | 5                | Receptacle | 10   | 19R1926   | 6.00       |
| 5223995-3     | 6                | Receptacle | 10   | 19R1927   | 7.22       |
| 5223995-4     | 7                | Receptacle | 10   | 19R1928   | 10.06      |
| 5223995-5     | 8                | Receptacle | 10   | 25T0612   | 12.04      |
| 5223995-6     | 9                | Receptacle | 10   | 25T0613   | ---        |

➔ CONTINUED ➔

AMP UNIVERSAL POWER MODULES (CONT.)

VERTICAL HIGH POWER UNIVERSAL POWER MODULES

| Mfg. Part No. | No. of Positions | Gender     | Amps | Stock No. | Price Each |
|---------------|------------------|------------|------|-----------|------------|
|               |                  |            |      |           | 1-99       |
| 5-5223955-2   | 3                | Receptacle | 16   | 43M0225   | 4.38       |
| 120953-1      | 4                | Receptacle | 16   | 43M0203   | 6.57       |
| 120953-2      | 5                | Receptacle | 16   | 43M0204   | 6.84       |
| 120953-3      | 6                | Receptacle | 16   | 17R2785   | 7.93       |
| 120953-4      | 7                | Receptacle | 16   | 42M0501   | 8.99       |
| 120953-5      | 8                | Receptacle | 16   | 17R2786   | 10.22      |
| 120953-6      | 9                | Receptacle | 16   | 25T0572   | 13.42      |
| 120953-7      | 10               | Receptacle | 16   | 25T0573   | 12.83      |
| 120953-8      | 11               | Receptacle | 16   | 25T0574   | ---        |
| 120953-9      | 12               | Receptacle | 16   | 25T0575   | ---        |

SLIM VERTICAL MOUNT UNIVERSAL POWER MODULES

|           |   |            |    |         |      |
|-----------|---|------------|----|---------|------|
| 1903978-1 | 4 | Receptacle | 16 | 43M0218 | 8.65 |
|-----------|---|------------|----|---------|------|

RIGHT ANGLE HIGH POWER UNIVERSAL POWER MODULES

|          |   |            |    |         |       |
|----------|---|------------|----|---------|-------|
| 120943-1 | 3 | Receptacle | 16 | 58R2811 | 7.04  |
| 120943-2 | 4 | Receptacle | 16 | 25T0568 | 4.57  |
| 120943-3 | 5 | Receptacle | 16 | 25T0291 | 6.78  |
| 120943-4 | 6 | Receptacle | 16 | 67R4491 | 11.17 |
| 120943-5 | 7 | Receptacle | 16 | 25T0569 | 13.16 |
| 120943-6 | 8 | Receptacle | 16 | 25T0570 | 9.86  |
| 120943-7 | 9 | Receptacle | 16 | 25T0571 | ---   |

UN-KEYED GUIDE MODULES

| Mfg. Part No. | Description                                      | Stock No. | Price Each |
|---------------|--|-----------|------------|
|               |  |           | 1-99       |
| 223956-1      | Vertical Guide Pin - M4, 6.2 mm Thread Length    | 33B6929   | 3.38       |
| 223982-1      | Vertical Guide Pin - M4, 7.5 mm Thread Length    | 12H6928   | 3.89       |
| 223969-1      | Vertical Guide Pin - M4, 12.7 mm Thread Length   | 85C0641   | 6.36       |
| 223969-4      | Vertical Guide Pin - 8-32, 12.7 mm Thread Length | 15H5686   | 5.41       |
| 223969-7      | Vertical Guide Pin - M4, 9.2 mm Thread Length    | 12H6919   | 10.67      |
| 5223957-1     | Right Angle Guide Module - 4-40                  | 42K7110   | 2.09       |
| 5223957-3     | Right Angle Guide Module - M3                    | 14R4456   | 2.15       |
| 1934988-1     | Vertical Guide Module - 6-32, 1.7mm Thick Board  | 25T0606   | ---        |
| 1934988-6     | Vertical Guide Module - 6-32, 2.2mm Thick Board  | 25T0607   | ---        |

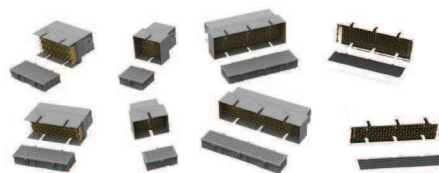
KEYED GUIDE MODULES

|           |  |         |      |
|-----------|--|---------|------|
| 1469265-1 | Right Angle Guide Pin - 0° Keying            | 25T0583 | 2.41 |
| 1469265-2 | Right Angle Guide Pin - 45° Keying           | 25T0584 | 2.41 |
| 1469265-3 | Right Angle Guide Pin - 90° Keying           | 25T0585 | 2.41 |
| 1469265-4 | Right Angle Guide Pin - 135° Keying          | 25T0586 | 2.15 |
| 1469265-5 | Right Angle Guide Pin - 180° Keying          | 25T0587 | 2.41 |
| 1469265-6 | Right Angle Guide Pin - 225° Keying          | 25T0588 | ---  |
| 1469265-7 | Right Angle Guide Pin - 270° Keying          | 25T0589 | 1.76 |
| 1469265-8 | Right Angle Guide Pin - 315° Keying          | 25T0590 | 2.15 |
| 1469265-9 | Right Angle Guide Pin - Round, No Keying     | 25T0591 | 1.76 |
| 5223986-1 | Right Angle Guide Module - 4-40, 0° Keying   | 96M9122 | 2.82 |
| 5120913-1 | Right Angle Guide Module - M2.5, 0° Keying   | 19R1076 | 2.64 |
| 5120913-2 | Right Angle Guide Module - M2.5, 45° Keying  | 25T0609 | 2.71 |
| 5120913-3 | Right Angle Guide Module - M2.5, 90° Keying  | 19R1077 | 2.64 |
| 5120913-4 | Right Angle Guide Module - M2.5, 135° Keying | 25T0610 | 2.71 |
| 5120913-5 | Right Angle Guide Module - M2.5, 180° Keying | 19R1078 | 2.64 |
| 5120913-6 | Right Angle Guide Module - M2.5, 225° Keying | 19R1079 | 2.64 |
| 5120913-7 | Right Angle Guide Module - M2.5, 270° Keying | 25T0611 | 2.71 |
| 5120913-8 | Right Angle Guide Module - M2.5, 315° Keying | 19R1080 | 2.67 |

(94380)

FORTIS ZD NEXT-GEN BACKPLANE CONNECTORS

NEW



- Contacts: Gold plated copper alloy; Tin/lead on tails
- Housings: High temperature thermoplastic
- Shell shield: Copper alloy, Tin/lead plated
- Shell machined: Nickel plated 6061 Aluminum
- Durability: 500 mating cycles
- Operating temperature: -55°C to +125°C
- Contact engaging & separating force: 3 oz. typical
- 10 and 20 column modules
- 3-pair (9-row) and 2-pair (6-row) modules
- 6U configuration offers 300 differential pairs
- 6 row module enables 0.6" reduced form factor card pitch
- Modularity enables scalability for various card sizes

The Fortis Zd modular backplane connector system combines the highest performance mil/aero and commercial technologies into a user configurable platform. Built to be the most robust and highest performance backplane connector, it allows 12 Gb/s+ data rates. Extreme mechanical and electrical performance for the most demanding

➔ CONTINUED ➔

## BACKPLANE CONNECTORS

### FORTIS ZD NEXT-GEN BACKPLANE CONNECTORS (CONT.)

applications. A modular design allows for user configurability and modular evolution. The M55302 heritage Mini-Box separable interface provides 4 points of contact on all sides of the pin. Three shell varieties for application versatility, including plastic, shielded and a machined metal shell. 3-Pair and 2-Pair versions available to accommodate multiple slot pitches. Staggered daughtercard pin field supports 2 level maintenance Protected pin field on backplane for reliability and durability.

#### RIGHT ANGLE CONNECTOR MODULES

| Mfg. Part No. | No. of Single Ended Contacts | No. of Rows | No. of Columns | Description | Stock No. | Price Each |        |
|---------------|------------------------------|-------------|----------------|-------------|-----------|------------|--------|
|               |                              |             |                |             |           | 1-24       | 25-49  |
| 2000890-1     | 90                           | 9 Row       | 10             | Left        | 25T0332   | 59.53      | 57.84  |
| 2000891-1     | 90                           | 9 Row       | 10             | Center      | 25T0333   | 61.61      | 61.61  |
| 2000903-1     | 180                          | 9 Row       | 20             | Center      | 25T0337   | 123.31     | 123.31 |
| 2000892-1     | 90                           | 9 Row       | 10             | Right       | 25T0334   | 66.35      | 66.35  |
| 2102155-1     | 90                           | 9 Row       | 10             | Full Shroud | 25T0339   | 62.65      | 59.20  |
| 2102159-1     | 180                          | 9 Row       | 20             | Full Shroud | 25T0341   | 125.30     | 118.41 |

#### VERTICAL CONNECTOR MODULES

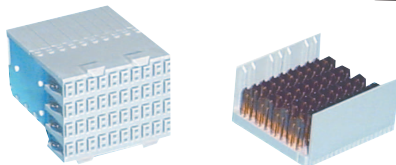
| Mfg. Part No. | No. of Single Ended Contacts | No. of Rows | No. of Columns | Description | Stock No. | Price Each |         |
|---------------|------------------------------|-------------|----------------|-------------|-----------|------------|---------|
|               |                              |             |                |             |           | 1-99       | 100-999 |
| 2000895-1     | 90                           | 9 Row       | 10             | End         | 25T0335   | 58.43      | 55.57   |
| 2000896-1     | 90                           | 9 Row       | 10             | Center      | 25T0336   | 52.79      | 52.79   |
| 2000905-1     | 180                          | 9 Row       | 20             | Center      | 25T0338   | 101.61     | 101.61  |
| 2102157-1     | 90                           | 9 Row       | 10             | Full Shroud | 25T0340   | 51.87      | 49.29   |
| 2102161-1     | 180                          | 9 Row       | 20             | Full Shroud | 25T0342   | 102.91     | 99.98   |

#### ACCESSORIES

| Mfg. Part No. | Description           | Stock No. | Price Each |         |
|---------------|-----------------------|-----------|------------|---------|
|               |                       |           | 1-99       | 100-999 |
| 2000713-1     | Guide Pin             | 25T0331   | 157.50     | 157.50  |
| 2000676-2     | Guide Module - ESD    | 25T0330   | 55.09      | 55.09   |
| 2-2000677-0   | Guide Module - No ESD | 25T0329   | 118.36     | 118.36  |

(192455)

### AMP Z-PACK HM-ZD CONNECTOR SYSTEM FOR ADVANCED TCA



Pin Headers

#### HIGH SPEED VERTICAL PIN HEADER CONNECTORS

| Mfg. Part No. | No. of Positions | No. of Columns | Stock No. | Price Each |       |
|---------------|------------------|----------------|-----------|------------|-------|
|               |                  |                |           | 1-24       | 25-99 |
| 6469002-2     | 80               | 10             | 36M2654   | 14.49      | 13.20 |
| 6469074-1     | 80               | 10             | 42K8816   | 28.19      | 25.38 |

#### HIGH SPEED RIGHT-ANGLE PIN HEADER CONNECTORS

|           |    |    |         |       |       |
|-----------|----|----|---------|-------|-------|
| 6469048-1 | 80 | 10 | 42K7652 | 26.40 | 24.08 |
|-----------|----|----|---------|-------|-------|

#### ATCA POWER CONNECTORS

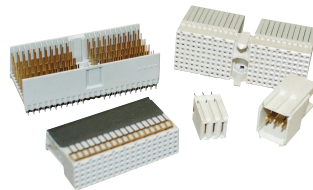
| Mfg. Part No. | No. of Pos. | Description                                       | Stock No. | Price Each |       |
|---------------|-------------|---|-----------|------------|-------|
|               |             |   |           | 1-4        | 5-9   |
| 1766500-1     | 30          | Right Angle Header, Front Board, Tin Plated Tails | 36M2650   | 30.48      | 30.48 |
| 1766501-1     | 30          | Vertical Receptacle, Backplane, Tin Plated Tails  | 36M2651   | 14.47      | 14.47 |

(92297)

### AMP Z-PACK 2MM HM PCB MOUNT CONNECTORS



- Contact pitch is 1.5mm within a pair and 3.0mm pair within a column; column to column pitch is 2.5mm
- Card Pitch is less than 0.8 in. for 2 pair headers and 1.0 in. for 4 pair header



Z-PACK HM is a high speed, differential connector system. Feature a highly reliable dual beam contact system with fully encompassing grounds dedicated to each differential pair. The Z-PACK HM footprint is optimized for both routability and system performance with the use of 1.5mm x 2.5mm row column grid, 5 and 8 rows. Available in two versions.

#### VERTICAL FIXED BOARD PLUG CONNECTORS, ACTION PIN POSTS, SIGNAL

| Mfg. Part No. | Conn. Type | Total Contacts | Signal Contacts | Guide | Gender | Number of Rows | Stock No. | Price Each |       |
|---------------|------------|----------------|-----------------|-------|--------|----------------|-----------|------------|-------|
|               |            |                |                 |       |        |                |           | 1-24       | 25-49 |
| 5100159-1     | C          | 55             | 55              | End   | Header | 5              | 42K6967   | 3.02       |       |
| 106012-1      | C          | 55             | 55              | None  | Header | 5              | 86C7359   | 12.70      |       |
| 106081-1      | C          | 77             | 55              | End   | Header | 5+2            | 33B4572   | 7.01       |       |

CONTINUED

### AMP Z-PACK 2MM HM PCB MOUNT CONNECTORS (CONT.)

| Mfg. Part No. | Conn. Type | Total Contacts | Signal Contacts | Guide           | Gender | Number of Rows | Stock No. | Price Each |       |
|---------------|------------|----------------|-----------------|-----------------|--------|----------------|-----------|------------|-------|
|               |            |                |                 |                 |        |                |           | 1-24       | 25-49 |
| 5646513-1     | F          | 88             | 88              | End             | Header | 8+2            | 42K8775   | 6.61       |       |
| 100143-1      | A          | 110            | 110             | Center w/Keying | Header | 5              | 33B3935   | 7.30       |       |
| 5100143-1     | A          | 110            | 110             | Center w/Keying | Header | 5              | 71M0790   | 5.42       |       |
| 100141-1      | B          | 125            | 125             | None            | Header | 5              | 33B3934   | 6.68       |       |
| 5100141-1     | B          | 125            | 125             | None            | Header | 5              | 19R0880   | 4.90       |       |
| 5352033-1     | B          | 133            | 133             | None            | Header | 7              | 42K7140   | 6.81       |       |
| 5100668-1     | A          | 154            | 110             | Center w/Keying | Header | 5+2            | 42K6969   | 8.15       |       |
| 5646372-1     | D          | 176            | 176             | Center w/Keying | Header | 8              | 73K1680   | ---        |       |
| 5646356-1     | E          | 220            | 200             | None            | Header | 8+2            | 42K7326   | 13.83      |       |

#### RIGHT ANGLE FREE BOARD PLUG CONNECTORS, ACTION PIN POSTS, SIGNAL

|           |   |     |     |                 |        |   |         |       |  |
|-----------|---|-----|-----|-----------------|--------|---|---------|-------|--|
| 5352406-1 | B | 95  | 95  | None            | Header | 5 | 22R8253 | 17.37 |  |
| 106015-1  | A | 110 | 110 | Center w/Keying | Header | 5 | 33B4570 | 14.84 |  |
| 5106015-1 | A | 110 | 110 | Center w/Keying | Header | 5 | 42K6988 | 16.98 |  |
| 5352131-1 | B | 110 | 110 | None            | Header | 5 | 42K7147 | 16.63 |  |
| 106014-1  | B | 125 | 125 | None            | Header | 5 | 33B4569 | 25.87 |  |

#### VERTICAL FREE BOARD RECEPTACLE CONNECTORS, ACTION PIN POSTS, SIGNAL

|           |   |     |     |                 |            |   |         |       |  |
|-----------|---|-----|-----|-----------------|------------|---|---------|-------|--|
| 106775-1  | C | 55  | 55  | None            | Receptacle | 5 | 33B4583 | 6.27  |  |
| 106773-1  | A | 110 | 110 | Center w/Keying | Receptacle | 5 | 33B4580 | 12.22 |  |
| 5106773-1 | A | 110 | 110 | Center w/Keying | Receptacle | 5 | 42K6992 | 15.13 |  |
| 106774-1  | B | 125 | 125 | None            | Receptacle | 5 | 33B4581 | 16.57 |  |

#### RIGHT ANGLE FREE BOARD RECEPTACLE CONNECTORS, ACTION PIN POSTS, SIGNAL

|           |    |     |     |                 |            |   |         |       |  |
|-----------|----|-----|-----|-----------------|------------|---|---------|-------|--|
| 100161-1  | C  | 55  | 55  | End             | Receptacle | 5 | 33B3938 | 3.84  |  |
| 5100161-1 | C  | 55  | 55  | End             | Receptacle | 5 | 42K6968 | 4.80  |  |
| 5352115-1 | C  | 55  | 55  | End             | Receptacle | 5 | 42K7145 | 6.32  |  |
| 5352171-1 | B  | 95  | 95  | None            | Receptacle | 5 | 42K7149 | 8.67  |  |
| 5352009-1 | B  | 95  | 95  | None            | Receptacle | 5 | 42K7139 | 10.29 |  |
| 5646488-1 | AB | 95  | 110 | None            | Receptacle | 5 | 42K7335 | ---   |  |
| 5352068-1 | A  | 110 | 110 | Center w/Keying | Receptacle | 5 | 42K7141 | 11.16 |  |
| 5100147-1 | A  | 110 | 110 | Center w/Keying | Receptacle | 5 | 42K6965 | 7.67  |  |
| 5646489-1 | AB | 110 | 110 | None            | Receptacle | 5 | 42K7336 | 11.93 |  |
| 5352152-1 | B  | 110 | 125 | None            | Receptacle | 5 | 42K7148 | 7.98  |  |
| 5100145-1 | B  | 125 | 125 | None            | Receptacle | 5 | 42K6963 | 8.45  |  |
| 5352069-1 | B  | 125 | 125 | Center w/Keying | Receptacle | 5 | 42K7143 | 11.87 |  |

#### VERTICAL FIXED BOARD PLUG CONNECTORS, SIGNAL

|           |   |     |     |                 |        |   |         |       |  |
|-----------|---|-----|-----|-----------------|--------|---|---------|-------|--|
| 5352332-1 | A | 154 | 110 | Center w/Keying | Header | 5 | 42K7150 | 7.66  |  |
| 5188834-1 | A | 154 | 125 | None            | Header | 5 | 42K7064 | 10.15 |  |
| 5188835-1 | B | 154 | 125 | None            | Header | 5 | 42K7065 | 9.06  |  |

#### CODING KEY

| Mfg. Part No. | For Use With   | Code No. | Stock No. | Price Each |
|---------------|--|----------|-----------|------------|
| 100525-3      | Male Type A, Type D, Type L, and Type M Connectors   | 1236     | 10H6022   | 1.01       |
| 100525-9      | Male Type A, Type D, Type L, and Type M Connectors   | 1248     | 10H6025   | 0.84       |
| 3-100525-2    | Male Type A, Type D, Type L, and Type M Connectors   | 1567     | 33B7176   | 0.57       |
| 5-100525-6    | Male Type A, Type D, Type L, and Type M Connectors   | 3456     | 33B9238   | 0.45       |
| 6-100525-1    | Male Type A, Type D, Type L, and Type M Connectors   | 3478     | 34B539    | 0.66       |
| 100526-3      | Female Type A, Type D, Type L, and Type M Connectors | 4578     | 33B3939   | 0.62       |
| 100526-9      | Female Type A, Type D, Type L, and Type M Connectors | 3567     | 10H6029   | 0.52       |
| 3-100526-2    | Female Type A, Type D, Type L, and Type M Connectors | 2348     | 88F5762   | 0.47       |
| 5-100526-4    | Female Type A, Type D, Type L, and Type M Connectors | 1346     | 13H6249   | 0.66       |
| 5-100526-6    | Female Type A, Type D, Type L, and Type M Connectors | 1278     | 33B9239   | 0.72       |

(80532)

Visit Newark's element14 community

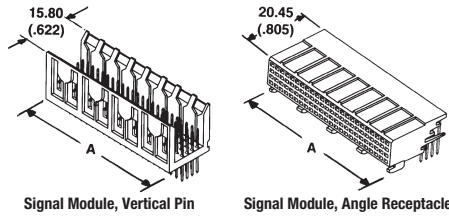
Get inspired at our electronics community. Collaborate, design, research, ask experts questions.

www.element14.com

(198545)

BACKPLANE CONNECTORS

AMP Z-PACK 2MM FUTUREBUS+ (FB+) CONNECTORS



Two-piece module connector system for signal high-density connections: 4 and 5 rows, 2mm x 2mm (50.80 x 50.80") circuit grid. Complies with Futurebus+, EIA IS 64 and IEC1076-4-0X(48B) specifications. Liquid crystal polymer housing. Choice of solder or solderless, compliant press-fit leads, both duplex plated gold flash over palladium-nickel mating surface, tin-lead on solder lead with nickel underlayer. Vertical pin assemblies feature phosphor bronze contacts. Right-angle receptacle assemblies feature copper alloy 18C contacts. Signal modules are end-to-end stackable. Current rating at 70°C in air: signal/3A power contacts.

VERTICAL PIN ASSEMBLIES (FIXED-BOARD HEADERS) SIGNAL MODULES, 4 ROW, SOLDER LEADS

| Mfg. Part No. | Positions | Dim. A (In.) | Stock No. | Price Each |       |       |
|---------------|-----------|--------------|-----------|------------|-------|-------|
|               |           |              |           | 1-24       | 25-49 | 50-99 |
| 5536501-3     | 96        | 1.89         | 42K7277   | 9.80       | 9.80  | 9.53  |
| 5536501-4     | 192       | 3.78         | 73K1673   | 14.02      | 13.63 | 13.63 |

VERTICAL PIN ASSEMBLIES (FIXED-BOARD HEADERS) SIGNAL MODULES, 5 ROW PRESS FIT LEADS

|           |     |      |         |       |       |       |
|-----------|-----|------|---------|-------|-------|-------|
| 5223002-1 | 30  | 0.47 | 73K1644 | 4.75  | 4.45  | 4.45  |
| 5223002-4 | 120 | 1.89 | 73K1647 | ---   | ---   | ---   |
| 5223016-1 | 30  | 0.47 | 73K1654 | 4.80  | 4.50  | 4.50  |
| 5223016-2 | 60  | 0.94 | 73K1655 | ---   | ---   | ---   |
| 5223016-4 | 120 | 1.40 | 73K1656 | 19.00 | 19.00 | 17.30 |
| 5223016-8 | 240 | 3.78 | 73K1657 | ---   | ---   | ---   |

POWER MODULES

| Mfg. Part No. | Positions | Lead Style | Stock No. | Price Each |       |         |
|---------------|-----------|------------|-----------|------------|-------|---------|
|               |           |            |           | 1-49       | 50-99 | 100-499 |
| 5536642-1     | 10        | Press Fit  | 42K8729   | 6.03       | 5.74  | 4.88    |

RIGHT-ANGLE RECEPTACLE ASSEMBLIES (FREE-BOARD) SIGNAL MODULES, SOLDER LEADS

| Mfg. Part No. | Positions | Lead Lgth. (In.) | Dim. A (In.) | Stock No. | Price Each |       |         |
|---------------|-----------|------------------|--------------|-----------|------------|-------|---------|
|               |           |                  |              |           | 1-24       | 25-99 | 100-499 |
| 5536507-1     | 24        | 0.107            | 0.47         | 42K7282   | 3.10       | 2.71  | 2.26    |
| 5536507-2     | 48        | 0.107            | 0.94         | 42K7283   | 5.09       | 4.62  | 3.29    |
| 5536507-4     | 192       | 0.107            | 3.78         | 42K7285   | ---        | ---   | ---     |
| 5536510-1     | 24        | 0.139            | 0.47         | 73K1675   | ---        | ---   | ---     |
| 5536510-2     | 48        | 0.139            | 0.94         | 73K1676   | ---        | ---   | ---     |
| 5536510-3     | 96        | 0.139            | 1.89         | 42K7287   | 10.18      | 10.12 | 8.71    |
| 5536510-4     | 192       | 0.139            | 3.78         | 73K1677   | ---        | ---   | ---     |

RIGHT-ANGLE RECEPTACLE ASSEMBLIES (FREE-BOARD) SIGNAL MODULES, 5 ROW PRESS FIT LEAD

|           |     |       |      |         |       |       |       |
|-----------|-----|-------|------|---------|-------|-------|-------|
| 223008-1  | 30  | 0.140 | 0.47 | 03H3388 | 4.29  | 3.44  | 3.09  |
| 5223008-1 | 30  | 0.140 | 0.47 | 42K7104 | 3.17  | 3.17  | 3.08  |
| 223008-2  | 60  | 0.140 | 0.94 | 03H3390 | 12.94 | 10.35 | 9.29  |
| 5223008-2 | 60  | 0.140 | 0.94 | 42K7105 | ---   | ---   | ---   |
| 5223008-3 | 90  | 0.140 | 1.40 | 73K1653 | ---   | ---   | ---   |
| 223008-4  | 120 | 0.140 | 1.89 | 03H3395 | 9.63  | 8.83  | 9.61  |
| 5223008-4 | 120 | 0.140 | 1.89 | 42K7106 | 13.15 | 11.83 | 10.18 |
| 223008-8  | 240 | 0.140 | 3.78 | 12H6748 | 29.35 | 23.48 | 21.08 |
| 5223008-8 | 240 | 0.140 | 3.78 | 42K7108 | ---   | ---   | ---   |

RIGHT-ANGLE RECEPTACLE ASSEMBLIES (FREE-BOARD) SIGNAL MODULES, 5 ROW PRESS SOLDER LEADS

|           |     |       |      |         |      |      |      |
|-----------|-----|-------|------|---------|------|------|------|
| 5223004-2 | 60  | 0.107 | 0.94 | 42K7103 | 6.92 | 6.02 | 5.12 |
| 5223004-3 | 90  | 0.107 | 1.40 | 73K1648 | ---  | ---  | ---  |
| 5223004-4 | 120 | 0.107 | 1.89 | 73K1649 | ---  | ---  | ---  |
| 5223004-8 | 240 | 0.107 | 3.78 | 73K1650 | ---  | ---  | ---  |

SIGNAL MODULES, COMPLIANT PRESS-FIT LEADS

| Mfg. Part No. | Positions | Lead Lgth. (In.) | Dim. A (In.) | Stock No. | Price Each |       |       |
|---------------|-----------|------------------|--------------|-----------|------------|-------|-------|
|               |           |                  |              |           | 1-9        | 10-24 | 25-49 |
| 536511-1      | 24        | 0.115            | 0.47         | 97F8594   | 5.06       | 5.06  | 4.54  |
| 536511-2      | 48        | 0.115            | 0.94         | 97F8595   | ---        | ---   | ---   |
| 5536511-2     | 48        | 0.115            | 0.94         | 42K7289   | 4.78       | 4.78  | 4.47  |
| 536511-3      | 96        | 0.115            | 1.89         | 97F8596   | ---        | ---   | ---   |
| 5536511-3     | 96        | 0.115            | 1.89         | 42K7290   | 8.12       | 8.12  | 8.12  |
| 536511-4      | 192       | 0.115            | 3.78         | 97F8597   | 21.98      | 21.98 | 19.68 |
| 5536511-4     | 192       | 0.115            | 3.78         | 42K7291   | 21.06      | 20.48 | 20.15 |

▶ CONTINUED ▶

AMP Z-PACK 2MM FUTUREBUS+ (FB+) CONNECTORS (CONT.)

POWER MODULES, SOLDER LEADS

| Mfg. Part No. | Positions | Lead Lgth. (In.) | Dim. A (In.) | Stock No. | Price Each |       |         |
|---------------|-----------|------------------|--------------|-----------|------------|-------|---------|
|               |           |                  |              |           | 1-24       | 25-99 | 100-499 |
| 5536607-1     | 8         | 0.107            | ...          | 42K8728   | ---        | ---   | ---     |

POWER MODULES, FREE BOARD RIGHT ANGLE RECEPTACLE ASSEMBLIES, 4 ROW, PRESS FIT LEADS

|           |   |       |      |         |     |     |     |
|-----------|---|-------|------|---------|-----|-----|-----|
| 5536614-1 | 8 | 0.140 | 0.47 | 73K1678 | --- | --- | --- |
|-----------|---|-------|------|---------|-----|-----|-----|

POWER MODULES, 5 ROW, RIGHT-ANGLE ASSEMBLY, PRESS FIT LEADS

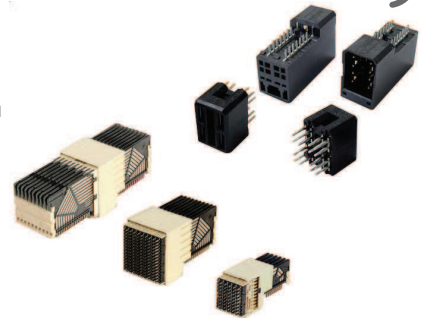
|           |    |       |      |         |     |     |     |
|-----------|----|-------|------|---------|-----|-----|-----|
| 5536649-1 | 10 | 0.140 | 0.47 | 73K1679 | --- | --- | --- |
|-----------|----|-------|------|---------|-----|-----|-----|

AIRMAX VS® HIGH SPEED CONNECTORS



- Shield less connector system
- High pin density per module
- Designed to fit HM (Hard Metric) building practice
- No pre-assigned ground pins
- Excellent electrical performance
- Versatile IMLA design (Insert Moulded Lead frame Assembly)
- Low weight and low mating forces

The AirMax VS® connector is a revolutionary connector system that offers scalability, flexibility, high density and headroom in performance. "VS" stands for Virtual Shield as this technology requires no interleaving shields. The elimination of these shields results in lower cost, lower weight and offers greater flexibility.



AIRMAX VS® BACK PANEL APPLICATION HEADER CONNECTORS

| Mfg. Part No   | Positions | Type   | Row Pitch | Mounting    | Stock No. | Price Each |       |
|----------------|-----------|--------|-----------|-------------|-----------|------------|-------|
|                |           |        |           |             |           | 1-24       | 25-99 |
| 10058229-101LF | 54        | 3 Pair | 2 mm      | Right Angle | 45P2971   | 6.05       | 5.43  |
| 10034249-101LF | 90        | 3 Pair | 2 mm      | Right Angle | 03M1273   | 10.05      | 9.77  |
| 10028436-101LF | 120       | 4 Pair | 2 mm      | Right Angle | 45P2963   | 10.61      | 9.62  |

AIRMAX VS® BACK PANEL APPLICATION RECEPTACLE CONNECTORS

|                |     |        |      |             |         |       |       |
|----------------|-----|--------|------|-------------|---------|-------|-------|
| 10043546-101LF | 54  | 3 Pair | 2 mm | Vertical    | 03M1344 | 5.49  | 5.49  |
| 10028264-101LF | 120 | 4 Pair | 2 mm | Vertical    | 45P2962 | 7.20  | 6.79  |
| 10016537-101LF | 150 | 5 Pair | 2 mm | Vertical    | 39K5937 | 11.94 | 11.61 |
| 10035146-101LF | 150 | 5 Pair | 3 mm | Vertical    | 03M1281 | 13.93 | 12.15 |
| 10053656-101LF | 54  | 3 Pair | 2 mm | Right Angle | 60M2727 | 14.58 | 13.53 |
| 10056335-101LF | 90  | 3 Pair | 2 mm | Right Angle | 60M2726 | ---   | ---   |
| 10035754-101LF | 120 | 4 Pair | 2 mm | Right Angle | 45P2965 | 12.94 | 12.59 |
| 10034475-101LF | 150 | 5 Pair | 2 mm | Right Angle | 45P2964 | 15.21 | 14.79 |
| 10057041-101LF | 150 | 5 Pair | 3 mm | Right Angle | 45P2970 | 15.21 | 14.79 |

AIRMAX VS® BACK PANEL & COPLANAR APPLICATION HEADER CONNECTORS

|                    |     |        |      |             |         |       |       |
|--------------------|-----|--------|------|-------------|---------|-------|-------|
| 10056101-1050011LF | 54  | 3 Pair | 2 mm | Vertical    | 03M1390 | 6.20  | 5.86  |
| 10056103-1050011LF | 90  | 3 Pair | 2 mm | Vertical    | 45P2968 | 7.29  | 6.87  |
| 10056100-1050011LF | 120 | 4 Pair | 2 mm | Vertical    | 45P2967 | 7.83  | 7.40  |
| 10056098-1050011LF | 150 | 5 Pair | 2 mm | Vertical    | 45P2966 | 7.80  | 7.59  |
| 10056427-1050011LF | 150 | 5 Pair | 3 mm | Vertical    | 45P2969 | ---   | ---   |
| 10025613-101LF     | 150 | 5 Pair | 2 mm | Right Angle | 03M1264 | 13.13 | 12.77 |

AIRMAX VS® CHASSIS MANAGEMENT MODULE & MIDPLANE HEADER CONNECTORS

|                |     |        |      |             |         |       |       |
|----------------|-----|--------|------|-------------|---------|-------|-------|
| 10084600-111LF | 120 | 4 Pair | 2 mm | Right Angle | 58R3445 | 14.44 | 14.04 |
|----------------|-----|--------|------|-------------|---------|-------|-------|

AIRMAX VS® CHASSIS MANAGEMENT MODULE & MIDPLANE RECEPTACLE CONNECTORS

|                |     |        |      |          |         |       |      |
|----------------|-----|--------|------|----------|---------|-------|------|
| 10084601-101LF | 120 | 4 Pair | 2 mm | Vertical | 58R3446 | 10.83 | 9.82 |
|----------------|-----|--------|------|----------|---------|-------|------|

AIRMAX VS® MEZZANINE APPLICATION HEADER CONNECTORS

|                 |     |        |      |          |         |       |       |
|-----------------|-----|--------|------|----------|---------|-------|-------|
| 10059957-1071LF | 150 | 5 Pair | 3 mm | Vertical | 45P2972 | 21.86 | 20.16 |
|-----------------|-----|--------|------|----------|---------|-------|-------|

AIRMAX VS® COMPUTE BLADE & MEZZANINE MIDPLANE HEADER CONNECTORS

|                |    |        |      |             |         |       |       |
|----------------|----|--------|------|-------------|---------|-------|-------|
| 10084604-111LF | 96 | 4 Pair | 2 mm | Right Angle | 58R3449 | 13.00 | 11.78 |
|----------------|----|--------|------|-------------|---------|-------|-------|

AIRMAX VS® COMPUTE BLADE & MEZZANINE MIDPLANE RECEPTACLE CONNECTORS

|                |    |        |      |          |         |      |      |
|----------------|----|--------|------|----------|---------|------|------|
| 10084605-101LF | 96 | 4 Pair | 2 mm | Vertical | 58R3450 | 8.03 | 8.03 |
|----------------|----|--------|------|----------|---------|------|------|

AIRMAX VS® HIGH-POWER BACKPLANE APPLICATION CONNECTORS

These compact high-power connectors complement the ZipLine & AirMax VS high-speed signal connector offerings. Right-angle headers & vertical receptacles enable power connections at a backplane-to-daughtercard interface. Each header offers 2, 4, or 6 individual power contacts positioned in 1x2, 2x2, or 2x3 arrays. Backplane receptacles are offered in only 2x2 & 2x3 configurations; the 2x2 receptacle mates to either the 1x2 or 2x2 header configuration. Individual contacts in the 2x2 or 2x3 modules are designed to carry a maximum of 20 Amps.

| Mfg. Part No.      | Positions | Gender     | Contact Layout  | Stock No. | Price Each |
|--------------------|-----------|------------|-----------------|-----------|------------|
|                    |           |            |                 |           | 1-24       |
| 10028917-001LF     | 4         | Header     | 2x2 Right Angle | 03M1266   | 6.08       |
| 10061289-001LF     | 6         | Header     | 2x3 Right Angle | 05R9516   | ---        |
| 10028916-4555P00LF | 4         | Receptacle | 2x2 Vertical    | 37K8729   | 8.43       |
| 10061290-555444PLF | 6         | Receptacle | 2x3 Vertical    | 05R9517   | 8.57       |

AIRMAX VS® HIGH-POWER COPLANAR APPLICATION CONNECTORS

|                    |   |            |              |         |      |
|--------------------|---|------------|--------------|---------|------|
| 10052620-4444P00LF | 4 | Receptacle | 2x2 Vertical | 03M1379 | 5.96 |
|--------------------|---|------------|--------------|---------|------|

▶ CONTINUED ▶



## BACKPLANE CONNECTORS

### AIRMAX VS® HIGH SPEED CONNECTORS (CONT.)

#### AIRMAX VS® HIGH-POWER COMPUTE BLADE & MEZZAINE MIDPLANE CONNECTORS

| Mfg. Part No.       | Positions | Gender     | Contact Layout  | Stock No. | Price Each |       |
|---------------------|-----------|------------|-----------------|-----------|------------|-------|
|                     |           |            |                 |           | 1-24       | 25-99 |
| ● 10084602-454P00LF | 4         | Receptacle | 2x2 Vertical    | 58R3447   | ---        | ---   |
| ● 10084603-001LF    | 4         | Header     | 2x2 Right Angle | 58R3448   | 5.95       | ---   |

#### GUIDE ASSEMBLIES

The guide pin & guide module combination provides additional coding options as well as an ESD contact. The smaller guide blade & guide module combination is designed for minimum board real estate consumption.

| Mfg. Part No.    | Description   | Stock No. | Price Each |       |
|------------------|---|-----------|------------|-------|
|                  |   |           | 1-24       | 25-99 |
| ● 10037908-101LF | 7.2 mm Guide Blade - External Thread, Long            | 03M1288   | 2.12       | ---   |
| ● 10044314-101LF | 7.2 mm Guide Blade - Co-Planar                        | 03M1346   | 3.15       | ---   |
| ● 10037912-101LF | 10.8 mm Guide Module Receptacle w/ESD Grounding       | 03M1303   | 4.41       | ---   |
| ● 10084609-111LF | 10.8 mm Guide Module Receptacle w/o ESD Grounding     | 58R3451   | 4.33       | ---   |
| ● 10037910-101LF | 10.8 mm Guide Pin - External Thread w/ESD Grounding   | 03M1294   | 2.37       | ---   |
| ● 10084610-101LF | 10.8 mm Guide Pin - External Thread w/o ESD Grounding | 58R3452   | 3.21       | ---   |
| ● 10037911-101LF | 10.8 mm Guide Pin - Internal Thread                   | 03M1299   | 2.82       | ---   |
| ● 10044366-101LF | 10.8 mm Guide Pin - Co-Planar                         | 03M1347   | 2.57       | ---   |

(134265)

### PWRBLADE® CONNECTOR SYSTEM

NEW



- Housing: Glass-filled high temperature nylon; Color: Black
- Power Contacts: Gold plated Copper Alloy
- Signal Pins: Gold plated Phosphor-bronze
- Signal Contacts: Gold plated Copper Alloy
- Insulation Resistance: Power Contact: 10,000 Mohm; Signal Contact: 500 Mohm
- Withstanding Voltage: Power Contact: 2,500 VDC; Signal contact: 1,000 VDC
- Current Rating: 48A for single powered contact; de-rated to 30A for 10 powered contacts at 30°C temperature rise with zero airflow
- Current Rating: 60A for 10 contacts when tested to UL guidelines.

The PwrBlade® power distribution connector system from FCI includes power and signal contacts to provide power distribution and power control in a single connector. Options for either vertical or right-angle versions of PCB-mount headers and receptacles deliver support for coplanar, backplane or mezzanine connections. The connectors are ideal for robust power connections to embedded AC/DC power supplies or for board-to-board connections in servers, storage enclosures and communications equipment.

#### PWRBLADE® CONNECTOR SYSTEM HEADERS

| Mfg. Part No         | Positions | Configuration | Mounting    | Stock No. | Price Each |       |
|----------------------|-----------|---------------|-------------|-----------|------------|-------|
|                      |           |               |             |           | 1-24       | 25-99 |
| ● 51721-10002406AALF | 30        | 6 P + 24 S    | Right Angle | 53K1422   | 4.84       | 4.58  |

#### PWRBLADE® CONNECTOR SYSTEM RECEPTACLES

|                      |    |            |             |         |      |      |
|----------------------|----|------------|-------------|---------|------|------|
| ● 51762-10602000AALF | 26 | 6 P + 20 S | Right Angle | 62K6120 | 5.72 | 5.15 |
| ● 51741-10002406CCLF | 30 | 6 P + 24 S | Vertical    | 62K6113 | 5.15 | 4.86 |
| ● 51761-10002406AALF | 30 | 6 P + 24 S | Right Angle | 06M1141 | 6.27 | 5.93 |
| ● 51866-025LF        | 33 | 9 P + 24 S | Right Angle | 06M1157 | 6.22 | 5.88 |

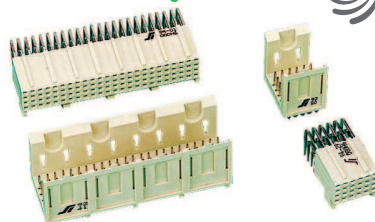
(134274)

### METRAL® STANDARD SIGNAL CONNECTORS

NEW



- In accordance with IEC 60917 and IEC 61076-4-104 (Futurebus+)
- 4 row and 2 mm pitch permit high signal density
- Modular design guarantees flexibility
- Eye of the needle press-fit contact
- Housing: glass-filled LCP; Color: Natural
- Flammability rating: UL 94 V-0
- Pin material: Phosphor bronze
- Performance level: Telcordia CO



#### 4 ROW SIGNAL HEADERS - STRAIGHT, PRESS FIT MOUNT

| Mfg. Part No. | Positions | Description                          | Stock No. | Price Each |         |
|---------------|-----------|--------------------------------------|-----------|------------|---------|
|               |           |                                      |           | 1-99       | 100-249 |
| ● 70232-111LF | 24        | 1 module (4 x 6 pos.) 4.30 mm Tails  | 93K4973   | ---        | ---     |
| ● 70233-111LF | 48        | 2 module (4 x 12 pos.) 4.30 mm Tails | 06M1870   | 3.43       | 3.00    |

#### 4 ROW SIGNAL HEADERS - STRAIGHT, SOLDER MOUNT

|               |     |                                     |         |     |     |
|---------------|-----|-------------------------------------|---------|-----|-----|
| ● 88951-131LF | 24  | 1 module (4 x 6 pos.) 3.30 mm Tail  | 93K5420 | --- | --- |
| ● 88954-131LF | 192 | 8 module (4 x 48 pos.) 3.30 mm Tail | 93K5422 | --- | --- |

#### 4 ROW SIGNAL RECEPTACLES - RIGHT ANGLE, PRESS FIT MOUNT

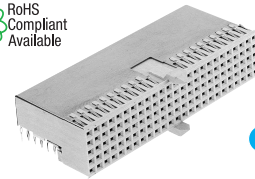
|               |    |                                      |         |      |      |
|---------------|----|--------------------------------------|---------|------|------|
| ● 88947-102LF | 96 | 4 module (4 x 24 pos.) 2.90 mm Tails | 06M2455 | 7.10 | 7.01 |
|---------------|----|--------------------------------------|---------|------|------|

#### 5 ROW SIGNAL RECEPTACLES - RIGHT ANGLE, PRESS FIT MOUNT

|                |    |                                     |         |      |      |
|----------------|----|-------------------------------------|---------|------|------|
| ● 89047-102LF  | 30 | 1 module (5 x 6 pos.) 2.90 mm Tails | 06M2524 | 2.49 | 2.30 |
| ● 85761-1101LF | 30 | 1 module (5 x 6 pos.) 4.30 mm Tails | 63K0360 | 4.04 | 3.54 |

(115907)

### METRAL® 4 ROW RIGHT ANGLE SIGNAL RECEPTACLES



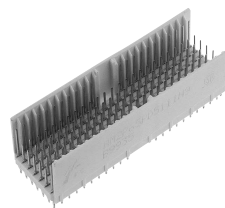
NEW

- Low-cost application solutions:
- Press-Fit termination for backplanes
- Speeds from 2 Mb/s up to 5 Gb/s
- Designed in accordance with IEC 61076-4-104, performance according Telcordia® GR-1217-CORE

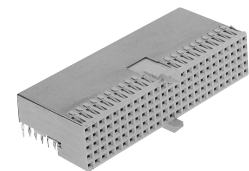
| Mfg. Part No.       | Positions | Stock No. | Price Each |       |
|---------------------|-----------|-----------|------------|-------|
|                     |           |           | 1-24       | 25-99 |
| ● HM1L41AAP000H6PLF | 24        | 05M7563   | 2.83       | 2.83  |
| ● HM1F43TAP000H6LF  | 96        | 92K0395   | ---        | ---   |
| ● HM1F44TAP000H6LF  | 192       | 92K0396   | 9.34       | 9.34  |

(115908)

### MILLipacs® HM HARD METRIC 5 ROW SIGNAL CONNECTORS



Straight Header



Right Angle Receptacle

- Types A and B 50mm Headers
- Type C 25mm End-Position Headers
- Types A and C Offer "MP" Multipurpose Center for Polarization, Preguiding and Coding
- Signal Contacts
- Press-Fit Termination
- Nonshielded and Shielded Versions

#### 5 ROW SIGNAL CONNECTORS - STANDARD

| Mfg. Part No.      | Description                         | Positions | Stock No. | Price Each |       |
|--------------------|-------------------------------------|-----------|-----------|------------|-------|
|                    |                                     |           |           | 1-24       | 25-99 |
| ● HM2P07PD5110N9LF | Type A Header                       | 110       | 65K9068   | ---        | ---   |
| ● HM2P07PK5110GFLF | Type A Header (13mm Tails)          | 110       | 65K9088   | ---        | ---   |
| ● HM2R01PA5108N9LF | Type A Receptacle (Top Shielded)    | 110       | 62K4722   | 5.30       | 4.82  |
| ● HM2P08PD5110N9LF | Type B Header                       | 125       | 65K9126   | 3.75       | 3.27  |
| ● HM2P08PD5111N9   | Type B Header (Shielded)            | 125       | 83F8161   | 4.01       | 3.60  |
| ● HM2P08PD5111N9LF | Type B Header (Shielded)            | 125       | 62K4720   | 4.01       | 3.60  |
| ● HM2R01PB5110N9LF | Type B Header (Shielded/13mm Tails) | 125       | 65K9136   | 6.04       | 5.43  |
| ● HM2R02PA5108N9LF | Type B Receptacle (Top Shielded)    | 125       | 62K4723   | 4.22       | 3.79  |
| ● HM2R02PA5100N9LF | Type B Receptacle (Unshielded)      | 125       | 05M7622   | 4.16       | 3.74  |
| ● HM2P09PD5111N9LF | Type C Header (Shielded)            | 55        | 65K9162   | 2.65       | 2.65  |
| ● HM2P09PK5111GFLF | Type C Header (Shielded/13mm Tails) | 55        | 65K9169   | ---        | ---   |
| ● HM2P09PK5110GFLF | Type C Header (Shielded/13mm Tails) | 55        | 65K9168   | 5.04       | 4.53  |
| ● HM2R03PA5108N9LF | Type C Receptacle (Top Shielded)    | 55        | 74K5276   | 2.52       | 2.52  |

#### HEADER SHROUDS FOR 5 ROW STANDARD HEADERS

| Mfg. Part No. | For Use With                     | Positions | Stock No. | Price Each |       |
|---------------|----------------------------------|-----------|-----------|------------|-------|
|               |                                  |           |           | 1-24       | 25-99 |
| ● HM2H07P1LF  | Type A Standard Straight Headers | 110       | 71K4930   | 1.38       | 1.26  |

#### 5 ROW SIGNAL CONNECTORS - REVERSED

| Mfg. Part No.      | Description                              | Positions | Stock No. | Price Each |       |
|--------------------|--|-----------|-----------|------------|-------|
|                    |  |           |           | 1-24       | 25-99 |
| ● HM2J07PE5118N9LF | Type A Right Angle Header (Top Shielded) | 110       | 68K4358   | 13.08      | 12.72 |
| ● HM2J08PE5118N9LF | Type B Right Angle Header (Top Shielded) | 125       | 68K4360   | ---        | ---   |
| ● HM2J09PE5118N9LF | Type C Right Angle Header (Top Shielded) | 55        | 65K9016   | 9.63       | 9.37  |
| ● HM2S10PE5101N9LF | Type A Receptacle (Shielded)             | 110       | 74K5296   | 8.59       | 7.79  |
| ● HM2S02PE5101N9LF | Type B Receptacle (Shielded)             | 125       | 05M7661   | 10.92      | 9.90  |
| ● HM2S30PE5101N9LF | Type C Receptacle (Shielded)             | 55        | 71K4963   | 5.76       | 5.44  |

(72463)

## NEW! Technical support hotline

Call 877.736.4835 to connect directly with our team of engineers or chat live 24/5 online.

(196535)

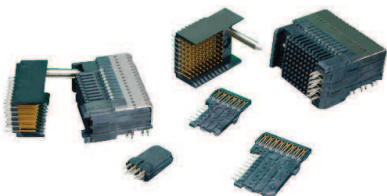
BACKPLANE CONNECTORS • PC BOARD HEADERS & SOCKETS

VHDM H-SERIES BACKPLANE CONNECTORS

NEW



- Housing: Liquid Crystal Polymer, UL 94V-0
- Contact: Gold plated copper alloy, Tin on tails
- PCB Thickness: 1.60mm (.063") typical
- Operating Temperature: -55°C to +85°C



Designed for applications that require very high interconnect density and high-speed signal integrity. Enables an installed base to perform at 6.25 Gbps, enabling system upgrades without costly architecture redesigns. Fully backwards compatible with existing VHDM slots. The signal portion of the VHDM H-Series connector system consists of modules in increments of 10 columns or 25 columns in either 6 rows or 8 rows. Power contacts can handle 10.0A of current per blade, efficiently delivering up to 120.0A per 25.00mm (.984") of board edge with multiple mating levels for hot plug applications. Metal guide pins and key slots eliminate the possibility of plugging a daughter card into the wrong slot.

6 ROW BACKPLANE HEADERS

| Mfg. Part No. | No. of Contacts | Configuration            | Stock No. | Price Each |       |
|---------------|-----------------|--------------------------|-----------|------------|-------|
|               |                 |                          |           | 1-9        | 10-24 |
| 76761-9001    | 60              | Signal End - Guide Left  | 22T8815   | 15.25      | 14.58 |
| 76761-8501    | 150             | Signal End - Guide Left  | 22T8814   | 27.33      | 26.41 |
| 76762-9001    | 60              | Shield End - Guide Right | 22T8817   | 15.30      | 14.39 |
| 76762-8501    | 150             | Shield End - Guide Right | 22T8816   | 26.10      | 25.20 |
| 76763-9001    | 60              | Open                     | 22T8819   | 13.18      | 12.40 |
| 76763-8501    | 150             | Open                     | 22T8818   | 23.72      | 22.52 |

8 ROW BACKPLANE HEADERS

| Mfg. Part No. | No. of Contacts | Configuration            | Stock No. | Price Each |       |
|---------------|-----------------|--------------------------|-----------|------------|-------|
|               |                 |                          |           | 1-9        | 10-24 |
| 76135-9001    | 80              | Signal End - Guide Left  | 22T8809   | 15.69      | 15.16 |
| 76135-8501    | 200             | Signal End - Guide Left  | 22T8808   | 30.03      | 29.79 |
| 76136-9001    | 80              | Shield End - Guide Right | 22T8811   | 15.69      | 15.16 |
| 76136-8501    | 200             | Shield End - Guide Right | 22T8810   | 30.03      | 29.78 |
| 76134-9001    | 80              | Open                     | 22T8807   | 13.95      | 13.12 |
| 76134-8501    | 200             | Open                     | 22T8806   | 28.59      | 27.51 |

(192450)

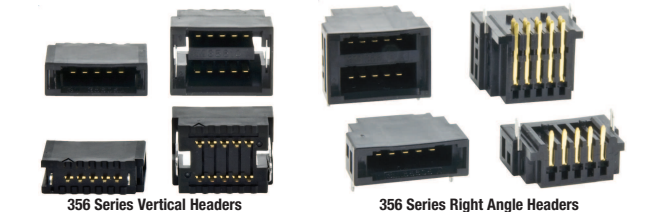
POWER CLAMP CONNECTORS

NEW



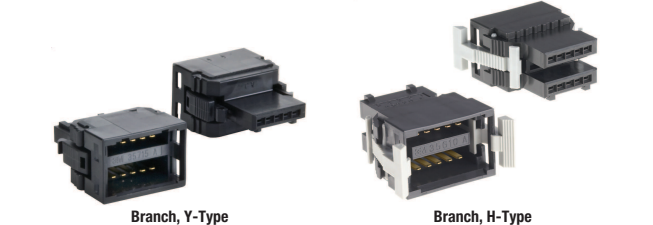
358 Series Plugs

355 Series Sockets



356 Series Vertical Headers

356 Series Right Angle Headers



Branch, Y-Type

Branch, H-Type

- CLPA standardized 3M Power Clamp Connector interface for CC-Link IP20 connector
- Excellent solution for field bus systems and network interconnecting
- Reduce intermatability issues relative to interconnecting different factory automation equipment or devices
- One-touch positive latching
- Built in dual function dust cover and latch with the wiremount plug
- Easy, labor saving and reliable IDC termination.
- Easy field termination with no special wire preparation - no stripping, no tinning, no special tooling
- Design accepts multiple wire diameters (1.6 - 3.0 mm) and conductor sizes (18 - 20 AWG)
- Integrated wire retention cover design to retain the wires while terminating to the IDC
- Virtually no waste or debris from termination process

➔ CONTINUED ➔

POWER CLAMP CONNECTORS (CONT.)

- Wiring reduction solution when leveraging the complete 3M offering
- Enables wire-to-wire for extension applications
- Current rating (Up to 10 amps for one contact/7 amps with multiple contacts)
- Voltage rating = 250 volts
- 2 types of polarizations
- EU RoHS Compliant\* and labeled pursuant to China RoHS marking standard SJ/T 11364-2006

3M™ Power Clamp Connectors are designed to provide connection reliability and cost performance in I/O applications commonly found in a wide range of industrial control systems, including factory automation/industrial controls as well for any application in which discrete wire is used to distribute power and/or mixed power and signals. Power Clamp products use the advantage of 3M's IDC technology and are designed to provide a safe and reliable electrical connection between control units and devices (servo drives, stepper drives, vision, human machine interfaces, IO and other controllers). These connectors do not require any special tooling or pre-treatment of cables, and can be easily and simply terminated using a standard pair of pliers.

358 SERIES POWER CLAMP WIREMOUNT PLUGS

| Mfg. Part No.    | Circuits | Wire Size | Color  | Panel Mount | Stock No. | Price Each |       |
|------------------|----------|-----------|--------|-------------|-----------|------------|-------|
|                  |          |           |        |             |           | 1-9        | 10-24 |
| 35805-6080-A00GF | 5        | 18        | Clear  | No          | 62R1161   | 3.63       | 3.43  |
| 35805-6080-APOGF | 5        | 18        | Clear  | Yes         | 62R1160   | 3.73       | 3.16  |
| 35805-6180-A00GF | 5        | 18        | Blue   | No          | 62R1163   | 3.63       | 3.43  |
| 35805-6180-APOGF | 5        | 18        | Blue   | Yes         | 62R1162   | 3.25       | 3.06  |
| 35805-6200-A00GF | 5        | 20        | Yellow | No          | 62R1165   | 3.73       | 3.16  |

355 SERIES POWER CLAMP WIREMOUNT SOCKETS

|                   |   |    |        |    |         |      |      |
|-------------------|---|----|--------|----|---------|------|------|
| 35505-6080-A00-GF | 5 | 18 | Clear  | No | 34P7686 | 3.59 | 3.59 |
| 35505-6180-A00-GF | 5 | 18 | Blue   | No | 34P7687 | 5.12 | 4.82 |
| 35505-6200-A00-GF | 5 | 20 | Yellow | No | 34P7688 | 3.87 | 3.87 |

356 SERIES POWER CLAMP BOARDMOUNT HEADERS - VERTICAL THRU-HOLE

| Mfg. Part No.     | Circuits | Keying | Standoff Height (mm) | Stock No. | Price Each |       |
|-------------------|----------|--------|----------------------|-----------|------------|-------|
|                   |          |        |                      |           | 1-9        | 10-24 |
| 35605-6114-A00PE  | 5        | A      | 0.5                  | 62R1152   | 4.12       | 3.89  |
| 35610-6224-A00-PE | 10       | B      | 0.5                  | 34P7692   | 3.88       | 3.29  |

356 SERIES POWER CLAMP BOARDMOUNT HEADERS - RIGHT ANGLE THRU-HOLE

|                  |    |   |     |         |      |      |
|------------------|----|---|-----|---------|------|------|
| 35605-5153-A00PE | 5  | A | 0.5 | 62R1149 | 3.26 | 2.76 |
| 35605-5153-APOPE | 5  | A | 1.7 | 62R1148 | 3.51 | 3.31 |
| 35610-5253-A00PE | 10 | A | 0.5 | 62R1154 | 7.15 | 6.72 |

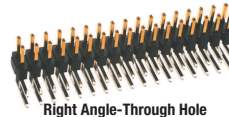
357 SERIES POWER CLAMP BRANCH CONNECTORS

| Mfg. Part No.     | Description   | Stock No. | Price Each |      |
|-------------------|---|-----------|------------|------|
|                   |   |           | 1-499      | 500+ |
| 35715-L010-A00AK  | Branch, Y-Type, 1 Socket and 2 Plugs, 5 Positions x 3 | 62R1156   | 5.51       | 5.51 |
| 35720-L200-A00-AK | Branch, H-Type, 2 Sockets and 2 Plugs, 5 Position x 4 | 34P7695   | 7.74       | 7.74 |

(178414)

2mm (0.079") 951 SERIES PIN STRIP HEADERS

- Insulation Material: Black High temperature thermoplastic
- Flammability: UL 94V-0
- Contact: Gold plated Copper Alloy with Tin on tails
- Current Rating: 1 A
- Insulation Resistance: > 500 MOhm at 100 VDC
- Withstanding Voltage: 1000 VDC



Right Angle-Through Hole

- Transition Resistance: ≤ 20 mOhm
- Temperature Range: -40 °C ... +105 °C

951 Series pin strip headers maximize the use of PC board space and mates with with boardmount and wiremount products. Features include a high temperature dielectric, "No lead" wave and reflow solder compatible, and are end to end stackable.

PIN STRIP HEADERS - VERTICAL THROUGH HOLE

| Mfg. Part No.  | Circuits | Stock No. | Price Each |       |
|----------------|----------|-----------|------------|-------|
|                |          |           | 1-24       | 25-49 |
| 951204-8622-AR | 4        | 15P0079   | 0.18       | 0.17  |
| 951206-8622-AR | 6        | 15P0081   | 0.27       | 0.26  |
| 951208-8622-AR | 8        | 15P0085   | 0.36       | 0.34  |
| 951210-8622-AR | 10       | 15P0090   | 0.53       | 0.48  |
| 951212-8622-AR | 12       | 15P0095   | 0.64       | 0.58  |
| 951214-8622-AR | 14       | 15P0100   | 0.62       | 0.59  |
| 951220-8622-AR | 20       | 15P0112   | 1.06       | 0.96  |
| 951280-8622-AR | 80       | 15P0117   | 3.64       | 3.08  |

PIN STRIP HEADERS - RIGHT ANGLE THROUGH HOLE

|                |    |         |      |      |
|----------------|----|---------|------|------|
| 951204-7622-AR | 4  | 15P0078 | 0.32 | 0.31 |
| 951206-7622-AR | 6  | 15P0080 | 0.41 | 0.39 |
| 951208-7622-AR | 8  | 15P0084 | 0.43 | 0.41 |
| 951210-7622-AR | 10 | 15P0089 | 0.54 | 0.51 |
| 951212-7622-AR | 12 | 15P0094 | 0.66 | 0.56 |
| 951214-7622-AR | 14 | 15P0099 | 0.67 | 0.63 |
| 951220-7622-AR | 20 | 15P0111 | 1.29 | 1.16 |
| 951244-7622-AR | 44 | 15P0114 | 2.40 | 2.04 |
| 951280-7622-AR | 80 | 15P0116 | 4.37 | 3.70 |

(136297)

3

## PC BOARD HEADERS & SOCKETS

### 2mm (0.079") 950 SERIES BOARDMOUNT SOCKETS



Vertical-Through Hole      Horizontal Entry-Through Hole      Right Angle-Through Hole

- Insulation Material: Black High temperature thermoplastic
- Flammability: UL 94V-0
- Contact: Gold plated Copper Alloy with Tin on tails
- Current Rating: 1 A
- Insulation Resistance: > 500 MOhm at 100 VDC
- Withstanding Voltage: 1000 VDC
- Transition Resistance: ≤ 20 mOhm
- Temperature Range: -40°C to +105°C

950 Series boardmount sockets maximize the use of PC board space and mates with pin-strip header products. Features include a high temperature dielectric, "No lead" wave and reflow solder compatible, and minimized PC Board stacking heights.

#### BOARDMOUNT SOCKETS - VERTICAL THROUGH HOLE

| Mfg. Part No.    | Circuits | Stock No. | Price Each |       |
|------------------|----------|-----------|------------|-------|
|                  |          |           | 1-24       | 25-49 |
| ● 950404-6102-AR | 4        | 15P0050   | 1.29       | 1.16  |
| ● 950406-6102-AR | 6        | 15P0052   | 1.36       | 1.23  |
| ● 950410-6102-AR | 10       | 15P0059   | 1.29       | 1.21  |
| ● 950412-6102-AR | 12       | 15P0062   | 1.39       | 1.17  |
| ● 950414-6102-AR | 14       | 15P0065   | 1.46       | 1.24  |
| ● 950420-6102-AR | 20       | 15P0074   | 1.77       | 1.68  |
| ● 950444-6102-AR | 44       | 15P0076   | 4.67       | 4.23  |

#### BOARDMOUNT SOCKETS - HORIZONTAL ENTRY THROUGH HOLE

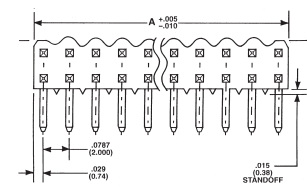
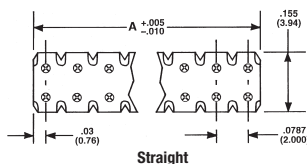
|                  |   |         |      |      |
|------------------|---|---------|------|------|
| ● 950408-7203-AR | 8 | 15P0056 | 1.42 | 1.34 |
|------------------|---|---------|------|------|

#### BOARDMOUNT SOCKETS - RIGHT ANGLE THROUGH HOLE

|                  |    |         |      |      |
|------------------|----|---------|------|------|
| ● 950404-5002-AR | 4  | 15P0049 | 0.94 | 0.89 |
| ● 950406-5002-AR | 6  | 15P0051 | ---  | ---  |
| ● 950408-5002-AR | 8  | 15P0054 | 1.91 | 1.73 |
| ● 950410-5002-AR | 10 | 15P0058 | 1.57 | 1.48 |
| ● 950412-5002-AR | 12 | 15P0061 | 1.93 | 1.83 |
| ● 950414-5002-AR | 14 | 15P0064 | 2.11 | 1.79 |
| ● 950420-5002-AR | 20 | 15P0073 | 2.43 | 2.30 |

(136296)

### 2mm PIN STRIP HEADERS



- 2 mm x 2 mm Grid Spacing
- IR, Vapor and Wave Solder Compatible
- 0.130" High Copper Alloy Pins
- 0.118" Long Tails

Straight and right-angle, solder tail pin strip headers mate with wire mount and PC board mount sockets; order separately on this page and 809. Current rating: 1.5 A. Insulation resistance: > 5 x 10<sup>9</sup> Ω at 250 VDC. Withstanding voltage: 500 VDC at sea level. Temperature range: -55°C to +105°C

#### STRAIGHT

| Mfg. Part No.    | Contacts | Pin Length | Dim. A       | Stock No. | Price Each |       |
|------------------|----------|------------|--------------|-----------|------------|-------|
|                  |          |            |              |           | 1-24       | 25-49 |
| ● 151208-8422-RB | 8        | 0.152"     | 0.295"(7.5)  | 93K6354   | 0.64       | 0.61  |
| ● 151210-8322-RB | 10       | 0.130"     | 0.374"(9.5)  | 93K6356   | 0.74       | 0.70  |
| ● 151210-8422-RB | 10       | 0.152"     | 0.374"(9.5)  | 93K6357   | 0.92       | 0.84  |
| ● 151220-8322-RB | 20       | 0.130"     | 0.768"(19.5) | 93K6362   | 1.37       | 1.29  |
| ● 151220-8422-RB | 20       | 0.152"     | 0.768"(19.5) | 93K6363   | 1.56       | 1.46  |
| ● 151224-8422-RB | 24       | 0.152"     | 0.925"(23.5) | 93K6365   | 1.62       | 1.53  |
| ● 151240-8322-RB | 40       | 0.130"     | 1.556"(39.5) | 93K6372   | 2.57       | 2.43  |
| ● 151240-8422-RB | 40       | 0.152"     | 1.556"(39.5) | 93K6373   | 2.57       | 2.43  |
| ● 151250-8422-RB | 50       | 0.152"     | 1.950"(49.5) | 93K6379   | 3.47       | 3.29  |

➔ CONTINUED ➔

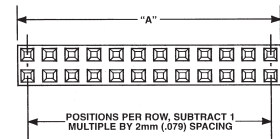
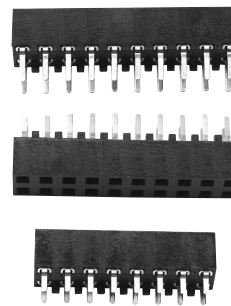
### 2mm PIN STRIP HEADERS (CONT.)

#### RIGHT-ANGLE

| Mfg. Part No.    | Contacts | Pin Length | Dim. A       | Stock No. | Price Each |       |
|------------------|----------|------------|--------------|-----------|------------|-------|
|                  |          |            |              |           | 1-24       | 25-49 |
| ● 151210-7422-RB | 10       | 0.152"     | 0.374"(9.5)  | 93K6355   | 0.85       | 0.81  |
| ● 151220-7422-RB | 20       | 0.152"     | 0.768"(19.5) | 93K6361   | 1.60       | 1.51  |
| ● 151240-7422-RB | 40       | 0.152"     | 1.556"(39.5) | 93K6371   | 3.08       | 2.91  |
| ● 151244-7422-RB | 44       | 0.152"     | 1.714"(43.5) | 93K6374   | ---        | ---   |
| ● 151250-7422-RB | 50       | 0.152"     | 1.950"(49.5) | 93K6377   | ---        | ---   |

(68568)

### PAK20 2mm VERTICAL PC BOARDMOUNT SOCKETS



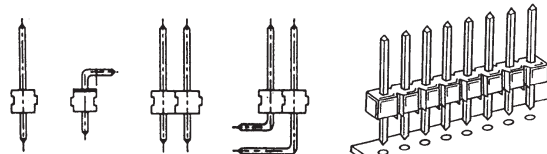
- 2 mm x 2 mm Grid Spacing
- Mate with 2 mm Pin Strip Headers; Order Separately on this page
- High-Temperature Dielectric
- IR, Vapor and Wave Solder Compatible
- 0.100" Long Tails

Copper alloy contacts. Current rating: 1.5 A. Insulation resistance: > 5 x 10<sup>9</sup> Ω at 250 VDC. Withstanding voltage: 500 VDC at sea level. Temperature range: -55°C to +105°C.

| Mfg. Part No.    | Contacts | Dim. A         | Stock No. | Price Each |       |
|------------------|----------|----------------|-----------|------------|-------|
|                  |          |                |           | 1-24       | 25-49 |
| ● 150208-6002-RB | 8        | 0.310" (8.00)  | 93K6337   | 1.40       | 1.33  |
| ● 150210-6002-RB | 10       | 0.389" (10.00) | 93K6339   | 1.63       | 1.54  |
| ● 150220-6002-RB | 20       | 0.782" (20.00) | 93K6342   | 2.06       | 1.89  |
| ● 150224-6002-RB | 24       | 0.940" (24.00) | 93K6343   | 1.83       | 1.73  |
| ● 150226-6002-RB | 26       | 1.019" (26.00) | 93K6344   | 2.51       | 2.29  |
| ● 150230-6002-RB | 30       | 1.176" (30.00) | 93K6346   | 2.41       | 2.29  |
| ● 150240-6002-RB | 40       | 1.570" (40.00) | 93K6348   | 2.65       | 2.43  |
| ● 150250-6002-RB | 50       | 1.964" (50.00) | 93K6352   | 3.08       | 2.90  |
| ● 150260-6002-RB | 60       | 2.357" (60.00) | 93K6353   | 3.71       | 3.40  |

(68569)

### 929 SERIES PIN STRIP HEADERS



Straight and right-angle one-row or two-row versions; 36 pins per row. Stackable. Solder standoffs facilitate production wave soldering. Copper alloy contacts with 10μ" 95% tin plating on pin and tails. Black, glass-filled polyester insulation. UL registered.

#### 0.100" STRAIGHT SOLDER TAIL — SINGLE ROW

| Mfg. Part No.      | Contacts | Length |        | Stock No. | Price Each |
|--------------------|----------|--------|--------|-----------|------------|
|                    |          | Pin    | Tail   |           |            |
| ● 929800-01-36-RK  | 36       | 0.093" | 0.110" | 12M6431   | 1.19       |
| ● 929834-01-36-RK  | 36       | 0.235" | 0.110" | 12M6432   | 1.15       |
| ● 929647-01-36-EU* | 36       | 0.235" | 0.110" | 12M6409   | 2.16       |
| ● 929400-01-36-RK  | 36       | 0.295" | 0.130" | 12M6405   | 1.36       |
| ● 929647-09-36-EU* | 36       | 0.235" | 0.145" | 12M6413   | 1.90       |
| ● 929647-02-36-EU* | 36       | 0.235" | 0.210" | 12M6410   | 2.06       |
| ● 929834-03-36     | 36       | 0.235" | 0.410" | 44F7503   | 1.90       |
| ● 929834-05-36-RK  | 36       | 0.235" | 0.610" | 96K5584   | 1.84       |
| ● 929700-01-36-RK  | 36       | 0.318" | 0.110" | 12M6422   | 1.45       |
| ● 929700-11-36-RK  | 36       | 0.318" | 0.125" | 12M6424   | 1.37       |
| ● 929700-06-36-RK  | 36       | 0.318" | 0.710" | 12M6423   | 2.01       |

#### 0.100 x 0.100" STRAIGHT SOLDER TAIL — DUAL ROW

|                    |    |        |        |         |      |
|--------------------|----|--------|--------|---------|------|
| ● 929836-01-36-RK  | 72 | 0.235" | 0.110" | 12M6435 | 1.88 |
| ● 929836-09-36-RK  | 72 | 0.235" | 0.145" | 12M6439 | 2.39 |
| ● 929665-09-36-EU* | 72 | 0.235" | 0.145" | 12M6419 | 6.29 |
| ● 929665-02-36-1*  |    | 0.235" | 0.210" | 44F7489 | 6.00 |
| ● 929836-08-36-RK  | 72 | 0.235" | 0.310" | 12M6438 | 2.36 |

➔ CONTINUED ➔



929 SERIES PIN STRIP HEADERS (CONT.)

0.100 x 0.100" STRAIGHT SOLDER TAIL — DUAL ROW

| Mfg. Part No.      | Contacts | Length |        | Stock No. | Price Each |
|--------------------|----------|--------|--------|-----------|------------|
|                    |          | Pin    | Tail   |           |            |
| ● 929836-03-36-RK  | 72       | 0.235" | 0.410" | 12M6436   | 2.18       |
| ● 929836-05-36-RK  | 72       | 0.235" | 0.610" | 12M6437   | 2.15       |
| ● 929665-05-36-EU* | 72       | 0.235" | 0.610" | 12M6417   | 6.71       |
| ● 929710-10-36-RK  | 72       | 0.318" | 0.175" | 12M6427   | 2.13       |
| ● 929710-03-36-RK  | 72       | 0.318" | 0.410" | 12M6426   | 4.77       |

0.100" RIGHT-ANGLE SOLDER TAIL — SINGLE ROW

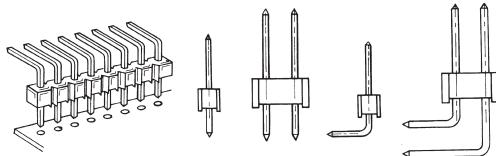
|                   |    |        |        |         |      |
|-------------------|----|--------|--------|---------|------|
| ● 929835-01-36-RK | 36 | 0.235" | 0.110" | 12M6434 | 1.39 |
|-------------------|----|--------|--------|---------|------|

0.100 x 0.100" RIGHT-ANGLE SOLDER TAIL — DUAL ROW

|                   |    |        |        |         |      |
|-------------------|----|--------|--------|---------|------|
| ● 929838-01-36-RK | 72 | 0.235" | 0.110" | 12M6440 | 1.92 |
| ● 929838-02-36-RK | 72 | 0.235" | 0.405" | 12M6441 | 2.36 |

\*10µ" gold plating on pin and tail; +Polarized (8396)

2300 SERIES PIN STRIP HEADERS



Straight and right-angle headers are available in a one-row version with 40 contacts or two-row version with 80 contacts. End-to-end and side-by-side stackable strips can be broken to any length for prototyping. Solder standoffs make it easy to wash flux residue, reducing rework. 10µ" gold and gold flash plating on phosphor bronze pins. Black, glass-filled polyester insulation material. 100µ" tin-lead plating on solder tails. Solder tail length: 0.120". Current rating: 1A.

STRAIGHT SOLDER TAIL — SINGLE ROW, 40 CONTACTS

| Mfg. Part No. | Contacts | Plating   | Pin Length | Stock No. | Price Each |
|---------------|----------|-----------|------------|-----------|------------|
|               |          |           |            |           | 1-9        |
| 2340-6111TG   | 40       | 10µ" Gold | 0.230"     | 92F1474   | 1.80       |
| 2340-6211TG   | 40       | 10µ" Gold | 0.318"     | 92F1476   | 1.80       |

STRAIGHT SOLDER TAIL — DUAL ROW

|             |    |           |        |         |      |
|-------------|----|-----------|--------|---------|------|
| 2380-6121TG | 80 | 10µ" Gold | 0.230" | 92F1478 | 3.25 |
| 2380-6221TG | 80 | 10µ" Gold | 0.318" | 92F1480 | 3.16 |

RIGHT-ANGLE SOLDER TAIL — SINGLE ROW

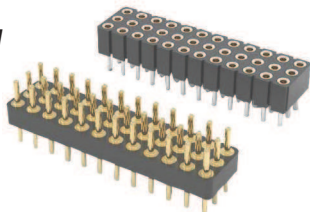
|             |    |           |        |         |      |
|-------------|----|-----------|--------|---------|------|
| 2340-5111TG | 40 | 10µ" Gold | 0.230" | 92F1482 | 1.80 |
| 2340-5211TG | 40 | 10µ" Gold | 0.318" | 92F1468 | 1.89 |

RIGHT-ANGLE SOLDER TAIL — DUAL ROW

|             |    |            |        |         |      |
|-------------|----|------------|--------|---------|------|
| 2380-5121TG | 80 | 10µ" Gold  | 0.230" | 92F1470 | 3.25 |
| 2380-5221TG | 80 | Gold Flash | 0.318" | 92F1473 | 3.16 |

(8390)

804 AND 805 SERIES TRIPLE ROW INTERCONNECTS



NEW

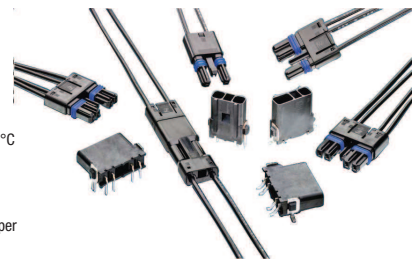
Type 804 header and 805 receptacle interconnects are ideal for high pin count I/O and board-to-board applications. The triple row pin field allows for signal connections to be more densely packaged. Also, placing and soldering one connector rather than three SIP sockets or a single and double row combination increases assembly efficiency and improves positional accuracy. The 804 & 805 series connectors featuring high temperature thermoplastic insulators compatible with lead free soldering temperature requirements.

| Mfg. Part No.          | Contacts | Gender | Stock No. | Price Each |
|------------------------|----------|--------|-----------|------------|
|                        |          |        |           | 1-49       |
| ● 804-10-096-10-002000 | 96       | Header | 46T9579   | 11.09      |
| ● 805-43-096-10-012000 | 96       | Socket | 46T9580   | 12.56      |

(196210)

SLIMSEAL LOW POWER SEALED LIGHTING CONNECTORS

NEW



- Operating Current : 5 A (18-20 AWG) & 3.5 A (22-24 AWG)
- Maximum operating voltage : 250 VAC/VDC
- Dielectric withstanding voltage : 1500 VAC
- Operating temperature : -40°C to 105°C
- Seal rating : IP67
- Durability : 30 mating cycles
- Housings : UL94V-0 rated high temp thermoplastic
- Contacts : Receptacle: Tin plated Copper alloy; Tab : Tin plated Brass
- Integral Seals : Silicone Rubber
- UL 1977, CSA C22.2 No. 182.3
- Exposure : UL 746C F1 (suitable for outdoor use, wire-to-wire only)

The SlimSeal SSL connectors are low profile, single row connectors developed for indoor and outdoor LED lighting applications. These connectors provide low power, sealed solutions for free hanging, wire-to-wire interconnects and for robust, stable electrical and mechanical wire-to-board connections used in solid state lighting. Connectors are available in 2 through 4 contact positions. Cavities are marked with numbers to provide circuit identification. The housings are made of flame-retardant black thermoplastic, and the contacts are made of copper alloy.

VERTICAL HEADER - SURFACE MOUNT

| Mfg. Part No. | No. of Positions | Stock No. | Price Each |
|---------------|------------------|-----------|------------|
|               |                  |           | 1-24       |
| ● 2106053-2   | 2                | 51R1227   | 1.15       |
| ● 2106053-4   | 3                | 51R1228   | 1.25       |
| ● 2106053-6   | 4                | 51R1229   | 1.32       |

VERTICAL HEADER - THRU HOLE

|             |   |         |      |
|-------------|---|---------|------|
| ● 2106112-2 | 2 | 51R1233 | 1.37 |
| ● 2106112-4 | 3 | 51R1234 | 1.04 |
| ● 2106112-6 | 4 | 51R1235 | 1.67 |

RIGHT ANGLE HEADER - SURFACE MOUNT

|             |   |         |      |
|-------------|---|---------|------|
| ● 2106056-2 | 2 | 69R7908 | 0.91 |
| ● 2106056-5 | 3 | 69R7909 | 1.08 |
| ● 2106056-8 | 4 | 69R7910 | 0.99 |

RIGHT ANGLE HEADER - THRU HOLE

|             |   |         |      |
|-------------|---|---------|------|
| ● 2106111-2 | 2 | 51R1230 | 0.92 |
| ● 2106111-4 | 3 | 51R1231 | 1.12 |
| ● 2106111-6 | 4 | 51R1232 | 1.10 |

FREE HANGING PLUG

|             |   |         |      |
|-------------|---|---------|------|
| ● 2106135-2 | 2 | 69R7912 | 1.54 |
| ● 2106135-3 | 3 | 51R1236 | 1.46 |
| ● 2106135-4 | 4 | 51R1237 | 1.74 |

FREE HANGING RECEPTACLE

|             |   |         |      |
|-------------|---|---------|------|
| ● 2106136-2 | 2 | 51R1238 | 1.34 |
| ● 2106136-3 | 3 | 51R1239 | 1.37 |
| ● 2106136-4 | 4 | 51R1240 | 1.43 |

CONTACTS

| Mfg. Part No. | For Use With          | AWG   | Stock No. | Price Each |
|---------------|-----------------------|-------|-----------|------------|
|               |                       |       |           | 1-24       |
| ● 2106123-2   | Plug Assemblies       | 20-18 | 69R7911   | 0.14       |
| ● 2106124-9   | Receptacle Assemblies | 20-18 | 72R3689   | 0.15       |

CABLE ASSEMBLIES

| Mfg. Part No. | No. of Positions | Length   | For Use With              | Stock No. | Price Each |
|---------------|------------------|----------|---------------------------|-----------|------------|
|               |                  |          |                           |           | 1-24       |
| ● 2106378-2   | 2                | 101.6 mm | Plug Cable Assembly       | 72R4613   | 2.02       |
| ● 2106378-3   | 3                | 101.6 mm | Plug Cable Assembly       | 72R4614   | 2.38       |
| ● 2106378-4   | 4                | 101.6 mm | Plug Cable Assembly       | 72R4615   | 3.85       |
| ● 2106391-2   | 2                | 101.6 mm | Receptacle Cable Assembly | 72R4616   | 2.03       |
| ● 2106391-3   | 3                | 101.6 mm | Receptacle Cable Assembly | 72R4617   | 2.05       |
| ● 2106391-4   | 4                | 101.6 mm | Receptacle Cable Assembly | 72R4618   | 3.33       |

(163804)

New products added daily

See the newest products, technologies and suppliers on our website.



(196560)

PC BOARD HEADERS & SOCKETS

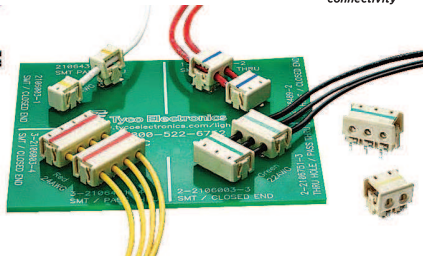
IDC SOLID STATE LIGHTING (SSL) CONNECTORS

NEW



Features

- Available in 1, 2, 3 and 4 positions
- SMT and thru-hole
- Closed end and feed thru
- 18-24 AWG stranded and solid wire
- Dual IDC slots for redundancy
- Wire placement "viewing" window
- Wire gauge color coded
- Tool-less termination



Applications

- LED lighting controls
- General illumination LED fixtures
- Connecting strings of pcb LED light modules
- Non-lighting wire-to-board applications

IDC SSL connectors are insulation displacement (IDC) SMT and thru-hole wire-to-board connectors designed for quick, tool-less termination of discrete wires onto LED printed circuit boards. These connectors use Tyco Electronics proven insulation displacement technology to provide a robust, stable electrical and mechanical power connection to single or multiple printed circuit boards in solid state lighting and non-lighting applications.

CLOSED END IDC SSL CONNECTORS - SURFACE MOUNT

| Mfg. Part No. | No. of Positions | AWG | Color  | Stock No. | Price Each |  |
|---------------|------------------|-----|--------|-----------|------------|--|
|               |                  |     |        |           | 1-24       |  |
| ● 2106003-1   | 1                | 18  | Yellow | 78R8822   | 0.57       |  |
| ● 2106003-2   | 2                | 18  | Yellow | 69R7906   | 0.50       |  |
| ● 2106003-3   | 3                | 18  | Yellow | 69R7907   | 0.53       |  |
| ● 2106003-4   | 4                | 18  | Yellow | 78R8823   | 0.61       |  |
| ● 1-2106003-1 | 1                | 20  | Blue   | 78R8800   | 0.37       |  |
| ● 1-2106003-2 | 2                | 20  | Blue   | 69R7896   | 0.44       |  |
| ● 1-2106003-3 | 3                | 20  | Blue   | 69R7897   | 0.49       |  |
| ● 1-2106003-4 | 4                | 20  | Blue   | 78R8801   | 0.61       |  |
| ● 2-2106003-1 | 1                | 22  | Green  | 78R8810   | 0.39       |  |
| ● 2-2106003-2 | 2                | 22  | Green  | 69R7902   | 0.46       |  |
| ● 2-2106003-3 | 3                | 22  | Green  | 69R7903   | 0.53       |  |
| ● 2-2106003-4 | 4                | 22  | Green  | 78R8811   | 0.61       |  |
| ● 3-2106003-1 | 1                | 24  | Red    | 78R8832   | 0.39       |  |
| ● 3-2106003-2 | 2                | 24  | Red    | 69R7917   | 0.46       |  |
| ● 3-2106003-3 | 3                | 24  | Red    | 78R8833   | 0.74       |  |
| ● 3-2106003-4 | 4                | 24  | Red    | 78R8834   | 0.86       |  |

FEED THRU IDC SSL CONNECTORS - SURFACE MOUNT

|               |   |    |        |         |      |  |
|---------------|---|----|--------|---------|------|--|
| ● 2106431-1   | 1 | 18 | Yellow | 78R8824 | 0.39 |  |
| ● 2106431-2   | 2 | 18 | Yellow | 69R7913 | 0.46 |  |
| ● 2106431-3   | 3 | 18 | Yellow | 69R7914 | 0.53 |  |
| ● 2106431-4   | 4 | 18 | Yellow | 78R8825 | 0.61 |  |
| ● 1-2106431-1 | 1 | 20 | Blue   | 78R8802 | 0.31 |  |
| ● 1-2106431-2 | 2 | 20 | Blue   | 69R7898 | 0.46 |  |
| ● 1-2106431-3 | 3 | 20 | Blue   | 69R7899 | 0.49 |  |
| ● 1-2106431-4 | 4 | 20 | Blue   | 78R8803 | 0.51 |  |
| ● 2-2106431-1 | 1 | 22 | Green  | 78R8812 | 0.39 |  |
| ● 2-2106431-2 | 2 | 22 | Green  | 69R7904 | 0.44 |  |
| ● 2-2106431-3 | 3 | 22 | Green  | 69R7905 | 0.53 |  |
| ● 2-2106431-4 | 4 | 22 | Green  | 78R8813 | 0.61 |  |
| ● 3-2106431-1 | 1 | 24 | Red    | 78R8835 | 0.39 |  |
| ● 3-2106431-2 | 2 | 24 | Red    | 69R7918 | 0.37 |  |
| ● 3-2106431-3 | 3 | 24 | Red    | 78R8836 | 0.53 |  |
| ● 3-2106431-4 | 4 | 24 | Red    | 78R8837 | ---  |  |

CLOSED END IDC SSL CONNECTORS - THROUGH HOLE

|               |   |    |        |         |      |  |
|---------------|---|----|--------|---------|------|--|
| ● 2106489-1   | 1 | 18 | Yellow | 78R8826 | 0.31 |  |
| ● 2106489-2   | 2 | 18 | Yellow | 69R7915 | 0.37 |  |
| ● 2106489-3   | 3 | 18 | Yellow | 78R8827 | 0.74 |  |
| ● 2106489-4   | 4 | 18 | Yellow | 78R8828 | 0.61 |  |
| ● 1-2106489-1 | 1 | 20 | Blue   | 78R8804 | 0.39 |  |
| ● 1-2106489-2 | 2 | 20 | Blue   | 69R7900 | 0.40 |  |
| ● 1-2106489-3 | 3 | 20 | Blue   | 78R8805 | 0.53 |  |
| ● 1-2106489-4 | 4 | 20 | Blue   | 78R8806 | 0.61 |  |
| ● 2-2106489-1 | 1 | 22 | Green  | 78R8814 | 0.60 |  |
| ● 2-2106489-2 | 2 | 22 | Green  | 78R8815 | 0.48 |  |
| ● 2-2106489-3 | 3 | 22 | Green  | 78R8816 | 0.74 |  |
| ● 2-2106489-4 | 4 | 22 | Green  | 78R8817 | 0.61 |  |
| ● 3-2106489-1 | 1 | 24 | Red    | 78R8838 | 0.39 |  |
| ● 3-2106489-2 | 2 | 24 | Red    | 78R8839 | 0.48 |  |
| ● 3-2106489-3 | 3 | 24 | Red    | 78R8840 | 0.53 |  |
| ● 3-2106489-4 | 4 | 24 | Red    | 78R8841 | 0.86 |  |

FEED THRU IDC SSL CONNECTORS - THROUGH HOLE

|             |   |    |        |         |      |  |
|-------------|---|----|--------|---------|------|--|
| ● 2106751-1 | 1 | 18 | Yellow | 78R8829 | 0.39 |  |
| ● 2106751-2 | 2 | 18 | Yellow | 69R7916 | 0.37 |  |
| ● 2106751-3 | 3 | 18 | Yellow | 78R8830 | 0.53 |  |

➔ CONTINUED ➔

IDC SOLID STATE LIGHTING (SSL) CONNECTORS (CONT.)

FEED THRU IDC SSL CONNECTORS - THROUGH HOLE

| Mfg. Part No. | No. of Positions | AWG | Color  | Stock No. | Price Each |  |
|---------------|------------------|-----|--------|-----------|------------|--|
|               |                  |     |        |           | 1-24       |  |
| ● 2106751-4   | 4                | 18  | Yellow | 78R8831   | 0.86       |  |
| ● 1-2106751-1 | 1                | 20  | Blue   | 78R8807   | 0.39       |  |
| ● 1-2106751-2 | 2                | 20  | Blue   | 69R7901   | 0.46       |  |
| ● 1-2106751-3 | 3                | 20  | Blue   | 78R8808   | 0.53       |  |
| ● 1-2106751-4 | 4                | 20  | Blue   | 78R8809   | 0.61       |  |
| ● 2-2106751-1 | 1                | 22  | Green  | 78R8818   | 0.39       |  |
| ● 2-2106751-2 | 2                | 22  | Green  | 78R8819   | 0.48       |  |
| ● 2-2106751-3 | 3                | 22  | Green  | 78R8820   | 0.74       |  |
| ● 2-2106751-4 | 4                | 22  | Green  | 78R8821   | 0.61       |  |
| ● 3-2106751-1 | 1                | 24  | Red    | 78R8842   | 0.39       |  |
| ● 3-2106751-2 | 2                | 24  | Red    | 78R8843   | 0.48       |  |
| ● 3-2106751-3 | 3                | 24  | Red    | 78R8844   | 0.53       |  |
| ● 3-2106751-4 | 4                | 24  | Red    | 78R8845   | 0.86       |  |

(172455)

SMT MICRO POKE-IN LIGHTING CONNECTOR

NEW



Features:

- Small size: 8.2mm (L) x 3.3mm (W) x 2.475mm (H)
- Long product lifetime: 40,000 hours
- Wire retention force: 6N
- Salt spray test qualification
- Creepage distance: 1.5mm
- High speed for SMT processes
- Accepts 24 & 26 AWG solid wire
- Low profile flat surface allows for vacuum pick up
- High temperature material for type reflow processes
- Tape & reel packaging
- Wire retention force: 6N Min.
- Wire Insertion Force: 8N (24 AWG); 6N (26 AWG)
- Operating Temperature: -25°C to 130°C
- Electrical: 250 VAC, 3A max; 250 VDC, 3A max
- 1500 Dielectric Withstanding Voltage
- Housing: High temp. resistant thermoplastic
- Contact: Tin plated copper alloy



Applications:

- LED channel letter lighting strips
- General illumination LED fixtures
- Architectural cove and valence lighting
- Digital signage
- LED Module
- Various non-lighting applications that require attaching flying leads to printed circuit boards

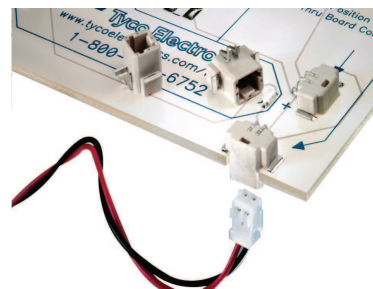
The Micro Poke-In Wire SSL connector is a low profile, printed circuit board connector specifically designed for LED lighting applications. Currently available in a one position version that accepts 24 and 26 AWG solid wire only. It is less than 1/8 the height and length of our standard comparable SMT Poke-In wire connector. The connector is designed with rounded corners to minimize shadowing. The connector is a cost effective alternative to hand soldering wires to printed circuit boards.

| Mfg. Part No. | Positions | Termination | Color   | Stock No. | Price Each |  |
|---------------|-----------|-------------|---------|-----------|------------|--|
|               |           |             |         |           | 1-99999    |  |
| ● 2134611-1   | 1         | SMT         | Natural | 46T9552   | 0.30       |  |

(196208)

INVERTED SMT THRU BOARD CONNECTORS

NEW



The Inverted SMT Thru Board Connector provides a means to bring power to LED aluminum clad and FR4 boards from the underside of the pc board. Eliminates wire dress management issues with discreet wire leads around the surface of the LED PC board. Accepts 2 thru 6 Position Mini CT Connectors. Features a low profile design with rounded corners to minimize shadowing. Connector can be positioned through a cutout or a notch in the PC board. Surface mount hold downs provide stability during mating and unmating. High temperature material for reflow processing & flat top surface allows for vacuum pick up.

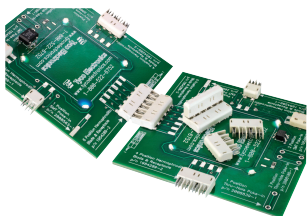
| Mfg. Part No. | No. of Positions | Stock No. | Price Each |  |
|---------------|------------------|-----------|------------|--|
|               |                  |           | 1-24       |  |
| ● 2106091-1   | 2                | 51R1264   | 0.68       |  |
| ● 2106091-2   | 3                | 51R1265   | 0.79       |  |
| ● 2106091-3   | 4                | 51R1266   | 1.27       |  |
| ● 2106091-4   | 5                | 51R1267   | 1.38       |  |
| ● 2106091-5   | 6                | 51R1268   | 1.70       |  |

(163798)

**HERMAPHRODITIC BLADE AND RECEPTACLE BOARD-TO-BOARD CONNECTORS**



**NEW**



**Features**

- Available in 2, 4, and 6 positions
- Connector mates to itself
- Single part to be stocked and placed onto pcb per position
- Connector mates and unmates horizontally and vertically -3 axis mating
- Connector can be articulated from 90° to 180°
- Tape and reel packed for high speed SMT processes
- Low profile flat surface is compatible with SMT and reflow processing
- Rounded corners to minimize shadowing
- Redundant SMT pads
- Optional 2, 4 and 6 position dust cover available
- Solder pad footprint compatible with Tyco Electronics SMT Poke-In LED connector

The board-to-board Hermaphroditic Blade and Receptacle connector is a new SMT connector and is intended for use with in-line board-to-board applications.

**HERMAPHRODITIC SMT BOARD-TO-BOARD CONNECTORS**

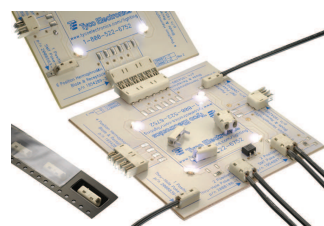
| Mfg. Part No. | No. of Contacts | Color | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------------|-------|------------|-----------|------------|-------|
|               |                 |       |            |           | 1-24       | 25-99 |
| ● 1954289-1   | 2               | White | 7.90       | 03P1396   | 0.50       | 0.46  |
| ● 1954289-2   | 4               | White | 15.90      | 03P1397   | 0.88       | 0.69  |
| ● 1954289-3   | 6               | White | 23.90      | 03P1398   | 1.11       | 1.11  |

**MINI HERMAPHRODITIC SMT BOARD-TO-BOARD CONNECTORS**

| Mfg. Part No. | No. of Contacts | Color   | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------------|---------|------------|-----------|------------|-------|
|               |                 |         |            |           | 1-24       | 25-99 |
| ● 1971567-1   | 2               | Natural | 7.00       | 24T5021   | 0.58       | 0.49  |
| ● 1971567-2   | 4               | Natural | 13.00      | 24T5022   | 0.76       | 0.69  |
| ● 1971567-3   | 6               | Natural | 19.00      | 24T5023   | 0.69       | 0.65  |

(192418)

**SMT POKE-IN LIGHTING CONNECTOR**



**Features:**

- Low profile design
- Connectors are available in 1 and 2 positions
- Standard and Low Insertion Force connectors available
- Connectors are available in both black and white colors for polarity
- Rounded corners to minimize shadowing
- Flat top surface allows for vacuum pickup
- High temperature material for reflow processing
- Tin over nickel plated copper alloy contacts.
- Redundant SMT pads prevent peeling
- Side by side stackable with pads on 4mm centers
- Tape and reel packaging for high speed SMT and Thru Hole processing
- 5 lb minimum wire retention
- Rating 5 A, 250 VAC/VDC
- Temperature rating: -40°C to 105°C

**Applications:**

- LED Lighting Controls
- LED channel letter lighting strips
- General Illumination LED fixtures
- Backlight engines
- Outdoor LED street and walkway lighting
- Architectural cove and valence lighting

- Digital signage
- Interconnecting strings of printed circuit LED light modules
- Various non-lighting applications that require attaching flying leads to printed circuit boards

Poke-in lighting connectors are low profile and specifically designed for LED lighting applications. The connectors accept 18, 20 and 22 AWG solid wire; 18 and 20 AWG pre-bond stranded wire; and 18 AWG stranded wire. Poke-in lighting connectors are a cost effective alternative to hand soldering wires. Simply strip and poke. Gel-filled versions are available for indoor moisture and outdoor applications.

| Mfg. Part No. | Positions | Termination | Color   | Stock No. | Price Each |
|---------------|-----------|-------------|---------|-----------|------------|
|               |           |             |         |           | 1-24       |
| ● 2008563-1   | 1         | SMT         | Natural | 08P3266   | 0.45       |
| ● 2008563-2   | 1         | SMT         | Black   | 08P3267   | 0.61       |
| ● 1954097-1   | 2         | SMT         | Natural | 70M9949   | 0.71       |
| ● 2008839-1   | 1         | Thru-Hole   | Natural | 08P3272   | 0.50       |
| ● 2008106-1   | 2         | Thru-Hole   | Natural | 08P3265   | 0.60       |

**LOW INSERTION FORCE**

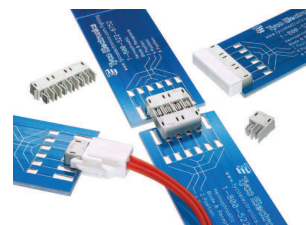
|               |   |           |         |         |      |
|---------------|---|-----------|---------|---------|------|
| ● 2008683-1   | 1 | SMT       | Natural | 08P3268 | ---  |
| ● 1-2008683-2 | 2 | SMT       | Black   | 08P3261 | ---  |
| ● 2008683-2   | 2 | SMT       | Natural | 08P3269 | 0.50 |
| ● 1-2008683-1 | 2 | SMT       | Black   | 08P3260 | 0.31 |
| ● 2008683-3   | 1 | Thru-Hole | Natural | 08P3270 | ---  |
| ● 1-2008683-3 | 1 | Thru-Hole | Black   | 08P3262 | ---  |
| ● 2008683-4   | 2 | Thru-Hole | Natural | 08P3271 | ---  |
| ● 1-2008683-4 | 2 | Thru-Hole | Black   | 08P3263 | ---  |

**STANDARD GEL FILLED**

|             |   |     |         |         |     |
|-------------|---|-----|---------|---------|-----|
| ● 1954785-1 | 2 | SMT | Natural | 08P3264 | --- |
|-------------|---|-----|---------|---------|-----|

(105250)

**HERMAPHRODITIC BLADE AND RECEPTACLE BOARD-TO-BOARD / WIRE-TO-BOARD CONNECTORS**



**Features**

- Available in 2, 4, and 6 positions
- Connector mates to new Board-to-Board part numbers
- Positive latching
- Connector accepts crimp snap contacts
- Contacts accept 18 – 22 AWG stranded wire

The Wire-to-Board connector is a new plug connector that mates to the new part number series of the surface mount Hermaphroditic Blade and Receptacle board-to-board connectors. Typical applications include LED lighting modules, incandescent lighting strips, and channel lettering.

**HERMAPHRODITIC WIRE-TO-BOARD CONTACTS**

| Mfg. Part No. | Description | AWG   | Stock No. | Price Each |       |
|---------------|-------------|-------|-----------|------------|-------|
|               |             |       |           | 1-24       | 25-99 |
| ● 2058301-2   | Pin         | 22-18 | 11R8158   | 0.20       | 0.16  |
| ● 2058302-2   | Socket      | 22-18 | 11R8159   | 0.17       | 0.15  |

**HERMAPHRODITIC SMT WIRE-TO-BOARD CONNECTOR HOUSINGS WITH LOCKING LATCH**

| Mfg. Part No. | No. of Contacts | Color   | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------------|---------|------------|-----------|------------|-------|
|               |                 |         |            |           | 1-24       | 25-99 |
| ● 2058299-1   | 2               | Natural | 12.40      | 11R8155   | 0.19       | 0.19  |
| ● 2058299-2   | 4               | Natural | 20.40      | 11R8156   | 0.23       | 0.19  |
| ● 2058299-3   | 6               | Natural | 28.40      | 11R8157   | 0.25       | 0.25  |

**HERMAPHRODITIC SMT BOARD-TO-BOARD / WIRE-TO-BOARD CONNECTORS WITH LOCKING TAB**

|             |   |       |       |         |      |      |
|-------------|---|-------|-------|---------|------|------|
| ● 2058703-1 | 2 | White | 8.70  | 11R8160 | 0.50 | 0.46 |
| ● 2058703-2 | 4 | White | 16.70 | 11R8161 | 1.06 | 0.98 |
| ● 2058703-3 | 6 | White | 24.70 | 11R8162 | 1.77 | 1.59 |

**HERMAPHRODITIC CABLE ASSEMBLIES**

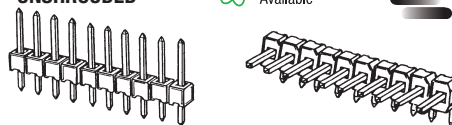
| Mfg. Part No. | Description             | Cable Length (mm) | Cable Color | Stock No. | Price Each |       |
|---------------|-------------------------|-------------------|-------------|-----------|------------|-------|
|               |                         |                   |             |           | 1-24       | 25-99 |
| ● 2058300-1   | 2 Position Single Ended | 101.6             | Natural     | 53R1255   | 1.88       | 1.57  |
| ● 2058300-2   | 4 Position Single Ended | 101.6             | Natural     | 53R1256   | 1.98       | 1.85  |
| ● 2058300-3   | 6 Position Single Ended | 101.6             | Natural     | 53R1257   | 2.34       | 2.19  |

**ACCESSORIES**

| Mfg. Part No. | Description                         | Stock No. | Price Each |       |
|---------------|-------------------------------------|-----------|------------|-------|
|               |                                     |           | 1-24       | 25-99 |
| ● 2058128-1   | 2 Position Wire-to-Board Dust Cover | 11R8152   | 0.18       | 0.18  |
| ● 2058128-2   | 3 Position Wire-to-Board Dust Cover | 11R8153   | 0.60       | 0.60  |
| ● 2058128-3   | 4 Position Wire-to-Board Dust Cover | 11R8154   | 0.23       | 0.23  |

(132430)

**AMP BREAKAWAY HEADERS – UNSHROUDED**



Vertical

Right-Angle

- Full-stick headers break to any size needed
- Unshrouded vertical and right-angle versions available
- 40-positions single row and 80-positions double row configuration
- Copper alloy, drawn wire 0.025" (0.635) square posts
- Choice of 3 platings on contact area: 30µ" gold, 15µ" gold or tin-lead

**RIGHT ANGLE MOUNT**

All feature a flame-retardant, black thermoplastic housing, 94V-0 rated. All posts feature tin-lead on solder area with nickel underlayer. Post lengths include 0.230" (5.84) and 0.318" (8.08) for connector mating; 0.110" (2.79), 0.120" (3.05) and 0.125" (3.18) for PC board soldering 3.984" (0.156) long, pitch spacing: 0.100" (2.54 mm)

| Mfg. Part No. | No. of Contacts | No. of Rows | Plating   | Post Length (mm) | Stock No. | Price Each |       |         |         |
|---------------|-----------------|-------------|-----------|------------------|-----------|------------|-------|---------|---------|
|               |                 |             |           |                  |           | 1-9        | 10-99 | 100-499 | 500-999 |
| ● 9-103759-0  | 40              | 1           | Tin       | 2.29             | 16M3457   | 2.57       | 2.57  | 2.19    | 1.87    |
| ● 4-103323-1  | 40              | 1           | Tin       | 2.79             | 52K4397   | 2.06       | 1.94  | 1.89    | 1.87    |
| ● 9-103323-0  | 40              | 1           | Tin       | 2.79             | 16M4082   | 2.30       | 2.15  | 1.99    | 1.58    |
| ● 9-103329-0  | 40              | 1           | Tin       | 3.05             | 04M7091   | 1.81       | 1.81  | 1.69    | 1.58    |
| ● 9-103325-0  | 40              | 1           | 15µ" Gold | 3.05             | 19R9705   | 3.27       | 3.27  | 2.78    | 2.71    |
| ● 9-103765-0  | 40              | 1           | 30µ" Gold | 2.29             | 02M8721   | 4.12       | 4.12  | 3.50    | 3.00    |
| ● 9-102974-0  | 40              | 1           | 30µ" Gold | 2.79             | 41P0160   | 2.38       | 2.38  | 2.38    | 2.36    |
| ● 9-146305-0  | 40              | 1           | 30µ" Gold | 2.79             | 16M3465   | 3.03       | 3.03  | 3.03    | 2.48    |
| ● 9-146304-0  | 40              | 1           | 30µ" Gold | 3.05             | 16M3464   | 3.62       | 3.51  | 3.40    | 3.17    |
| ● 9-103795-0  | 80              | 2           | Tin       | 2.29             | 03M5156   | 2.84       | 2.68  | 2.68    | 2.66    |
| ● 9-103330-0  | 80              | 2           | Tin       | 3.05             | 70K9525   | 3.53       | 3.53  | 3.00    | 2.81    |
| ● 9-103326-0  | 80              | 2           | 15µ" Gold | 3.05             | 84K9884   | 5.37       | 4.80  | 3.95    | 3.13    |

▶ CONTINUED ▶



PC BOARD HEADERS & SOCKETS

AMP BREAKAWAY HEADERS – UNSHROUDED (CONT.)

| Mfg. Part No. | No. of Contacts | No. of Rows | Plating   | Post Length (mm) | Stock No. | Price Each |       |         |         |
|---------------|-----------------|-------------|-----------|------------------|-----------|------------|-------|---------|---------|
|               |                 |             |           |                  |           | 1-9        | 10-99 | 100-499 | 500-999 |
| ● 9-103801-0  | 80              | 2           | 30u" Gold | 2.29             | 16M3458   | 3.91       | 3.60  | 3.36    | 3.06    |
| ● 9-146309-0  | 80              | 2           | 30u" Gold | 2.79             | 16M3466   | 10.20      | 9.12  | 7.51    | 5.94    |
| ● 9-146308-0  | 80              | 2           | 30u" Gold | 3.05             | 16M1173   | 6.97       | 6.97  | 5.93    | 5.78    |

VERTICAL MOUNT

|              |    |   |           |      |         |      |      |      |      |
|--------------|----|---|-----------|------|---------|------|------|------|------|
| ● 9-146282-0 | 40 | 1 | Tin       | 2.29 | 16M3462 | 2.72 | 2.43 | 2.00 | 1.58 |
| ● 4-103327-9 | 40 | 1 | Tin       | 3.05 | 81H3969 | 2.09 | 1.87 | 1.54 | 1.22 |
| ● 9-146278-0 | 40 | 1 | Tin       | 3.05 | 87K2251 | 2.70 | 2.37 | 2.04 | 1.61 |
| ● 4-103321-8 | 40 | 1 | Tin       | 3.18 | 52K4395 | 2.42 | 1.98 | 1.71 | 1.57 |
| ● 9-146274-0 | 40 | 1 | Tin       | 3.18 | 16M4088 | 1.98 | 1.98 | 1.98 | 1.69 |
| ● 9-146280-0 | 40 | 1 | 15u" Gold | 3.05 | 41P0161 | 3.40 | 3.04 | 2.50 | 1.98 |
| 4-102972-0   | 40 | 1 | 15u" Gold | 3.18 | 13H2985 | ---  | ---  | ---  | ---  |
| ● 9-146276-0 | 40 | 1 | 15u" Gold | 3.18 | 96M0921 | 2.34 | 2.21 | 2.21 | 2.00 |
| ● 9-146285-0 | 40 | 1 | 30u" Gold | 2.29 | 16M3463 | 2.91 | 2.75 | 2.59 | 2.05 |
| ● 9-146281-0 | 40 | 1 | 30u" Gold | 3.05 | 16M3461 | 3.67 | 3.29 | 2.70 | 2.15 |
| ● 9-146277-0 | 40 | 1 | 30u" Gold | 3.18 | 68K0764 | 3.70 | 3.31 | 2.72 | 2.15 |
| ● 5-146256-5 | 10 | 2 | 15u" Gold | 3.05 | 96K2484 | 0.84 | 0.76 | 0.65 | 0.63 |
| ● 5-146256-7 | 14 | 2 | 15u" Gold | 3.05 | 68K9749 | 1.15 | 1.02 | 0.97 | 0.92 |
| ● 4-103328-5 | 80 | 2 | Tin       | 3.05 | 52K4398 | 2.06 | 2.00 | 1.80 | 1.70 |
| ● 4-103322-2 | 80 | 2 | Tin       | 3.18 | 52K4396 | 3.56 | 3.18 | 2.61 | 2.08 |
| ● 9-146256-0 | 80 | 2 | 15u" Gold | 3.05 | 87K2250 | 5.18 | 4.64 | 3.82 | 3.02 |
| 4-102973-0   | 80 | 2 | 15u" Gold | 3.18 | 93F7008 | 4.27 | 3.82 | 3.15 | 2.49 |
| ● 9-146252-0 | 80 | 2 | 15u" Gold | 3.18 | 52M2082 | 5.02 | 4.92 | 4.81 | 3.80 |
| ● 9-146261-0 | 80 | 2 | 30u" Gold | 2.29 | 16M3460 | 4.10 | 4.10 | 4.10 | 4.10 |
| ● 9-146257-0 | 80 | 2 | 30u" Gold | 3.05 | 58K8697 | 5.25 | 4.79 | 4.33 | 3.42 |
| ● 9-146253-0 | 80 | 2 | 30u" Gold | 3.18 | 68K0769 | 4.19 | 3.81 | 3.57 | 3.47 |

(8181)

AMP AMPMODU® SYSTEM 50 HEADERS AND RECEPTACLES

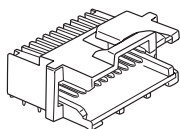


Fig. 1

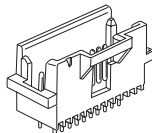


Fig. 2

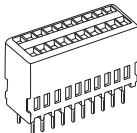


Fig. 3

- Thru-Hole Mount
- Single and Dual Row

- 0.100" (2.54mm) Termination Post Length
- 0.100" (2.54mm) Centerline

Black thermoplastic housing flammability rated UL94V-0. Phosphor bronze contacts plated gold 30µ" in mating area. Tin-lead plating in contact termination area.

SHROUDED HEADERS WITH PC BOARD RETENTION - RIGHT-ANGLE THRU HOLE - FIG. 1

| Mfg. Part No. | Positions | Rows | Stock No. | Price Each |       |
|---------------|-----------|------|-----------|------------|-------|
|               |           |      |           | 1-24       | 25-49 |
| ● 5-104074-8  | 6         | 1    | 40P9471   | 1.33       | ---   |
| ● 6-104074-0  | 8         | 1    | 40P9901   | 1.73       | ---   |
| ● 6-104074-1  | 12        | 1    | 52K3788   | 2.09       | ---   |
| ● 5-104074-3  | 15        | 1    | 52K3692   | 2.66       | ---   |
| ● 5-104074-6  | 30        | 1    | 16M3946   | ---        | ---   |
| ● 5-104069-1  | 20        | 2    | 52K3684   | 3.67       | ---   |
| ● 6-104069-2  | 24        | 2    | 52K3785   | 3.45       | ---   |
| ● 5-104069-5  | 30        | 2    | 52K4429   | 5.82       | ---   |
| ● 5-104069-6  | 40        | 2    | 52K4430   | 10.33      | ---   |
| ● 5-104069-7  | 60        | 2    | 16M3944   | 13.66      | ---   |
| ● 5-104069-3  | 80        | 2    | 52K4428   | 13.26      | ---   |

SHROUDED HEADERS - VERTICAL THRU HOLE - FIG. 2

|              |     |   |         |       |     |
|--------------|-----|---|---------|-------|-----|
| ● 5-104071-8 | 6   | 1 | 21M6744 | 0.93  | --- |
| ● 5-104071-1 | 10  | 1 | 52K3685 | 1.52  | --- |
| ● 6-104071-1 | 12  | 1 | 52K3787 | 1.75  | --- |
| ● 5-104071-4 | 20  | 1 | 52K3687 | 3.15  | --- |
| ● 5-104071-5 | 25  | 1 | 52K3688 | 4.75  | --- |
| ● 6-104068-0 | 16  | 2 | 16M4053 | 2.52  | --- |
| ● 5-104068-1 | 20  | 2 | 52K4422 | 2.68  | --- |
| ● 5-104068-3 | 30  | 2 | 52K4423 | 4.66  | --- |
| ● 5-104068-6 | 60  | 2 | 52K4426 | 14.80 | --- |
| ● 6-104068-8 | 68  | 2 | 52K3784 | 14.38 | --- |
| ● 6-104068-6 | 80  | 2 | 52K4453 | 9.70  | --- |
| ● 6-104068-7 | 100 | 2 | 52K4454 | 17.17 | --- |

HEADER - RIGHT-ANGLE THRU HOLE

|              |    |   |         |      |     |
|--------------|----|---|---------|------|-----|
| ● 6-104186-1 | 20 | 1 | 16M4056 | 4.26 | --- |
| ● 5-104118-1 | 50 | 2 | 16M3949 | 6.75 | --- |

➔ CONTINUED ➔

AMP AMPMODU® SYSTEM 50 HEADERS AND RECEPTACLES (CONT.)

HEADER WITH PC RETENTION - VERTICAL THRU HOLE

| Mfg. Part No. | Positions | Rows | Stock No. | Price Each |       |
|---------------|-----------|------|-----------|------------|-------|
|               |           |      |           | 1-24       | 25-49 |
| ● 5-103916-9  | 30        | 2    | 16M3940   | 5.39       | ---   |

HEADER - VERTICAL THRU HOLE

|              |    |   |         |      |     |
|--------------|----|---|---------|------|-----|
| ● 5-104178-6 | 10 | 1 | 16M3952 | 1.39 | --- |
| ● 6-103916-1 | 40 | 2 | 16M4051 | 3.50 | --- |
| ● 6-103916-3 | 50 | 2 | 16M4052 | 7.06 | --- |

RECEPTACLES WITH PC RETENTION - RIGHT-ANGLE THRU HOLE

|              |    |   |         |      |     |
|--------------|----|---|---------|------|-----|
| ● 5-103911-1 | 10 | 2 | 16M3935 | ---  | --- |
| ● 5-103911-5 | 40 | 2 | 16M3938 | 7.72 | --- |

VERTICAL RECEPTACLE - THROUGH HOLE - FIG. 3

|              |     |   |         |       |     |
|--------------|-----|---|---------|-------|-----|
| ● 5-104078-3 | 10  | 2 | 16M3948 | 1.22  | --- |
| ● 5-104078-1 | 20  | 2 | 52K4431 | 3.05  | --- |
| ● 5-104078-4 | 30  | 2 | 52K4432 | 5.29  | --- |
| ● 5-104078-2 | 40  | 2 | 52K3694 | 5.57  | --- |
| ● 5-104078-5 | 50  | 2 | 52K3695 | 8.08  | --- |
| ● 5-104078-7 | 80  | 2 | 63K9842 | 15.05 | --- |
| ● 5-104078-8 | 100 | 2 | 52K4434 | 18.82 | --- |

SHROUDED HEADERS - VERTICAL SURFACE MOUNT

|              |    |   |         |       |     |
|--------------|----|---|---------|-------|-----|
| ● 5-104549-2 | 20 | 2 | 52K4435 | 3.17  | --- |
| ● 5-104549-6 | 40 | 2 | 16M3957 | 6.02  | --- |
| ● 5-104549-7 | 50 | 2 | 52K4437 | 9.05  | --- |
| ● 5-104549-9 | 80 | 2 | 52K3698 | 14.75 | --- |

VERTICAL RECEPTACLES - SURFACE MOUNT

|              |    |   |         |      |     |
|--------------|----|---|---------|------|-----|
| ● 5-104550-2 | 20 | 2 | 16M3958 | 4.20 | --- |
| ● 5-104550-4 | 30 | 2 | 16M3959 | ---  | --- |
| ● 5-104550-5 | 40 | 2 | 16M3960 | 5.09 | --- |
| ● 5-104550-6 | 50 | 2 | 16M3961 | 6.87 | --- |

CABLE-TO-BOARD RECEPTACLES

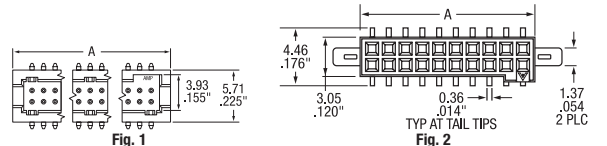
|            |   |   |         |      |     |
|------------|---|---|---------|------|-----|
| ● 487544-3 | 6 | 1 | 13H5985 | 1.24 | --- |
|------------|---|---|---------|------|-----|

CABLE-TO-BOARD RECEPTACLES - LATCH STYLE

|              |    |   |         |      |     |
|--------------|----|---|---------|------|-----|
| ● 487545-1   | 4  | 1 | 13H5988 | 0.61 | --- |
| ● 487545-2   | 5  | 1 | 13H5989 | 1.21 | --- |
| ● 487545-3   | 6  | 1 | 13H5990 | 1.33 | --- |
| ● 487545-5   | 8  | 1 | 31C0055 | 0.65 | --- |
| ● 487545-7   | 10 | 1 | 88F5214 | 0.87 | --- |
| ● 1-487545-7 | 20 | 1 | 93B7249 | 1.17 | --- |

(75481)

AMP AMPMODU 50/50 GRID CONNECTORS



Vertical dual-row, surface mount headers and receptacles feature black glass-filled thermoplastic housing, rated UL94V-0. Headers have phosphor bronze contacts and receptacles have beryllium copper contacts. Both are duplex gold-plated in mating area.

VERTICAL DUAL-ROW HEADERS, 0.250" (6.35) MATED HEIGHT — FIG. 1

| Mfg. Part No. | Contacts | Dim. "A" (Inches) | Stock No. | Price Each |       |
|---------------|----------|-------------------|-----------|------------|-------|
|               |          |                   |           | 1-24       | 25-49 |
| ● 5-104655-4  | 30       | 0.772             | 52K3704   | 5.36       | 4.80  |
| ● 5-104655-9  | 80       | 2.122             | 18R8146   | ---        | ---   |

VERTICAL DUAL-ROW RECEPTACLES — FIG. 2

|              |    |       |         |      |      |
|--------------|----|-------|---------|------|------|
| ● 5-104652-1 | 10 | 0.266 | 52K3699 | 5.47 | 5.02 |
| ● 5-104652-2 | 20 | 0.516 | 52K4438 | 2.75 | 2.57 |
| ● 5-104652-5 | 50 | 1.266 | 52K4440 | 7.15 | 6.48 |
| ● 5-104652-6 | 60 | 1.516 | 52K3701 | 7.54 | 7.43 |
| ● 5-104652-8 | 80 | 2.016 | 52K3702 | 9.96 | 9.01 |

VERTICAL DUAL-ROW RECEPTACLES (NOT SHOWN)

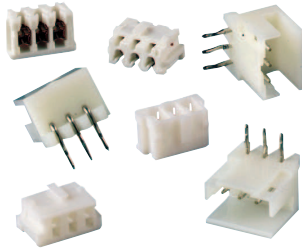
|              |    |       |         |      |      |
|--------------|----|-------|---------|------|------|
| ● 5-104550-2 | 20 | 0.544 | 16M3958 | 4.20 | 3.85 |
| ● 5-104550-5 | 40 | 1.044 | 16M3960 | 5.09 | 5.09 |
| ● 5-104550-6 | 50 | 1.294 | 16M3961 | 6.87 | 6.87 |

\* Mated height depends on header/receptacle combination.

(75483)

**AMP 1.5MM MINI COMMON TERMINATION (CT) CONNECTOR SYSTEM**

**NEW**



- Contact material and finish: Phosphor bronze, tin plated
- Housing material: UL94V-0 rated, nylon %

**MINI CT CONTACTS**

| Mfg. Part No. | Wire Diameter (mm) | Wire Size (AWG) | Package     | Stock No. | Price Each |         |
|---------------|--------------------|-----------------|-------------|-----------|------------|---------|
|               |                    |                 |             |           | 1-499      | 500-999 |
| ● 353907-1    | 0.88 - 1.00        | 28-24           | Reel        | 73H3370   | 0.05       | 0.05    |
| ● 353918-1    | 0.88 - 1.00        | 28-24           | Loose Piece | 70M9691   | 0.57       | 0.57    |

**MINI CT RECEPTACLE HOUSING**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 353908-2    | 2           | 4.5        | 01P0293   | ---        | ---   |
| ● 353908-3    | 3           | 6.0        | 31M7006   | 0.29       | 0.29  |
| ● 353908-5    | 5           | 9.0        | 08P0640   | 0.29       | 0.25  |
| ● 353908-6    | 6           | 10.5       | 13H2228   | 0.43       | 0.37  |
| ● 353908-7    | 7           | 12.0       | 08P0641   | 0.37       | 0.32  |
| ● 353908-8    | 8           | 13.5       | 13H2229   | 0.40       | 0.36  |
| ● 353908-9    | 9           | 15.0       | 08P0642   | 0.39       | 0.39  |
| ● 1-353908-0  | 10          | 16.5       | 88H3093   | 0.48       | 0.47  |
| ● 1-353908-1  | 11          | 18.0       | 08P0612   | 0.39       | 0.35  |
| ● 1-353908-2  | 12          | 19.5       | 09H9222   | 0.54       | 0.49  |
| ● 1-353908-3  | 13          | 21.0       | 08P0613   | 0.59       | 0.56  |
| ● 1-353908-4  | 14          | 22.5       | 08P0614   | 0.73       | 0.68  |
| ● 1-353908-5  | 15          | 24.0       | 08P0615   | 0.56       | 0.53  |

**MINI CT IDC RECEPTACLE ASSEMBLIES**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 353293-2    | 2           | 4.5        | 01P0292   | ---        | ---   |
| ● 353293-3    | 3           | 6.0        | 64J8811   | 0.26       | 0.22  |
| ● 353293-4    | 4           | 7.5        | 61H8189   | ---        | ---   |
| ● 353293-5    | 5           | 9.0        | 08P0639   | 0.28       | 0.27  |
| ● 353293-6    | 6           | 10.5       | 27K4264   | 0.27       | 0.25  |
| ● 353293-7    | 7           | 12.0       | 13H2176   | 0.29       | 0.29  |
| ● 353293-8    | 8           | 13.5       | 67H6051   | 0.41       | 0.37  |
| ● 353293-9    | 9           | 15.0       | 30H5182   | 0.34       | 0.31  |
| ● 1-353293-0  | 10          | 16.5       | 40K2347   | ---        | ---   |
| ● 1-353293-1  | 11          | 18.0       | 08P0609   | 0.38       | 0.36  |
| ● 1-353293-2  | 12          | 19.5       | 83H0217   | ---        | ---   |
| ● 1-353293-3  | 13          | 21.0       | 08P0610   | 0.41       | 0.37  |
| ● 1-353293-4  | 14          | 22.5       | 08P0611   | 0.37       | 0.36  |
| ● 1-353293-5  | 15          | 24.0       | 06H3106   | 0.44       | 0.40  |

**MINI CT SINGLE ROW POST HEADER ASSEMBLIES - PANEL-MOUNT**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 292215-2    | 2           | 5.5        | 17R9362   | 0.39       | 0.35  |
| ● 292215-3    | 3           | 7.0        | 17R9363   | 0.42       | 0.39  |
| ● 292215-4    | 4           | 8.5        | 17R9364   | 0.41       | 0.37  |
| ● 292215-5    | 5           | 10.0       | 08N1499   | 0.37       | 0.34  |
| ● 292215-6    | 6           | 11.5       | 17R9365   | 0.41       | 0.41  |

**MINI CT VERTICAL HEADER ASSEMBLIES - THRU HOLE**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 292207-2    | 2           | 5.5        | 17R9357   | 0.26       | 0.26  |
| ● 292207-3    | 3           | 7.0        | 39M4081   | ---        | ---   |
| ● 292207-4    | 4           | 8.5        | 39M4082   | 0.84       | 0.79  |
| ● 292207-5    | 5           | 10.0       | 17R9358   | 0.24       | 0.24  |
| ● 292207-6    | 6           | 11.5       | 17R9359   | 0.34       | 0.31  |

**MINI CT RIGHT-ANGLE HEADER ASSEMBLIES - THRU HOLE**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 292206-2    | 2           | 5.5        | 08P0633   | 0.38       | 0.36  |
| ● 292206-5    | 5           | 10.0       | 08P0634   | 0.46       | 0.42  |
| ● 292206-6    | 6           | 11.5       | 08P0635   | 0.56       | 0.53  |
| ● 292206-7    | 7           | 13.0       | 08P0636   | 0.58       | 0.55  |
| ● 292206-8    | 8           | 14.5       | 08P0637   | ---        | ---   |
| ● 292206-9    | 9           | 16.0       | 08P0638   | 0.69       | 0.65  |
| ● 1-292206-0  | 10          | 17.5       | 08P0604   | 0.47       | 0.42  |
| ● 1-292206-1  | 11          | 19.0       | 08P0605   | 0.72       | 0.68  |
| ● 1-292206-2  | 12          | 20.5       | 08P0606   | 0.82       | 0.77  |
| ● 1-292206-3  | 13          | 22.0       | 08P0607   | 0.55       | 0.52  |
| ● 1-292206-4  | 14          | 23.5       | 08P0608   | 0.77       | 0.70  |
| ● 1-292206-5  | 15          | 25.0       | 72J8376   | ---        | ---   |

▶ CONTINUED ▶

**AMP 1.5MM MINI COMMON TERMINATION (CT) CONNECTOR SYSTEM (CONT.)**

**MINI CT RIGHT-ANGLE HEADER ASSEMBLIES - SURFACE MOUNT - WITH MOUNTING BOSS**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 292227-2    | 2           | 5.5        | 17R9369   | 0.60       | 0.60  |
| ● 292227-3    | 3           | 7.0        | 17R9370   | 0.98       | 0.89  |
| ● 292227-4    | 4           | 8.5        | 17R9371   | 0.62       | 0.62  |
| ● 292227-5    | 5           | 10.0       | 72K6847   | ---        | ---   |
| ● 292227-6    | 6           | 11.5       | 17R9372   | 0.76       | 0.68  |
| ● 292227-7    | 7           | 13.0       | 17R9373   | 1.16       | 1.09  |

**MINI CT RIGHT-ANGLE HEADER ASSEMBLIES - SURFACE MOUNT - WITHOUT MOUNTING BOSS**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 292228-2    | 2           | 7.5        | 17R9376   | 0.74       | 0.66  |
| ● 292228-3    | 3           | 9.0        | 66K9710   | ---        | ---   |
| ● 292228-4    | 4           | 10.5       | 28M4644   | ---        | ---   |
| ● 292228-5    | 5           | 12.0       | 83K8959   | ---        | ---   |
| ● 292228-6    | 6           | 13.5       | 17R9377   | 0.64       | 0.58  |
| ● 1-292228-8  | 18          | 31.5       | 17R0192   | 0.79       | 0.71  |

**MINI CT VERTICAL HEADER ASSEMBLIES - SURFACE MOUNT - WITH MOUNTING BOSS**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 292230-3    | 3           | 7.0        | 02P7085   | 0.55       | 0.49  |
| ● 292230-4    | 4           | 8.5        | 17R9380   | 0.38       | 0.38  |
| ● 292230-5    | 5           | 10.0       | 17R9381   | 0.82       | 0.74  |
| ● 292230-6    | 6           | 11.5       | 17R9382   | 0.38       | 0.38  |

**MINI CT VERTICAL HEADER ASSEMBLIES - SURFACE MOUNT - WITHOUT MOUNTING BOSS**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 292231-3    | 3           | 7.0        | 31M7990   | ---        | ---   |

**TOOLING**

| Mfg. Part No. | Description                                       | Stock No. | Price Each |
|---------------|---|-----------|------------|
| ● 1729069-1   | Short Handle Crimp Tool for 28-24 AWG CT Contacts | 73P7447   | 1990.72    |

**AMP MODU MOD II HEADERS**



- Vertical and right-angle versions available
- Phosphor Bronze 0.025" (0.635) square post contacts

• Contact areaplating : 30µ" gold, 15µ" gold or tin  
 All feature a flame-retardant, black thermoplastic housing, 94V-0 rated. Post lengths include 0.318" (8.08) for connector mating; 0.125" (3.18) for PC board soldering, pitch spacing: 0.100" (2.54 mm)

**VERTICAL MOUNT SINGLE ROW HEADERS, 15µ" GOLD PLATING**

| Mfg. Part No. | Contacts | Stock No. | Price Each |       |       |         |
|---------------|----------|-----------|------------|-------|-------|---------|
|               |          |           | 1-24       | 25-49 | 50-99 | 100-499 |
| ● 87224-1     | 1        | 90F4421   | 0.45       | 0.42  | 0.38  | 0.35    |
| ● 87224-2     | 2        | 90F4424   | 0.77       | 0.73  | 0.70  | 0.61    |
| ● 87224-3     | 3        | 50F752    | 0.82       | 0.80  | 0.77  | 0.67    |
| ● 87224-4     | 4        | 90F4429   | 1.57       | 1.39  | 1.26  | 1.15    |
| ● 87224-5     | 5        | 90F4554   | 1.73       | 1.73  | 1.61  | 1.52    |
| ● 87224-6     | 6        | 90F4557   | 1.45       | 1.36  | 1.30  | 1.30    |
| ● 87224-7     | 7        | 90F4558   | 2.25       | 2.19  | 2.08  | 1.86    |
| ● 87224-8     | 8        | 90F4560   | 2.08       | 2.08  | 1.94  | 1.89    |
| ● 1-87224-0   | 10       | 66F9173   | 3.44       | 3.08  | 2.75  | 2.45    |
| ● 2-87224-0   | 20       | 26C0081   | 5.69       | 5.53  | 5.79  | 5.18    |

**VERTICAL MOUNT SINGLE ROW HEADERS, 30µ" GOLD PLATING**

| Mfg. Part No. | Contacts | Stock No. | Price Each |       |       |         |
|---------------|----------|-----------|------------|-------|-------|---------|
|               |          |           | 1-24       | 25-49 | 50-99 | 100-499 |
| ● 87220-1     | 1        | 90F4438   | 0.66       | 0.60  | 0.60  | 0.53    |
| ● 87220-2     | 2        | 90F4423   | 0.85       | 0.80  | 0.76  | 0.66    |
| ● 87220-3     | 3        | 90F4426   | 1.06       | 1.00  | 0.95  | 0.82    |
| ● 87220-4     | 4        | 90F4428   | 1.31       | 1.22  | 1.16  | 1.13    |
| ● 87220-5     | 5        | 19R9681   | 2.08       | 2.08  | 2.01  | 1.83    |
| ● 87220-6     | 6        | 90F4556   | 2.66       | 2.68  | 2.39  | 2.15    |
| ● 87220-8     | 8        | 90F4559   | 3.40       | 3.43  | 3.05  | 2.73    |
| ● 1-87220-0   | 10       | 90B931    | 4.15       | 3.91  | 3.49  | 3.25    |
| ● 2-87220-0   | 20       | 17H3113   | 7.16       | 6.96  | 6.64  | 5.93    |

**RIGHT ANGLE MOUNT SINGLE ROW HEADERS, 15µ" GOLD PLATING**

| Mfg. Part No. | Contacts | Stock No. | Price Each |       |       |         |
|---------------|----------|-----------|------------|-------|-------|---------|
|               |          |           | 1-24       | 25-49 | 50-99 | 100-499 |
| ● 87233-2     | 2        | 16H8621   | 0.82       | 0.75  | 0.75  | 0.66    |
| ● 87233-3     | 3        | 90F4420   | 1.30       | 1.22  | 1.17  | 1.01    |

**RIGHT ANGLE MOUNT SINGLE ROW HEADERS, 30µ" GOLD PLATING**

| Mfg. Part No. | Contacts | Stock No. | Price Each |       |       |         |
|---------------|----------|-----------|------------|-------|-------|---------|
|               |          |           | 1-24       | 25-49 | 50-99 | 100-499 |
| ● 87232-3     | 3        | 16H8620   | 1.26       | 1.18  | 1.09  | 1.03    |

**VERTICAL MOUNT DOUBLE ROW HEADERS, 15µ" GOLD PLATING**

| Mfg. Part No. | No. of Pos. | Width (mm) | Stock No. | Price Each |       |
|---------------|-------------|------------|-----------|------------|-------|
|               |             |            |           | 1-24       | 25-49 |
| ● 87227-1     | 2           | 90F4652    | 1.08      | 1.08       | 1.01  |
| ● 87227-2     | 4           | 90F4654    | 1.94      | 1.82       | 1.74  |
| ● 87227-3     | 6           | 90F4667    | 1.97      | 1.91       | 1.83  |
| ● 87227-4     | 8           | 74M8239    | 2.99      | 2.79       | 2.51  |
| ● 87227-5     | 10          | 90F4659    | 3.79      | 3.62       | 3.46  |
| ● 87227-6     | 12          | 55M6758    | 3.49      | 3.48       | 3.32  |
| ● 87227-7     | 14          | 90F4642    | 3.88      | 3.62       | 3.62  |
| ● 87227-8     | 16          | 92B9744    | 4.16      | 4.16       | 4.16  |
| ● 1-87227-0   | 20          | 90F4632    | 4.43      | 4.43       | 4.43  |
| ● 1-87227-3   | 26          | 90F4636    | 6.56      | 6.56       | 6.19  |
| ● 2-87227-5   | 50          | 12H4502    | 12.95     | 12.34      | 11.10 |

▶ CONTINUED ▶

## PC BOARD HEADERS & SOCKETS

### AMPMODU MOD II HEADERS (CONT.)

#### VERTICAL MOUNT DOUBLE ROW HEADERS, 30µ" GOLD PLATING

| Mfg. Part No. | Contacts | Stock No. | Price Each |       |       |         |
|---------------|----------|-----------|------------|-------|-------|---------|
|               |          |           | 1-24       | 25-49 | 50-99 | 100-499 |
| ● 1-87215-0   | 2        | 90F4651   | 1.35       | 1.26  | 1.20  | 1.04    |
| ● 1-87215-1   | 4        | 66H6768   | 1.38       | 1.19  | 1.19  | 1.11    |
| ● 1-87215-2   | 6        | 90F4666   | 2.29       | 2.13  | 2.13  | 1.96    |
| ● 87215-1     | 8        | 90F4671   | 3.10       | 2.89  | 2.89  | 2.66    |
| ● 87215-2     | 10       | 90F4658   | 4.20       | 3.92  | 3.92  | 3.54    |
| ● 87215-3     | 12       | 90F4664   | 5.45       | 5.00  | 4.77  | 3.98    |
| ● 87215-4     | 14       | 90F4641   | ---        | ---   | ---   | ---     |
| ● 87215-5     | 16       | 16H8616   | 5.04       | 4.71  | 4.71  | 4.33    |
| ● 87215-7     | 20       | 90F4631   | 6.85       | 6.85  | 6.47  | 5.82    |

#### RIGHT ANGLE MOUNT DOUBLE ROW HEADERS, 30µ" GOLD PLATING

|           |    |         |      |      |      |      |
|-----------|----|---------|------|------|------|------|
| ● 86479-3 | 10 | 16H8538 | 3.40 | 3.18 | 3.18 | 2.87 |
| ● 86479-2 | 16 | 52F5155 | 5.62 | 5.15 | 4.91 | 4.10 |
| ● 86479-1 | 20 | 24C0656 | 6.23 | 6.05 | 6.01 | 5.22 |

#### RIGHT ANGLE MOUNT DOUBLE ROW HEADERS, 15µ" GOLD PLATING

|             |    |         |      |      |      |      |
|-------------|----|---------|------|------|------|------|
| ● 87230-4   | 8  | 20C7721 | 1.54 | 1.54 | 1.44 | 1.36 |
| ● 1-87230-0 | 20 | 52F5513 | 4.33 | 4.09 | 3.98 | 3.54 |

#### SURFACE MOUNT DOUBLE ROW HEADERS, 30µ" GOLD PLATING

|              |    |         |      |      |      |      |
|--------------|----|---------|------|------|------|------|
| ● 5-146130-4 | 10 | 72K7733 | 0.93 | 0.84 | 0.81 | 0.71 |
|--------------|----|---------|------|------|------|------|

### AMPMODU MOD II SHROUDED HEADERS

NEW



- 0.100" (2.54mm) Centers
- Vertical and right-angle versions available
- Single and double row configurations
- Insulation resistance: 5,000 megohms minimum initial
- Dielectric withstanding voltage: 750 RMS at sea level
- Operating temperature: -65°C to +105°C
- Current rating: 3 A

The AMPMODU interconnection system provides interconnections with a unique modular concept, utilizing precision formed receptacle contacts and mating posts. The 0.025 [0.64] square interconnection system is rated at 3 A per contact. Housings are black thermoplastic, flame retardant UL94V-0 rated. Contacts are copper alloy with tin, 15µ" or 30µ" gold on mating area. Headers available with 0.066 [1.68] and 0.150 [3.81] end dimensions.

#### SINGLE-ROW VERTICAL HEADERS WITH STANDOFFS

| Mfg. Part No. | Positions | Plating   | Stock No. | Price Each |       |
|---------------|-----------|-----------|-----------|------------|-------|
|               |           |           |           | 1-24       | 25-49 |
| ● 5-103080-1  | 3         | Tin       | 28M4487   | 0.80       | 0.80  |
| ● 5-103080-2  | 4         | Tin       | 40P9413   | 1.27       | 1.20  |
| ● 5-103080-3  | 5         | Tin       | 40P9414   | 2.13       | 1.91  |
| ● 8-102202-4  | 3         | 15µ" Gold | 87K2249   | 1.30       | 1.22  |
| ● 5-102202-1  | 4         | 15µ" Gold | 87K2237   | 1.30       | 1.22  |
| ● 5-102202-2  | 5         | 15µ" Gold | 40P9389   | 1.59       | 1.48  |
| 102202-5      | 8         | 15µ" Gold | 90F4860   | 1.94       | 1.82  |
| ● 5-102202-4  | 7         | 15µ" Gold | 40P9390   | 2.29       | 2.05  |
| ● 5-102202-5  | 8         | 15µ" Gold | 40P9391   | 1.65       | 1.65  |
| ● 5-102202-6  | 9         | 15µ" Gold | 40P9392   | 1.92       | 1.80  |
| ● 5-102202-7  | 10        | 15µ" Gold | 40P9393   | 2.57       | 2.40  |
| ● 6-102202-1  | 14        | 15µ" Gold | 40P9879   | 2.83       | 2.60  |
| ● 5-103414-1  | 3         | 30µ" Gold | 87K2239   | 0.76       | 0.70  |
| ● 5-103414-2  | 4         | 30µ" Gold | 87K2240   | ---        | ---   |
| ● 5-103414-3  | 5         | 30µ" Gold | 16M3115   | 2.29       | 2.15  |
| 103414-4      | 6         | 30µ" Gold | 90F7755   | ---        | ---   |
| ● 5-103414-5  | 7         | 30µ" Gold | 04R6573   | 2.08       | 1.96  |
| ● 5-103414-6  | 8         | 30µ" Gold | 16M3116   | 1.79       | 1.79  |
| ● 5-103414-8  | 10        | 30µ" Gold | 40P9430   | 2.15       | 2.00  |
| ● 6-103414-0  | 12        | 30µ" Gold | 40P9893   | 2.15       | 2.01  |

#### SINGLE-ROW RIGHT ANGLE HEADERS WITH STANDOFFS

|              |    |           |         |      |      |
|--------------|----|-----------|---------|------|------|
| ● 3-102203-9 | 3  | 15µ" Gold | 52K4322 | ---  | ---  |
| ● 8-102203-4 | 3  | 15µ" Gold | 41P0049 | 1.23 | 1.15 |
| ● 3-102203-7 | 4  | 15µ" Gold | 52K3522 | 1.33 | 1.21 |
| ● 5-102203-2 | 5  | 15µ" Gold | 40P9395 | ---  | ---  |
| ● 5-102203-3 | 6  | 15µ" Gold | 40P9396 | 1.22 | 1.22 |
| ● 5-102203-5 | 8  | 15µ" Gold | 40P9398 | 2.57 | 2.49 |
| ● 5-102203-7 | 10 | 15µ" Gold | 21M6741 | ---  | ---  |
| 102203-9     | 12 | 15µ" Gold | 97F8611 | ---  | ---  |
| 1-102203-1   | 14 | 15µ" Gold | 97F8612 | 3.70 | 3.50 |
| ● 5-103361-1 | 3  | 30µ" Gold | 79K2824 | 1.33 | 1.33 |
| ● 5-103361-2 | 4  | 30µ" Gold | 16M3114 | 1.37 | 1.37 |
| ● 5-103361-3 | 5  | 30µ" Gold | 40P9425 | 1.62 | 1.53 |
| ● 5-103361-4 | 6  | 30µ" Gold | 40P9426 | 2.08 | 1.94 |
| ● 5-103361-5 | 7  | 30µ" Gold | 22R4484 | 1.65 | 1.57 |
| ● 5-103361-8 | 10 | 30µ" Gold | 40P9428 | 1.65 | 1.65 |
| 1-103361-0   | 12 | 30µ" Gold | 09H2669 | 3.29 | 3.01 |

▶ CONTINUED ▶

### AMPMODU MOD II SHROUDED HEADERS (CONT.)

#### DOUBLE-ROW VERTICAL HEADERS WITH 0.066" (1.68) END DIMENSION & DETENT WINDOWS

| Mfg. Part No. | Positions | Plating   | Stock No. | Price Each |       |
|---------------|-----------|-----------|-----------|------------|-------|
|               |           |           |           | 1-24       | 25-49 |
| ● 5-87589-2   | 12        | Tin       | 19R0782   | 1.74       | 1.63  |
| ● 5-102618-1  | 6         | 15µ" Gold | 74M8235   | 1.31       | 1.31  |
| ● 5-102618-2  | 8         | 15µ" Gold | 40P9403   | 1.46       | 1.46  |
| ● 5-102618-3  | 10        | 15µ" Gold | 40P9404   | 2.29       | 2.21  |
| ● 5-102618-4  | 12        | 15µ" Gold | 74M8236   | 1.85       | 1.73  |
| ● 5-102618-5  | 14        | 15µ" Gold | 15P4517   | 2.08       | 1.93  |
| ● 5-102618-6  | 16        | 15µ" Gold | 40P9405   | 2.15       | 2.00  |
| ● 5-102618-8  | 20        | 15µ" Gold | 10M8815   | 2.87       | 2.72  |
| ● 6-102618-0  | 24        | 15µ" Gold | 19R3472   | 3.08       | 2.86  |
| ● 6-102618-1  | 26        | 15µ" Gold | 29M8201   | 3.25       | 3.25  |
| ● 7-102618-3  | 50        | 15µ" Gold | 23R1616   | 6.70       | 6.70  |
| ● 5-103168-1  | 6         | 30µ" Gold | 16M3113   | 1.72       | 1.61  |
| ● 5-103168-2  | 8         | 30µ" Gold | 53M4745   | 1.35       | 1.35  |
| ● 5-103168-3  | 10        | 30µ" Gold | 87K2238   | 1.72       | 1.72  |
| ● 5-103168-4  | 12        | 30µ" Gold | 40P9419   | 2.30       | 2.15  |
| ● 5-103168-5  | 14        | 30µ" Gold | 40P9420   | 3.29       | 3.01  |
| ● 5-103168-6  | 16        | 30µ" Gold | 40P9421   | 2.87       | 2.68  |
| ● 5-103168-8  | 20        | 30µ" Gold | 19P7568   | 4.06       | 3.72  |
| ● 6-103168-0  | 24        | 30µ" Gold | 40P9891   | 4.06       | 3.79  |
| ● 6-103168-1  | 26        | 30µ" Gold | 53M2991   | 4.41       | 4.17  |
| ● 6-103168-5  | 34        | 30µ" Gold | 88M2289   | ---        | ---   |
| ● 6-103168-8  | 40        | 30µ" Gold | 19R3523   | 6.48       | 6.06  |
| ● 7-103168-3  | 50        | 30µ" Gold | 19R7114   | 9.82       | 9.58  |
| 2-103168-8    | 60        | 30µ" Gold | 90F4547   | ---        | ---   |

#### DOUBLE-ROW VERTICAL HEADERS WITH 0.150 (3.81) END DIMENSION & DETENT WINDOWS

|              |    |           |         |      |      |
|--------------|----|-----------|---------|------|------|
| ● 5-102619-3 | 10 | 15µ" Gold | 40P9406 | 1.46 | 1.46 |
| ● 5-102619-5 | 14 | 15µ" Gold | 14R4550 | 1.79 | 1.69 |
| ● 5-102619-6 | 16 | 15µ" Gold | 18R7692 | ---  | ---  |
| ● 5-102619-8 | 20 | 15µ" Gold | 40P9407 | 2.37 | 2.22 |
| ● 6-102619-0 | 24 | 15µ" Gold | 48M4362 | 2.85 | 2.85 |
| ● 6-102619-1 | 26 | 15µ" Gold | 19M4995 | 4.49 | 4.11 |
| ● 6-102619-8 | 40 | 15µ" Gold | 19R3482 | 5.43 | 5.08 |
| ● 7-102619-3 | 50 | 15µ" Gold | 19R7090 | 7.15 | 7.15 |
| 103169-1     | 6  | 30µ" Gold | 50B447  | 1.08 | 1.08 |
| ● 5-103169-2 | 8  | 30µ" Gold | 18R7762 | 1.77 | 1.77 |
| ● 5-103169-3 | 10 | 30µ" Gold | 19M1587 | 2.58 | 2.33 |
| 103169-5     | 14 | 30µ" Gold | 40C1411 | 2.06 | 1.89 |
| ● 5-103169-6 | 16 | 30µ" Gold | 40P9423 | 2.57 | 2.43 |
| ● 5-103169-8 | 20 | 30µ" Gold | 18R7765 | 2.98 | 2.98 |
| 1-103169-0   | 24 | 30µ" Gold | 09H2632 | ---  | ---  |
| 1-103169-5   | 34 | 30µ" Gold | 95F1807 | 7.08 | 6.37 |

#### DOUBLE-ROW RIGHT-ANGLE HEADERS WITH 0.066" (1.68) END DIMENSION & DETENT WINDOWS

|              |    |           |         |      |      |
|--------------|----|-----------|---------|------|------|
| 87579-2      | 10 | Tin       | 16H8641 | 1.40 | 1.31 |
| ● 5-102617-2 | 8  | 15µ" Gold | 44P2694 | 1.57 | 1.57 |
| ● 5-102617-3 | 10 | 15µ" Gold | 93K6079 | 2.45 | 2.24 |
| ● 5-102617-4 | 12 | 15µ" Gold | 46P6114 | 2.44 | 2.27 |
| ● 5-102617-5 | 14 | 15µ" Gold | 40P9402 | 3.44 | 3.21 |
| ● 5-103166-1 | 6  | 30µ" Gold | 16M3112 | 1.16 | 1.16 |
| ● 5-103166-2 | 8  | 30µ" Gold | 74M8237 | 1.57 | 1.57 |
| ● 5-103166-3 | 10 | 30µ" Gold | 74M8238 | 2.08 | 1.96 |
| ● 5-103166-4 | 12 | 30µ" Gold | 14N3980 | 2.29 | 2.13 |
| ● 5-103166-5 | 14 | 30µ" Gold | 40P9415 | ---  | ---  |
| 103166-6     | 16 | 30µ" Gold | 66F9149 | ---  | ---  |
| ● 5-103166-8 | 20 | 30µ" Gold | 40P9417 | 3.42 | 3.19 |
| ● 6-103166-8 | 20 | 30µ" Gold | 93K7737 | 5.32 | 5.17 |
| 1-103166-3   | 30 | 30µ" Gold | 01H7037 | ---  | ---  |
| 1-103166-8   | 40 | 30µ" Gold | 85C1631 | ---  | ---  |

#### DOUBLE-ROW RIGHT ANGLE HEADERS WITH 0.150 (3.81) END DIMENSION & DETENT WINDOWS

|              |    |           |         |      |      |
|--------------|----|-----------|---------|------|------|
| 102570-3     | 10 | 15µ" Gold | 90F4105 | 2.40 | 2.20 |
| ● 5-102570-6 | 16 | 15µ" Gold | 40P9400 | 1.78 | 1.67 |
| ● 5-103167-2 | 10 | 30µ" Gold | 56P4976 | 1.69 | 1.69 |
| 103167-7     | 20 | 30µ" Gold | 92F364  | 4.42 | 4.12 |

(165107)

(196525)

Your peers value your opinion

Be sure to rate products online by clicking on review links on product detail pages.

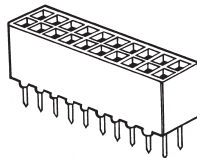


PC BOARD HEADERS & SOCKETS

**AMPMODU MOD. II AND MOD. IV PC BOARD RECEPTACLES**



- 2 Rows
- 0.100" Centers
- Black Flame-Retardant Housing
- Rated UL94V-0
- UL Recognized, CSA Certified



Vertical mount PC board receptacle assemblies, double row. Phosphor bronze contacts plated 30µ" gold on contact area, tin on solder area with full nickel underplate.

**MOD. II SINGLE ROW, CLOSED TOP ENTRY END STACKABLE**

| Mfg. Part No. | Positions | Plating   | Stock No. | Price Each |       |         |         |
|---------------|-----------|-----------|-----------|------------|-------|---------|---------|
|               |           |           |           | 1-24       | 25-99 | 100-499 | 500-999 |
| 5-534237-1    | 3         | 30u" Gold | 39P9514   | 0.58       | 0.54  | 0.52    | 0.47    |
| 5-534237-2    | 4         | 30u" Gold | 40P9556   | 0.82       | 0.82  | 0.77    | 0.71    |
| 5-534237-3    | 5         | 30u" Gold | 18R9351   | 0.80       | 0.80  | 0.69    | 0.69    |
| 5-534237-4    | 6         | 30u" Gold | 62M8851   | 0.97       | 0.91  | 0.86    | 0.83    |
| 5-534237-5    | 7         | 30u" Gold | 18R9352   | 1.46       | 1.37  | 1.29    | 1.26    |
| 5-534237-6    | 8         | 30u" Gold | 52K3745   | 1.35       | 1.35  | 1.16    | 1.16    |
| 5-534237-8    | 10        | 30u" Gold | 52K3746   | 1.57       | 1.46  | 1.38    | 1.31    |
| 6-534237-1    | 13        | 30u" Gold | 19R5176   | 1.79       | 1.67  | 1.58    | 1.51    |

**MOD. II SINGLE ROW, CLOSED TOP ENTRY**

| Mfg. Part No. | Positions | Plating   | Stock No. | Price Each |       |         |         |
|---------------|-----------|-----------|-----------|------------|-------|---------|---------|
|               |           |           |           | 1-24       | 25-99 | 100-499 | 500-999 |
| 5-534206-1    | 2         | 30u" Gold | 16M3162   | 0.72       | 0.68  | 0.65    | 0.57    |
| 5-534206-2    | 4         | 30u" Gold | 16M3163   | ---        | ---   | ---     | ---     |
| 5-534206-3    | 6         | 30u" Gold | 52K3740   | 0.95       | 0.86  | 0.74    | 0.67    |
| 5-534206-4    | 8         | 30u" Gold | 52K3741   | 1.40       | 1.30  | 1.23    | 1.17    |
| 5-534206-5    | 10        | 30u" Gold | 52K3742   | 2.66       | 2.33  | 1.94    | 1.89    |
| 5-534206-6    | 12        | 30u" Gold | 52K3743   | 2.42       | 2.12  | 1.77    | 1.72    |
| 5-534206-9    | 18        | 30u" Gold | 16M3164   | 2.78       | 2.44  | 2.03    | 1.97    |
| 6-534206-0    | 20        | 30u" Gold | 52K4455   | 2.47       | 2.16  | 1.80    | 1.78    |
| 6-534206-2    | 24        | 30u" Gold | 52K4456   | 3.12       | 2.73  | 2.31    | 2.31    |
| 6-534206-3    | 26        | 30u" Gold | 57K9755   | 4.97       | 4.35  | 3.62    | 3.52    |
| 6-534206-4    | 28        | 30u" Gold | 52K3793   | 3.21       | 3.00  | 2.75    | 2.75    |
| 6-534206-5    | 30        | 30u" Gold | 52K3794   | 3.99       | 3.73  | 3.43    | 3.43    |
| 6-534206-6    | 32        | 30u" Gold | 52K3795   | 3.58       | 3.35  | 3.08    | 3.08    |
| 6-534206-7    | 34        | 30u" Gold | 52K4457   | 5.10       | 5.04  | 4.29    | 4.03    |
| 6-534206-8    | 36        | 30u" Gold | 16M3396   | 3.70       | 3.50  | 3.40    | 3.21    |
| 6-534206-9    | 38        | 30u" Gold | 16M3397   | 4.58       | 4.58  | 3.90    | 3.58    |
| 7-534206-0    | 40        | 30u" Gold | 52K4540   | 5.52       | 4.83  | 4.03    | 3.91    |
| 7-534206-5    | 50        | 30u" Gold | 52K4541   | 6.62       | 6.19  | 5.42    | 5.10    |
| 8-534206-2    | 64        | 30u" Gold | 52K3940   | 6.46       | 6.04  | 5.56    | 5.46    |

**MOD. II SINGLE ROW, CLOSED ENTRY - HORIZONTAL**

|           |   |           |         |      |      |      |      |
|-----------|---|-----------|---------|------|------|------|------|
| 535676-5  | 6 | 30u" Gold | 15H9503 | ---  | ---  | ---  | ---  |
| 5535676-5 | 6 | 30u" Gold | 52K3776 | 1.37 | 1.23 | 1.06 | 0.98 |

**MOD. II DOUBLE ROW, CLOSED ENTRY - HORIZONTAL**

|             |    |           |         |      |      |      |      |
|-------------|----|-----------|---------|------|------|------|------|
| 5-532955-1  | 12 | 15u" Gold | 11P2687 | 2.13 | 1.99 | 1.83 | 1.83 |
| 5-532955-4  | 24 | 15u" Gold | 52K3731 | 5.06 | 4.43 | 3.69 | 3.59 |
| 5-532955-8  | 50 | 15u" Gold | 18R9340 | 8.20 | 7.75 | 7.64 | 7.18 |
| 5-532956-1  | 12 | 30u" Gold | 52K3733 | 2.08 | 2.08 | 1.97 | 1.74 |
| 532956-2    | 16 | 30u" Gold | 90F4519 | 5.16 | 4.52 | 3.76 | 3.66 |
| 5-532956-2  | 16 | 30u" Gold | 40P9550 | 3.79 | 3.32 | 2.77 | 2.69 |
| 5-532956-3  | 20 | 30u" Gold | 40P9551 | 2.89 | 2.89 | 2.89 | 2.73 |
| 6-5535512-4 | 10 | 30u" Gold | 52K3809 | 1.10 | 1.03 | 0.97 | 0.95 |
| 535512-1    | 12 | 30u" Gold | 97F8697 | ---  | ---  | ---  | ---  |
| 1-535512-8  | 16 | 30u" Gold | 97F8699 | ---  | ---  | ---  | ---  |
| 535512-3    | 24 | 30u" Gold | 66F9151 | ---  | ---  | ---  | ---  |

**MOD. IV SINGLE ROW, CLOSED TOP ENTRY, LOW PROFILE**

|            |    |           |         |      |      |      |      |
|------------|----|-----------|---------|------|------|------|------|
| 5-535541-1 | 3  | 30u" Gold | 16M3166 | 0.92 | 0.83 | 0.78 | 0.72 |
| 5-535541-2 | 4  | 30u" Gold | 16M3167 | 0.84 | 0.84 | 0.71 | 0.66 |
| 5-535541-3 | 5  | 30u" Gold | 16M3168 | 1.21 | 1.12 | 0.97 | 0.90 |
| 5-535541-6 | 8  | 30u" Gold | 16M1175 | 1.54 | 1.41 | 1.22 | 1.12 |
| 5-535541-8 | 10 | 30u" Gold | 52K3751 | 1.46 | 1.37 | 1.29 | 1.26 |
| 6-535541-0 | 12 | 30u" Gold | 52K3805 | ---  | ---  | ---  | ---  |
| 6-535541-2 | 14 | 30u" Gold | 52K3806 | 2.51 | 2.20 | 1.83 | 1.78 |
| 6-535541-8 | 20 | 30u" Gold | 52K3807 | 1.96 | 1.76 | 1.52 | 1.43 |

**MOD. IV DUAL ROW, CLOSED TOP ENTRY, LOW PROFILE**

|            |    |           |         |      |      |      |      |
|------------|----|-----------|---------|------|------|------|------|
| 5-534998-4 | 8  | 30u" Gold | 52K3748 | 1.62 | 1.52 | 1.43 | 1.37 |
| 5-534998-5 | 10 | 30u" Gold | 71K0459 | 1.64 | 1.64 | 1.40 | 1.40 |
| 5-534998-6 | 12 | 30u" Gold | 16M3165 | 1.27 | 1.15 | 0.99 | 0.93 |
| 6-534998-7 | 34 | 30u" Gold | 52K3804 | 3.16 | 2.90 | 2.39 | 2.39 |
| 5-534998-8 | 16 | 30u" Gold | 52K3750 | 2.57 | 2.39 | 2.15 | 2.09 |
| 6-534998-0 | 20 | 30u" Gold | 52K3799 | 2.29 | 2.05 | 1.77 | 1.77 |
| 6-534998-2 | 24 | 30u" Gold | 52K3800 | 3.27 | 3.02 | 2.52 | 2.45 |
| 6-534998-3 | 26 | 30u" Gold | 52K3801 | 4.59 | 4.20 | 3.50 | 3.40 |
| 7-534998-0 | 40 | 30u" Gold | 52K4542 | 5.04 | 4.79 | 3.71 | 3.62 |

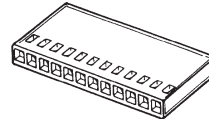
→ CONTINUED →

**AMPMODU MOD. II AND MOD. IV PC BOARD RECEPTACLES (CONT.)**

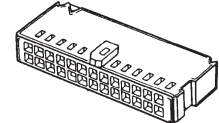
**MOD. IV DUAL ROW, CLOSED TOP ENTRY, LOW PROFILE**

| Mfg. Part No. | Positions | Plating   | Stock No. | Price Each |       |         |         |
|---------------|-----------|-----------|-----------|------------|-------|---------|---------|
|               |           |           |           | 1-24       | 25-99 | 100-499 | 500-999 |
| 7-534998-5    | 50        | 30u" Gold | 52K3927   | 6.83       | 5.53  | 4.24    | 4.13    |
| 8-534998-0    | 60        | 30u" Gold | 52K3941   | 7.54       | 7.13  | 7.03    | 6.60    |

**AMPMODU MOD. IV WIRE-APPLIED HOUSINGS**



Nonpolarized, Single Row



Center Polarized, Double Row

Single and double row housings of flame-retardant black thermoplastic; 0.100" (2.54) centers. Accept crimp snap-in contacts, ordered separately on page 751. Center polarized versions mate with AMP-LATCH™ universal ejection headers; ordered separately on pages 812-813.

**SINGLE ROW NONPOLARIZED HOUSINGS**

| Mfg. Part No. | Positions | Width  | Stock No. | Price Each |      |
|---------------|-----------|--------|-----------|------------|------|
|               |           |        |           | 1-24       |      |
| 87499-3       | 2         | 0.205" | 90F7735   |            | 1.18 |
| 87499-5       | 3         | 0.305" | 90F7736   |            | 0.80 |
| 87499-6*      | 3         | 0.305" | 92F8383   |            | 0.34 |
| 87499-7       | 4         | 0.405" | 90F7737   |            | 0.43 |
| 87499-8*      | 4         | 0.405" | 90F4904   |            | 0.44 |
| 87499-9       | 5         | 0.505" | 90F7738   |            | 0.46 |
| 1-87499-0*    | 5         | 0.505" | 66F2885   |            | 0.44 |
| 1-87499-1     | 6         | 0.605" | 90F7739   |            | 0.90 |
| 1-87499-2*    | 6         | 0.605" | 66F3112   |            | 0.62 |
| 87499-1       | 7         | 0.705" | 83F4540   |            | 0.73 |
| 87499-2*      | 7         | 0.605" | 90F4905   |            | 0.61 |
| 1-87499-3     | 8         | 0.805" | 90F7740   |            | 1.29 |
| 1-87499-4*    | 8         | 0.805" | 33B3907   |            | 0.76 |
| 1-87499-5     | 9         | 0.905" | 90F4895   |            | 1.51 |
| 1-87499-7     | 10        | 1.005" | 90F4896   |            | 2.26 |
| 1-87499-8*    | 10        | 1.005" | 90F4907   |            | 0.85 |
| 1-87499-9     | 11        | 1.105" | 33B3908   |            | 2.01 |
| 2-87499-1     | 12        | 1.205" | 90F4897   |            | 1.23 |
| 2-87499-3     | 13        | 1.305" | 90F4898   |            | 0.51 |
| 2-87499-5     | 14        | 1.405" | 90F4899   |            | 1.60 |
| 2-87499-7     | 15        | 1.505" | 33B6803   |            | 1.18 |
| 2-87499-9     | 16        | 1.605" | 90F4900   |            | 1.61 |
| 3-87499-4*    | 18        | 1.805" | 33B6142   |            | 0.58 |
| 3-87499-7     | 20        | 2.005" | 90F4901   |            | 1.93 |
| 5-87499-8*    | 30        | 3.005" | 33B9382   |            | 2.94 |

**SINGLE ROW POLARIZED HOUSINGS WITH DETENT LATCHING**

|             |    |        |         |  |      |
|-------------|----|--------|---------|--|------|
| 102241-1*   | 3  | 0.300" | 90F4910 |  | 0.55 |
| 102241-2*   | 4  | 0.400" | 90F4911 |  | 0.43 |
| 102241-3*   | 5  | 0.500" | 90F4912 |  | 0.34 |
| 102241-4*   | 6  | 0.600" | 90F4869 |  | 0.67 |
| 102241-5*   | 7  | 0.700" | 90F4870 |  | 0.52 |
| 102241-6*   | 8  | 0.800" | 90F4871 |  | 0.54 |
| 102241-7*   | 9  | 0.900" | 90F4872 |  | 0.62 |
| 102241-8*   | 10 | 1.000" | 90F4873 |  | 0.82 |
| 1-102241-0* | 12 | 1.200" | 90F4874 |  | 0.85 |
| 1-102241-2* | 14 | 1.400" | 90F4875 |  | 1.10 |
| 1-102241-4* | 16 | 1.600" | 90F4876 |  | 1.15 |

**SINGLE ROW NONPOLARIZED HOUSINGS FOR LOCKING CLIP CONTACTS**

|            |   |        |         |  |      |
|------------|---|--------|---------|--|------|
| 87175-8*   | 3 | 0.316" | 95F1791 |  | 1.62 |
| 1-87175-2* | 5 | 0.516" | 93F0778 |  | 1.80 |
| 1-87175-3  | 6 | 0.616" | 10H5266 |  | 1.32 |
| 1-87175-4* | 6 | 0.616" | 66F1578 |  | 2.06 |
| 1-87175-6* | 7 | 0.716" | 10H5268 |  | 2.13 |
| 1-87175-7  | 8 | 0.816" | 79C4311 |  | 1.18 |
| 1-87175-8* | 8 | 0.816" | 10H5269 |  | 2.33 |
| 2-87175-0* | 9 | 0.916" | 89C0687 |  | 2.10 |

**DOUBLE ROW NONPOLARIZED HOUSINGS**

|           |    |        |         |  |      |
|-----------|----|--------|---------|--|------|
| 5-87456-0 | 4  | 0.200" | 90F4123 |  | 1.67 |
| 87456-2   | 6  | 0.300" | 90F4124 |  | 1.73 |
| 87456-4   | 8  | 0.400" | 90F4125 |  | 1.57 |
| 87456-6   | 10 | 0.500" | 90F4126 |  | 1.46 |
| 87456-7*  | 12 | 0.600" | 90F4944 |  | 1.30 |

→ CONTINUED →



## PC BOARD HEADERS & SOCKETS

### AMPMODU MOD. IV WIRE-APPLIED HOUSINGS (CONT.)

#### DOUBLE ROW NONPOLARIZED HOUSINGS

| Mfg. Part No. | Positions | Width  | Stock No. | Price Each |
|---------------|-----------|--------|-----------|------------|
|               |           |        |           | 1-24       |
| ● 87456-8     | 12        | 0.600" | 90F4127   | 1.63       |
| ● 87456-9*    | 14        | 0.700" | 90F4945   | 1.08       |
| ● 1-87456-0   | 14        | 0.700" | 90F4128   | 1.96       |
| ● 1-87456-2   | 16        | 0.800" | 90F4129   | 1.23       |
| ● 1-87456-3*  | 18        | 0.900" | 33B3897   | 1.91       |
| ● 1-87456-4   | 18        | 0.900" | 90F4946   | 3.10       |
| ● 1-87456-6   | 20        | 1.000" | 90F4947   | 2.22       |
| ● 1-87456-7*  | 22        | 1.100" | 33B3898   | 2.88       |
| ● 1-87456-9*  | 24        | 1.200" | 88F5169   | 1.17       |
| ● 2-87456-0   | 24        | 1.200" | 90F4948   | 2.48       |
| ● 2-87456-1*  | 26        | 1.300" | 92F8379   | 2.19       |
| ● 2-87456-2   | 26        | 1.300" | 90F4949   | 1.48       |
| ● 2-87456-4   | 28        | 1.400" | 90F4950   | 1.89       |
| ● 2-87456-5*  | 30        | 1.500" | 33B6798   | 2.77       |
| ● 2-87456-6   | 30        | 1.500" | 90F4951   | 2.19       |
| ● 2-87456-9*  | 34        | 1.700" | 88F2843   | 2.72       |
| ● 3-87456-0   | 34        | 1.700" | 90F4952   | 2.13       |
| ● 3-87456-5*  | 40        | 2.000" | 33B8140   | 4.29       |
| ● 3-87456-6   | 40        | 2.000" | 90F4953   | 3.40       |
| ● 3-87456-9*  | 50        | 2.500" | 66F9147   | 5.25       |
| ● 4-87456-0   | 50        | 2.500" | 90F4937   | 4.09       |
| ● 5-87456-2   | 60        | 3.000" | 90F4938   | 5.11       |

#### DOUBLE ROW POLARIZED HOUSINGS WITH DETENT LATCHING

|              |    |        |         |      |
|--------------|----|--------|---------|------|
| ● 87631-2    | 6  | 0.300" | 90F4382 | 0.97 |
| ● 87631-4    | 8  | 0.400" | 90F4383 | 1.77 |
| ● 87631-6    | 10 | 0.500" | 90F4384 | 1.27 |
| ● 87631-7*   | 12 | 0.600" | 90F4363 | 1.01 |
| ● 87631-8    | 12 | 0.600" | 90F4367 | 1.33 |
| ● 1-87631-0  | 14 | 0.700" | 90F4368 | 2.19 |
| ● 1-87631-2  | 16 | 0.800" | 90F4369 | 1.40 |
| ● 1-87631-3* | 18 | 0.900" | 33B3911 | 1.20 |
| ● 1-87631-5* | 20 | 1.000" | 90F4366 | 1.43 |
| ● 1-87631-6  | 20 | 1.000" | 90F4371 | 3.63 |
| ● 2-87631-0  | 24 | 1.200" | 90F4372 | 2.50 |
| ● 2-87631-1* | 26 | 1.300" | 90F4351 | 2.62 |
| ● 2-87631-4  | 28 | 1.400" | 90F4374 | 2.16 |
| ● 2-87631-5* | 30 | 1.500" | 90F4352 | 2.11 |
| ● 2-87631-6  | 30 | 1.500" | 92F1079 | 3.12 |
| ● 2-87631-9* | 34 | 1.700" | 90F4354 | 2.71 |
| ● 3-87631-0  | 34 | 1.700" | 90F4375 | 2.68 |
| ● 3-87631-5* | 40 | 2.000" | 90F4356 | 3.15 |
| ● 3-87631-6  | 40 | 2.000" | 90F4358 | 1.98 |
| ● 4-87631-1* | 50 | 2.500" | 90F4357 | 5.29 |

#### DOUBLE ROW POLARIZED HOUSINGS WITH DETENT LATCHING & STRAIN RELIEF

|             |    |        |         |      |
|-------------|----|--------|---------|------|
| ● 87922-2   | 12 | 0.600" | 90F4763 | 2.82 |
| ● 87922-4   | 16 | 0.800" | 90F4765 | 3.13 |
| ● 87733-4   | 26 | 1.300" | 28C7451 | 4.18 |
| ● 1-87733-1 | 40 | 2.000" | 90F4755 | 5.61 |

#### DOUBLE ROW CENTER POLARIZED HOUSINGS

|              |    |        |         |      |
|--------------|----|--------|---------|------|
| ● 102387-1   | 10 | 0.680" | 90F4757 | 1.97 |
| ● 102387-3   | 16 | 0.980" | 90F4759 | 2.91 |
| ● 102387-4   | 20 | 1.380" | 90F4760 | 3.27 |
| ● 102387-5   | 24 | 1.180" | 90F4535 | 3.27 |
| ● 102387-6   | 26 | 1.480" | 90F4536 | 3.45 |
| ● 102387-7   | 30 | 1.680" | 98F6315 | 2.63 |
| ● 102387-8   | 34 | 1.880" | 90F4537 | 5.53 |
| ● 102387-9   | 40 | 2.180" | 90F4538 | 4.92 |
| ● 1-102387-1 | 60 | 3.180" | 90F4540 | 6.93 |
| ● 1-102387-2 | 64 | 3.380" | 98F6620 | 6.67 |

#### DOUBLE ROW POLARIZED HOUSINGS

|              |    |        |         |      |
|--------------|----|--------|---------|------|
| ● 87977-1    | 6  | 0.300" | 34B2495 | 1.12 |
| ● 87977-2    | 8  | 0.400" | 34B2496 | 1.22 |
| ● 2-87977-9* | 8  | 0.400" | 33B6809 | 2.60 |
| ● 87977-3    | 10 | 0.500" | 34B2497 | 1.87 |
| ● 3-87977-0* | 10 | 0.500" | 67C0947 | ---  |
| ● 87977-5    | 14 | 0.700" | 19H8418 | 2.08 |
| ● 3-87977-3* | 16 | 0.800" | 33B8149 | 3.75 |
| ● 87977-8    | 20 | 1.000" | 16H8675 | 4.73 |
| ● 3-87977-5* | 20 | 1.000" | 33B8151 | 1.44 |
| ● 1-87977-8  | 40 | 2.000" | 25C7438 | ---  |
| ● 2-87977-1  | 50 | 2.500" | 17H3291 | ---  |

#### DOUBLE ROW POLARIZED HOUSINGS WITH FLANGE

|            |    |        |         |      |
|------------|----|--------|---------|------|
| ● 104422-1 | 16 | 0.800" | 33B4415 | 1.37 |
|------------|----|--------|---------|------|

➔ CONTINUED ➔

### AMPMODU MOD. IV WIRE-APPLIED HOUSINGS (CONT.)

#### DOUBLE ROW NONPOLARIZED HOUSINGS FOR LOCKING CLIP CONTACTS

| Mfg. Part No. | Positions | Width  | Stock No. | Price Each |
|---------------|-----------|--------|-----------|------------|
|               |           |        |           | 1-24       |
| ● 87133-1*    | 4         | 0.216" | 66F1588   | 2.03       |
| ● 87133-7*    | 6         | 0.316" | 73C9420   | 1.96       |
| ● 87133-2*    | 10        | 0.516" | 50F748    | 1.23       |
| ● 87133-5     | 10        | 0.516" | 92F8343   | 0.93       |
| ● 1-87133-1*  | 12        | 0.616" | 94C0550   | 2.19       |
| ● 87133-3     | 20        | 1.016" | 92B7678   | 3.21       |

#### SHORT POINT DOUBLE ROW NONPOLARIZED HOUSINGS

|              |    |        |         |      |
|--------------|----|--------|---------|------|
| ● 104482-1   | 4  | 0.198" | 66F6326 | ---  |
| ● 104482-2   | 6  | 0.298" | 66F6327 | 0.78 |
| ● 104482-4   | 10 | 0.498" | 66F6329 | 1.10 |
| ● 104482-5   | 12 | 0.598" | 66F6330 | 0.93 |
| ● 104482-6   | 14 | 0.698" | 66F6331 | 0.85 |
| ● 104482-7   | 16 | 0.798" | 66F6332 | 1.11 |
| ● 104482-9   | 20 | 0.998" | 66F6334 | 0.94 |
| ● 1-104482-1 | 26 | 1.298" | 66F6336 | 0.87 |
| ● 1-104482-5 | 34 | 1.698" | 66F6340 | 0.97 |
| ● 1-104482-8 | 40 | 1.998" | 66F6343 | 1.38 |

#### SHORT POINT DOUBLE ROW CENTER POLARIZED HOUSINGS

|            |    |        |         |      |
|------------|----|--------|---------|------|
| ● 104483-9 | 14 | 0.698" | 66F6354 | 0.92 |
| ● 104483-3 | 20 | 0.998" | 66F6348 | 0.86 |

\* Unmarked

#### ACCESSORIES

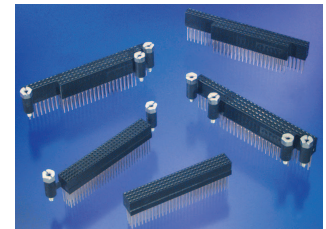
| Mfg. Part No. | Description                             | Stock No. | Price Each |
|---------------|---|-----------|------------|
|               |   |           | 1-24       |
| ● 87077-1     | Keying Plug for 0.645" high housings    | 66F1617   | 0.18       |
| ● 87077-2     | Keying Plug for 0.600" high housings    | 50F724    | 0.21       |
| 91084-1       | Contact and Keying Plug Extraction Tool | 50F746    | 27.29      |
| ● 87710-1     | Strain Relief/Pull Tab                  | 91B3642   | 1.97       |

(8079)

### AMPMODU PC/104 CONNECTORS



- Press fit design eliminates hand soldering
- Utilized PC/104 connector assembly eliminates two piece (64-pin and 40-pin) configuration
- Integral board spacers with captive hardware
- Flat-rock insertable



PC/104 and PC/104 Plus series connectors eliminates need for two pieces and with optional standoffs, minimizes system assembly time. Nominal resistance: 10 milliohms. Dielectric withstanding voltage: 500VAC for 1 min. at sea level. Temperature: -55°C to 105°C. Housing material: Black thermoplastic, UL 94V-0.

#### PC/104—0.100" CENTERLINE

| Mfg. Part No. | Connector        | Contacts | Standoffs | Pin Length (mm) | Stock No. | Price Each |       |
|---------------|------------------|----------|-----------|-----------------|-----------|------------|-------|
|               |                  |          |           |                 |           | 1-24       | 25-49 |
| ● 1375793-1   | Stackthrough     | 102      | 2         | 12.27           | 11H3140   | 21.63      | 19.51 |
| ● 1375793-2   | Stackthrough     | 104      | 2         | 12.27           | 11H3141   | 21.39      | 19.26 |
| ● 1375796-3   | Stackthrough     | 102      | None      | 3.02            | 16M2713   | 11.16      | 11.16 |
| ● 1375795-1   | Stackthrough     | 102      | None      | 12.27           | 92C3718   | 17.91      | 14.93 |
| ● 1375796-4   | Stackthrough     | 104      | None      | 3.02            | 16M2714   | 10.71      | 9.75  |
| ● 1375795-2   | Stackthrough     | 104      | None      | 12.27           | 84C8887   | 21.21      | 18.21 |
| ● 1375795-3   | Stackthrough     | 102      | None      | 12.27           | 11R8145   | 28.72      | 26.34 |
| ● 1375795-5   | Stackthrough     | 102      | None      | 12.27           | 11R8146   | 20.44      | 18.75 |
| ● 1375794-3   | Non-Stackthrough | 102      | 2         | 3.02            | 16M2711   | 19.25      | 17.66 |
| ● 1375794-4   | Non-Stackthrough | 104      | 2         | 3.02            | 16M2712   | 19.50      | 17.88 |
| ● 1375963-4   | Non-Stackthrough | 104      | None      | 3.02            | 17R3065   | 17.47      | 16.74 |

#### PC/104 PLUS—0.079" CENTERLINE

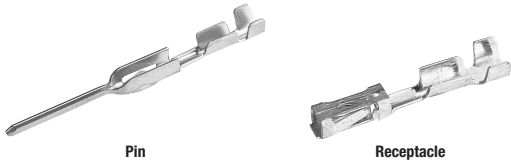
|             |                  |     |      |       |         |       |       |
|-------------|------------------|-----|------|-------|---------|-------|-------|
| ● 1375797-1 | Stackthrough     | 120 | 2    | 12.27 | 11H3146 | 17.89 | 17.32 |
| ● 1375799-1 | Stackthrough     | 120 | None | 12.53 | 81C9684 | 17.42 | 16.08 |
| ● 1375967-4 | Non-Stackthrough | 120 | None | 2.84  | 11R8148 | 17.32 | 16.59 |

#### ACCESSORIES

| Mfg. Part No. | Connector | Contacts | For Use With          | Stock No. | Price per Pkg. |         |
|---------------|-----------|----------|-----------------------|-----------|----------------|---------|
|               |           |          |                       |           | 1-99           | 100-499 |
| ● 1445251-1   | Organizer | 104      | PC/104 connector      | 11H4543   | 2.10           | 2.02    |
| ● 1375801-1   | Shroud    | 120      | PC/104-plus connector | 11H3149   | 1.70           | 1.60    |

(84546)

AMPMODU CRIMP SNAP-IN MOD. IV PIN AND RECEPTACLE CONTACTS



Pin

Receptacle

Mfg. Part No. 90202-02 CERTI-CRIMP® hand tool, ordered separately; go online or call. 32-27 AWG contacts and crimp tool available; go online or call.

CRIMP SNAP-IN PINS WITH INSULATION SUPPORT

Table with columns: Mfg. Part No., AWG, Contact Material\*, Contact Plating, Length, Hand Tool, Stock No., Price Each (1-99, 100-999)

STANDARD PRESSURE RECEPTACLE CONTACTS

Table with columns: Mfg. Part No., AWG, Contact Material\*, Contact Plating, Length, Hand Tool, Stock No., Price Each (1-99, 100-999)

INTERMEDIATE PRESSURE RECEPTACLE CONTACTS

Table with columns: Mfg. Part No., AWG, Contact Material\*, Contact Plating, Length, Hand Tool, Stock No., Price Each (1-99, 100-999)

HIGH PRESSURE RECEPTACLE CONTACTS

Table with columns: Mfg. Part No., AWG, Contact Material\*, Contact Plating, Length, Hand Tool, Stock No., Price Each (1-99, 100-999)

▶ CONTINUED ▶

AMPMODU CRIMP SNAP-IN MOD. IV PIN AND RECEPTACLE CONTACTS (CONT.)

HIGH PRESSURE RECEPTACLE CONTACTS

Table with columns: Mfg. Part No., AWG, Contact Material\*, Contact Plating, Length, Hand Tool, Stock No., Price Each (1-99, 100-999)

LOCKING CLIP SPRING CONTACTS

Table with columns: Mfg. Part No., AWG, Contact Material\*, Contact Plating, Length, Hand Tool, Stock No., Price Each (1-99, 100-999)

SHORT POINT CRIMP SNAP-IN RECEPTACLE CONTACTS

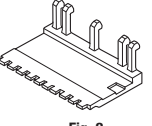
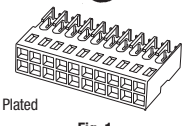
Table with columns: Mfr. Part No., AWG, Contact Material\*, Contact Plating, Length, Hand Tool, Stock No., Price Each (1-99, 100-999)

\*Contact Material: PhBz = Copper-Tin-Phosphor Bronze, BeCu = Beryllium Copper. \*\* Mod. II Series Contact (8079)

AMPMODU LEVEL V IDC CRIMP HOUSINGS AND COVERS



- Termination of Discrete Wire Sizes 26-22 AWG (0.12 - 0.3mm²)
Termination of Jacketed Cable and Bonded Ribbon Cable (Conductors Separated)
Stackable End-to-End and Side-to-Side on 0.125" (3.18) Centers
Preloaded with Insulation Displacement Receptacle Contacts
High Conductivity Copper Alloy Contacts are Duplex Plated
Snap-on Hermaphroditic Cover



AMPMODU® Level V IDC connectors provide cost-effective discrete wire connections compatible with today's telecommunication packaging techniques. Designed to mate with 0.025 (0.64) square posts on 0.125 x 0.125 (3.18 x 3.18) centers. Composed of double-row, black, thermoplastic housings preloaded with MT type insulation displacement receptacle contacts...

22-26 AWG HOUSINGS WITH STANDARD CONTACTS — FIG. 1

Table with columns: Mfg. Part No., Positions, Width (in.), Stock No., Price Each (1-99, 100-499)

20-22 AWG HOUSINGS WITH STANDARD CONTACTS — FIG. 1

Table with columns: Mfg. Part No., Positions, Width (in.), Stock No., Price Each (1-99, 100-499)

26-30 AWG HOUSINGS WITH STANDARD CONTACTS — FIG. 1

Table with columns: Mfg. Part No., Positions, Width (in.), Stock No., Price Each (1-99, 100-499)

STANDARD PROFILE COVERS — FIG. 2

Table with columns: Mfg. Part No., Positions, Width (in.), Stock No., Price Each (1-99, 100-499)

LOW PROFILE COVERS — NON POLARIZING

Table with columns: Mfg. Part No., Positions, Width (in.), Stock No., Price Each (1-99, 100-499)

▶ CONTINUED ▶



## PC BOARD HEADERS &amp; SOCKETS

## AMPMODU LEVEL V IDC CRIMP HOUSINGS AND COVERS (CONT.)

## BACK COVERS

| Mfg. Part No. | Positions | Width (in.) | Stock No. | Price Each |         |
|---------------|-----------|-------------|-----------|------------|---------|
|               |           |             |           | 1-99       | 100-499 |
| ● 102536-1    | 6         | 0.3         | 50M2542   | 0.28       | 0.24    |
| ● 102536-4    | 12        | 0.6         | 68H8628   | ---        | ---     |
| ● 102536-5    | 14        | 0.7         | 73C2769   | 0.62       | 0.53    |
| ● 1-102536-1  | 26        | 1.3         | 50F774    | ---        | ---     |
| ● 403378961   | 34        | 1.7         | 92F8411   | ---        | ---     |
| ● 405021569   | 40        | 2.0         | 92F6014   | 1.39       | 1.19    |
| ● 2-102536-3  | 50        | 2.5         | 50F755    | 2.30       | 1.64    |

## KEYING PLUG

| Mfg. Part No. | Stock No. | Price Each |         |
|---------------|-----------|------------|---------|
|               |           | 1-99       | 100-499 |
| ● 86286-1     | 50F498    | 0.20       | 0.17    |

(75480)

## AMPMODU MTE HEADERS



- Shrouded, Polarized/Latching Header Assemblies
- Single Row 0.100" (2.54) Centers
- Black Thermoplastic Housing
- Rated UL94V-0

Straight or right-angle copper alloy contacts plated 15µ" gold on mating area, tin-lead on termination area, with full nickel underplate.

## VERTICAL — SQUARE 0.025" (0.64) POSTS, SHROUDED POLARIZED/LATCHING w/BOARD RETENTION

| Mfg. Part No. | Positions | Plating   | Stock No. | Price Each |       |       |         |
|---------------|-----------|-----------|-----------|------------|-------|-------|---------|
|               |           |           |           | 1-24       | 25-49 | 50-99 | 100-499 |
| 103669-1      | 2         | Tin       | 10H6505   | ---        | ---   | ---   | ---     |
| 103669-2      | 3         | Tin       | 92F1246   | ---        | ---   | ---   | ---     |
| 103669-3      | 4         | Tin       | 95F1879   | 0.94       | 0.89  | 0.85  | 0.74    |
| 103669-4      | 5         | Tin       | 92F1247   | ---        | ---   | ---   | ---     |
| 103669-5      | 6         | Tin       | 92F1248   | ---        | ---   | ---   | ---     |
| ● 5-103669-1  | 2         | Tin       | 40P9439   | 0.67       | 0.60  | 0.54  | 0.47    |
| ● 5-103669-2  | 3         | Tin       | 40P9440   | 0.94       | 0.88  | 0.85  | 0.74    |
| ● 5-103669-3  | 4         | Tin       | 82K8933   | 0.85       | 0.77  | 0.77  | 0.68    |
| ● 5-103669-4  | 5         | Tin       | 40P9441   | 1.13       | 1.04  | 1.00  | 0.87    |
| ● 5-103669-7  | 8         | Tin       | 73K0685   | 1.01       | 1.01  | 0.94  | 0.89    |
| ● 5-103669-9  | 10        | Tin       | 82K7981   | 0.95       | 0.90  | 0.90  | 0.97    |
| ● 5-104362-1  | 2         | 15µ" Gold | 87K2243   | 0.74       | 0.69  | 0.67  | 0.58    |
| 104362-2      | 3         | 15µ" Gold | 10H6775   | ---        | ---   | ---   | ---     |
| ● 5-104362-2  | 3         | 15µ" Gold | 87K2244   | 1.17       | 1.10  | 1.06  | 0.92    |
| 104362-3      | 4         | 15µ" Gold | 10H6776   | 1.11       | 1.05  | 1.00  | 0.87    |
| ● 5-104362-3  | 4         | 15µ" Gold | 87K0735   | 1.25       | 1.17  | 1.12  | 0.97    |
| ● 5-104362-4  | 5         | 15µ" Gold | 87K2245   | 2.04       | 1.93  | 1.87  | 1.57    |
| ● 5-104362-5  | 6         | 15µ" Gold | 87K2246   | 1.15       | 1.15  | 1.08  | 1.02    |
| ● 5-104362-6  | 7         | 15µ" Gold | 05M6628   | ---        | ---   | ---   | ---     |
| ● 5-104362-8  | 9         | 15µ" Gold | 16M3128   | 1.57       | 1.42  | 1.33  | 1.33    |
| ● 5-104362-9  | 10        | 15µ" Gold | 16M3129   | 1.83       | 1.81  | 1.78  | 1.53    |
| ● 6-104362-0  | 11        | 15µ" Gold | 16M3388   | 1.53       | 1.44  | 1.44  | 1.39    |
| 1-103670-5    | 16        | 15µ" Gold | 09H2803   | ---        | ---   | ---   | ---     |
| ● 6-104909-5  | 16        | 15µ" Gold | 40P9904   | 1.98       | 1.87  | 1.82  | 1.66    |
| 103908-1      | 2         | 30µ" Gold | 66F3006   | 0.51       | 0.51  | 0.46  | 0.43    |
| 103908-2      | 3         | 30µ" Gold | 52F5866   | 0.82       | 0.74  | 0.74  | 0.70    |
| 103908-3      | 4         | 30µ" Gold | 66F3352   | 1.01       | 0.92  | 0.92  | 0.82    |
| 103908-4      | 5         | 30µ" Gold | 83F4544   | ---        | ---   | ---   | ---     |
| 103908-5      | 6         | 30µ" Gold | 83F4545   | 1.03       | 1.03  | 0.96  | 0.91    |
| 103908-7      | 8         | 30µ" Gold | 66F3351   | 1.12       | 1.06  | 1.06  | 1.02    |
| 103908-9      | 10        | 30µ" Gold | 52F2922   | 1.80       | 1.68  | 1.61  | 1.39    |
| 1-103908-1    | 12        | 30µ" Gold | 97B3860   | ---        | ---   | ---   | ---     |
| ● 5-103908-1  | 2         | 30µ" Gold | 16M4742   | 0.97       | 0.91  | 0.87  | 0.76    |
| ● 5-103908-2  | 3         | 30µ" Gold | 16M4740   | 1.01       | 0.92  | 0.92  | 0.81    |
| ● 5-103908-3  | 4         | 30µ" Gold | 32M7675   | 1.11       | 1.02  | 1.02  | 0.90    |
| ● 5-103908-4  | 5         | 30µ" Gold | 16M4741   | 0.71       | 0.64  | 0.59  | 0.59    |
| ● 5-103908-6  | 7         | 30µ" Gold | 33M7428   | 1.58       | 1.48  | 1.42  | 1.22    |
| ● 5-103908-7  | 8         | 30µ" Gold | 21M8827   | 1.98       | 1.79  | 1.58  | 1.42    |
| ● 5-103908-9  | 10        | 30µ" Gold | 32M7667   | 1.53       | 1.53  | 1.43  | 1.35    |
| ● 6-103908-1  | 12        | 30µ" Gold | 32M7672   | 1.80       | 1.80  | 1.68  | 1.59    |

## VERTICAL — SQUARE 0.025" (0.64) POSTS, SHROUDED POLARIZED/LATCHING

|          |   |     |         |      |      |      |      |
|----------|---|-----|---------|------|------|------|------|
| 103639-1 | 2 | Tin | 66F3334 | ---  | ---  | ---  | ---  |
| 103639-2 | 3 | Tin | 66F1596 | 0.86 | 0.81 | 0.77 | 0.67 |
| 103639-3 | 4 | Tin | 66F1556 | 0.61 | 0.60 | 0.54 | 0.47 |
| 103639-4 | 5 | Tin | 66F1551 | ---  | ---  | ---  | ---  |

▶ CONTINUED ▶

## AMPMODU MTE HEADERS (CONT.)

## VERTICAL — SQUARE 0.025" (0.64) POSTS, SHROUDED POLARIZED/LATCHING

| Mfg. Part No. | Positions | Plating   | Stock No. | Price Each |       |       |         |
|---------------|-----------|-----------|-----------|------------|-------|-------|---------|
|               |           |           |           | 1-24       | 25-49 | 50-99 | 100-499 |
| 103639-5      | 6         | Tin       | 97C7410   | ---        | ---   | ---   | ---     |
| 103639-7      | 8         | Tin       | 30C5365   | 1.13       | 1.01  | 0.91  | 0.81    |
| ● 5-103639-1  | 2         | Tin       | 28M8433   | 0.72       | 0.64  | 0.57  | 0.50    |
| ● 5-103639-2  | 3         | Tin       | 16M4277   | 0.77       | 0.70  | 0.70  | 0.62    |
| ● 5-103639-3  | 4         | Tin       | 16M4279   | 0.75       | 0.67  | 0.60  | 0.52    |
| ● 5-103639-4  | 5         | Tin       | 40P9434   | 0.94       | 0.86  | 0.86  | 0.80    |
| ● 5-103639-9  | 10        | Tin       | 40P9438   | 1.15       | 1.15  | 1.08  | 1.01    |
| ● 5-104363-1  | 2         | 15µ" Gold | 69K6456   | 0.70       | 0.66  | 0.64  | 0.55    |
| ● 5-104363-2  | 3         | 15µ" Gold | 16M3130   | 1.12       | 1.05  | 1.01  | 0.88    |
| ● 5-104363-3  | 4         | 15µ" Gold | 14M8666   | 1.15       | 1.05  | 1.05  | 0.92    |
| ● 5-104363-4  | 5         | 15µ" Gold | 16M3131   | 0.84       | 0.79  | 0.76  | 0.66    |
| ● 5-104363-5  | 6         | 15µ" Gold | 16M3132   | 0.90       | 0.84  | 0.81  | 0.70    |
| ● 5-104363-6  | 7         | 15µ" Gold | 16M3133   | 1.19       | 1.19  | 1.11  | 1.05    |
| ● 5-104363-7  | 8         | 15µ" Gold | 16M3134   | 1.40       | 1.40  | 1.31  | 1.24    |
| ● 5-104363-8  | 9         | 15µ" Gold | 16M3135   | 3.18       | 2.91  | 2.78  | 2.32    |
| ● 5-104363-9  | 10        | 15µ" Gold | 16M3136   | 1.46       | 1.46  | 1.37  | 1.29    |
| ● 6-104363-0  | 11        | 15µ" Gold | 16M3389   | 1.57       | 1.57  | 1.46  | 1.38    |
| ● 6-104363-1  | 12        | 15µ" Gold | 16M3390   | 1.26       | 1.18  | 1.13  | 0.98    |
| 1-103638-3    | 14        | 15µ" Gold | 91B6043   | 1.52       | 1.52  | 1.42  | 1.34    |
| ● 6-104910-5  | 16        | 15µ" Gold | 19R3937   | 1.84       | 1.84  | 1.72  | 1.62    |
| ● 6-104910-9  | 20        | 15µ" Gold | 40P9905   | 2.24       | 2.12  | 2.06  | 1.88    |
| 103735-1      | 2         | 30µ" Gold | 66F1534   | 0.72       | 0.66  | 0.66  | 0.61    |
| 103735-2      | 3         | 30µ" Gold | 66F9167   | ---        | ---   | ---   | ---     |
| 103735-3      | 4         | 30µ" Gold | 10H6521   | ---        | ---   | ---   | ---     |
| 103735-4      | 5         | 30µ" Gold | 66F3100   | 1.25       | 1.18  | 1.13  | 0.99    |
| 103735-5      | 6         | 30µ" Gold | 52F5846   | 1.32       | 1.24  | 1.19  | 1.03    |
| ● 5-103735-1  | 2         | 30µ" Gold | 48M4317   | 0.54       | 0.49  | 0.49  | 0.43    |
| ● 5-103735-2  | 3         | 30µ" Gold | 48M4324   | 0.87       | 0.79  | 0.79  | 0.70    |
| ● 5-103735-3  | 4         | 30µ" Gold | 21M8823   | 1.25       | 1.17  | 1.13  | 0.98    |
| ● 5-103735-4  | 5         | 30µ" Gold | 10M8617   | 0.86       | 0.81  | 0.78  | 0.68    |
| ● 5-103735-5  | 6         | 30µ" Gold | 40P9445   | 1.13       | 1.13  | 1.06  | 1.00    |
| ● 5-103735-6  | 7         | 30µ" Gold | 18R7863   | 1.12       | 1.12  | 1.05  | 0.99    |
| ● 5-103735-9  | 10        | 30µ" Gold | 40P9446   | 1.77       | 1.77  | 1.65  | 1.57    |
| ● 6-103735-1  | 12        | 30µ" Gold | 21M8822   | 1.69       | 1.69  | 1.58  | 1.49    |
| ● 6-103735-3  | 14        | 30µ" Gold | 40P9899   | 2.08       | 1.94  | 1.94  | 1.78    |

## VERTICAL — SQUARE 0.025" (0.64) POSTS, SHROUDED LATCHING w/BOARD RETENTION &amp; ORIENTATION

|              |   |     |         |      |      |      |      |
|--------------|---|-----|---------|------|------|------|------|
| ● 5-104450-1 | 2 | Tin | 16M3137 | 0.71 | 0.64 | 0.64 | 0.57 |
| ● 5-104450-2 | 3 | Tin | 16M3138 | 1.48 | 1.34 | 1.18 | 1.06 |
| ● 5-104450-3 | 4 | Tin | 16M3139 | 1.19 | 1.19 | 1.09 | 1.01 |
| ● 5-104450-4 | 5 | Tin | 16M3140 | 1.05 | 1.05 | 0.99 | 0.93 |
| ● 5-104450-5 | 6 | Tin | 16M3141 | 1.40 | 1.40 | 1.31 | 1.23 |

## VERTICAL — SQUARE 0.025" (0.64) POSTS, POLARIZED/LATCHING, SURFACE MOUNT

|               |   |           |         |      |      |      |      |
|---------------|---|-----------|---------|------|------|------|------|
| ● 5-1375549-1 | 2 | Tin       | 16M3143 | 2.27 | 2.05 | 1.81 | 1.63 |
| ● 5-1375549-2 | 3 | Tin       | 16M3144 | 2.87 | 2.59 | 2.29 | 2.06 |
| ● 5-1375549-3 | 4 | Tin       | 16M3145 | 2.71 | 2.45 | 2.16 | 1.94 |
| ● 5-1375549-5 | 6 | Tin       | 16M3146 | 3.88 | 3.50 | 3.09 | 2.77 |
| ● 5-1375582-1 | 2 | 15µ" Gold | 16M3147 | 2.37 | 2.13 | 1.88 | 1.69 |
| ● 5-1375582-2 | 3 | 15µ" Gold | 16M3148 | 3.01 | 2.72 | 2.40 | 2.16 |
| ● 5-1375582-3 | 4 | 15µ" Gold | 16M3149 | 2.90 | 2.61 | 2.31 | 2.08 |
| ● 5-1375582-4 | 5 | 15µ" Gold | 16M3150 | 3.82 | 3.50 | ---  | ---  |
| ● 5-1375582-5 | 6 | 15µ" Gold | 16M3151 | 3.25 | 2.93 | 2.58 | 2.32 |

## RIGHT-ANGLE — SQUARE 0.025" (0.64) POSTS w/BOARD RETENTION

|              |    |           |         |      |      |      |      |
|--------------|----|-----------|---------|------|------|------|------|
| ● 5-103673-1 | 2  | 15µ" Gold | 87K2241 | 0.58 | 0.51 | 0.47 | 0.43 |
| ● 5-103673-2 | 3  | 15µ" Gold | 12M6759 | 0.84 | 0.77 | 0.77 | 0.68 |
| ● 5-103673-3 | 4  | 15µ" Gold | 87K2242 | 1.08 | 1.01 | 0.97 | 0.84 |
| ● 5-103673-4 | 5  | 15µ" Gold | 96K3405 | 1.02 | 1.02 | 0.95 | 0.90 |
| ● 5-103673-5 | 6  | 15µ" Gold | 16M3123 | 1.01 | 0.92 | 0.92 | 0.81 |
| ● 5-103673-6 | 7  | 15µ" Gold | 16M3124 | 1.46 | 1.37 | 1.31 | 1.13 |
| ● 5-103673-7 | 8  | 15µ" Gold | 16M3125 | 1.02 | 1.02 | 0.95 | 0.90 |
| ● 5-103673-9 | 10 | 15µ" Gold | 16M3126 | 1.29 | 1.29 | 1.19 | 1.13 |
| ● 6-103673-0 | 11 | 15µ" Gold | 16M3386 | 2.59 | 2.37 | 2.27 | 1.89 |
| ● 6-103673-1 | 12 | 15µ" Gold | 16M3387 | 2.41 | 2.21 | 2.11 | 1.76 |

## RIGHT-ANGLE — SQUARE 0.025" (0.64) POSTS, SHROUDED LATCHING

|              |   |     |         |      |      |      |      |
|--------------|---|-----|---------|------|------|------|------|
| 103634-1     | 2 | Tin | 66F3330 | ---  | ---  | ---  | ---  |
| 103634-2     | 3 | Tin | 96B4771 | ---  | ---  | ---  | ---  |
| 103634-3     | 4 | Tin | 67C2131 | 0.84 | 0.79 | 0.75 | 0.66 |
| 103634-4     | 5 | Tin | 96B3471 | ---  | ---  | ---  | ---  |
| ● 5-103634-1 | 2 | Tin | 40P9431 | 0.72 | 0.65 | 0.58 | 0.51 |
| ● 5-103634-2 | 3 | Tin | 08R0767 | 0.78 | 0.71 | 0.71 | 0.63 |
| ● 5-103634-3 | 4 | Tin | 54M3238 | 0.88 | 0.80 | 0.80 | 0.75 |
| ● 5-103634-4 | 5 | Tin | 40P9432 | 0.92 | 0.84 | 0.84 | 0.74 |

▶ CONTINUED ▶

**AMPMODU MTE HEADERS (CONT.)**

RIGHT ANGLE — SQUARE 0.025" (0.64) POSTS, SHROUDED LATCHING

| Mfg. Part No. | Positions | Plating   | Stock No. | Price Each |       |       |         |
|---------------|-----------|-----------|-----------|------------|-------|-------|---------|
|               |           |           |           | 1-24       | 25-49 | 50-99 | 100-499 |
| ● 5-103634-5  | 6         | Tin       | 18R7850   | 1.02       | 0.93  | 0.93  | 0.82    |
| ● 5-103634-7  | 8         | Tin       | 31M9107   | 0.90       | 0.82  | 0.82  | 0.77    |
| ● 5-103635-1  | 2         | 15u" Gold | 16M3117   | 0.65       | 0.60  | 0.60  | 0.56    |
| ● 5-103635-2  | 3         | 15u" Gold | 99K5359   | 0.73       | 0.69  | 0.66  | 0.57    |
| ● 5-103635-3  | 4         | 15u" Gold | 03M2485   | 1.25       | 1.17  | 1.12  | 0.97    |
| ● 5-103635-4  | 5         | 15u" Gold | 16M3118   | 0.78       | 0.73  | 0.70  | 0.61    |
| ● 5-103635-6  | 7         | 15u" Gold | 16M3120   | 1.10       | 1.10  | 1.03  | 0.97    |
| ● 5-103635-9  | 10        | 15u" Gold | 16M3122   | 1.21       | 1.21  | 1.13  | 1.08    |
| ● 6-103635-0  | 11        | 15u" Gold | 16M3385   | 1.32       | 1.32  | 1.32  | 1.13    |
| ● 6-103635-1  | 12        | 15u" Gold | 31M9132   | 1.58       | 1.58  | 1.48  | 1.40    |
| 103906-1      | 2         | 30u" Gold | 10H6540   | ---        | ---   | ---   | ---     |
| 103906-2      | 3         | 30u" Gold | 83F4542   | ---        | ---   | ---   | ---     |
| 103906-3      | 4         | 30u" Gold | 83F4543   | ---        | ---   | ---   | ---     |
| 103906-4      | 5         | 30u" Gold | 85C1554   | 0.78       | 0.74  | 0.71  | 0.62    |
| 103906-5      | 6         | 30u" Gold | 66F2866   | ---        | ---   | ---   | ---     |
| 103906-6      | 7         | 30u" Gold | 10H6541   | 0.92       | 0.87  | 0.83  | 0.72    |
| 103906-7      | 8         | 30u" Gold | 29C2493   | 2.05       | 1.93  | 1.84  | 1.59    |
| 103906-9      | 10        | 30u" Gold | 73C2199   | ---        | ---   | ---   | ---     |
| ● 5-104935-5  | 2         | 30u" Gold | 40P9492   | 1.24       | 1.17  | 1.12  | 0.98    |
| ● 5-104935-3  | 3         | 30u" Gold | 40P9490   | 1.26       | 1.18  | 1.13  | 0.98    |
| ● 5-104935-1  | 4         | 30u" Gold | 40P9488   | 1.01       | 1.01  | 0.94  | 0.89    |
| ● 5-104935-6  | 5         | 30u" Gold | 02M4950   | 1.25       | 1.18  | 1.12  | 0.98    |
| ● 5-104935-7  | 6         | 30u" Gold | 18R8204   | 1.21       | 1.21  | 1.13  | 1.08    |
| ● 5-104935-2  | 8         | 30u" Gold | 40P9489   | 1.08       | 1.08  | 1.01  | 0.96    |

RIGHT ANGLE — SQUARE 0.025" (0.64) POSTS, SHROUDED LATCHING w/HOLD DOWN

|              |    |           |         |      |      |      |      |
|--------------|----|-----------|---------|------|------|------|------|
| 103672-1     | 2  | Tin       | 92F1257 | ---  | ---  | ---  | ---  |
| 103672-2     | 3  | Tin       | 92F1258 | ---  | ---  | ---  | ---  |
| 103672-3     | 4  | Tin       | 92F1259 | ---  | ---  | ---  | ---  |
| ● 5-103672-2 | 3  | Tin       | 40P9444 | 0.82 | 0.74 | 0.74 | 0.70 |
| ● 5-103672-3 | 4  | Tin       | 34P1315 | 0.70 | 0.64 | 0.64 | 0.60 |
| ● 5-103673-8 | 9  | 15u" Gold | 18R7854 | 1.71 | 1.61 | 1.54 | 1.33 |
| 103904-1     | 2  | 30u" Gold | 91B5212 | 0.83 | 0.75 | 0.66 | 0.59 |
| 103904-3     | 4  | 30u" Gold | 66F1583 | ---  | ---  | ---  | ---  |
| 103904-7     | 8  | 30u" Gold | 10H6537 | 1.58 | 1.49 | 1.42 | 1.23 |
| 103904-9     | 10 | 30u" Gold | 10H6539 | 1.71 | 1.61 | 1.54 | 1.33 |
| ● 5-103904-1 | 2  | 30u" Gold | 40P9447 | 0.62 | 0.53 | 0.53 | 0.50 |
| ● 5-103904-2 | 3  | 30u" Gold | 40P9448 | 1.01 | 0.92 | 0.92 | 0.81 |
| ● 5-103904-3 | 4  | 30u" Gold | 40P9449 | 1.19 | 1.15 | 1.10 | 0.96 |
| ● 5-103904-5 | 6  | 30u" Gold | 40P9451 | 1.42 | 1.32 | 1.20 | 1.12 |
| ● 5-103904-7 | 8  | 30u" Gold | 40P9452 | ---  | ---  | ---  | ---  |

RIGHT ANGLE — SQUARE 0.025" (0.64) POSTS, POLARIZED/LATCHING w/HOLD DOWN

|              |   |           |         |      |      |      |      |
|--------------|---|-----------|---------|------|------|------|------|
| 104361-1     | 2 | 15u" Gold | 85C4981 | ---  | ---  | ---  | ---  |
| 104361-2     | 3 | 15u" Gold | 10H6771 | ---  | ---  | ---  | ---  |
| 104361-3     | 4 | 15u" Gold | 93B6907 | ---  | ---  | ---  | ---  |
| 104361-5     | 6 | 15u" Gold | 01H7953 | ---  | ---  | ---  | ---  |
| 104361-7     | 8 | 15u" Gold | 19K8056 | 1.83 | 1.72 | 1.65 | 1.42 |
| ● 5-104361-1 | 2 | 15u" Gold | 89M0115 | 0.77 | 0.77 | 0.77 | 0.72 |
| ● 5-104361-2 | 3 | 15u" Gold | 40P9473 | 1.02 | 1.02 | 0.95 | 0.90 |
| ● 5-104361-3 | 4 | 15u" Gold | 40P9474 | 0.85 | 0.78 | 0.78 | 0.69 |
| ● 5-104361-5 | 6 | 15u" Gold | 18R8076 | 1.15 | 1.15 | 1.08 | 1.02 |

RIGHT ANGLE — SQUARE 0.025" (0.64) POSTS, POLARIZED/LATCHING, SURFACE MOUNT

|              |   |           |         |      |      |      |      |
|--------------|---|-----------|---------|------|------|------|------|
| ● 5-147324-1 | 2 | Tin       | 16M3156 | 2.68 | 2.42 | 2.13 | 1.92 |
| ● 5-147324-2 | 3 | Tin       | 16M3157 | 3.83 | 3.83 | 3.49 | 3.27 |
| ● 5-147324-3 | 4 | Tin       | 16M3158 | 4.38 | 4.38 | 3.99 | 3.73 |
| ● 5-147324-4 | 5 | Tin       | 16M3159 | 3.26 | 2.94 | 2.60 | 2.33 |
| ● 5-147324-5 | 6 | Tin       | 16M3160 | 3.33 | 3.00 | 2.65 | 2.38 |
| ● 5-147278-1 | 2 | 15u" Gold | 16M3152 | 3.76 | 3.44 | 3.29 | ---  |
| ● 5-147278-2 | 3 | 15u" Gold | 16M3153 | 3.18 | 2.90 | 2.90 | ---  |
| ● 5-147278-4 | 5 | 15u" Gold | 16M3154 | ---  | ---  | ---  | ---  |
| ● 5-147278-5 | 6 | 15u" Gold | 16M3155 | 3.37 | 3.04 | 2.68 | 2.41 |

(84203)

**NEW! Technical support hotline**

Call **877.736.4835** to connect directly with our team of engineers or chat live 24/5 online.

(196535)

**AMPMODU MTE RECEPTACLE AND PIN ASSEMBLIES**



- Plain, Guide Rib, or Polarized/Latching Header Assemblies
- Single Row 0.100" (2.54) Centers
- Black Thermoplastic Housing
- Rated UL94V-0

Unloaded housings accept snap-in wire crimp contacts *order separately, below.*

RECEPTACLE HOUSING, PLAIN, SINGLE ROW - STRIP FORM - IDC 26-22 AWG

| Mfg. Part No. | No. of Positions | Contact Plating | Pitch Spacing (mm) | Stock No. | Price Each |
|---------------|------------------|-----------------|--------------------|-----------|------------|
|               |                  |                 |                    |           | 1-99       |
| 103976-1      | 2                | 30u" Gold       | 2.54               | 10H6673   | 0.95       |
| ● 5-103976-1  | 2                | 30u" Gold       | 2.54               | 18R7981   | 0.89       |

RECEPTACLE HOUSING, POLARIZED/LATCHING, SINGLE ROW - STRIP FORM - IDC 26-22 AWG

|              |    |           |      |         |      |
|--------------|----|-----------|------|---------|------|
| 103956-1     | 2  | Tin       | 2.54 | 50F760  | ---  |
| ● 5-103956-1 | 2  | Tin       | 2.54 | 40P9461 | 0.55 |
| ● 5-103956-4 | 5  | Tin       | 2.54 | 31P7384 | 1.15 |
| 103956-5     | 6  | Tin       | 2.54 | 18C3345 | 0.96 |
| ● 5-103956-5 | 6  | Tin       | 2.54 | 40P9462 | 0.93 |
| 103956-7     | 8  | Tin       | 2.54 | 25C3524 | 2.99 |
| ● 5-103956-7 | 8  | Tin       | 2.54 | 82K7986 | 1.77 |
| ● 5-103957-1 | 2  | 15u" Gold | 2.54 | 80K4744 | 0.49 |
| ● 1-103957-4 | 4  | 15u" Gold | 2.54 | 52K3232 | 0.81 |
| ● 5-103957-3 | 4  | 15u" Gold | 2.54 | 16M3943 | 0.77 |
| ● 1-103957-5 | 5  | 15u" Gold | 2.54 | 52K3233 | 0.70 |
| ● 5-103957-4 | 5  | 15u" Gold | 2.54 | 40P9463 | 1.06 |
| ● 5-103957-5 | 6  | 15u" Gold | 2.54 | 02M2082 | 1.01 |
| 103957-6     | 7  | 15u" Gold | 2.54 | 28C3275 | 2.08 |
| ● 5-103957-6 | 7  | 15u" Gold | 2.54 | 18R7944 | 1.76 |
| 103957-7     | 8  | 15u" Gold | 2.54 | 27C4534 | 1.63 |
| ● 5-103957-7 | 8  | 15u" Gold | 2.54 | 10M6026 | 1.60 |
| 103957-8     | 9  | 15u" Gold | 2.54 | 22C5900 | 1.36 |
| 1-103957-1   | 12 | 15u" Gold | 2.54 | 28C3274 | 3.16 |
| 103958-1     | 2  | 30u" Gold | 2.54 | 90F5067 | ---  |
| 103958-2     | 3  | 30u" Gold | 2.54 | 90F5068 | 1.19 |
| 103958-3     | 4  | 30u" Gold | 2.54 | 66F1605 | ---  |
| 103958-4     | 5  | 30u" Gold | 2.54 | 99F3947 | ---  |
| 103958-5     | 6  | 30u" Gold | 2.54 | 85C1251 | ---  |
| 103958-7     | 8  | 30u" Gold | 2.54 | 89C0682 | ---  |
| 103958-9     | 10 | 30u" Gold | 2.54 | 12C8652 | 3.18 |
| ● 5-103958-1 | 2  | 30u" Gold | 2.54 | 13P0210 | 0.82 |
| ● 5-103958-2 | 3  | 30u" Gold | 2.54 | 73K1751 | 0.79 |
| ● 5-103958-3 | 4  | 30u" Gold | 2.54 | 87K2349 | 0.82 |
| ● 5-103958-4 | 5  | 30u" Gold | 2.54 | 42M3521 | 1.49 |
| ● 5-103958-5 | 6  | 30u" Gold | 2.54 | 82K6002 | 1.70 |
| ● 5-103958-7 | 8  | 30u" Gold | 2.54 | 40P9465 | 1.86 |
| ● 5-103958-9 | 10 | 30u" Gold | 2.54 | 01P0029 | 1.95 |

PIN HOUSING, SHROUDED, POLARIZED/LATCHING, SINGLE ROW - STRIP FORM - IDC 26-22 AWG

|              |   |           |      |         |      |
|--------------|---|-----------|------|---------|------|
| 103944-1     | 2 | Tin       | 2.54 | 92F1065 | ---  |
| ● 5-103944-1 | 2 | Tin       | 2.54 | 16M3941 | 0.76 |
| ● 5-103944-2 | 3 | Tin       | 2.54 | 40P9453 | 0.92 |
| 103944-3     | 4 | Tin       | 2.54 | 98F8289 | ---  |
| ● 5-103944-3 | 4 | Tin       | 2.54 | 40P9454 | 1.16 |
| ● 5-103944-4 | 5 | Tin       | 2.54 | 40P9455 | 1.17 |
| ● 5-103945-2 | 3 | 15u" Gold | 2.54 | 84K9421 | 1.08 |
| 103945-3     | 4 | 15u" Gold | 2.54 | 92F1073 | ---  |
| ● 5-103945-3 | 4 | 15u" Gold | 2.54 | 40P9456 | 1.23 |
| ● 5-103945-4 | 5 | 15u" Gold | 2.54 | 40P9457 | 1.29 |
| ● 5-103945-5 | 6 | 15u" Gold | 2.54 | 40P9458 | 1.39 |
| 103946-1     | 2 | 30u" Gold | 2.54 | 66F2865 | 1.29 |
| ● 5-103946-1 | 2 | 30u" Gold | 2.54 | 01N5029 | 1.17 |
| ● 5-103946-2 | 3 | 30u" Gold | 2.54 | 69K7097 | 1.33 |
| 103946-3     | 4 | 30u" Gold | 2.54 | 50B470  | 2.76 |
| ● 5-103946-3 | 4 | 30u" Gold | 2.54 | 40P9459 | 1.39 |
| ● 5-103946-4 | 5 | 30u" Gold | 2.54 | 39M4251 | 1.36 |

RECEPTACLE HOUSING, PLAIN - SINGLE ROW - WITHOUT CONTACTS

| Mfg. Part No. | No. of Positions | Pitch Spacing (mm) | Stock No. | Price Each |
|---------------|------------------|--------------------|-----------|------------|
|               |                  |                    |           | 1-24       |
| ● 103688-4    | 5                | 2.54               | 92F1177   | 0.41       |

RECEPTACLE HOUSING, POLARIZED/LATCHING - SINGLE ROW - WITHOUT CONTACTS

|            |    |      |         |      |
|------------|----|------|---------|------|
| ● 104257-1 | 2  | 2.54 | 92F1226 | 0.26 |
| ● 104257-2 | 3  | 2.54 | 92F1227 | 0.36 |
| ● 104257-3 | 4  | 2.54 | 92F1228 | 0.51 |
| ● 104257-4 | 5  | 2.54 | 92F1211 | 0.52 |
| ● 104257-5 | 6  | 2.54 | 95F1891 | 0.59 |
| ● 104257-7 | 8  | 2.54 | 92F1213 | 0.50 |
| ● 104257-9 | 10 | 2.54 | 92F1215 | 0.69 |

➔ CONTINUED ➔



## PC BOARD HEADERS & SOCKETS

### AMPMODU MTE RECEPTACLE AND PIN ASSEMBLIES (CONT.)

RECEPTACLE HOUSING, POLARIZED/LATCHING - SINGLE ROW - WITHOUT CONTACTS

| Mfg. Part No. | No. of Positions | Pitch Spacing (mm) | Stock No. | Price Each |  |
|---------------|------------------|--------------------|-----------|------------|--|
|               |                  |                    |           | 1-24       |  |
| ● 1-104257-3  | 14               | 2.54               | 94B4725   | 1.08       |  |
| ● 1-104257-4  | 15               | 2.54               | 91C5438   | 1.37       |  |
| ● 1-104257-9  | 20               | 2.54               | 52F6368   | 1.52       |  |

RECEPTACLE HOUSING, GUIDE RIBS - SINGLE ROW - WITHOUT CONTACTS

|            |   |      |         |      |  |
|------------|---|------|---------|------|--|
| ● 103648-1 | 2 | 2.54 | 01C2200 | 0.48 |  |
| ● 103648-2 | 3 | 2.54 | 01C2411 | 0.38 |  |
| ● 103648-3 | 4 | 2.54 | 27C3421 | 0.44 |  |
| ● 103648-4 | 5 | 2.54 | 84C9749 | 0.69 |  |
| ● 103648-5 | 6 | 2.54 | 25C6554 | 0.77 |  |

PIN HOUSING, SHROUDED, POLARIZED/LATCHING - SINGLE ROW - WITHOUT CONTACTS

|              |    |      |         |      |  |
|--------------|----|------|---------|------|--|
| ● 103653-1   | 2  | 2.54 | 98F9724 | 0.62 |  |
| ● 103653-2   | 3  | 2.54 | 92F1218 | 0.36 |  |
| ● 103653-3   | 4  | 2.54 | 92F1219 | 0.72 |  |
| ● 103653-4   | 5  | 2.54 | 92F1264 | 0.62 |  |
| ● 103653-5   | 6  | 2.54 | 92F1265 | 0.55 |  |
| ● 103653-7   | 8  | 2.54 | 92F1267 | 1.25 |  |
| ● 1-103653-3 | 14 | 2.54 | 91C5441 | 1.58 |  |

PIN HOUSING, GUIDE RIBS - SINGLE ROW - WITHOUT CONTACTS

|            |   |      |         |      |  |
|------------|---|------|---------|------|--|
| ● 104503-2 | 3 | 2.54 | 10H6826 | 0.90 |  |
| ● 104503-3 | 4 | 2.54 | 81C9135 | 0.95 |  |
| ● 104503-4 | 5 | 2.54 | 55C4551 | 1.38 |  |

SOCKET CONTACTS - SOLD INDIVIDUALLY

| Mfg. Part No. | AWG   | Contact Finish | Stock No. | Price Each |  |
|---------------|-------|----------------|-----------|------------|--|
|               |       |                |           | 1-99       |  |
| ● 1-104480-4  | 26-22 | Tin            | 52K3243   | 0.09       |  |

SOCKET CONTACTS - PACKAGE OF 200

|            |       |           |         |       |  |
|------------|-------|-----------|---------|-------|--|
| ● 166722-1 | 26-22 | 30u" Gold | 88F6425 | 56.00 |  |
|------------|-------|-----------|---------|-------|--|

SOCKET CONTACTS - PACKAGE OF 1000

|              |       |           |         |       |  |
|--------------|-------|-----------|---------|-------|--|
| ● 1-104480-5 | 26-22 | 15u" Gold | 69K7691 | 75.00 |  |
| ● 1-104480-6 | 26-22 | 30u" Gold | 69K7692 | 73.00 |  |

PIN CONTACTS - SOLD INDIVIDUALLY

|              |       |           |         |      |  |
|--------------|-------|-----------|---------|------|--|
| ● 5-104506-7 | 32-28 | 30u" Gold | 84K8427 | 0.62 |  |
| ● 5-104506-5 | 32-28 | 15u" Gold | 40P9476 | 0.56 |  |
| ● 1-104505-3 | 26-22 | 30u" Tin  | 31K8284 | 0.58 |  |
| 104505-6     | 26-22 | 30u" Gold | 33B4530 | 0.33 |  |
| ● 5-104505-6 | 26-22 | 30u" Gold | 05M4896 | 0.37 |  |
| ● 1-104505-1 | 26-22 | 15u" Gold | 52K3250 | 0.61 |  |
| 104505-4     | 26-22 | 15u" Gold | 33B4529 | 0.56 |  |
| ● 5-104505-4 | 26-22 | 15u" Gold | 73K6469 | 0.31 |  |
| ● 5-104505-5 | 26-22 | 15u" Gold | 78K6558 | 0.34 |  |
| ● 104505-9   | 26-22 | Tin       | 52K3415 | 0.35 |  |

TOOLS/ACCESSORIES

| Mfg. Part No. | Description                 | Stock No. | Price Each |
|---------------|-----------------------------|-----------|------------|
| 843477-1      | Extraction/lance Reset Tool | 52F5154   | 25.94      |

(84553)



## Keep current on local/global legislation

One source for the latest news on environmental laws, and expert answers to your questions.

[www.element14.com/legislation](http://www.element14.com/legislation)



(196542)

### AMP MTA 0.100" (2.45) IDC RECEPTACLES



- Locking ramp
- 90° cable exit angle
- Phosphor bronze contacts
- Nylon housing, flammability rated UL94V-2
- Voltage rating: 250VAC

Perfect for power supplies and gaming applications. UL recognized, file no. E28476; CSA certified, file no. LR7189.

CLOSED-END WITH LOCK AND WITHOUT POLARIZING TABS, TIN-PLATED

| Mfg. Part No. | Circuits | AWG     | Stock No. | Price Each |      |  |
|---------------|----------|---------|-----------|------------|------|--|
|               |          |         |           | 1-24       |      |  |
| ● 3-640440-2  | 2        | 22 Red  | 52K4337   | 0.16       |      |  |
| ● 3-640440-3  | 3        |         | 52K4338   | 0.24       |      |  |
| ● 3-640440-4  | 4        |         | 45J3195   | 0.26       |      |  |
| ● 3-640440-5  | 5        |         | 52K4339   | 0.29       |      |  |
| ● 3-640440-6  | 6        |         | 52K4340   | 0.30       |      |  |
| ● 3-640440-7  | 7        |         | 52K4341   | 0.46       |      |  |
| ● 3-640440-8  | 8        |         | 52K4342   | 0.47       |      |  |
| ● 3-640440-9  | 9        |         | 52K3546   | 1.35       |      |  |
| ● 4-640440-0  | 10       |         | 52K4403   | 0.65       |      |  |
| ● 4-640440-1  | 11       |         | 18R4613   | 1.45       |      |  |
| ● 4-640440-2  | 12       |         | 52K4404   | 0.75       |      |  |
| ● 4-640440-3  | 13       |         | 52K3651   | 1.66       |      |  |
| ● 4-640440-4  | 14       |         | 52K3652   | 1.57       |      |  |
| ● 4-640440-5  | 15       |         | 52K3653   | 1.19       |      |  |
| ● 3-640441-2  | 2        |         | 24 White  | 52K4343    | 0.12 |  |
| ● 3-640441-3  | 3        | 52K4344 |           | 0.23       |      |  |
| ● 3-640441-4  | 4        | 52K4345 |           | 0.14       |      |  |
| ● 3-640441-5  | 5        | 52K4346 |           | 0.31       |      |  |
| ● 3-640441-6  | 6        | 52K4347 |           | 0.22       |      |  |
| ● 3-640441-7  | 7        | 26K2161 |           | 0.33       |      |  |
| ● 3-640441-8  | 8        | 52K4348 |           | 0.52       |      |  |
| ● 4-640441-0  | 10       | 52K4405 |           | 0.46       |      |  |
| ● 4-640441-2  | 12       | 16M3043 |           | 0.68       |      |  |
| ● 4-640441-3  | 13       | 18R4615 |           | 1.95       |      |  |
| ● 4-640441-4  | 14       | 52K3656 |           | 1.63       |      |  |
| ● 4-640441-5  | 15       | 40P9319 |           | 0.92       |      |  |
| ● 3-640442-2  | 2        | 26 Blue |           | 52K4349    | 0.13 |  |
| ● 3-640442-3  | 3        |         |           | 52K4350    | 0.19 |  |
| ● 3-640442-4  | 4        |         |           | 52K4351    | 0.24 |  |
| ● 3-640442-5  | 5        |         | 52K4352   | 0.31       |      |  |
| ● 3-640442-6  | 6        |         | 52K4353   | 0.39       |      |  |
| ● 3-640442-8  | 8        |         | 52K4354   | 0.55       |      |  |
| ● 4-640442-0  | 10       |         | 52K3657   | 0.58       |      |  |
| ● 4-640442-2  | 12       |         | 16M3914   | 0.73       |      |  |
| ● 4-640442-4  | 14       |         | 61M4718   | 2.10       |      |  |
| ● 3-640443-2  | 2        |         | 28 Green  | 52K4355    | 0.13 |  |
| ● 3-640443-3  | 3        |         |           | 52K4356    | 0.19 |  |
| ● 3-640443-4  | 4        |         |           | 52K4357    | 0.21 |  |
| ● 3-640443-5  | 5        |         |           | 52K4358    | 0.25 |  |
| ● 3-640443-6  | 6        |         |           | 52K4359    | 0.33 |  |
| ● 3-640443-7  | 7        |         |           | 30M2449    | 0.49 |  |
| ● 3-640443-8  | 8        | 87K2226 |           | 0.52       |      |  |
| ● 3-640443-9  | 9        | 18R0775 |           | 1.35       |      |  |
| ● 4-640443-0  | 10       | 68K0601 |           | 0.57       |      |  |

CLOSED-END WITH LOCK AND WITHOUT POLARIZING TABS, 15u" GOLD-PLATED

|              |   |          |         |      |  |
|--------------|---|----------|---------|------|--|
| ● 3-641190-3 | 3 | 22 Red   | 52K4366 | 1.12 |  |
| ● 3-641191-3 | 3 | 24 White | 31M1458 | 1.12 |  |

CLOSED-END WITH LOCK AND WITHOUT POLARIZING TABS, 30u" GOLD-PLATED

|              |   |        |         |      |  |
|--------------|---|--------|---------|------|--|
| ● 3-644042-3 | 3 | 22 Red | 40P9129 | 0.95 |  |
|--------------|---|--------|---------|------|--|

CLOSED-END WITH LOCK AND POLARIZING TABS, TIN-PLATED

|              |    |        |         |      |  |
|--------------|----|--------|---------|------|--|
| ● 3-643813-2 | 2  | 22 Red | 52K3585 | 0.17 |  |
| ● 3-643813-4 | 4  |        | 81H0854 | 0.24 |  |
| ● 3-643813-5 | 5  |        | 52K4369 | 0.30 |  |
| ● 3-643813-6 | 6  |        | 52K3586 | 0.63 |  |
| ● 3-643813-7 | 7  |        | 52K4370 | 0.31 |  |
| ● 3-643813-8 | 8  |        | 52K4371 | 0.57 |  |
| ● 4-643813-0 | 10 |        | 52K4406 | 0.54 |  |
| ● 4-643813-2 | 12 |        | 52K4407 | 0.58 |  |
| ● 4-643813-5 | 15 |        | 16M3049 | 1.23 |  |

➔ CONTINUED ➔



**AMP MTA 0.100" (2.45) IDC RECEPTACLES (CONT.)**  
CLOSED-END WITH LOCK AND POLARIZING TABS, TIN-PLATED

| Mfg. Part No. | Circuits | AWG         | Stock No.  | Price Each |      |
|---------------|----------|-------------|------------|------------|------|
|               |          |             |            | 1-24       |      |
| ● 3-643814-2  | 2        | 24<br>White | 52K4372    | 0.13       |      |
| ● 3-643814-3  | 3        |             | 52K3587    | 0.27       |      |
| ● 3-643814-4  | 4        |             | 52K4373    | 0.27       |      |
| ● 3-643814-5  | 5        |             | 52K4374    | 0.40       |      |
| ● 3-643814-6  | 6        |             | 52K4375    | 0.39       |      |
| ● 3-643814-7  | 7        |             | 16M2930    | 0.29       |      |
| ● 3-643814-8  | 8        |             | 87K2228    | 0.52       |      |
| ● 3-643814-0  | 10       |             | 87K2236    | 0.66       |      |
| ● 4-643814-2  | 12       |             | 16M3050    | 0.56       |      |
| ● 4-643814-5  | 15       |             | 16M3051    | 1.23       |      |
| ● 3-643815-2  | 2        |             | 26<br>Blue | 16M2931    | 0.13 |
| ● 3-643815-3  | 3        |             |            | 79K4558    | 0.19 |
| ● 3-643815-4  | 4        |             |            | 52K4376    | 0.24 |
| ● 3-643815-5  | 5        |             |            | 52K4377    | 0.19 |
| ● 3-643815-6  | 6        |             |            | 16M2932    | 0.42 |
| ● 3-643815-8  | 8        | 16M2934     |            | 0.38       |      |
| ● 4-643815-0  | 10       | 12M6388     |            | 0.39       |      |
| ● 3-643816-2  | 2        | 28<br>Green |            | 57K1454    | 0.11 |
| ● 3-643816-3  | 3        |             |            | 16M2935    | 0.17 |
| ● 3-643816-4  | 4        |             |            | 16M2936    | 0.20 |
| ● 3-643816-5  | 5        |             |            | 16M2937    | 0.32 |
| ● 3-643816-6  | 6        |             |            | 52K3588    | 0.29 |
| ● 3-643816-8  | 8        |             |            | 16M2938    | 0.38 |
| ● 4-643816-2  | 12       |             |            | 16M3055    | 0.53 |
| ● 4-643814-6  | 16       |             |            | 40P9326    | 2.24 |

**FEED-THRU WITH LOCK AND WITHOUT POLARIZING TABS, TIN-PLATED**

|              |    |            |             |         |
|--------------|----|------------|-------------|---------|
| ● 3-640620-2 | 2  | 22<br>Red  | 40P9110     | 0.19    |
| ● 3-640620-3 | 3  |            | 40P9111     | 0.26    |
| ● 3-640620-4 | 4  |            | 52K4363     | 0.33    |
| ● 3-640620-5 | 5  |            | 71P5406     | 0.28    |
| ● 3-640620-6 | 6  |            | 17M9098     | 0.40    |
| ● 3-640620-7 | 7  |            | 18R0944     | 0.36    |
| ● 3-640620-8 | 8  |            | 15N4218     | 0.44    |
| ● 4-640620-0 | 10 |            | 18R4864     | 0.48    |
| ● 4-640620-2 | 12 |            | 18R4866     | 0.56    |
| ● 3-640621-2 | 2  |            | 24<br>White | 02P5554 |
| ● 3-640621-4 | 4  | 18R0946    |             | 0.31    |
| ● 3-640621-5 | 5  | 18R0947    |             | 0.28    |
| ● 3-640621-8 | 8  | 40P9112    |             | 0.34    |
| ● 3-640622-2 | 2  | 26<br>Blue |             | 18R0951 |

**FEED-THRU WITH LOCK AND POLARIZING TABS, TIN-PLATED**

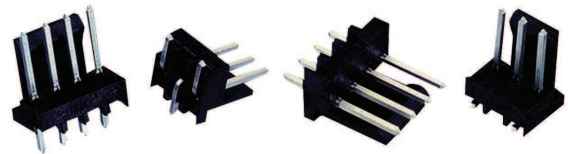
|              |    |            |             |             |         |      |
|--------------|----|------------|-------------|-------------|---------|------|
| ● 3-644540-2 | 2  | 22<br>Red  | 16M2999     | 0.26        |         |      |
| ● 3-644540-3 | 3  |            | 16M3000     | 0.25        |         |      |
| ● 3-644540-4 | 4  |            | 87K2232     | 0.26        |         |      |
| ● 3-644540-5 | 5  |            | 16M3001     | 0.27        |         |      |
| ● 3-644540-6 | 6  |            | 16M3002     | 0.34        |         |      |
| ● 3-644540-7 | 7  |            | 16M3003     | 0.31        |         |      |
| ● 3-644540-8 | 8  |            | 16M3004     | 0.38        |         |      |
| ● 4-644540-2 | 12 |            | 16M3083     | 0.69        |         |      |
| ● 3-644563-2 | 2  |            | 24<br>White | 16M3005     | 0.14    |      |
| ● 3-644563-3 | 3  |            |             | 16M3006     | 0.23    |      |
| ● 3-644563-4 | 4  |            |             | 16M3007     | 0.20    |      |
| ● 3-644563-5 | 5  |            |             | 16M3008     | 0.42    |      |
| ● 3-644563-6 | 6  | 16M3009    |             | ---         |         |      |
| ● 4-644563-2 | 12 | 16M3086    |             | 0.56        |         |      |
| ● 3-644564-2 | 2  | 26<br>Blue |             | 88K1637     | 0.16    |      |
| ● 3-644564-4 | 4  |            |             | 14M8506     | 0.27    |      |
| ● 3-644564-5 | 5  |            |             | 05M6215     | 0.21    |      |
| ● 3-644564-6 | 6  |            |             | 16M3013     | 0.33    |      |
| ● 3-644565-2 | 2  |            |             | 28<br>Green | 16M3014 | 0.14 |
| ● 3-644565-4 | 4  |            |             |             | 12M6185 | 0.25 |
| ● 3-644565-6 | 6  | 12M6184    | 0.36        |             |         |      |

**UL94V-0 RATED - IDC RECEPTACLES - BLACK - WITH LOCK AND POLARIZING TABS**

| Mfg. Part No. | Circuits | AWG | Description | Stock No. | Price Each |
|---------------|----------|-----|-------------|-----------|------------|
|               |          |     |             |           | 1-24       |
| ● 4-644083-3  | 13       | 22  | Closed-End  | 16M3066   | 0.88       |
| ● 4-644312-3  | 13       | 24  | Closed-End  | 16M3067   | 0.94       |
| ● 4-644313-3  | 13       | 26  | Closed-End  | 16M3068   | 1.15       |
| ● 4-644578-3  | 13       | 22  | Feed-Thru   | 16M3093   | 0.75       |
| ● 4-644497-3  | 13       | 26  | Feed-Thru   | 16M3081   | 1.22       |

(32987)

**AMP MTA 0.100" (2.54) POST HEADERS**



- PC Board Mount
- Polyester Housing, Flammability Rated UL94V-0
- Tin Plated Contact Mating Area
- Voltage Rating: 250VAC

Perfect for power supplies and gaming applications.

**SQUARE POST HEADERS — 0.64" (0.025) POST SIZE, 0.140" (3.56) TERMINATION POST**

**STRAIGHT - FLAT HEADERS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-49       |
| ● 640452-2    | 2        | 51F1397   | 0.22       |
| ● 640452-3    | 3        | 90F4270   | 0.24       |
| ● 640452-4    | 4        | 51F1398   | 0.32       |
| ● 640452-5    | 5        | 51F1399   | 0.41       |
| ● 640452-6    | 6        | 51F1400   | 0.58       |
| ● 640452-7    | 7        | 51F1542   | 0.57       |
| ● 640452-8    | 8        | 51F1543   | 0.60       |
| ● 640452-9    | 9        | 51F1544   | 0.61       |
| ● 1-640452-0  | 10       | 51F1582   | 0.62       |

**RIGHT ANGLE HEADERS**

|              |    |         |      |
|--------------|----|---------|------|
| ● 640453-3   | 3  | 84C8897 | 0.30 |
| ● 640453-5   | 5  | 22C6367 | 0.47 |
| ● 640453-6   | 6  | 90F4271 | 0.38 |
| ● 640453-7   | 7  | 16H2615 | 0.46 |
| ● 640453-8   | 8  | 90F4272 | 0.62 |
| ● 1-640453-2 | 12 | 52F6371 | 0.85 |

**STRAIGHT - POLARIZED HEADERS**

|              |    |         |      |
|--------------|----|---------|------|
| ● 640454-2   | 2  | 90F4274 | 0.10 |
| ● 640454-3   | 3  | 90F4275 | 0.12 |
| ● 640454-4   | 4  | 90F4276 | 0.15 |
| ● 640454-5   | 5  | 90F4277 | 0.16 |
| ● 640454-6   | 6  | 90F4278 | 0.25 |
| ● 640454-7   | 7  | 90F4279 | 0.22 |
| ● 640454-8   | 8  | 90F4280 | 0.32 |
| ● 640454-9   | 9  | 66F1594 | 0.30 |
| ● 1-640454-0 | 10 | 90F4281 | 0.29 |
| ● 1-640454-2 | 12 | 90F4282 | 0.63 |
| ● 1-640454-3 | 13 | 48F1933 | 0.40 |
| ● 1-640454-4 | 14 | 10H1613 | 0.63 |

**STRAIGHT - POLARIZED HEADERS - 30u" GOLD PLATED**

|              |   |         |      |
|--------------|---|---------|------|
| ● 3-641213-8 | 8 | 18R1328 | 0.76 |
|--------------|---|---------|------|

**RIGHT ANGLE - POLARIZED HEADERS**

|              |    |         |      |
|--------------|----|---------|------|
| ● 640455-2   | 2  | 98F1853 | 0.05 |
| ● 640455-4   | 4  | 51F3876 | 0.07 |
| ● 640455-5   | 5  | 90F4284 | 0.09 |
| ● 640455-6   | 6  | 51F3877 | 0.14 |
| ● 640455-7   | 7  | 90F4285 | 0.21 |
| ● 640455-8   | 8  | 07H9276 | 0.15 |
| ● 1-640455-0 | 10 | 34C3611 | 0.30 |

**STRAIGHT - WITH FRICTION LOCK**

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-24       |
| ● 640456-2    | 2        | 90F4250   | 0.13       |
| ● 640456-3    | 3        | 90F4251   | 0.15       |
| ● 640456-4    | 4        | 90F5641   | 0.19       |
| ● 640456-5    | 5        | 90F5643   | 0.27       |
| ● 640456-6    | 6        | 90F5645   | 0.27       |
| ● 640456-7    | 7        | 90F5629   | 0.17       |
| ● 640456-8    | 8        | 90F5631   | 0.33       |
| ● 640456-9    | 9        | 25H7940   | 0.52       |
| ● 1-640456-0  | 10       | 90F5635   | 0.44       |
| ● 1-640456-1  | 11       | 90F5390   | 0.43       |
| ● 1-640456-2  | 12       | 90F5392   | 0.59       |
| ● 1-640456-3  | 13       | 90F5393   | 0.66       |
| ● 1-640456-4  | 14       | 90F5394   | 0.74       |
| ● 1-640456-6  | 16       | 90F5397   | 1.18       |
| ● 2-640456-4  | 24       | 90F3775   | 1.33       |

▶ CONTINUED ▶

PC BOARD HEADERS & SOCKETS

AMP MTA 0.100" (2.54) POST HEADERS (CONT.)

RIGHT ANGLE - WITH FRICTION LOCK

| Mfg. Part No. | Circuits | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-24       |  |
| ● 640457-2    | 2        | 90F5638   | 0.15       |  |
| ● 640457-3    | 3        | 90F5640   | 0.17       |  |
| ● 640457-4    | 4        | 90F5642   | 0.21       |  |
| ● 640457-5    | 5        | 90F5644   | 0.25       |  |
| ● 640457-6    | 6        | 90F5628   | 0.36       |  |
| ● 640457-8    | 8        | 90F5632   | 0.40       |  |
| ● 1-640457-0  | 10       | 90F5636   | 0.41       |  |
| ● 1-640457-2  | 12       | 51F1545   | 0.38       |  |

SQUARE POST HEADERS — 0.64" (0.025) POST SIZE, 0.110" (2.79) TERMINATION POST

NARROW FLAT STRAIGHT HEADERS - WITHOUT RETENTIVE LEGS

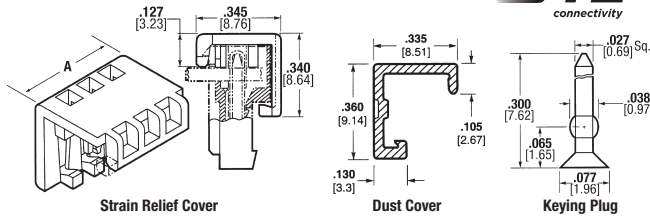
| Mfg. Part No. | Circuits | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-49       |  |
| ● 3-644456-2  | 2        | 36K8023   | 0.17       |  |
| ● 3-644456-3  | 3        | 52K3600   | 0.18       |  |
| ● 3-644456-4  | 4        | 87K2231   | 0.14       |  |
| ● 3-644456-5  | 5        | 16M2965   | 0.27       |  |
| ● 3-644456-6  | 6        | 16M2966   | 0.24       |  |
| ● 3-644456-7  | 7        | 16M2967   | 0.31       |  |
| ● 3-644456-8  | 8        | 16M2968   | 0.27       |  |
| ● 4-644456-1  | 11       | 16M3069   | 0.43       |  |
| ● 4-644456-2  | 12       | 16M3070   | 0.48       |  |
| ● 4-644456-4  | 14       | 16M3072   | 0.85       |  |
| ● 1-640456-5  | 15       | 14C7570   | 0.91       |  |

NARROW FLAT STRAIGHT HEADERS - WITH RETENTIVE LEGS

|              |   |         |      |  |
|--------------|---|---------|------|--|
| ● 3-644695-2 | 2 | 51P3043 | 0.22 |  |
| ● 3-644695-3 | 3 | 18R2262 | 0.30 |  |
| ● 3-644695-5 | 5 | 45M6152 | 0.59 |  |
| ● 3-644695-6 | 6 | 67M9055 | 0.45 |  |

(32989)

AMP MTA 0.100" (2.54) CONNECTOR ACCESSORIES



- Closed End Cover
- Nylon Housing, Flammability Rated UL94V-2

Removal of contact not necessary when using keying plugs; order separately below.

CLOSED-END COVERS

| Circuits | Dim. A       | Strain Relief Covers |           | Price Each | Dust Covers   |           | Price Each |
|----------|--------------|----------------------|-----------|------------|---------------|-----------|------------|
|          |              | Mfg. Part No.        | Stock No. | 1-24       | Mfg. Part No. | Stock No. | 1-24       |
| 2        | 0.2" (5.08)  | ● 643075-2           | 90F4257   | 0.38       | ● 640550-2    | 25C3146   | 0.08       |
| 3        | 0.3" (7.62)  | ● 643075-3           | 90F4258   | 0.57       | ● 640550-3    | 90F4268   | 0.18       |
| 4        | 0.4" (10.16) | ● 643075-4           | 90F4259   | 0.42       | ● 640550-4    | 90F4269   | 0.13       |
| 5        | 0.5" (12.70) | ● 643075-5           | 90F4260   | 0.45       | ● 640550-5    | 90F5096   | 0.10       |
| 6        | 0.6" (15.24) | ● 643075-6           | 90F4261   | 0.40       | ● 640550-6    | 90F5097   | 0.19       |
| 7        | 0.7" (17.78) | ● 643075-7           | 90F4262   | 0.58       | ● 640550-7    | 90F5098   | 0.17       |
| 8        | 0.8" (20.32) | ● 643075-8           | 90F4263   | 0.66       | ● 640550-8    | 90F5099   | 0.31       |
| 9        | 0.9" (22.86) | ● 643075-9           | 66F3279   | 0.61       | ● 640550-9    | 39C3616   | 0.24       |
| 10       | 1.0" (25.40) | ● 1-643075-0         | 90F4264   | 0.37       | ● 1-640550-0  | 90F5101   | 0.23       |
| 12       | 1.2" (30.48) | ● 1-643075-2         | 90F4265   | 0.46       | ● 1-640550-2  | 90F5102   | 0.26       |
| 14       | 1.4" (35.56) | ● 1-643075-4         | 66F3287   | 0.49       | ● 1-640550-4  | 54H3790   | 0.29       |
| 16       | 1.6" (40.64) | ● 1-643075-6         | 66F1589   | 0.53       | ...           | ...       | ...        |

FEED-THRU COVERS

|    |              |              |         |      |     |     |     |
|----|--------------|--------------|---------|------|-----|-----|-----|
| 3  | 0.3" (7.62)  | ● 643077-3   | 52F6262 | 0.40 | ... | ... | ... |
| 15 | 1.5" (38.10) | ● 1-643077-5 | 50H5536 | 0.86 | ... | ... | ... |

KEYING PLUG

| Mnf. Part No. | For Use With       | Type  | Stock No. | Price Each |       |
|---------------|--------------------|-------|-----------|------------|-------|
|               |                    |       |           | 1-24       | 25-49 |
| ● 641994-1    | MTA-100 Connectors | Flush | 90F4267   | 0.67       | 0.63  |

(32990)

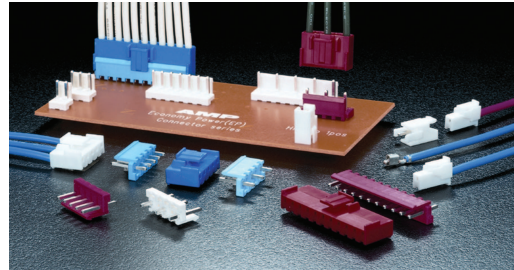
AMP MTA-100 TOOLING



| Mfg. Part No. | Description  | Stock No. | Price 1-4 |
|---------------|--|-----------|-----------|
| 58074-1       | Pistol-Grip Hand Tool for Metal and All-Plastic Shell Connectors               | 50F783    | 109.33    |
| 58246-1       | Crimp Die for MTA-100 Receptacles (Use with Tool Mfg. Part No. 58074-1, Above) | 50F785    | 158.60    |
| 59803-1       | MTA-100 T-Handle Maintenance Tool  | 96F2821   | 24.68     |

(32988)

AMP ECONOMY POWER (EP) WIRE-TO-BOARD CONNECTORS



- Wire-to-Board Secondary Power Circuit Applications
- Vertical, Through-Hole Headers
- Vertical Headers are End-to-End Stackable to Conserve PCB Space

RECEPTACLE CONTACTS

| Mfg. Part No. | AWG   | Wire Insulation Diameter | Stock No. | Price Each |         |         |
|---------------|-------|--------------------------|-----------|------------|---------|---------|
|               |       |                          |           | 1-99       | 100-499 | 500-999 |
| ● 1123721-1   | 18-22 | .067-.118                | 86C8232   | 0.09       | 0.09    | 0.08    |

RECEPTACLE PLUG HOUSINGS

| Mfg. Part No. | Contacts | Dimensions    | Stock No. | Price Each |  |
|---------------|----------|---------------|-----------|------------|--|
|               |          |               |           | 1-24       |  |
| ● 1-1123722-2 | 2        | 0.310 (7.86)  | 07H9595   | 0.07       |  |
| ● 1-1123722-4 | 4        | 0.621 (15.78) | 09H1717   | 0.25       |  |
| ● 1-1123722-5 | 5        | 0.777 (19.74) | 07H9581   | 0.15       |  |
| ● 1-1123722-6 | 6        | 0.933 (23.70) | 09H1738   | 0.27       |  |
| ● 1-1123722-7 | 7        | 1.089 (27.66) | 07H9586   | 0.22       |  |
| ● 1-1123722-8 | 8        | 1.245 (31.62) | 09H1739   | 0.32       |  |

VERTICAL POST HEADERS

| Mfg. Part No. | Contacts | Dimensions    | Stock No. | Price Each |  |
|---------------|----------|---------------|-----------|------------|--|
|               |          |               |           | 1-9        |  |
| ● 1-1123723-2 | 2        | 0.310 (7.86)  | 07H9598   | 0.16       |  |
| ● 1-1123723-4 | 4        | 0.621 (15.78) | 36K3734   | 0.28       |  |
| ● 1-1123723-5 | 5        | 0.777 (19.74) | 36K3735   | 0.32       |  |
| ● 1-1123723-6 | 6        | 0.933 (23.70) | 36K3736   | ---        |  |
| ● 1-1123723-8 | 8        | 1.245 (31.62) | 36K3738   | 0.66       |  |

VERTICAL POST HEADERS - TUBE PACK

|               |   |               |         |      |
|---------------|---|---------------|---------|------|
| ● 1-1318300-2 | 2 | 0.310 (7.86)  | 55M3461 | 0.33 |
| ● 1-1318300-4 | 4 | 0.621 (15.78) | 27M3953 | 0.66 |

VERTICAL POST HEADERS - 0.312 [7.92] CENTERLINE - TUBE PACK

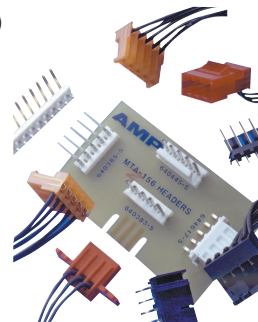
|               |   |               |         |      |
|---------------|---|---------------|---------|------|
| ● 1-1318301-2 | 2 | 0.465 [11.82] | 55M0452 | 0.47 |
|---------------|---|---------------|---------|------|

(80533)

AMP MTA 0.156" (3.96) POST HEADERS



- Contact centerline spacing: 0.156" (3.96 mm)
- Contact mating area plating: Tin, unless otherwise specified
- Vertical PCB mount
- Polyester housing, flammability rated UL94V-0
- Current rating: 7 A
- Voltage rating: 600 VAC



Perfect for PC, gaming, and household appliance applications.

➤ CONTINUED ➤

**AMP MTA 0.156" (3.96) POST HEADERS (CONT.)**

FLAT HEADERS, 0.062" (1.57) PC BOARD THICKNESS, 0.125" (3.18) TERMINATION POST

**STRAIGHT - SQUARE POST**

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-24       |
| ● 640383-2    | 2        | 90F5382   | 0.23       |
| ● 640383-3    | 3        | 51F1733   | 0.23       |
| ● 640383-5    | 5        | 50H6806   | 0.44       |
| ● 640383-7    | 7        | 90F5385   | 0.69       |

**STRAIGHT - ROUND POST**

|            |   |         |      |
|------------|---|---------|------|
| ● 640384-2 | 2 | 51F1633 | 0.24 |
| ● 640384-4 | 4 | 51F1450 | 0.34 |
| ● 640384-8 | 8 | 51F1454 | 0.46 |

**RIGHT ANGLE - SQUARE POST**

|              |    |         |      |
|--------------|----|---------|------|
| ● 640385-2   | 2  | 51F1557 | 0.27 |
| ● 640385-3   | 3  | 51F1558 | 0.26 |
| ● 640385-8   | 8  | 51F1562 | 0.50 |
| ● 640385-9   | 9  | 48F1935 | 1.35 |
| ● 1-640385-0 | 10 | 51F3881 | 0.81 |

HEADERS, 0.093 - 0.125" (2.36 - 3.18) PC BOARD THICKNESS, 0.175" (4.45) TERMINATION POST

**FLAT, RIGHT ANGLE - SQUARE POST**

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-24       |
| ● 644751-2    | 2        | 34B1177   | 0.24       |
| ● 644751-4    | 4        | 34B1179   | 0.36       |
| ● 644751-5    | 5        | 34B1180   | 0.31       |
| ● 644751-8    | 8        | 34B1183   | 0.47       |

**FRICION LOCK, STRAIGHT - SQUARE POST**

|              |    |         |      |
|--------------|----|---------|------|
| ● 644752-2   | 2  | 34B1184 | 0.23 |
| ● 644752-3   | 3  | 34B1185 | 0.24 |
| ● 644752-4   | 4  | 34B1186 | 0.21 |
| ● 644752-5   | 5  | 34B1187 | 0.44 |
| ● 644752-7   | 7  | 34B1188 | 0.34 |
| ● 644752-8   | 8  | 34B1189 | 0.41 |
| ● 644752-9   | 9  | 78H3300 | 0.71 |
| ● 1-644752-0 | 10 | 10H2543 | 0.42 |
| ● 1-644752-2 | 12 | 33B3766 | 0.64 |

**FRICION LOCK, STRAIGHT - ROUND POST**

|            |   |         |      |
|------------|---|---------|------|
| ● 644753-2 | 2 | 34B1190 | 0.33 |
| ● 644753-3 | 3 | 34B1191 | 0.22 |
| ● 644753-4 | 4 | 34B1192 | 0.31 |

FRICION-LOCK HEADERS, 0.062" (1.57) PC BOARD THICKNESS, 0.125" (3.18) TERMINATION POST

**STRAIGHT - SQUARE POST**

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-24       |
| ● 640445-2    | 2        | 90F4053   | 0.15       |
| ● 640445-3    | 3        | 90F4054   | 0.19       |
| ● 640445-4    | 4        | 90F4055   | 0.16       |
| ● 640445-5    | 5        | 90F5345   | 0.22       |
| ● 640445-6    | 6        | 90F5346   | 0.30       |
| ● 640445-7    | 7        | 90F5347   | 0.34       |
| ● 640445-8    | 8        | 90F5348   | 0.39       |
| ● 640445-9    | 9        | 90F5349   | 0.45       |
| ● 1-640445-0  | 10       | 90F5350   | 0.35       |
| ● 1-640445-1  | 11       | 90F5351   | 0.49       |
| ● 1-640445-2  | 12       | 90F5352   | 0.67       |
| ● 1-640445-3  | 13       | 90F5353   | 0.91       |
| ● 1-640445-4  | 14       | 90F5619   | ---        |

**STRAIGHT - SQUARE POST, GOLD PLATED**

|              |    |         |      |
|--------------|----|---------|------|
| ● 3-641208-2 | 2  | 52K3562 | 0.85 |
| ● 3-641208-3 | 3  | 52K3563 | 1.11 |
| ● 3-641208-4 | 4  | 52K3564 | 1.30 |
| ● 3-641208-5 | 5  | 52K3565 | 1.47 |
| ● 3-641208-6 | 6  | 52K3566 | 1.67 |
| ● 3-641208-7 | 7  | 16M2920 | 2.15 |
| ● 3-641208-8 | 8  | 52K3567 | 2.19 |
| ● 3-641208-9 | 9  | 16M2921 | 2.68 |
| ● 4-641208-0 | 10 | 52K3658 | 2.64 |
| ● 4-641208-1 | 11 | 16M3045 | 4.66 |
| ● 4-641208-7 | 17 | 16M3047 | 7.98 |

**STRAIGHT - ROUND POST**

|            |   |         |      |
|------------|---|---------|------|
| ● 640388-2 | 2 | 90F5622 | 0.18 |
| ● 640388-3 | 3 | 90F5623 | 0.19 |
| ● 640388-4 | 9 | 90F5624 | 0.22 |
| ● 640388-5 | 5 | 90F5625 | 0.26 |
| ● 640388-6 | 6 | 90F5626 | 0.32 |

➔ CONTINUED ➔

**AMP MTA 0.156" (3.96) POST HEADERS (CONT.)**

STRAIGHT - ROUND POST

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-24       |
| ● 640388-7    | 7        | 90F5627   | 0.44       |
| ● 640388-8    | 8        | 90F5610   | 0.43       |
| ● 1-640388-0  | 10       | 90F5612   | 0.67       |
| ● 1-640388-2  | 12       | 90F5614   | 0.66       |

**RIGHT ANGLE - FRONT BEND**

|            |   |         |      |
|------------|---|---------|------|
| ● 640389-2 | 2 | 90F5617 | 0.35 |
| ● 640389-3 | 3 | 90F5618 | 0.37 |
| ● 640389-4 | 4 | 90F5601 | 0.53 |
| ● 640389-5 | 5 | 90F5602 | 0.85 |
| ● 640389-6 | 6 | 90F5603 | 0.72 |
| ● 640389-8 | 8 | 90F5605 | 1.05 |

**RIGHT ANGLE - FRONT BEND, GOLD PLATED**

|              |   |         |      |
|--------------|---|---------|------|
| ● 3-641210-2 | 2 | 16M2922 | 0.90 |
| ● 3-641210-4 | 4 | 16M2924 | 1.34 |
| ● 3-641210-5 | 5 | 16M2925 | 1.63 |
| ● 3-641210-6 | 6 | 16M2926 | 2.10 |

(32995)

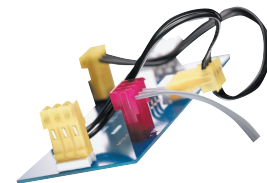
**AMP MTA 0.156" (3.96) IDC RECEPTACLES**



RoHS Compliant Available



- Stackable/Closed-End Connectors
- Mating Connector Lock
- 90° Cable Exit
- Phosphor Bronze Contacts
- Tin-Plated Contact Mating Area
- Nylon Housing, Flammability Rated UL 94V-2
- Current Rating: 7 A
- Voltage Rating: 600 VAC



Perfect for PC, gaming and household appliance applications. Meets the material requirements of Table 23.1 of UL1410 Standards for Television Receiver and Video Products (wire-to-post connectors only). UL recognized, file no. E28476; CSA certified, file no. LR7189.

**CLOSED-END RECEPTACLES WITH LOCK, WITHOUT POLARIZING TABS**

| Ckts. | Mfg. Part No. | AWG       | Stock No. | Price Each | Mfg. Part No. | AWG       | Stock No.    | Price Each |         |      |
|-------|---------------|-----------|-----------|------------|---------------|-----------|--------------|------------|---------|------|
|       |               |           | 1-24      |            |               |           | 1-24         |            |         |      |
| 2     | ● 3-640426-2  | 18 Orange | 52K3535   | 0.27       | ● 3-640427-2  | 20 Yellow | 52K3539      | 0.38       |         |      |
| 3     | ● 3-640426-3  |           | 52K4331   | 0.32       | ● 3-640427-3  |           | 87K2221      | 0.38       |         |      |
| 4     | ● 3-640426-4  |           | 52K4332   | 0.43       | ● 3-640427-4  |           | 87K2222      | 0.46       |         |      |
| 5     | ● 3-640426-5  |           | 52K3536   | 0.59       | ● 3-640427-5  |           | 87K2223      | 0.57       |         |      |
| 6     | ● 3-640426-6  |           | 52K4333   | 0.57       | ● 3-640427-6  |           | 16M2904      | 0.71       |         |      |
| 7     | ● 3-640426-7  |           | 52K3537   | 0.65       | ● 3-640427-7  |           | 16M2905      | 0.60       |         |      |
| 8     | ● 3-640426-8  |           | 52K3538   | 0.89       | ● 3-640427-8  |           | 16M2906      | 0.68       |         |      |
| 9     | ● 3-640426-9  |           | 87K2220   | 0.81       | ● 3-640427-9  |           | 16M2907      | 1.02       |         |      |
| 10    | ● 4-640426-0  |           | 52K3645   | 0.84       | ● 4-640427-0  |           | 87K2234      | 1.15       |         |      |
| 12    | ● 4-640426-2  |           | 52K3646   | 1.26       | ● 4-640427-2  |           | 16M3040      | 1.32       |         |      |
| 2     | ● 3-640428-2  |           | 22 Red    | 52K3540    | 0.25          |           | ● 3-640429-2 | 24 White   | 87K2224 | 0.38 |
| 3     | ● 3-640428-3  |           |           | 52K4334    | 0.18          |           | ● 3-640429-3 |            | 16M2908 | 0.39 |
| 4     | ● 3-640428-4  | 52K4335   |           | 0.37       | ● 3-640429-4  | 87K2225   | 0.39         |            |         |      |
| 5     | ● 3-640428-5  | 52K3541   |           | 0.53       | ● 3-640429-5  | 39P8134   | ---          |            |         |      |
| 6     | ● 3-640428-6  | 52K4336   |           | 0.45       | ● 3-640429-6  | 16M2909   | 0.63         |            |         |      |
| 7     | ● 3-640428-7  | 52K3542   |           | 0.65       | ...           | ...       | ---          |            |         |      |
| 8     | ● 3-640428-8  | 52K3543   |           | 0.92       | ...           | ...       | ---          |            |         |      |
| 9     | ● 3-640428-9  | 52K3544   |           | 0.72       | ● 3-640429-9  | 18R0738   | 0.78         |            |         |      |
| 10    | ● 4-640428-0  | 52K3648   |           | 1.15       | ● 4-640429-0  | 16M3041   | 0.85         |            |         |      |
| 12    | ● 4-640428-2  | 52K3649   |           | 1.50       | ● 4-640429-2  | 16M3042   | ---          |            |         |      |

**CLOSED-END RECEPTACLES WITH LOCK AND POLARIZING TABS**

|    |              |           |         |      |              |           |         |      |
|----|--------------|-----------|---------|------|--------------|-----------|---------|------|
| 2  | ● 3-643817-2 | 18 Orange | 52K3589 | 0.35 | ● 3-643818-2 | 20 Yellow | 52K3592 | 0.24 |
| 3  | ● 3-643817-3 |           | 87K2229 | 0.38 | ...          |           | ...     | ---  |
| 4  | ● 3-643817-4 |           | 52K4378 | 0.44 | ● 3-643818-4 |           | 16M2940 | 0.46 |
| 5  | ● 3-643817-5 |           | 97H4009 | 0.54 | ● 3-643818-5 |           | 16M2941 | 0.40 |
| 6  | ● 3-643817-6 |           | 52K4379 | 0.65 | ● 3-643818-6 |           | 16M2942 | 0.41 |
| 7  | ● 3-643817-7 |           | 16M2939 | 0.61 | ● 3-643818-7 |           | 16M2943 | 0.51 |
| 8  | ● 3-643817-8 |           | 52K3590 | 0.63 | ● 3-643818-8 |           | 57K2754 | 0.53 |
| 9  | ● 3-643817-9 |           | 52K3591 | 0.65 | ● 3-643818-9 |           | 16M2944 | 0.65 |
| 12 | ● 4-643817-2 |           | 16M3057 | 0.90 | ● 4-643818-2 |           | 16M3059 | 0.90 |

➔ CONTINUED ➔



PC BOARD HEADERS & SOCKETS

AMP MTA 0.156" (3.96) IDC RECEPTACLES (CONT.)

CLOSED-END RECEPTACLES WITH LOCK AND POLARIZING TABS

| Kts. | Mfg. Part No. | AWG    | Stock No. | Price Each | Mfg. Part No. | AWG      | Stock No. | Price Each |
|------|---------------|--------|-----------|------------|---------------|----------|-----------|------------|
|      |               |        |           | 1-24       |               |          |           | 1-24       |
| 2    | 3-643819-2    | 22 Red | 16M2945   | 0.35       | 3-643820-2    | 24 White | 16M2949   | 0.19       |
| 3    | 3-643819-3    |        | 87K2230   | 0.31       | 3-643820-3    |          | 16M2950   | 0.40       |
| 4    | 3-643819-4    |        | 52K3593   | 0.37       | 3-643820-4    |          | 16M2951   | 0.31       |
| 5    | 3-643819-5    |        | 52K3594   | 0.57       | 3-643820-5    |          | 16M2952   | 0.32       |
| 6    | 3-643819-6    |        | 16M2946   | 0.43       | 3-643820-6    |          | 16M2953   | 0.37       |
| 7    | 3-643819-7    |        | 16M2947   | 0.59       | 3-643820-7    |          | 16M2954   | 0.45       |
| 8    | 3-643819-8    |        | 52K3595   | 0.53       | 3-643820-8    |          | 16M2955   | 0.63       |
| 9    | 3-643819-9    |        | 16M2948   | 0.65       | 3-643820-9    |          | 16M2956   | 0.68       |
| 10   | 4-643819-0    |        | 16M3060   | 0.59       | 4-643820-0    |          | 16M3062   | 0.72       |
| 11   | 4-643819-1    |        | 16M3924   | ---        | ---           |          | ---       | ---        |
| 17   | 4-643819-7    |        | 16M3925   | 1.88       | 4-643820-7    |          | 16M3927   | 2.18       |

CLOSED-END RECEPTACLES WITHOUT LOCK, WITHOUT POLARIZING TABS

| Kts. | Mfg. Part No. | AWG       | Stock No. | Price Each | Mfg. Part No. | AWG    | Stock No. | Price Each |
|------|---------------|-----------|-----------|------------|---------------|--------|-----------|------------|
|      |               |           |           | 1-24       |               |        |           | 1-24       |
| 2    | 3-640431-2    | 18 Orange | 40P9103   | 0.26       | 3-640433-2    | 22 Red | 52K3545   | 0.24       |
| 3    | 3-640431-3    |           | 09P2472   | 0.23       | 3-640433-3    |        | 40P9105   | 0.30       |
| 4    | 3-640431-4    |           | 48M6245   | 0.34       | 3-640433-4    |        | 95M8891   | 0.30       |
| 5    | 3-640431-5    |           | 09P2471   | 0.47       | 3-640433-5    |        | 54M6289   | 0.36       |
| 6    | 3-640431-6    |           | 88M8333   | 0.39       | 3-640433-6    |        | 40P9106   | 0.39       |
| 8    | 3-640431-8    |           | 18R0747   | 0.58       | 3-640433-8    |        | 54M6290   | 0.58       |
| 10   | 4-640431-0    |           | 19P7812   | 0.59       | ---           |        | ---       | ---        |
| 12   | 4-640431-2    |           | 18R4566   | 1.08       | ---           |        | ---       | ---        |

FEED-THRU RECEPTACLES WITH LOCK, WITHOUT POLARIZING TABS

| Kts. | Mfg. Part No. | AWG       | Stock No. | Price Each | Mfg. Part No. | AWG       | Stock No. | Price Each |     |
|------|---------------|-----------|-----------|------------|---------------|-----------|-----------|------------|-----|
|      |               |           |           | 1-24       |               |           |           | 1-24       |     |
| 2    | 3-640599-2    | 18 Orange | 87K2227   | 0.26       | 3-640600-2    | 20 Yellow | 88M9015   | 0.30       |     |
| 3    | 3-640599-3    |           | 52K4360   | 0.34       | ---           |           | ---       | ---        |     |
| 4    | 3-640599-4    |           | 52K4361   | 0.43       | ---           |           | ---       | ---        |     |
| 5    | 3-640599-5    |           | 46M4388   | 0.43       | ---           |           | ---       | ---        |     |
| 6    | 3-640599-6    |           | 52K3548   | 0.50       | ---           |           | ---       | ---        |     |
| 8    | 3-640599-8    |           | 09P2064   | 0.58       | ---           |           | ---       | ---        |     |
| 9    | 3-640599-9    |           | 18R0889   | 0.59       | ---           |           | ---       | ---        |     |
| 10   | 4-640599-0    |           | 34M2312   | 0.61       | ---           |           | ---       | ---        |     |
| 2    | 3-640601-2    |           | 22 Red    | 16M2919    | 0.23          |           | ---       | ---        | --- |
| 3    | 3-640601-3    |           |           | 40P9108    | 0.31          |           | ---       | ---        | --- |
| 4    | 3-640601-4    | 52K4362   |           | 0.31       | ---           | ---       | ---       |            |     |
| 9    | 3-640601-6    | 40P9109   |           | 0.52       | ---           | ---       | ---       |            |     |

FEED-THRU RECEPTACLES WITH LOCK AND POLARIZING TABS

| Kts. | Mfg. Part No. | AWG       | Stock No. | Price Each | Mfg. Part No. | AWG       | Stock No.  | Price Each |         |      |
|------|---------------|-----------|-----------|------------|---------------|-----------|------------|------------|---------|------|
|      |               |           |           | 1-24       |               |           |            | 1-24       |         |      |
| 2    | 3-644465-2    | 18 Orange | 16M2970   | 0.21       | 3-644466-2    | 20 Yellow | 16M2976    | 0.19       |         |      |
| 3    | 3-644465-3    |           | 16M2971   | 0.31       | 3-644466-3    |           | 16M2977    | ---        |         |      |
| 4    | 3-644465-4    |           | 52K3601   | 0.35       | 3-644466-4    |           | 16M2978    | 0.31       |         |      |
| 6    | ---           |           | ---       | ---        | 3-644466-6    |           | 16M2980    | 0.45       |         |      |
| 4    | 3-644467-4    |           | 22 Red    | 16M2985    | 0.28          |           | 3-644468-4 | 24 White   | 16M2993 | 0.26 |
| 6    | 3-644467-6    |           |           | 16M2987    | 0.47          |           | 3-644468-6 |            | 16M2995 | 0.32 |
| 11   | 4-644467-1    | 16M3933   |           | 0.64       | ---           | ---       | ---        |            |         |      |

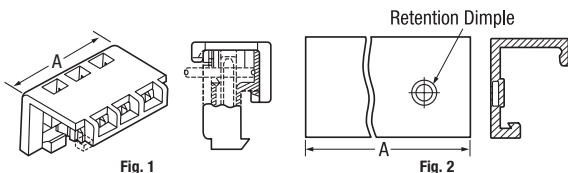
(32992)

AMP MTA-0.156" TOOLING

| Mfg. Part No. | Description  | Stock No. | Price 1-4 |
|---------------|--|-----------|-----------|
| 58074-1       | Pistol Grip Hand Tool for Metal and All-Plastic Shell Connectors (Order Type 58247-1 Crimp Die Separately Below) | 50F783    | 109.33    |
| 58247-1       | Crimp Die for MTA-0.156" Receptacles (Use with Type 58074-1 Hand Tool)   | 50F786    | 169.94    |
| 59804-1       | MTA-156 T-Handle Maintenance Tool  | 50F732    | 22.31     |
| 91512-1       | MATE-N-LOCK® Crimp Tool with Die Set for 24-88 AWG   | 73C0405   | ---       |
| 91528-1       | Crimp Tool with Die  | 49H6533   | 718.40    |

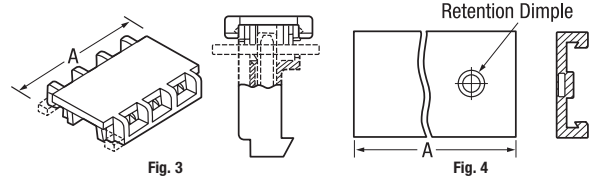
(32993)

AMP MTA 0.156" (3.96) CONNECTOR ACCESSORIES



CONTINUED

AMP MTA 0.156" (3.96) CONNECTOR ACCESSORIES (CONT.)



Closed-end or feed-thru strain relief covers and dust covers for use with MTA 0.156" connectors; order separately on pages 757-758 and on pages 759-760.

CLOSED-END STRAIN RELIEF COVERS - FIG. 1

| Mfg. Part No. | Circuits | Dim. A in. (mm) | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-49       | 50-99 |
| 643067-2      | 2        | 0.312 (7.92)    | 90F4677   | 0.36       | 0.31  |
| 643067-3      | 3        | 0.468 (11.89)   | 90F4678   | 0.62       | 0.60  |
| 643067-4      | 4        | 0.624 (15.85)   | 90F4679   | 0.45       | 0.45  |
| 643067-5      | 5        | 0.780 (19.81)   | 90F4680   | 0.69       | 0.67  |
| 643067-6      | 6        | 0.936 (23.77)   | 90F4681   | 0.47       | 0.47  |
| 643067-8      | 8        | 1.248 (31.70)   | 90F4039   | 0.58       | 0.58  |
| 643067-9      | 9        | 1.404 (35.66)   | 66F1600   | 0.57       | 0.57  |
| 1-643067-0    | 10       | 1.560 (39.62)   | 66F1580   | 0.49       | 0.49  |
| 1-643067-1    | 11       | 1.716 (43.59)   | 10H2198   | 0.72       | 0.69  |
| 1-643067-2    | 12       | 1.872 (47.55)   | 90F4040   | 0.54       | 0.54  |

CLOSED-END DUST COVERS - FIG. 2

White polyester, rate UL 94V-0. Used for MTA-156 connectors.

| Mfg. Part No. | Circuits | Dim. A in. (mm) | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-49       | 50-99 |
| 640551-2      | 2        | 0.312 (7.92)    | 11C0926   | 0.14       | 0.12  |
| 640551-3      | 3        | 0.468 (11.89)   | 90F4044   | 0.16       | 0.14  |
| 640551-4      | 4        | 0.624 (15.85)   | 50H6807   | 0.16       | 0.16  |
| 640551-5      | 5        | 0.780 (19.81)   | 85C3147   | 0.15       | 0.13  |
| 640551-6      | 6        | 0.936 (23.77)   | 90F5372   | 0.23       | 0.20  |
| 640551-7      | 7        | 1.092 (27.74)   | 90F5373   | 0.14       | 0.14  |
| 640551-8      | 8        | 1.248 (31.70)   | 16H2625   | 0.22       | 0.20  |
| 640551-9      | 9        | 1.404 (35.66)   | 90F5374   | 0.22       | 0.20  |
| 1-640551-0    | 10       | 1.560 (39.62)   | 90F5375   | 0.24       | 0.22  |
| 1-640551-2    | 12       | 1.872 (47.55)   | 90F5376   | 0.32       | 0.29  |

FEED-THRU STRAIN RELIEF COVERS - FIG. 3

White nylon, rated UL 94V-2. Used for MTA-156 connectors.

| Mfg. Part No. | Circuits | Dim. A in. (mm) | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-49       | 50-99 |
| 643071-2      | 2        | 0.312 (7.92)    | 13C5694   | 0.17       | 0.17  |
| 643071-3      | 3        | 0.468 (11.89)   | 48F1913   | 0.24       | 0.22  |
| 643071-4      | 4        | 0.624 (15.85)   | 48F1914   | 0.37       | 0.37  |
| 643071-8      | 8        | 1.248 (31.70)   | 07H3147   | 0.52       | 0.47  |
| 1-643071-2    | 12       | 1.872 (47.55)   | 48F1917   | 0.60       | 0.60  |

FEED-THRU DUST COVERS - FIG. 4

White polyester, rate UL 94V-0. Used for MTA-156 connectors.

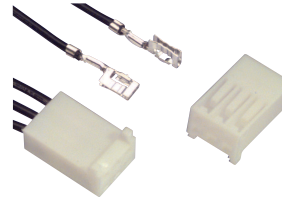
| Mfg. Part No. | Circuits | Dim. A in. (mm) | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-49       | 50-99 |
| 640643-7      | 7        | 1.092 (27.74)   | 51F1479   | ---        | ---   |
| 640643-8      | 8        | 1.248 (31.70)   | 51F1480   | 0.20       | 0.19  |

(75513)

AMP CST-100 CRIMP HOUSINGS, CONTACTS AND TOOLING



- Voltage rating: 250 V
- Current: 4 A maximum
- Wire range: 22-26 AWG
- Operating temperature: -55°C to +105°C



Low-cost wire-to-board interconnections mate with MTA notched headers that are available; go online or call. White nylon housings, rated UL 94V-0, feature locking ramp and polarized tab. Accept phosphor bronze crimp contacts in choice of tin or 15µ" gold plating; order separately below. Not interchangeable with CST-100 II contacts and housings. Mates with all MTA 0.100" headers except MTA 0.100" shrouded headers; order separately on pages 755-756.

CST-100 CRIMP HOUSINGS - WHITE

| Mfg. Part No. | Circuits | Dim. A         | Stock No. | Price Each |       |
|---------------|----------|----------------|-----------|------------|-------|
|               |          |                |           | 1-24       | 25-99 |
| 770602-3      | 3        | 0.320" (8.13)  | 66F3096   | 0.15       | 0.12  |
| 770602-4      | 4        | 0.420" (10.67) | 66F3280   | 0.21       | 0.16  |
| 770602-7      | 7        | 0.720" (18.29) | 52F5147   | 0.33       | 0.28  |
| 1-770602-1    | 11       | 1.120" (28.45) | 24C0673   | 0.35       | 0.30  |
| 1-770602-6    | 16       | 1.620" (41.15) | 10H3554   | 0.58       | 0.55  |

CST-100 II CRIMP HOUSINGS - WHITE

| Mfg. Part No. | Circuits | Dim. A         | Stock No. | Price Each |       |
|---------------|----------|----------------|-----------|------------|-------|
|               |          |                |           | 1-24       | 25-99 |
| 1375820-2     | 2        | 0.220" (5.59)  | 85C1046   | 0.11       | 0.08  |
| 1375820-3     | 3        | 0.320" (8.13)  | 85C1047   | 0.16       | 0.12  |
| 1375820-4     | 4        | 0.420" (10.67) | 85C1048   | 0.21       | 0.17  |
| 1375820-5     | 5        | 0.520" (13.21) | 85C1049   | 0.23       | 0.20  |

CONTINUED

AMP CST-100 CRIMP HOUSINGS, CONTACTS AND TOOLING (CONT.)

CST-100 II CRIMP HOUSINGS - WHITE

| Mfg. Part No. | Circuits | Dim. A         | Stock No. | Price Each |       |
|---------------|----------|----------------|-----------|------------|-------|
|               |          |                |           | 1-24       | 25-99 |
| ● 1375820-6   | 6        | 0.620" (15.75) | 85C1050   | 0.28       | 0.23  |
| ● 1375820-7   | 7        | 0.720" (18.29) | 85C1051   | 0.23       | 0.21  |
| ● 1375820-8   | 8        | 0.820" (20.83) | 85C1052   | 0.26       | 0.22  |
| ● 1-1375820-0 | 10       | 1.020" (25.91) | 86C3181   | 0.45       | 0.36  |
| ● 1-1375820-2 | 12       | 1.220" (30.99) | 86C3182   | 0.44       | 0.37  |
| ● 1-1375820-4 | 14       | 1.420" (36.07) | 86C3183   | 0.45       | 0.38  |

CST-100 II CRIMP CONTACTS

| Mfg. Part No. | AWG   | Plating | Stock No. | Price Each |       |
|---------------|-------|---------|-----------|------------|-------|
|               |       |         |           | 1-24       | 25-99 |
| ● 1445336-1   | 26-22 | Tin     | 85C1053   | 0.10       | 0.09  |
| ● 1375819-1*  | 26-22 | Tin     | 11H3150   | 0.07       | 0.05  |
| ● 770666-1*   | 26-22 | Tin     | 66F3290   | 0.08       | 0.07  |
| ● 770666-2*   | 26-22 | Gold    | 88F4239   | 0.59       | 0.59  |
| ● 1445336-2   | 26-22 | Gold    | 85C1054   | 0.23       | 0.23  |

\* Strip form, Sold individually

CST-100 II TOOLING

| Mfg. Part No. | Description  | Stock No. | Price Each |
|---------------|--|-----------|------------|
| 58517-1       | PRO CRIMPER™ II Hand Tool with Die for CST-100 II            | 48F1943   | 379.29     |
| 354940-1      | PRO CRIMPER™ II Hand Tool (Frame/Handle Only) for CST-100 II | 96F6512   | 60.50      |

(92991)

AMP 2MM COMMON TERMINATION (CT) CONNECTORS



Vertical Post Header



Right-Angle Post Header



Receptacle Housing

Mass termination post headers available in vertical and right-angle configurations. Feature tin-lead plated posts. Receptacle housings accept tin-plated brass crimp contacts; order separately below. Housings constructed of 66 nylon, rated UL94V-0. Color: natural. Other contact positions available; go online or call

VERTICAL STANDARD TYPE POST HEADERS

| Mfg. Part No. | No. of Positions | Stock No. | Price Each |       |
|---------------|------------------|-----------|------------|-------|
|               |                  |           | 1-24       | 25-99 |
| ● 292161-2    | 2                | 26K5436   | 0.17       |       |
| ● 292161-3    | 3                | 31K8549   | 0.35       |       |
| ● 292161-4    | 4                | 19K5981   | 0.29       |       |
| ● 292161-6    | 6                | 30K5673   | 0.34       |       |
| ● 292161-7    | 7                | 56K8061   | 0.50       |       |
| ● 292161-8    | 8                | 88K3147   | 0.56       |       |
| ● 292161-9    | 9                | 03M5819   | 0.41       |       |
| ● 1-292161-0  | 10               | 09J3991   | 0.48       |       |

VERTICAL BOX TYPE POST HEADERS

|            |   |         |      |
|------------|---|---------|------|
| ● 292132-2 | 2 | 21K4796 | 0.32 |
|------------|---|---------|------|

RIGHT-ANGLE POST HEADERS

|              |    |         |        |
|--------------|----|---------|--------|
| ● 292253-2   | 2  | 66K6463 | 0.19   |
| ● 292253-3   | 3  | 31K8550 | 0.25   |
| ● 292253-4   | 4  | 72J8064 | 0.31   |
| ● 292253-5   | 5  | 71J0390 | 0.46   |
| ● 292253-6   | 6  | 71M0788 | ---    |
| ● 292253-7   | 7  | 53K4170 | 0.40   |
| ● 292253-8   | 8  | 71M0789 | 149.67 |
| ● 1-292253-2 | 12 | 26K3317 | 0.95   |

PANEL MOUNT HEADERS

|            |   |         |      |
|------------|---|---------|------|
| ● 292254-2 | 2 | 78K5062 | 0.25 |
|------------|---|---------|------|

CRIMP RECEPTACLE HOUSINGS

| Mfg. Part No. | No. of Positions | Stock No. | Price Each |       |
|---------------|------------------|-----------|------------|-------|
|               |                  |           | 1-24       | 25-99 |
| ● 179228-2    | 2                | 98B7803   | 0.13       |       |
| ● 179228-3    | 3                | 94C2919   | 0.22       |       |
| ● 179228-4    | 4                | 01H1299   | 0.12       |       |
| ● 179228-6    | 6                | 12H0057   | ---        |       |
| ● 175778-3    | 3                | 87H8301   | 0.08       |       |

IDC RECEPTACLE HOUSINGS

| Mfg. Part No. | No. of Positions | Stock No. | Price Each |       |
|---------------|------------------|-----------|------------|-------|
|               |                  |           | 1-24       | 25-99 |
| ● 173977-2    | 2                | 92F8369   | 0.22       |       |
| ● 173977-3    | 3                | 52F3025   | 0.14       |       |

▶ CONTINUED ▶

AMP 2MM COMMON TERMINATION (CT) CONNECTORS (CONT.)

IDC RECEPTACLE HOUSINGS

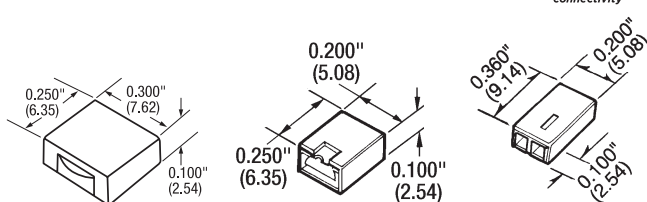
| Mfg. Part No. | No. of Positions | Stock No. | Price Each |       |
|---------------|------------------|-----------|------------|-------|
|               |                  |           | 1-24       | 25-99 |
| ● 173977-6    | 6                | 98B8694   | 0.60       |       |
| ● 173977-7    | 7                | 89C1411   | 0.32       |       |
| ● 173977-8    | 8                | 93B5407   | 0.55       |       |
| ● 173977-9    | 9                | 23C6450   | 0.62       |       |
| ● 1-173977-1  | 11               | 23C6446   | 0.68       |       |
| ● 1-173977-2  | 12               | 23C6447   | 0.60       |       |
| ● 1-173977-5  | 15               | 04H0798   | 0.54       |       |

CRIMP CONTACTS — 20-26 AWG

| Mfg. Part No. | Stock No. | Price Each |         |
|---------------|-----------|------------|---------|
|               |           | 1-499      | 500-999 |
| ● 179227-1    | 94C2924   | 0.04       |         |
| ● 170262-1    | 92F8378   | 0.07       |         |

(74249)

AMP 2-POSITION POST SHUNTS



- Stackable on 0.100" or 0.200" Centers
- Current Rating: 3 A Max.
- Dielectric Withstanding Voltage: 1000 VAC Min.
- Black Housing, Rated UL 94V-0
- UL Recognized, CSA Certified

1-piece contact construction with high normal forces. Mate any common pairs of 0.025" square or round posts, or 0.22" x 0.026" formed posts. Sold in strips of 10.

ECONOMY — 0.100" (2.54) CENTERLINE

| Mfg. Part No. | Plating   | Stock No. | Price Each |         |
|---------------|-----------|-----------|------------|---------|
|               |           |           | 1-499      | 500-999 |
| ● 382811-6    | 15µ" Gold | 91C5937   | 0.06       |         |
| ● 382811-8    | 30µ" Gold | 52F5498   | 0.06       |         |
| ● 2-382811-1  | Tin       | 52K3458   | 0.06       |         |
| ● 1-382811-6  | 15µ" Gold | 09H9320   | 0.50       |         |
| ● 382811-2    | 15µ" Gold | 33B8307   | 0.62       |         |
| ● 382811-9    | 15µ" Gold | 93B5496   | 0.23       |         |

DUAL-BEAM — 0.100" (2.54) CENTERLINE

|            |           |         |      |
|------------|-----------|---------|------|
| ● 390088-2 | 15µ" Gold | 48F5782 | 0.18 |
|------------|-----------|---------|------|

TANDEM SPRING — FOR 0.175" SHORT POSTS

|              |           |         |      |
|--------------|-----------|---------|------|
| ● 530153-2   | 30µ" Gold | 90F1808 | 0.60 |
| ● 4-530153-1 | Tin       | 52K4402 | 0.58 |

STANDARD HOUSING — 0.200" (5.08) CENTERLINE

|            |           |         |      |
|------------|-----------|---------|------|
| ● 531230-2 | 15µ" Gold | 91C5951 | 0.37 |
| ● 531230-3 | 30µ" Gold | 50F2410 | 0.90 |
| ● 531230-4 | Tin       | 52K3773 | 0.31 |

2mm MINI SHUNTS — 0.079" (2.00) CENTERLINE

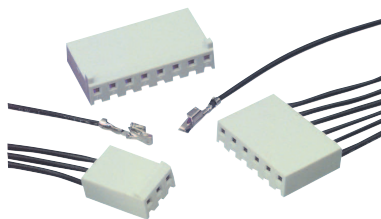
|            |           |         |      |
|------------|-----------|---------|------|
| ● 382575-2 | 15µ" Gold | 85C4987 | 0.17 |
|------------|-----------|---------|------|

HANDLE — 0.100" (2.54) CENTERLINE

|              |           |         |      |
|--------------|-----------|---------|------|
| ● 881545-2   | 30µ" Gold | 26H2523 | 0.14 |
| ● 4-881545-2 | Tin       | 78H0229 | 0.14 |

(7984)

AMP SL-156 HOUSINGS AND CONTACTS



- Contact Centerline Spacing: 0.156" (3.96)
- Crimp Wire Termination
- Mating Connector Lock
- Cable Exit Angle: 180°
- Housing Material/Flammability Rating: Nylon/UL 94V-0

▶ CONTINUED ▶

## PC BOARD HEADERS & SOCKETS

### AMP SL-156 HOUSINGS AND CONTACTS (CONT.)

Perfect for gaming and household appliance applications.

#### HOUSINGS WITH RAMP - NO TABS

| Mfg. Part No. | Circuits | Length         | Stock No. | Price Each |       |
|---------------|----------|----------------|-----------|------------|-------|
|               |          |                |           | 1-9        | 10-99 |
| ● 640250-1    | 1        | 0.308" (7.82)  | 48F1934   | 0.09       |       |
| ● 640250-2    | 2        | 0.308" (7.82)  | 90F4295   | 0.18       |       |
| ● 640250-3    | 3        | 0.465" (11.81) | 90F4296   | 0.18       |       |
| ● 640250-4    | 4        | 0.620" (15.75) | 90F4297   | 0.21       |       |
| ● 640250-5    | 5        | 0.777" (19.74) | 90F4298   | 0.17       |       |
| ● 640250-6    | 6        | 0.933" (23.70) | 90F4299   | 0.32       |       |
| ● 640250-7    | 7        | 1.090" (27.69) | 90F4300   | 0.22       |       |
| ● 640250-8    | 8        | 1.246" (31.65) | 90F4301   | 0.56       |       |
| ● 640250-9    | 9        | 1.402" (35.61) | 90F4302   | 0.74       |       |
| ● 1-640250-0  | 10       | 1.558" (39.57) | 90F4303   | 0.78       |       |
| ● 1-640250-2  | 12       | 1.871" (47.52) | 90F4305   | 0.69       |       |
| ● 1-640250-3  | 13       | 2.027" (51.49) | 66F3011   | 0.83       |       |
| ● 1-640250-4  | 14       | 2.183" (55.45) | 99F4127   | 0.56       |       |
| ● 1-640250-6  | 16       | 2.496" (63.40) | 13C2587   | 0.85       |       |

#### HOUSINGS WITHOUT RAMP - NO TABS

|              |    |                |         |      |  |
|--------------|----|----------------|---------|------|--|
| ● 640251-1   | 1  | 0.308" (7.82)  | 90F4308 | 0.10 |  |
| ● 640251-3   | 3  | 0.465" (11.81) | 90F4310 | 0.14 |  |
| ● 640251-4   | 4  | 0.620" (15.75) | 90F4311 | ---  |  |
| ● 640251-5   | 5  | 0.777" (19.74) | 90F4312 | 0.17 |  |
| ● 640251-6   | 6  | 0.933" (23.70) | 90F4313 | 0.30 |  |
| ● 640251-8   | 8  | 1.246" (31.65) | 90F4315 | 0.33 |  |
| ● 640251-9   | 9  | 1.402" (35.61) | 90F4316 | 0.45 |  |
| ● 1-640251-0 | 10 | 1.558" (39.57) | 90F4317 | 0.49 |  |
| ● 1-640251-2 | 12 | 1.871" (47.52) | 90F4319 | 0.56 |  |
| ● 1-640251-3 | 13 | 2.027" (51.49) | 90F4320 | 0.60 |  |

#### HOUSINGS WITHOUT RAMP - WITH POLARIZING TABS

|              |    |                |         |      |  |
|--------------|----|----------------|---------|------|--|
| ● 770849-2   | 2  | 0.308" (7.82)  | 97B0223 | 0.16 |  |
| ● 770849-3   | 3  | 0.465" (11.81) | 95B0239 | 0.12 |  |
| ● 770849-4   | 4  | 0.620" (15.75) | 95B0238 | 0.20 |  |
| ● 770849-5   | 5  | 0.777" (19.74) | 34B1846 | 0.29 |  |
| ● 770849-6   | 6  | 0.933" (23.70) | 92B9996 | 0.22 |  |
| ● 770849-7   | 7  | 1.090" (27.69) | 52F5148 | 0.25 |  |
| ● 770849-8   | 8  | 1.246" (31.65) | 98B6557 | 0.33 |  |
| ● 770849-9   | 9  | 1.402" (35.61) | 91C5108 | 0.50 |  |
| ● 1-770849-0 | 10 | 1.558" (39.57) | 93C9786 | 0.43 |  |
| ● 1-770849-1 | 11 | 1.715" (43.56) | 10H3565 | 0.44 |  |
| ● 1-770849-2 | 12 | 1.871" (47.52) | 27C1563 | 0.49 |  |
| ● 1-770849-3 | 13 | 2.027" (51.49) | 50H7678 | 0.60 |  |
| ● 1-770849-6 | 16 | 2.496" (63.40) | 10H3567 | 0.76 |  |

#### CRIMP SOCKET CONTACTS - 6.5 AMP

| Mfg. Part No. | Package | Stock No. | Price Each |         |
|---------------|---------|-----------|------------|---------|
|               |         |           | 1-99       | 100-999 |
| ● 3-640706-1  | Loose   | 52K4364   | 0.26       |         |
| ● 640706-2    | Loose   | 66F3337   | 0.22       |         |
| ● 640252-2    | Strip   | 50B619    | 0.04       |         |
| ● 3-640252-1  | Strip   | 35M4434   | 0.07       |         |
| ● 3-640707-1  | Loose   | 52K3550   | 0.30       |         |
| ● 3-350980-1  | Strip   | 52K4327   | 0.06       |         |
| ● 350980-2    | Strip   | 90F3788   | 0.06       |         |
| ● 770258-1    | Loose   | 90F3995   | 0.42       |         |

#### HOODED, DUAL WIPE, CRIMP SOCKET CONTACTS - 10 AMP

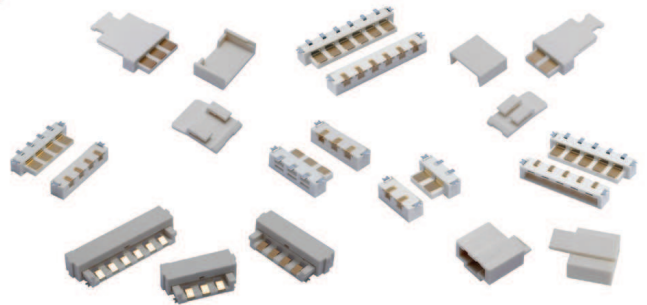
|              |       |         |      |  |
|--------------|-------|---------|------|--|
| ● 3-770476-1 | Strip | 52K4382 | 0.09 |  |
| ● 3-770522-1 | Loose | 87K2233 | 0.26 |  |
| ● 770522-2   | Loose | 16H5765 | 0.32 |  |
| ● 770476-2   | Strip | 02E8739 | 0.29 |  |

#### ACCESSORIES

| Mfg. Part No. | Description       | Package | Stock No. | Price Each |       |
|---------------|-------------------|---------|-----------|------------|-------|
|               |                   |         |           | 1-24       | 25-99 |
| ● 640254-1    | Flush Keying Plug | Loose   | 90F4065   | 0.08       |       |
| ● 641623-1    | Flush Keying Plug | Strip   | 90F4052   | 0.06       |       |

(32996)

### 9159 SERIES SOLID STATE LIGHTING CONNECTORS



PCB mount connectors provides board-to-board connection with zero gap between boards and feature anchor brackets for additional anchoring to PCB. PCB top-loading sockets are designed to be used in an end to end strip configuration and allows the fitting and removal of a PCB in a line of connected PCB's without the disassembly of the entire row of PCB's. A sliding top cover allows the plug to be inserted and removed vertically. A special shorting link is available to fit at the end of a PCB strip section to short the final 2 contacts and provide a return loop allowing the use of the same PCB's throughout and simply shorting the link on the last plug to complete the circuit. A cover is available for wiremount plugs to protect the soldered contacts and prevent tampering or touching of the soldered contact joint. A latch is available for wiremount plugs which securely locks the mating plug connector to the mating socket. The latch should be centrally mounted in the connector.

#### RIGHT ANGLE PCB PLUG - SURFACE MOUNT

| Mfg. Part No.     | No. of Positions | Stock No. | Price Each |       |
|-------------------|------------------|-----------|------------|-------|
|                   |                  |           | 1-9        | 10-99 |
| ● 109159002101116 | 2                | 58R3812   | 0.51       | 0.41  |
| ● 109159003101116 | 3                | 58R3813   | 0.56       | 0.43  |
| ● 109159004101116 | 4                | 58R3814   | 0.72       | 0.58  |
| ● 109159005101116 | 5                | 58R3815   | 0.73       | 0.59  |
| ● 109159006101116 | 6                | 58R3816   | 0.78       | 0.60  |

#### WIREMOUNT PLUG - SOLDER BUCKET

|                   |   |         |      |      |
|-------------------|---|---------|------|------|
| ● 119159002101116 | 2 | 58R3817 | 0.93 | 0.71 |
| ● 119159003101116 | 3 | 58R3818 | 0.66 | 0.60 |
| ● 119159004101116 | 4 | 58R3819 | 0.75 | 0.68 |
| ● 119159005101116 | 5 | 58R3820 | 0.84 | 0.76 |
| ● 119159006101116 | 6 | 58R3821 | 0.88 | 0.74 |

#### RIGHT ANGLE PCB SOCKET - SURFACE MOUNT

|                   |   |         |      |      |
|-------------------|---|---------|------|------|
| ● 209159002101116 | 2 | 58R3822 | 0.70 | 0.56 |
| ● 209159003101116 | 3 | 58R3823 | 0.79 | 0.63 |
| ● 209159004101116 | 4 | 58R3824 | 0.94 | 0.76 |
| ● 209159005101116 | 5 | 58R3825 | 1.08 | 0.87 |
| ● 209159006101116 | 6 | 58R3826 | 1.23 | 0.99 |

#### TOP LOADING RIGHT ANGLE PCB SOCKET - SURFACE MOUNT

|                   |   |         |      |      |
|-------------------|---|---------|------|------|
| ● 229159002101116 | 2 | 58R3827 | 0.73 | 0.59 |
| ● 229159003101116 | 3 | 58R3828 | 0.78 | 0.63 |
| ● 229159004101116 | 4 | 58R3829 | 1.01 | 0.81 |
| ● 229159005101116 | 5 | 58R3830 | 1.08 | 0.87 |
| ● 229159006101116 | 6 | 58R3831 | 1.23 | 0.99 |

#### ACCESSORIES

| Mfg. Part No.     | Description     | For Use With                 | Stock No. | Price Each |       |
|-------------------|-----------------|------------------------------|-----------|------------|-------|
|                   |                 |                              |           | 1-9        | 10-99 |
| ● 589159002000006 | Shorting Socket | 2 Position PCB Plug          | 58R3832   | 0.98       |       |
| ● 609159330201000 | Cover           | 2 Position Wire Plug         | 52R7547   | 0.12       |       |
| ● 609159330301000 | Cover           | 3 Position Wire Plug         | 52R7548   | 0.12       |       |
| ● 609159330401000 | Cover           | 4 Position Wire Plug         | 52R7549   | 0.12       |       |
| ● 609159330501000 | Cover           | 5 Position Wire Plug         | 52R7550   | 0.12       |       |
| ● 609159330601000 | Cover           | 2 Position Wire Plug         | 52R7551   | 0.12       |       |
| ● 609159340201000 | Latch           | 2, 4, & 6 Position Wire Plug | 52R7552   | 0.25       |       |
| ● 609159340301000 | Latch           | 3, & 5 Position Wire Plug    | 52R7553   | 0.22       |       |

(164503)

Visit Newark's element14 community

Get inspired at our electronics community.  
Collaborate, design, research, ask experts questions.  
[www.element14.com](http://www.element14.com)

(196545)



**9276 SERIES DISCRETE WIRE-TO-BOARD POKE-HOME CONNECTORS**

**NEW**

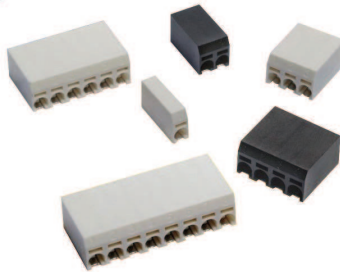


**Applications**

- Connecting discrete wire components directly to the PCB
- Bringing power and signals onto a PCB
- Daisy chaining PCB's together to create a continuous string of boards

**Features**

- Simple strip, insert and removal design
- SMT RoHS termination to the PCB with minimal footprint
- Accepts 18-24 AWG Solid and Stranded wires
- Expanded size offering to maximize application potential; 1, 2, 3, 4, 6 & 8 positions
- High spring force top contact provides a lance type retention to capture and retain the wire
- Insulator Material: Glass-Filled Nylon 46; UL94V0
- Contact Material: Tin plated Beryllium Copper / Phosphor bronze
- Replacibility: 5 Cycles



- Operating Temperature: -40°C to +125°C
- Current Rating: 6 A per contact
- Voltage Rating: 250 VAC

The new 9276 series connector provides a quick and reliable wire-to-board termination in a sleek 2.5mm pitch SMT package for a broad range of industrial and commercial markets. The 9276 series connectors are terminated by simply stripping the wire and inserting them into the connector making it termination friendly within the factory as well as in the field. Developed for harsh industrial and Solid State Lighting (SSL) applications, the connector was designed with a high spring force Beryllium Copper upper spring contact to accept 18-24 AWG solid or stranded wire to meet multiple applications with a single connector. The dual-contact design enables a maximize current rating of 6 Amps with minimal PCB spaceand provides two solder points for each wire eliminating the need for external anchor tabs. A small insertion/extraction tool allows the wires to easily be replaced up to 5 times.

| Mfg. Part No.       | No. of Positions | Color | Wire Size (AWG) | Stock No. | Price Each |
|---------------------|------------------|-------|-----------------|-----------|------------|
|                     |                  |       |                 |           | 1-99       |
| 00 9276 001 021 106 | 1                | White | 24-18           | 25T0224   | 0.39       |
| 00 9276 002 021 106 | 2                | White | 24-18           | 25T0225   | 0.49       |
| 00 9276 003 021 106 | 3                | White | 24-18           | 25T0226   | 0.60       |
| 00 9276 004 021 106 | 4                | White | 24-18           | 25T0227   | 0.71       |
| 00 9276 006 021 106 | 6                | White | 24-18           | 25T0228   | 0.67       |
| 00 9276 008 021 106 | 8                | White | 24-18           | 25T0229   | 1.13       |

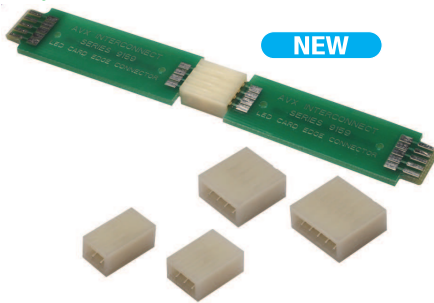
(192411)

**9159 SERIES BOARD-TO-BOARD CONNECTORS**



**NEW**

The 9159 series board-to-board connectors are designed for daisy chaining multiple LED boards together in series. The simple 1 piece card edge style connector mates 1.60mm thick PCBs together. The key features and benefits of these new board-to-board connectors include simple and cost effective double ended card edge connection on a 2.0mm pitch and provides multiple connections to tin plated fingers at the end of each PCB.



| Mfg. Part No.   | Positions | Stock No. | Price Each |
|-----------------|-----------|-----------|------------|
|                 |           |           | 1-249      |
| 009159002001106 | 2         | 52R6987   | 0.55       |
| 009159003001106 | 3         | 52R6989   | 0.52       |
| 009159004001106 | 4         | 52R6991   | 0.78       |
| 009159005001106 | 5         | 52R6993   | 0.71       |

(150948)

**9176-400 AND 9176-500 SERIES DISCRETE WIRE IDC CONTACTS AND CAPS**



**NEW**

**Applications**

- Connecting discrete wire components directly to the PCB
- Bringing power and signals onto a PCB
- Daisy chaining PCB's together to create a continuous string of boards

**Features**

- IDC contact provides a gas-tight connection to the PCB for long term reliability
- Tested to automotive levels on shock, vibration and temperature cycling for reliability
- Reduced total applied cost versus solder or crimp processes
- Individual contacts can be located anywhere on the PCB based on specific application
- Wires can be removed and replace up to three times.
- Optional cap provides a positive strain relief even in the harshest conditions.



The new single contact 9176-400 and 9176-500 series of surface mount IDC connectors were developed for connecting individual wires directly to a PCB ranging from 18-24 AWG. This industry proven contact system has been tested to automotive levels of shock, vibration, and temperature cycling to prove their reliability and robustness. The

➔ CONTINUED ➔

**9176-400 AND 9176-500 SERIES DISCRETE WIRE IDC CONTACTS AND CAPS (CONT.)**

simplicity of inserting a wire into an SMT contact with a small tool or optional retention/termination cap allows connection to a PCB without soldering. In SSL applications specifically, these contacts are used to bring power and signal onto the PCB or to daisy chain multiple boards together.

**9176-400 SERIES DISCRETE WIRE IDC CONTACTS**

The single 9176-400 series contact and cap accepts 22-24 AWG wires with an insulation diameter ranging from 1.0-1.5mm. These dual beam contacts support a 6A current rating with a large SMT solder base to provide maximum stability on the PCB.

| Mfg. Part No.   | Wire Size (AWG) | Current Rating (A) | Stock No. | Price Each |
|-----------------|-----------------|--------------------|-----------|------------|
| 709176001422006 | 22              | 6                  | 25T0909   | 0.23       |
| 709176001432006 | 24              | 6                  | 25T0910   | 0.23       |

**9176-500 SERIES DISCRETE WIRE IDC CONTACTS**

The single 9176-500 series contact and cap accepts 18-24 AWG wires with an insulation diameter ranging from 1.1-2.1mm. These dual beam contacts support a 10A current rating with a large SMT solder base to provide maximum stability on the PCB.

| Mfg. Part No.   | Wire Size (AWG) | Current Rating (A) | Stock No. | Price Each |
|-----------------|-----------------|--------------------|-----------|------------|
| 709176001501006 | 18              | 10                 | 25T0911   | 0.23       |
| 709176001511006 | 20              | 10                 | 25T0912   | 0.16       |
| 709176001522006 | 22              | 10                 | 25T0913   | 0.16       |
| 709176001532006 | 24              | 10                 | 25T0915   | 0.23       |

**ACCESSORY CAPS**

| Mfg. Part No.   | Color | Wire Size (AWG) | For Use With | Stock No. | Price Each |
|-----------------|-------|-----------------|--------------|-----------|------------|
| 609176001415100 | White | 24-22           | 9176-400     | 21T9013   | 0.21       |
| 609176001516100 | White | 24-22           | 9176-500     | 67R3969   | 0.21       |
| 609176001521100 | White | 20-18           | 9176-500     | 67R3971   | 0.14       |

(194483)

**9176 SERIES WIRE TO BOARD STRIP IDC CONNECTORS**



**NEW**

**Applications**

- PCB to PCB individual wire interconnect
- Device to PCB interconnect (LED Modules and LED Strips)

**Features**

- Small single row IDC
- Rated at 10 amps
- Insulators are end to end stackable for higher pin counts
- Uses simple hand tool for higher volume applications



The 9176 series from AVX offers customers the ability of connecting individual wires to a single row of contacts using IDC technology. Available as a 2 or 3 pin connector it is both low profile and has a small PCB footprint. The connector is SMT assembled to the PCB prior to assembly of the wire. Using a small application tool, the wires are then inserted into the contact slot. This process cuts the insulation and enables the individual conductors of the wire to form a homogeneous joint. The shape of the molding also forms a restraint to the wire when fully inserted in the contact. These connectors are supplied in tape and reel for easy pick and place. The wire options are 18 to 24 AWG stranded wire.

**IDC CONNECTORS**

| Mfg. Part No.   | No. of Positions | Color | Wire Size (AWG) | Stock No. | Price Each |
|-----------------|------------------|-------|-----------------|-----------|------------|
|                 |                  |       |                 |           | 1-9        |
| 009176002001006 | 2                | Black | 18              | 96M9206   | 1.00       |
| 009176002022006 | 2                | Black | 22              | 96M9208   | 1.03       |
| 009176002032006 | 2                | Black | 24              | 96M9209   | 1.03       |
| 009176002001106 | 2                | White | 18              | 52R7002   | 1.85       |
| 009176002011106 | 2                | White | 20              | 58R3807   | 0.82       |
| 009176002022106 | 2                | White | 22              | 58R3808   | 1.85       |
| 009176002032106 | 2                | White | 24              | 52R7004   | 0.82       |
| 009176003001006 | 3                | Black | 18              | 96M9210   | 1.94       |
| 009176003001106 | 3                | White | 18              | 52R7005   | 0.86       |
| 009176003011106 | 3                | White | 20              | 58R3809   | 0.86       |
| 009176003022106 | 3                | White | 22              | 58R3810   | 0.96       |
| 009176003032106 | 3                | White | 24              | 58R3811   | 0.86       |

**ACCESSORY CAPS**

| Mfg. Part No.   | No. of Positions | Color | Wire Size (AWG) | Type      | Stock No. | Price Each |
|-----------------|------------------|-------|-----------------|-----------|-----------|------------|
|                 |                  |       |                 |           |           | 1-9        |
| 609176002016100 | 2                | White | 24-22           | Thru Wire | 21T9014   | 0.28       |
| 609176002021100 | 2                | White | 20-18           | Thru Wire | 25T0904   | 0.30       |
| 609176003016100 | 3                | White | 24-22           | Thru Wire | 25T0905   | ---        |
| 609176003021100 | 3                | White | 20-18           | Thru Wire | 25T0907   | ---        |
| 609176002016199 | 2                | White | 24-22           | Wire Stop | 25T0903   | 0.42       |
| 609176002021199 | 2                | White | 20-18           | Wire Stop | 21T9015   | 0.42       |
| 609176003016199 | 3                | White | 24-22           | Wire Stop | 25T0906   | ---        |
| 609176003021199 | 3                | White | 20-18           | Wire Stop | 25T0908   | 0.53       |

**TOOLING**

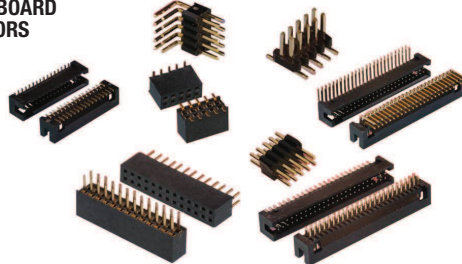
| Mfg. Part No.   | Description                   | Stock No. | Price Each |
|-----------------|-------------------------------|-----------|------------|
|                 |                               |           | 1-99       |
| 067000773001000 | Universal Hex Bit Tool Handle | 66M3312   | 19.51      |

(113810)

PC BOARD HEADERS & SOCKETS

MINITEK 127™ 1.27 mm BOARD-TO-BOARD & WIRE-TO-BOARD CONNECTORS

NEW



Minitek 127™ is an extensive modular range of connectors for all types of wire-to-board and board-to-board applications. Interchangeable with other common designs. It includes straight, right angle, surface mount, and through hole mount versions and is available in positions up to 100.

VERTICAL UNSHROUDED HEADERS - SURFACE MOUNT

| Mfg Part No.        | Positions | Plating   | Stock No. | Price Each |  |
|---------------------|-----------|-----------|-----------|------------|--|
|                     |           |           |           | 1-24       |  |
| ● 2002121-00004C4LF | 4         | 10u" Gold | 58R3185   | 0.37       |  |
| ● 2002121-00006C4LF | 6         | 10u" Gold | 58R3186   | 0.57       |  |
| ● 2002121-00008C4LF | 8         | 10u" Gold | 58R3187   | 0.58       |  |
| ● 2002121-00010C4LF | 10        | 10u" Gold | 58R3188   | 0.86       |  |
| ● 2002121-00012C4LF | 12        | 10u" Gold | 58R3189   | 0.78       |  |
| ● 2002121-00016C4LF | 16        | 10u" Gold | 58R3190   | 0.98       |  |
| ● 2002121-00020C4LF | 20        | 10u" Gold | 58R3191   | 1.19       |  |

VERTICAL SHROUDED HEADERS - SURFACE MOUNT

|                      |    |           |         |      |  |
|----------------------|----|-----------|---------|------|--|
| ● 20021221-00006C4LF | 6  | 10u" Gold | 58R3192 | 0.82 |  |
| ● 20021221-00010C4LF | 10 | 10u" Gold | 58R3193 | 0.86 |  |
| ● 20021221-00012C4LF | 12 | 10u" Gold | 58R3194 | 0.91 |  |
| ● 20021221-00016C4LF | 16 | 10u" Gold | 58R3195 | 1.09 |  |
| ● 20021221-00020C4LF | 20 | 10u" Gold | 58R3196 | 1.30 |  |

VERTICAL HEADERS - THROUGH HOLE

|                      |    |           |         |      |  |
|----------------------|----|-----------|---------|------|--|
| ● 20021111-00006T4LF | 6  | 10u" Gold | 82R7562 | 0.29 |  |
| ● 20021111-00008T4LF | 8  | 10u" Gold | 82R7565 | 0.39 |  |
| ● 20021111-00010T4LF | 10 | 10u" Gold | 82R7568 | 0.66 |  |
| ● 20021111-00012T4LF | 12 | 10u" Gold | 82R7571 | 0.70 |  |
| ● 20021111-00016T4LF | 16 | 10u" Gold | 82R7577 | 0.92 |  |
| ● 20021111-00020T4LF | 20 | 10u" Gold | 82R7583 | 1.16 |  |

VERTICAL SHROUDED HEADERS - THROUGH HOLE

|                      |    |           |         |      |  |
|----------------------|----|-----------|---------|------|--|
| ● 20021611-00006T4LF | 6  | 10u" Gold | 82R9557 | 1.25 |  |
| ● 20021611-00010T4LF | 10 | 10u" Gold | 82R9560 | 1.34 |  |
| ● 20021611-00012T4LF | 12 | 10u" Gold | 82R9563 | 1.39 |  |
| ● 20021611-00016T4LF | 16 | 10u" Gold | 82R9569 | 1.49 |  |
| ● 20021611-00020T4LF | 20 | 10u" Gold | 82R9572 | 1.61 |  |
| ● 20021611-00026T4LF | 26 | 10u" Gold | 82R9575 | 1.72 |  |
| ● 20021611-00050T4LF | 50 | 10u" Gold | 82R9590 | 3.30 |  |

RIGHT ANGLE HEADERS - SURFACE MOUNT

|                      |    |           |         |      |  |
|----------------------|----|-----------|---------|------|--|
| ● 20021122-00010T4LF | 10 | 10u" Gold | 82R8162 | 0.73 |  |
| ● 20021122-00012T4LF | 12 | 10u" Gold | 82R8168 | 1.15 |  |
| ● 20021122-00016T4LF | 16 | 10u" Gold | 82R8180 | 1.17 |  |
| ● 20021122-00020T4LF | 20 | 10u" Gold | 82R8192 | 1.45 |  |

RIGHT ANGLE HEADERS - THROUGH HOLE

|                      |    |           |         |      |  |
|----------------------|----|-----------|---------|------|--|
| ● 20021112-00006T4LF | 6  | 10u" Gold | 82R7706 | 0.59 |  |
| ● 20021112-00008T4LF | 8  | 10u" Gold | 82R7709 | 0.70 |  |
| ● 20021112-00010T4LF | 10 | 10u" Gold | 82R7712 | 0.87 |  |
| ● 20021112-00012T4LF | 12 | 10u" Gold | 82R7715 | 1.04 |  |
| ● 20021112-00016T4LF | 16 | 10u" Gold | 82R7721 | 1.32 |  |
| ● 20021112-00020T4LF | 20 | 10u" Gold | 82R7728 | 1.66 |  |

RIGHT ANGLE SHROUDED HEADERS - THROUGH HOLE

|                      |    |           |         |      |  |
|----------------------|----|-----------|---------|------|--|
| ● 20021612-00006T4LF | 6  | 10u" Gold | 82R9602 | 1.46 |  |
| ● 20021612-00010T4LF | 10 | 10u" Gold | 82R9605 | 2.01 |  |
| ● 20021612-00012T4LF | 12 | 10u" Gold | 82R9608 | 1.64 |  |
| ● 20021612-00016T4LF | 16 | 10u" Gold | 82R9614 | 1.78 |  |
| ● 20021612-00020T4LF | 20 | 10u" Gold | 82R9617 | 2.54 |  |
| ● 20021612-00026T4LF | 26 | 10u" Gold | 82R9620 | 2.58 |  |
| ● 20021612-00050T4LF | 50 | 10u" Gold | 82R9635 | 4.95 |  |

VERTICAL RECEPTACLES - SURFACE MOUNT

|                      |    |           |         |      |  |
|----------------------|----|-----------|---------|------|--|
| ● 20021321-00006C4LF | 6  | 10u" Gold | 58R3197 | 0.70 |  |
| ● 20021321-00008C4LF | 8  | 10u" Gold | 58R3198 | 0.75 |  |
| ● 20021321-00010C4LF | 10 | 10u" Gold | 58R3199 | 1.00 |  |
| ● 20021321-00012C4LF | 12 | 10u" Gold | 58R3200 | 1.17 |  |
| ● 20021321-00016C4LF | 16 | 10u" Gold | 58R3201 | 1.31 |  |
| ● 20021321-00020C4LF | 20 | 10u" Gold | 58R3202 | 1.47 |  |

CONTINUED

MINITEK 127™ 1.27 mm BOARD-TO-BOARD & WIRE-TO-BOARD CONNECTORS (CONT.)

VERTICAL RECEPTACLES - THROUGH HOLE

| Mfg Part No.         | Positions | Plating   | Stock No. | Price Each |  |
|----------------------|-----------|-----------|-----------|------------|--|
|                      |           |           |           | 1-24       |  |
| ● 20021311-00010T4LF | 10        | 10u" Gold | 82R8648   | 0.95       |  |
| ● 20021311-00012T4LF | 12        | 10u" Gold | 82R8651   | 0.87       |  |
| ● 20021311-00016T4LF | 16        | 10u" Gold | 82R8657   | 1.44       |  |
| ● 20021311-00020T4LF | 20        | 10u" Gold | 82R8663   | 1.80       |  |

WIRE-TO-BOARD RECEPTACLES - IDC/IDT

|                      |    |           |         |      |  |
|----------------------|----|-----------|---------|------|--|
| ● 20021444-00006T4LF | 6  | 10u" Gold | 82R9305 | 1.63 |  |
| ● 20021444-00010T4LF | 10 | 10u" Gold | 82R9311 | 2.31 |  |
| ● 20021444-00012T4LF | 12 | 10u" Gold | 82R9314 | 2.66 |  |
| ● 20021444-00016T4LF | 16 | 10u" Gold | 82R9320 | 3.64 |  |
| ● 20021444-00020T4LF | 20 | 10u" Gold | 82R9323 | 4.04 |  |
| ● 20021444-00026T4LF | 26 | 10u" Gold | 82R9326 | 3.26 |  |
| ● 20021444-00050T4LF | 50 | 10u" Gold | 82R9341 | 4.61 |  |

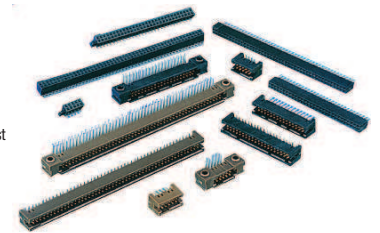
(164497)

RIB-CAGE™ 1.27mm (0.050") HIGH DENSITY BOARD-TO-BOARD CONNECTOR SYSTEM

NEW



- Housings: Glass-filled thermoplastic, UL94V-0, Color: Black
- Temperature Range: -55°C to +130°C
- Contacts: PCB Receptacles: Beryllium Copper; Pin Headers: Phosphor Bronze
- Contact Plating: 30u" Gold/GXT in Contact area; 100u (2.54um) Tin on tails
- Contact Resistance (LLCR): 20 mohm max initial; 25 mohm max after environmental test
- Current Rating: 1.0 amp DC per contact with all contacts energized (30 deg C Temp. Rise)
- Insulation Resistance: 50,000 Mohm min initial
- Withstanding Voltage: 800 VAC, RMS at 60 Hz
- Contact Durability: 200 mating cycles



Rib-Cage™ connectors optimize reliability in demanding applications. Rib-Cage™ is a versatile family of two-piece, two-row pin-and-socket connectors for right angle and mezzanine connections between printed circuit boards (PCB) or flexible printed circuits (FPC). Exclusive Rib-Cage™ multi-point, gold plated receptacle contacts provide optimal reliability in high vibration and shock-prone applications. High density 1.27mm (0.050") double row contact grid occupies only 20% of the volume of comparable 2.54mm 0.100" pitch systems. 6.42mm PCB stack height offers flexibility for mezzanine connection designs. Polarization prevents mis-mating.

PCB HEADERS - VERTICAL SURFACE MOUNT

| Mfg. Part No. | Positions | Height (mm) | Stock No. | Price Each |       |
|---------------|-----------|-------------|-----------|------------|-------|
|               |           |             |           | 1-24       | 25-99 |
| ● 87407-105LF | 10        | 5.62        | 06M2385   | 1.51       | 1.41  |
| ● 87409-110LF | 20        | 5.74        | 06M2389   | 1.48       | 1.36  |
| ● 87409-115LF | 30        | 5.74        | 06M2390   | 1.69       | 1.58  |
| ● 87409-120LF | 40        | 5.74        | 06M2392   | 2.09       | 2.09  |
| ● 87409-125LF | 50        | 5.74        | 06M2393   | 2.53       | 2.53  |
| ● 87409-130LF | 60        | 5.74        | 06M2395   | 3.13       | 2.73  |
| ● 87409-135LF | 70        | 5.74        | 06M2396   | 4.20       | 3.77  |
| ● 87409-140LF | 80        | 5.74        | 06M2397   | 5.75       | 5.32  |
| ● 73547-105LF | 10        | 9.25        | 75K4790   | 0.80       | 0.80  |
| ● 73547-110LF | 20        | 9.25        | 06M2047   | 1.10       | 1.10  |
| ● 73547-115LF | 30        | 9.25        | 72K3660   | 2.37       | 2.01  |
| ● 73547-120LF | 40        | 9.25        | 65K9784   | 3.22       | 2.72  |
| ● 73547-125LF | 50        | 9.25        | 06M2048   | 3.96       | 3.40  |
| ● 73547-130LF | 60        | 9.25        | 06M2049   | 2.94       | 2.52  |
| ● 73547-135LF | 70        | 9.25        | 60R0700   | ---        | ---   |
| ● 73547-140LF | 80        | 9.25        | 75K4791   | 5.29       | 5.29  |
| ● 73547-145LF | 90        | 9.25        | 60R0701   | ---        | ---   |
| ● 73547-150LF | 100       | 9.25        | 65K9785   | 6.26       | 6.26  |

PCB RECEPTACLES - VERTICAL SURFACE MOUNT

|               |    |      |         |      |      |
|---------------|----|------|---------|------|------|
| ● 87024-610LF | 20 | 4.75 | 06M2360 | 1.57 | 1.47 |
| ● 87024-615LF | 30 | 4.75 | 06M2363 | 2.11 | 2.11 |
| ● 87024-620LF | 40 | 4.75 | 06M2364 | 2.40 | 2.40 |
| ● 87024-625LF | 50 | 4.75 | 68K9076 | 3.85 | 3.85 |
| ● 87024-630LF | 60 | 4.75 | 06M2365 | 4.59 | 4.17 |
| ● 87024-635LF | 70 | 4.75 | 68K9078 | ---  | ---  |
| ● 87024-640LF | 80 | 4.75 | 06M2366 | 4.87 | 4.61 |

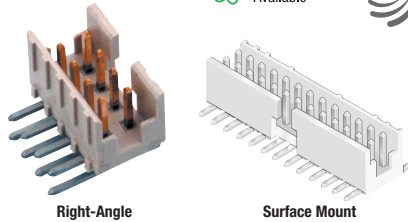
(139045)

**MINITEK™ 2.00mm (0.079") SHROUDED HEADERS**

**NEW**



Double-row 2.00 mm (0.079") shrouded headers available in thru-hole mount or surface mount versions. Both feature 15 µm gold plating on contact area, 150 µm tin-lead plating on tail. Other header variations are available; go online or call.



**THRU-HOLE MOUNT — PIN STYLE: 4 mm (0.157") MATING SIDE, 2.50 mm (0.09") SOLDER SIDE**

| Mfg. Part No.     | Positions | Plating   | Stock No. | Price Each |       |
|-------------------|-----------|-----------|-----------|------------|-------|
|                   |           |           |           | 1-24       | 25-99 |
| ● 98414-G06-06LF  | 6         | 30µ" Gold | 63K1869   | 0.49       |       |
| ● 98414-S06-10ULF | 10        | 15µ" Gold | 84K7258   | 0.77       |       |
| ● 98414-S06-12ULF | 12        | 15µ" Gold | 63K1890   | 0.97       |       |
| ● 98414-G06-14LF  | 14        | 30µ" Gold | 20M3308   | 1.58       |       |
| ● 98414-S06-20ULF | 20        | 15µ" Gold | 63K1892   | 1.56       |       |
| ● 98414-S06-44ULF | 44        | 15µ" Gold | 63K1896   | 2.48       |       |
| ● 98414-G06-44LF  | 44        | 30µ" Gold | 20M3321   | 3.13       |       |
| ● 98414-S06-50ULF | 50        | 15µ" Gold | 63K1897   | 2.99       |       |

**SURFACE MOUNT — PIN STYLE: 4 mm (0.157")**

|                   |    |           |         |      |  |
|-------------------|----|-----------|---------|------|--|
| ● 98424-G52-06LF  | 6  | 30µ" Gold | 84K7260 | 0.73 |  |
| ● 98424-S52-08ULF | 8  | 15µ" Gold | 63K1957 | 1.09 |  |
| ● 98424-S52-12ULF | 12 | 15µ" Gold | 63K1961 | 1.17 |  |
| ● 98424-S52-20ULF | 20 | 15µ" Gold | 63K1964 | 1.15 |  |
| ● 98424-S52-44ALF | 44 | 15µ" Gold | 63K1968 | 2.23 |  |

**SURFACE MOUNT — PIN STYLE: 4 mm (0.157") - TAPE AND REEL WITH PICK AND PLACE CAP**

|                   |    |           |         |      |  |
|-------------------|----|-----------|---------|------|--|
| ● 98424-S52-06ALF | 6  | 15µ" Gold | 63K1955 | 1.03 |  |
| ● 98424-G52-04ALF | 4  | 30µ" Gold | 63K1934 | 0.72 |  |
| ● 98424-G52-06ALF | 6  | 30µ" Gold | 06M2967 | 0.91 |  |
| ● 98424-G52-08ALF | 8  | 30µ" Gold | 43K4519 | 0.55 |  |
| ● 98424-G52-10ALF | 10 | 30µ" Gold | 63K1936 | 0.79 |  |
| ● 98424-G52-12ALF | 12 | 30µ" Gold | 84K7261 | 0.87 |  |
| ● 98424-G52-14ALF | 14 | 30µ" Gold | 63K1938 | 1.08 |  |
| ● 98424-G52-16ALF | 16 | 30µ" Gold | 63K1940 | 1.16 |  |
| ● 98424-G52-20ALF | 20 | 30µ" Gold | 63K1943 | 1.12 |  |
| ● 98424-G52-44ALF | 44 | 30µ" Gold | 63K1950 | 2.43 |  |

**THRU-HOLE MOUNT, RIGHT-ANGLE — PIN STYLE: 4 mm (0.157") MATING SIDE, 2.50 mm (0.09") SOLDER SIDE**

|                   |    |           |         |      |  |
|-------------------|----|-----------|---------|------|--|
| ● 98464-S61-20ULF | 20 | 15µ" Gold | 06M3022 | 2.60 |  |
|-------------------|----|-----------|---------|------|--|

**MINITEK™ 2.00mm (0.079") EJECT LATCH HEADERS**



Double-row 2.00 mm (0.079") eject latch headers securely latch the receptacle in place and also enables simple ejection. Four walled shielding protects pins in unmated condition. To prevent mismatching, the eject latch header is equipped with polarization keys. Recessed pins ensure proper alignment, eliminate damage during mating, and maintain high pin retention to the housing during repeated mating cycles. The eject latch header has a very compact product design. It is made from thermoplastic compatible with reflow applications. The latches are specifically designed to minimize space requirements on the printed circuit board. The part mates with the Minitek IDC receptacles.

**EJECT LATCH HEADERS - VERTICAL THROUGH HOLE**

| Mfg. Part No.        | Positions | Stock No. | Price Each |       |
|----------------------|-----------|-----------|------------|-------|
|                      |           |           | 1-24       | 25-99 |
| ● 10078991-G21-08ULF | 8         | 78M3886   | ---        | ---   |
| ● 10078991-G21-10ULF | 10        | 78M3887   | 4.41       | 4.41  |
| ● 10078991-G21-12ULF | 12        | 78M3888   | 4.53       | 4.29  |
| ● 10078991-G21-14ULF | 14        | 78M3889   | ---        | ---   |
| ● 10078991-G21-30ULF | 30        | 78M3891   | 5.11       | 4.59  |

**EJECT LATCH HEADERS - VERTICAL SURFACE MOUNT**

|                      |    |         |      |      |
|----------------------|----|---------|------|------|
| ● 10078995-G02-08ULF | 8  | 78M3955 | 4.04 | 3.63 |
| ● 10078995-G02-10ULF | 10 | 78M3956 | ---  | ---  |
| ● 10078995-G02-12ULF | 12 | 78M3957 | 4.38 | 3.93 |
| ● 10078995-G02-14ULF | 14 | 78M3958 | ---  | ---  |
| ● 10078995-G02-30ULF | 30 | 78M3960 | 5.21 | 4.68 |

(139052)

**Your peers value your opinion**

Be sure to rate products online by clicking on review links on product detail pages.

(196525)

1.800.463.9275 • www.newark.com

**DUBOX™ 2.54mm (0.100") SHROUDED HEADERS**



- Housing: Glass filled thermoplastic polyester
- Flammability Rating: UL 94 V-0
- Contacts: Gold plated Phosphor Bronze
- Current Rating: 3 A continuous

- Insulation Resistance: 1x 105 Mohm min.
- Dielectric Withstanding Voltage: 1000 V rms
- Operating Temperature: -40°C to +125°C

For use with Dubox™ crimp-to-wire housings and are stackable end-to-end. Passive latching, anti-reverse and anti-miss-match when used with Dubox™ crimp-to-wire housings.

**DUBOX SINGLE ROW SHROUDED HEADERS - VERTICAL THRU HOLE**

| Mfg. Part No. | Positions | Stock No. | Price Each |       |
|---------------|-----------|-----------|------------|-------|
|               |           |           | 1-24       | 25-99 |
| ● 76384-302LF | 2         | 62K8648   | 0.40       | 0.34  |
| ● 76384-303LF | 3         | 62K8649   | 0.50       | 0.43  |
| ● 76384-304LF | 4         | 62K8650   | 0.59       | 0.51  |
| ● 76384-305LF | 5         | 62K8651   | 0.64       | 0.55  |
| ● 76384-306LF | 6         | 62K8652   | 0.74       | 0.68  |
| ● 76385-302LF | 4         | 62K8682   | 0.66       | 0.60  |

**DUBOX DOUBLE ROW SHROUDED HEADERS - VERTICAL THRU HOLE**

|               |    |         |      |      |
|---------------|----|---------|------|------|
| ● 76385-303LF | 6  | 62K8683 | 0.90 | 0.83 |
| ● 76385-304LF | 8  | 62K8684 | 1.08 | 0.99 |
| ● 76385-305LF | 10 | 62K8685 | 1.21 | 1.10 |
| ● 76385-308LF | 16 | 62K8688 | 1.41 | 1.29 |

**DUBOX SINGLE ROW SHROUDED HEADERS - RIGHT ANGLE THRU HOLE**

|               |   |         |      |      |
|---------------|---|---------|------|------|
| ● 76382-306LF | 6 | 62K8558 | 0.65 | 0.65 |
|---------------|---|---------|------|------|

(134267)

**DUBOX™ 2.54mm (0.100") CRIMP-TO-WIRE HOUSINGS**



- Housing: Glass filled thermoplastic polyester; Color: Blue
- Contacts: Gold plated Phosphor Bronze
- Insulation Resistance: 1x 105 Mohm min.

- Dielectric Withstanding Voltage: 1000 V rms
- Operating Temperature: -65°C to +125°C

For use with Dubox™ crimp-to-wire contacts and are stackable end-to-end. Passive latching, anti-reverse and anti-miss-match when used with Dubox™ shrouded headers. Contacts removable for easy repairability.

**0.100" (2.54mm) DUBOX™ CRIMP-TO-WIRE HOUSINGS - SINGLE ROW**

| Mfg. Part No. | Positions | Stock No. | Price Each |       |
|---------------|-----------|-----------|------------|-------|
|               |           |           | 1-24       | 25-99 |
| ● 65240-002LF | 2         | 62K6545   | 0.16       | 0.13  |
| ● 65240-004LF | 4         | 62K6547   | 0.28       | 0.23  |
| ● 65240-006LF | 6         | 62K6549   | 0.36       | 0.30  |
| ● 65240-008LF | 8         | 62K6551   | 0.45       | 0.38  |

**0.100" (2.54mm) DUBOX™ CRIMP-TO-WIRE HOUSINGS - DOUBLE ROW**

|               |    |         |      |      |
|---------------|----|---------|------|------|
| ● 65239-002LF | 4  | 62K6523 | 0.30 | 0.25 |
| ● 65239-003LF | 6  | 62K6524 | 0.37 | 0.32 |
| ● 65239-004LF | 8  | 62K6525 | 0.45 | 0.38 |
| ● 65239-005LF | 10 | 62K6526 | 0.59 | 0.50 |
| ● 65239-006LF | 12 | 62K6527 | 0.67 | 0.57 |
| ● 65239-008LF | 16 | 62K6529 | 0.80 | 0.73 |

**CONTACTS**

| Mfg. Part No. | AWG   | Insulation Dia. (mm) | Package     | Stock No. | Price Each |       |
|---------------|-------|----------------------|-------------|-----------|------------|-------|
|               |       |                      |             |           | 1-24       | 25-99 |
| ● 76357-301LF | 30-22 | 0.90 - 1.50          | Loose Piece | 62K8551   | 0.22       | 0.18  |
| ● 76347-301LF | 30-22 | 0.90 - 1.50          | Reel        | 62K8468   | 0.13       | 0.10  |

(134271)

**BERGSTIK™ UNSHROUDED VERTICAL SINGLE-ROW AND DOUBLE-ROW HEADERS**



Thru-hole and surface mount headers in single-row and double-row configurations. Phosphor bronze pins are 15µm gold-plated in contact area and 150µm tin/lead-plated on tail. High-temperature, black thermoplastic housing, flammability rated UL94V-0. Current rating: 3A continuous. Insulation resistance: 5000MΩ min. Dielectric withstanding voltage: 1500V. Post: 0.230" (5.84). Other versions and sizes are available; go online or call.

**NEW**

**54101 SERIES, SINGLE-ROW UNSHROUDED HEADERS, VERTICAL THRU-HOLE**

| Mfg. Part No. | Positions Per Row | Plating   | Mating Length | Tail Length | Stock No. | Price Each |       |
|---------------|-------------------|-----------|---------------|-------------|-----------|------------|-------|
|               |                   |           |               |             |           | 1-24       | 25-99 |
| 54101-S08-04  | 4                 | 15µ" Gold | 5.84 mm       | 3.05 mm     | 22C1650   | 0.13       | 0.13  |
| 54101-S08-06  | 6                 | 15µ" Gold | 5.84 mm       | 3.05 mm     | 22C1654   | 0.47       | 0.43  |
| 54101-S08-08  | 8                 | 15µ" Gold | 5.84 mm       | 3.05 mm     | 22C1658   | 0.36       | 0.33  |
| 54101-S08-10  | 10                | 15µ" Gold | 5.84 mm       | 3.05 mm     | 22C1662   | ---        | ---   |

➔ CONTINUED ➔





## PC BOARD HEADERS & SOCKETS

### BERGSTIK™ UNSHROUDED VERTICAL SINGLE-ROW AND DOUBLE-ROW HEADERS (CONT.)

| Mfg. Part No. | Positions Per Row | Plating   | Mating Length | Tail Length | Stock No. | Price Each |       |
|---------------|-------------------|-----------|---------------|-------------|-----------|------------|-------|
|               |                   |           |               |             |           | 1-24       | 25-99 |
| 54101-S08-14  | 14                | 15u" Gold | 5.84 mm       | 3.05 mm     | 22C1670   | ---        | ---   |
| 54101-S08-20  | 20                | 15u" Gold | 5.84 mm       | 3.05 mm     | 22C1682   | 1.19       | 0.72  |

**54102 SERIES, DOUBLE-ROW UNSHROUDED HEADERS, VERTICAL THRU-HOLE**

|                |    |           |         |         |         |      |      |
|----------------|----|-----------|---------|---------|---------|------|------|
| 54102-S08-02   | 2  | 15u" Gold | 5.84 mm | 3.05 mm | 22C2546 | 1.19 | 0.88 |
| 54102-S08-04   | 4  | 15u" Gold | 5.84 mm | 3.05 mm | 22C2550 | 1.37 | 1.01 |
| 54102-S08-06   | 6  | 15u" Gold | 5.84 mm | 3.05 mm | 22C2554 | ---  | ---  |
| 54102-S08-08LF | 8  | 15u" Gold | 5.84 mm | 3.05 mm | 72K2509 | ---  | ---  |
| 54102-S08-18   | 18 | 15u" Gold | 5.84 mm | 3.05 mm | 22C2578 | 1.29 | 0.79 |

**67997 SERIES, DOUBLE-ROW UNSHROUDED HEADERS, VERTICAL THRU-HOLE**

|              |    |           |         |         |         |      |      |
|--------------|----|-----------|---------|---------|---------|------|------|
| 67997-220HLF | 20 | 15u" Gold | 5.84 mm | 3.05 mm | 86K8610 | 0.93 | 0.65 |
|--------------|----|-----------|---------|---------|---------|------|------|

**67996 SERIES, DOUBLE-ROW UNSHROUDED HEADERS, VERTICAL THRU-HOLE**

|              |    |           |         |         |         |      |      |
|--------------|----|-----------|---------|---------|---------|------|------|
| 67996-406HLF | 6  | Tin       | 5.84 mm | 2.41 mm | 20M2191 | 0.22 | 0.12 |
| 67996-472HLF | 72 | Tin       | 5.84 mm | 2.41 mm | 65K9536 | 1.24 | 0.76 |
| 67996-206HLF | 6  | 15u" Gold | 5.84 mm | 2.41 mm | 33M7808 | 0.24 | 0.13 |
| 67996-210HLF | 10 | 15u" Gold | 5.84 mm | 2.41 mm | 33M7809 | 0.42 | 0.30 |
| 67996-220HLF | 20 | 15u" Gold | 5.84 mm | 2.41 mm | 33M7813 | 0.63 | 0.39 |
| 67996-272HLF | 72 | 15u" Gold | 5.84 mm | 2.41 mm | 78K5719 | 1.88 | 1.15 |
| 67996-102HLF | 2  | 30u" Gold | 5.84 mm | 2.41 mm | 78M6708 | 0.19 | 0.14 |
| 67996-104HLF | 4  | 30u" Gold | 5.84 mm | 2.41 mm | 20M2185 | 0.22 | 0.12 |
| 67996-106HLF | 6  | 30u" Gold | 5.84 mm | 2.41 mm | 20M2186 | 0.28 | 0.16 |
| 67996-108HLF | 8  | 30u" Gold | 5.84 mm | 2.41 mm | 84K6413 | 2.09 | 1.78 |
| 67996-110HLF | 10 | 30u" Gold | 5.84 mm | 2.41 mm | 06M1752 | 0.44 | 0.25 |
| 67996-112HLF | 12 | 30u" Gold | 5.84 mm | 2.41 mm | 20M2187 | 0.35 | 0.28 |
| 67996-114HLF | 14 | 30u" Gold | 5.84 mm | 2.41 mm | 30M1973 | 0.64 | 0.36 |
| 67996-116HLF | 16 | 30u" Gold | 5.84 mm | 2.41 mm | 20M2188 | 0.74 | 0.45 |
| 67996-120HLF | 20 | 30u" Gold | 5.84 mm | 2.41 mm | 20M2189 | 0.78 | 0.47 |
| 67996-124HLF | 24 | 30u" Gold | 5.84 mm | 2.41 mm | 30M1975 | 0.95 | 0.58 |
| 67996-126HLF | 26 | 30u" Gold | 5.84 mm | 2.41 mm | 84K6414 | 3.89 | 2.71 |
| 67996-172HLF | 72 | 30u" Gold | 5.84 mm | 2.41 mm | 65K9535 | 2.11 | 1.43 |

**54201 SERIES, SINGLE-ROW UNSHROUDED HEADERS, VERTICAL SURFACE MOUNT**

| Mfg. Part No. | Positions Per Row | Plating   | Mating Length | Stock No. | Price Each |       |
|---------------|-------------------|-----------|---------------|-----------|------------|-------|
|               |                   |           |               |           | 1-24       | 25-99 |
| 54201-S08-05  | 5                 | 15u" Gold | 5.84 mm       | 22C3143   | 1.23       | 1.15  |

**54202 SERIES, DOUBLE-ROW UNSHROUDED HEADERS, VERTICAL SURFACE MOUNT**

|              |    |           |         |         |      |      |
|--------------|----|-----------|---------|---------|------|------|
| 54202-S08-04 | 4  | 15u" Gold | 5.84 mm | 22C3244 | 0.21 | 0.21 |
| 54202-S08-08 | 8  | 15u" Gold | 5.84 mm | 22C3248 | 0.68 | 0.63 |
| 54202-S08-10 | 10 | 15u" Gold | 5.84 mm | 22C3250 | 0.99 | 0.92 |
| 54202-S08-14 | 14 | 15u" Gold | 5.84 mm | 22C3254 | 1.22 | 1.15 |
| 54202-S08-16 | 16 | 15u" Gold | 5.84 mm | 22C3256 | 1.53 | 1.40 |
| 54202-S08-20 | 20 | 15u" Gold | 5.84 mm | 22C3260 | 2.33 | 2.12 |

**77311 SERIES, SERIES, SINGLE-ROW UNSHROUDED HEADERS, VERTICAL THRU-HOLE**

| Mfg. Part No.  | Positions | Plating   | Mating Length | Tail Length | Stock No. | Price Each |         |
|----------------|-----------|-----------|---------------|-------------|-----------|------------|---------|
|                |           |           |               |             |           | 1-99       | 100-249 |
| 77311-401-36LF | 36        | Tin       | 5.84 mm       | 2.41 mm     | 93K5128   | 1.66       | 1.50    |
| 77311-818-36LF | 36        | 15u" Gold | 5.84 mm       | 3.05 mm     | 93K5129   | 1.43       | 1.32    |
| 77311-101-06LF | 6         | 30u" Gold | 5.84 mm       | 2.41 mm     | 84K6800   | 0.35       | 0.33    |
| 77311-101-16LF | 16        | 30u" Gold | 5.84 mm       | 2.41 mm     | 17M4437   | 0.61       | 0.61    |
| 77311-118-08LF | 8         | 30u" Gold | 5.84 mm       | 3.05 mm     | 62K8871   | 0.25       | 0.24    |
| 77311-124-06LF | 6         | 30u" Gold | 6.75 mm       | 2.90 mm     | 62K8960   | 0.62       | 0.62    |

**77313 SERIES, DOUBLE-ROW UNSHROUDED HEADERS, VERTICAL THRU-HOLE**

|                |    |           |         |         |         |      |      |
|----------------|----|-----------|---------|---------|---------|------|------|
| 77313-418-72LF | 72 | Tin       | 5.84 mm | 3.05 mm | 93K5130 | ---  | ---  |
| 77313-818-72LF | 72 | 15u" Gold | 5.84 mm | 3.05 mm | 93K5131 | 2.23 | 2.23 |
| 77313-101-10LF | 10 | 30u" Gold | 5.84 mm | 2.41 mm | 84K6813 | 0.42 | 0.39 |
| 77313-124-04LF | 4  | 30u" Gold | 6.75 mm | 2.90 mm | 62K9508 | 0.18 | 0.17 |

**75160 SERIES, SINGLE-ROW UNSHROUDED HEADERS, VERTICAL THRU-HOLE**

|                |    |           |         |          |         |      |      |
|----------------|----|-----------|---------|----------|---------|------|------|
| 75160-105-36LF | 36 | 30u" Gold | 5.72 mm | 10.16 mm | 93K5076 | 9.12 | 8.38 |
|----------------|----|-----------|---------|----------|---------|------|------|

**95278 SERIES, DOUBLE-ROW UNSHROUDED HEADERS, VERTICAL SURFACE MOUNT**

|                |    |           |         |     |         |      |      |
|----------------|----|-----------|---------|-----|---------|------|------|
| 95278-101A06LF | 6  | 30u" Gold | 5.90 mm | ... | 63K1608 | 0.76 | 0.69 |
| 95278-101A10LF | 10 | 30u" Gold | 5.90 mm | ... | 84K7236 | 0.80 | 0.80 |
| 95278-101A12LF | 12 | 30u" Gold | 5.90 mm | ... | 63K1610 | 1.18 | 0.92 |
| 95278-101A16LF | 16 | 30u" Gold | 5.90 mm | ... | 63K1612 | 0.77 | 0.77 |
| 95278-101A20LF | 20 | 30u" Gold | 5.90 mm | ... | 84K7237 | 1.09 | 1.03 |

(61184)

### PVT™ 2.54mm (0.100") SHROUDED HEADERS

NEW



- Housing: Black thermoplastic
- Flammability Rating: UL 94 V-0
- Contacts: Gold plated Phosphor Bronze
- Current Rating: 3 A continuous
- Insulation Resistance: 10000 mohm min.
- Dielectric Withstanding Voltage: 1000 V
- Operating Temperature: -40°C to +95°C

High temperature headers feature high reliability contacts and passive latching system.

#### PVT™ SHROUDED HEADERS - SINGLE ROW

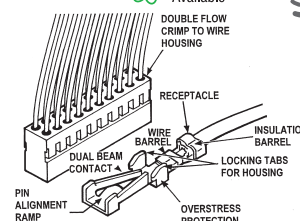
| Mfg. Part No. | Positions | Mounting    | Stock No. | Price Each |       |
|---------------|-----------|-------------|-----------|------------|-------|
|               |           |             |           | 1-24       | 25-99 |
| 69167-103HLF  | 3         | Vertical    | 03M2203   | 0.41       | 0.41  |
| 69167-106HLF  | 6         | Vertical    | 03M2206   | 0.62       | 0.58  |
| 78208-103HLF  | 3         | Right Angle | 03M2314   | 0.37       | 0.34  |
| 78208-104HLF  | 4         | Right Angle | 03M2315   | 0.52       | 0.47  |

#### PVT™ SHROUDED HEADERS - DOUBLE ROW

|              |    |             |         |      |      |
|--------------|----|-------------|---------|------|------|
| 69168-106HLF | 6  | Vertical    | 03M2217 | 0.57 | 0.57 |
| 69168-108HLF | 8  | Vertical    | 03M2218 | 0.79 | 0.79 |
| 69168-110HLF | 10 | Vertical    | 03M2220 | 1.17 | 1.09 |
| 69168-120HLF | 20 | Vertical    | 03M2225 | 1.57 | 1.46 |
| 78207-108HLF | 8  | Right Angle | 03M2303 | 0.90 | 0.84 |
| 78207-110HLF | 10 | Right Angle | 03M2304 | 0.64 | 0.60 |

(134272)

### MINITEK™ 2.00mm (0.079") CRIMP-TO-WIRE HOUSINGS AND CRIMP CONTACTS



Minitek™ crimp-to-wire, double-row housings are offered keyed or unkeyed with 2.00 x 2.00 mm (0.079 x 0.079") centerlines. Constructed of black nylon. Insulation resistance: 1000 Mohms minimum. Withstanding voltage: 650 Vrms. Current rating: 2 A. Operating temperature: -40°C to +105°C. Order 2mm crimp contacts separately below. UL recognized, CSA certified.

#### 2.00mm CRIMP HOUSINGS, DOUBLE ROW - WITHOUT POLARIZATION KEYS

| Mfg. Part No. | Positions | Stock No. | Price Each |       |         |
|---------------|-----------|-----------|------------|-------|---------|
|               |           |           | 1-24       | 25-99 | 100-499 |
| 69307-004LF   | 4         | 01M3604   | 0.68       | 0.62  | 0.51    |
| 69307-008LF   | 8         | 01M3606   | 0.63       | 0.58  | 0.48    |
| 69307-014LF   | 14        | 01M3609   | 0.71       | 0.67  | 0.61    |
| 69307-016LF   | 16        | 01M3610   | 1.00       | 0.92  | 0.75    |
| 69307-024LF   | 24        | 01M3614   | 1.27       | 1.16  | 0.97    |

#### 2.00mm CRIMP HOUSINGS, DOUBLE ROW - WITH POLARIZING KEYS

|             |    |         |      |      |      |
|-------------|----|---------|------|------|------|
| 90311-004LF | 4  | 01M4831 | 0.54 | 0.50 | 0.46 |
| 90311-006LF | 6  | 01M4832 | 0.39 | 0.39 | 0.33 |
| 90311-010LF | 10 | 01M4834 | 0.68 | 0.63 | 0.51 |
| 90311-012LF | 12 | 01M4835 | 0.57 | 0.57 | 0.49 |
| 90311-020LF | 20 | 01M4839 | 1.18 | 1.08 | 0.88 |
| 90311-030LF | 30 | 01M4844 | 1.43 | 1.31 | 1.09 |
| 90311-044LF | 44 | 01M4851 | 1.63 | 1.52 | 1.37 |

#### 2.00mm CRIMP HOUSINGS, SINGLE ROW - WITH POLARIZING KEYS

|             |   |         |      |      |      |
|-------------|---|---------|------|------|------|
| 90312-004LF | 4 | 01M4856 | 0.49 | 0.46 | 0.42 |
| 90312-008LF | 8 | 01M4860 | 0.61 | 0.57 | 0.52 |

#### 2.00mm CRIMP HOUSINGS, DOUBLE ROW - WITH ACTIVE LATCH

|                |    |         |      |      |      |
|----------------|----|---------|------|------|------|
| 10073599-008LF | 8  | 78M3862 | 0.65 | 0.60 | 0.49 |
| 10073599-010LF | 10 | 78M3863 | 0.39 | 0.39 | 0.34 |
| 10073599-012LF | 12 | 78M3864 | 0.65 | 0.60 | 0.49 |
| 10073599-014LF | 14 | 78M3865 | 0.57 | 0.53 | 0.49 |
| 10073599-030LF | 30 | 78M3873 | 1.01 | 0.94 | 0.87 |

#### 2.00 mm CRIMP CONTACTS — SOLD INDIVIDUALLY

| Mfg. Part No. | Plating   | Stock No. | Price Each |       |         |
|---------------|-----------|-----------|------------|-------|---------|
|               |           |           | 1-24       | 25-99 | 100-499 |
| 77138-101LF   | 20u" Gold | 06M2115   | 0.20       | 0.16  | 0.14    |

(75629)

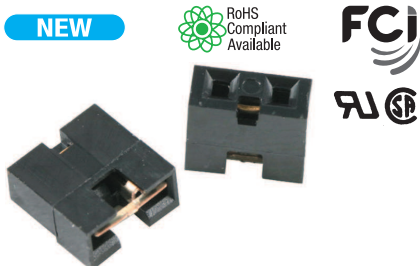
## New products added daily

See the newest products, technologies and suppliers on our website.



(196560)

**MINI-JUMPTM SHUNT JUMPER SYSTEMS**



**NEW**

RoHS Compliant Available

FCI

- Standard 2-Position for 0.100" (2.54) Centers
- Mate with 0.025"(0.635) Square and Round Pins
- Contact Resistance: 15 Megohms
- Current Rating: 2.5A Max. Per Contact
- 65474 Series feature Blue Housings; 68786 and 71363 Series feature Black Housings
- UL Recognized, CSA Certified

Economical, stackable jumper systems are applicable for bussing, programming and switch replacement. Low-profile shunts stand 0.200"(5.08) above PC board; high-body shunts stand 0.360" (9.15) above PC board. Dual-beam, phosphor-bronze contacts.

**LOW-PROFILE SHUNTS**

| Mfg. Part No. | Plating   | Stock No. | Price Each |       |
|---------------|-----------|-----------|------------|-------|
|               |           |           | 1-24       | 25-99 |
| ● 65474-001   | 40µ" Gold | 94F7344   | 0.38       |       |
| ● 65474-002LF | 100µ" Tin | 06M1613   | 0.19       |       |
| ● 65474-010   | 30µ" Gold | 89F4580   | 0.30       |       |
| ● 65474-010LF | 30µ" Gold | 06M1617   | 0.26       |       |

**LOW-PROFILE SHUNTS**

|               |           |         |      |  |
|---------------|-----------|---------|------|--|
| ● 68786-102LF | 15µ" Gold | 53K1469 | 0.15 |  |
| ● 68786-202   | 30µ" Gold | 89F4578 | 0.18 |  |
| ● 68786-202LF | 30µ" Gold | 84K6455 | 0.18 |  |
| ● 68786-302LF | 100µ" Tin | 06M1818 | 0.14 |  |

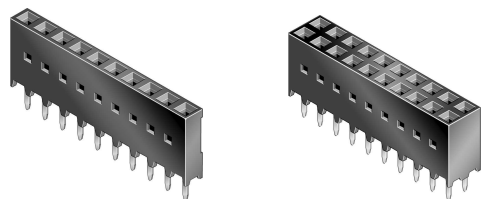
**HIGH-BODY SHUNTS**

|               |           |         |      |  |
|---------------|-----------|---------|------|--|
| 71363-102     | 15µ" Gold | 97F9685 | 0.29 |  |
| ● 71363-102LF | 15µ" Gold | 62K7134 | 0.26 |  |
| ● 71363-202   | 30µ" Gold | 97F9686 | 0.31 |  |
| ● 71363-202LF | 30µ" Gold | 06M1934 | 0.28 |  |
| ● 71363-302LF | 100µ" Tin | 72K3596 | 0.25 |  |

(8419)

**DUBOX™ 2.54mm (0.100") PC BOARD VERTICAL RECEPTACLES**

RoHS Compliant Available FCI



Single Row, Top Entry

Double Row, Top Entry

- Current Rating: 3A DC Max. per Individual Contact
- Insulation Resistance: 1000MΩ Min.
- Contact Resistance: 15mΩ Max. Initial, 20mΩ Max. after Environmental Tests

- Dielectric Withstanding Voltage: 1000V
- Operating Temperature: -65°C to +125°C
- UL Recognized, CSA Certified

Vertical receptacles feature phosphor bronze contacts plated with 30µ" gold in contact area and 100µ" tin/lead on tails. Blue thermoplastic housing, flammability rated UL94V-0. 2A DC max. per contact for fully energized connector. For full dimensional information go online or call

**75915 SERIES TOP-ENTRY SINGLE-ROW RECEPTACLES**

| Mfg. Part No. | Positions | Total No. of Contacts | Stock No. | Price Each |       |
|---------------|-----------|-----------------------|-----------|------------|-------|
|               |           |                       |           | 1-24       | 25-99 |
| ● 75915-306LF | 1x6       | 6                     | 62K8174   | 0.52       | 0.52  |
| ● 75915-308LF | 1x8       | 8                     | 62K8176   | 0.83       | 0.78  |
| ● 75915-310LF | 1x10      | 10                    | 62K8178   | 1.17       | 1.08  |
| ● 75915-312LF | 1x12      | 12                    | 62K8180   | 1.06       | 0.99  |
| ● 75915-314LF | 1x14      | 14                    | 62K8182   | 1.29       | 1.21  |
| ● 75915-316LF | 1x16      | 16                    | 62K8184   | 1.79       | 1.63  |
| ● 75915-320LF | 1x20      | 20                    | 62K8188   | 2.23       | 2.04  |

**66951 SERIES TOP-ENTRY SINGLE-ROW RECEPTACLES**

|               |      |    |         |      |      |
|---------------|------|----|---------|------|------|
| ● 66951-008LF | 1x8  | 8  | 72K2935 | 1.56 | 1.45 |
| ● 66951-016LF | 1x16 | 16 | 84K6402 | 3.42 | 3.11 |

**87606 SERIES TOP-ENTRY DOUBLE-ROW RECEPTACLES**

|               |      |    |         |      |      |
|---------------|------|----|---------|------|------|
| ● 87606-308LF | 2x8  | 16 | 63K0748 | 1.66 | 1.56 |
| ● 87606-310LF | 2x10 | 20 | 63K0751 | 2.23 | 2.04 |
| ● 87606-312LF | 2x12 | 24 | 63K0753 | 2.26 | 2.26 |
| ● 87606-316LF | 2x16 | 32 | 63K0758 | 2.75 | 2.75 |
| ● 87606-320LF | 2x20 | 40 | 66K0113 | 6.33 | 5.85 |

**66953 SERIES TOP-ENTRY DOUBLE-ROW RECEPTACLES**

|               |     |    |         |      |      |
|---------------|-----|----|---------|------|------|
| ● 66953-005LF | 2x5 | 10 | 72K2940 | 2.15 | 1.96 |
| ● 66953-007LF | 2x7 | 14 | 72K2942 | 2.36 | 2.00 |
| ● 66953-008LF | 2x8 | 16 | 06M1696 | 1.77 | 1.65 |

➔ CONTINUED ➔

**DUBOX™ 2.54mm (0.100") PC BOARD VERTICAL RECEPTACLES (CONT.)**

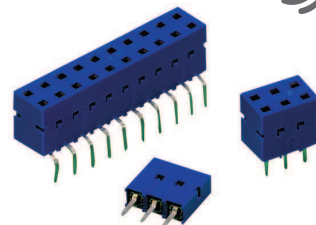
**66953 SERIES TOP-ENTRY DOUBLE-ROW RECEPTACLES**

| Mfg. Part No. | Positions | Total No. of Contacts | Stock No. | Price Each |       |
|---------------|-----------|-----------------------|-----------|------------|-------|
|               |           |                       |           | 1-24       | 25-99 |
| ● 66953-014LF | 2x14      | 28                    | 72K2946   | 3.57       | 3.11  |
| ● 66953-015LF | 2x15      | 30                    | 72K2947   | 3.42       | 3.42  |
| ● 66953-017LF | 2x17      | 34                    | 72K2948   | 4.48       | 4.24  |
| ● 66953-025LF | 2x25      | 50                    | 72K2952   | 5.58       | 5.27  |
| ● 66953-030LF | 2x30      | 60                    | 06M1697   | 4.35       | 3.91  |

(61270)

**DUBOX™ 2.54mm (0.100") LOW-PROFILE PCB VERTICAL RECEPTACLES**

RoHS Compliant Available FCI



- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force
- 4-wall contact design for signal protection
- Current Rating: 3A DC Max. Per Individual Contact
- Insulation Resistance: 1000MΩ Min.
- Contact Resistance: 15mΩ Max. Initial, 20mΩ Max. After Environmental Tests
- Dielectric Withstanding Voltage: 1000V
- Housing: Glass filled thermoplastic
- Flammability rating: UL 94 V-0
- Mating cycles (durability): 200
- Operating Temperatures: -65°C to +125°C
- UL Recognized, CSA Certified

Vertical receptacles feature phosphor bronze contacts plated with 30µ" gold in contact area and 100µ" tin/lead on tails. High-temperature, thermoplastic housing. For full dimensional information go online or call

**68685 SERIES SINGLE-ROW RECEPTACLES, TOP-ENTRY - VERTICAL THRU HOLE**

| Mfg. Part No. | Positions | Total No. of Contacts | Color | Length         | Stock No. | Price Each |
|---------------|-----------|-----------------------|-------|----------------|-----------|------------|
| ● 68685-306LF | 1x6       | 6                     | Black | 0.617" (15.67) | 72K3204   | 1.84       |
| ● 68685-308LF | 1x8       | 8                     | Black | 0.817" (20.75) | 72K3205   | 1.83       |
| ● 68685-310LF | 1x10      | 10                    | Black | 1.017" (25.83) | 72K3206   | ---        |
| ● 68685-316LF | 1x16      | 16                    | Black | 1.617" (41.07) | 72K3208   | 2.98       |
| ● 68685-320LF | 1x20      | 20                    | Black | 2.017" (51.23) | 72K3210   | 3.61       |

**68683 SERIES DOUBLE-ROW RECEPTACLES, TOP-ENTRY - VERTICAL THRU HOLE**

|               |      |    |       |                |         |      |
|---------------|------|----|-------|----------------|---------|------|
| ● 68683-303LF | 2x3  | 6  | Black | 0.317" (8.05)  | 72K3186 | 1.22 |
| ● 68683-305LF | 2x5  | 10 | Black | 0.517" (13.13) | 72K3188 | 1.18 |
| ● 68683-307LF | 2x7  | 14 | Black | 0.717" (18.21) | 72K3189 | 1.50 |
| ● 68683-308LF | 2x8  | 16 | Black | 0.817" (20.75) | 72K3190 | 1.58 |
| ● 68683-310LF | 2x10 | 20 | Black | 1.017" (25.83) | 06M1806 | 2.29 |
| ● 68683-313LF | 2x13 | 26 | Black | 1.317" (33.45) | 06M1807 | 3.00 |
| ● 68683-314LF | 2x14 | 28 | Black | 1.417" (35.99) | 62K6932 | ---  |
| ● 68683-315LF | 2x15 | 30 | Black | 1.517" (38.53) | 75K4192 | 2.77 |
| ● 68683-317LF | 2x17 | 34 | Black | 1.717" (43.61) | 72K3192 | 3.88 |
| ● 68683-320LF | 2x20 | 40 | Black | 2.017" (51.23) | 72K3194 | 3.80 |
| ● 68683-325LF | 2x25 | 50 | Black | 2.517" (63.93) | 72K3195 | 5.21 |
| ● 68683-332LF | 2x32 | 64 | Black | 3.217" (81.71) | 72K3196 | 7.15 |

**66953 SERIES DOUBLE-ROW RECEPTACLES, TOP-ENTRY - VERTICAL THRU HOLE**

|               |      |    |       |                |         |      |
|---------------|------|----|-------|----------------|---------|------|
| ● 66953-010LF | 2x10 | 20 | Black | 1.000" (25.40) | 72K2943 | 2.70 |
|---------------|------|----|-------|----------------|---------|------|

**76341 SERIES SINGLE-ROW RECEPTACLES, TOP-ENTRY - VERTICAL THRU HOLE**

|               |      |    |      |                |         |      |
|---------------|------|----|------|----------------|---------|------|
| ● 76341-303LF | 1x3  | 3  | Blue | 0.297" (7.54)  | 93K5098 | 1.00 |
| ● 76341-306LF | 1x6  | 6  | Blue | 0.597" (15.16) | 93K5101 | 1.46 |
| ● 76341-311LF | 1x11 | 11 | Blue | 1.097" (27.86) | 93K5106 | ---  |

**76342 SERIES DOUBLE-ROW RECEPTACLES, TOP-ENTRY - VERTICAL THRU HOLE**

|               |      |    |      |                |         |      |
|---------------|------|----|------|----------------|---------|------|
| ● 76342-303LF | 2x3  | 6  | Blue | 0.297" (7.54)  | 93K5111 | 0.78 |
| ● 76342-304LF | 2x4  | 8  | Blue | 0.397" (10.08) | 93K5112 | 1.98 |
| ● 76342-306LF | 2x6  | 12 | Blue | 0.597" (15.16) | 93K5113 | 2.37 |
| ● 76342-308LF | 2x8  | 16 | Blue | 0.797" (20.24) | 93K5115 | 1.86 |
| ● 76342-310LF | 2x10 | 20 | Blue | 0.997" (25.32) | 93K5117 | 2.99 |

**71991 SERIES DOUBLE-ROW RECEPTACLES, DUAL-ENTRY - VERTICAL THRU HOLE**

|               |      |    |      |                |         |      |
|---------------|------|----|------|----------------|---------|------|
| ● 71991-306LF | 2x6  | 12 | Blue | 0.597" (15.16) | 93K5027 | ---  |
| ● 71991-307LF | 2x7  | 14 | Blue | 0.697" (17.70) | 93K5028 | 2.64 |
| ● 71991-308LF | 2x8  | 16 | Blue | 0.797" (20.24) | 93K5029 | ---  |
| ● 71991-310LF | 2x10 | 20 | Blue | 0.997" (25.32) | 93K5031 | ---  |
| ● 71991-317LF | 2x17 | 34 | Blue | 1.497" (38.10) | 93K5033 | ---  |

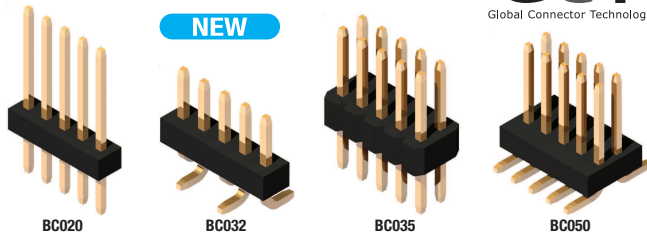
**89898 SERIES DOUBLE-ROW RECEPTACLES, DUAL-ENTRY - VERTICAL SURFACE MOUNT**

|                |     |    |      |                |         |      |
|----------------|-----|----|------|----------------|---------|------|
| ● 89898-302ALF | 2x2 | 4  | Gray | 0.397" (10.08) | 63K1187 | 0.88 |
| ● 89898-306ALF | 2x6 | 12 | Gray | 1.197" (30.40) | 63K1198 | 1.32 |
| ● 89898-308ALF | 2x8 | 16 | Gray | 1.597" (40.56) | 63K1202 | 1.89 |

(8411)

PC BOARD HEADERS & SOCKETS

1.00mm BOARD-TO-BOARD HEADER CONNECTORS



Specifications:

- Current rating: 1 A
- Contact resistance: 20mΩ Max.
- Insulation resistance: 1000 MΩ Min.
- Dielectric withstanding voltage: 300 VAC
- Operating temperature: -40°C to 105°C
- Contact material: BC020, BC035, BC050: Copper alloy; BC032: Phosphor bronze
- Standard insulator material: Polyester LCP, UL94-V0

BC020 SERIES HEADERS - SINGLE ROW, VERTICAL THROUGH HOLE

| Mfg. Part No.            | Positions | Pin Length (mm) | Stock No. | Price Each |       |
|--------------------------|-----------|-----------------|-----------|------------|-------|
|                          |           |                 |           | 1-9        | 10-24 |
| ● BC020-04-A-0200-0300-L | 4         | 2.00            | 67R6860   | 0.33       | 0.24  |
| ● BC020-05-A-0200-0300-L | 5         | 2.00            | 67R6862   | 0.41       | 0.30  |
| ● BC020-06-A-0200-0300-L | 6         | 2.00            | 67R6864   | 0.49       | 0.36  |
| ● BC020-07-A-0200-0300-L | 7         | 2.00            | 67R6866   | 0.46       | 0.40  |
| ● BC020-08-A-0200-0300-L | 8         | 2.00            | 67R6868   | 0.47       | 0.40  |
| ● BC020-09-A-0200-0300-L | 9         | 2.00            | 67R6870   | 0.54       | 0.42  |
| ● BC020-10-A-0200-0300-L | 10        | 2.00            | 67R6872   | 0.81       | 0.60  |
| ● BC020-04-A-0380-0300-L | 4         | 3.80            | 67R6861   | 0.33       | 0.24  |
| ● BC020-05-A-0380-0300-L | 5         | 3.80            | 67R6863   | 0.36       | 0.30  |
| ● BC020-06-A-0380-0300-L | 6         | 3.80            | 67R6865   | 0.42       | 0.36  |
| ● BC020-07-A-0380-0300-L | 7         | 3.80            | 67R6867   | 0.46       | 0.39  |
| ● BC020-08-A-0380-0300-L | 8         | 3.80            | 67R6869   | 0.47       | 0.40  |
| ● BC020-09-A-0380-0300-L | 9         | 3.80            | 67R6871   | 0.54       | 0.42  |
| ● BC020-10-A-0380-0300-L | 10        | 3.80            | 67R6873   | 0.81       | 0.60  |

BC032 SERIES HEADERS - SINGLE ROW, VERTICAL SURFACE MOUNT

|                              |    |      |         |      |      |
|------------------------------|----|------|---------|------|------|
| ● BC032-02-A-2-0200-0200-L   | 2  | 2.00 | 67R6934 | 0.28 | 0.28 |
| ● BC032-03-A-2-0200-0200-L   | 3  | 2.00 | 67R6936 | 0.26 | 0.26 |
| ● BC032-04-A-2-0200-0200-L-D | 4  | 2.00 | 67R6938 | 0.53 | 0.41 |
| ● BC032-05-A-2-0200-0200-L-D | 5  | 2.00 | 67R6940 | 0.49 | 0.44 |
| ● BC032-06-A-2-0200-0200-L-D | 6  | 2.00 | 67R6942 | 0.43 | 0.43 |
| ● BC032-07-A-2-0200-0200-L-D | 7  | 2.00 | 67R6944 | 0.54 | 0.49 |
| ● BC032-08-A-2-0200-0200-L-D | 8  | 2.00 | 67R6946 | 0.65 | 0.51 |
| ● BC032-09-A-2-0200-0200-L-D | 9  | 2.00 | 67R6948 | 0.57 | 0.52 |
| ● BC032-10-A-2-0200-0200-L-D | 10 | 2.00 | 67R6950 | 0.59 | 0.54 |
| ● BC032-02-A-2-0200-0380-L   | 2  | 3.80 | 67R6935 | 0.39 | 0.39 |
| ● BC032-03-A-2-0200-0380-L   | 3  | 3.80 | 67R6937 | 0.26 | 0.26 |
| ● BC032-04-A-2-0200-0380-L-D | 4  | 3.80 | 67R6939 | 0.45 | 0.41 |
| ● BC032-05-A-2-0200-0380-L-D | 5  | 3.80 | 67R6941 | 0.49 | 0.44 |
| ● BC032-06-A-2-0200-0380-L-D | 6  | 3.80 | 67R6943 | 0.52 | 0.47 |
| ● BC032-07-A-2-0200-0380-L-D | 7  | 3.80 | 67R6945 | 0.54 | 0.49 |
| ● BC032-08-A-2-0200-0380-L-D | 8  | 3.80 | 67R6947 | ---  | ---  |
| ● BC032-09-A-2-0200-0380-L-D | 9  | 3.80 | 67R6949 | 0.57 | 0.52 |
| ● BC032-10-A-2-0200-0380-L-D | 10 | 3.80 | 67R6951 | 0.59 | 0.54 |

BC035 SERIES HEADERS - DOUBLE ROW, VERTICAL THROUGH HOLE

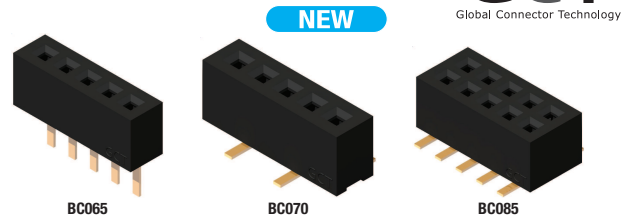
|                          |    |      |         |      |      |
|--------------------------|----|------|---------|------|------|
| ● BC035-04-A-0200-0300-L | 4  | 2.00 | 67R7012 | 0.32 | 0.24 |
| ● BC035-06-A-0200-0300-L | 6  | 2.00 | 67R7014 | 0.39 | 0.36 |
| ● BC035-08-A-0200-0300-L | 8  | 2.00 | 67R7016 | 0.49 | 0.38 |
| ● BC035-10-A-0200-0300-L | 10 | 2.00 | 67R7018 | 0.52 | 0.47 |
| ● BC035-04-A-0380-0300-L | 4  | 3.80 | 67R7013 | 0.32 | 0.24 |
| ● BC035-06-A-0380-0300-L | 6  | 3.80 | 67R7015 | 0.41 | 0.35 |
| ● BC035-08-A-0380-0300-L | 8  | 3.80 | 67R7017 | 0.49 | 0.38 |
| ● BC035-10-A-0380-0300-L | 10 | 3.80 | 67R7019 | 0.56 | 0.47 |

BC050 SERIES HEADERS - DOUBLE ROW, VERTICAL SURFACE MOUNT

|                                  |    |      |         |      |      |
|----------------------------------|----|------|---------|------|------|
| ● BC050-04A-K0-0200-0160-0480-LD | 4  | 2.00 | 67R7090 | ---  | ---  |
| ● BC050-06A-K0-0200-0160-0480-LD | 6  | 2.00 | 67R7092 | ---  | ---  |
| ● BC050-08A-K0-0200-0160-0480-LD | 8  | 2.00 | 67R7094 | ---  | ---  |
| ● BC050-10A-K0-0200-0160-0480-LD | 10 | 2.00 | 67R7096 | 0.81 | 0.60 |
| ● BC050-04A-K0-0380-0160-0480-LD | 4  | 3.80 | 67R7091 | ---  | ---  |
| ● BC050-06A-K0-0380-0160-0480-LD | 6  | 3.80 | 67R7093 | ---  | ---  |
| ● BC050-08A-K0-0380-0160-0480-LD | 8  | 3.80 | 67R7095 | ---  | ---  |
| ● BC050-10A-K0-0380-0160-0480-LD | 10 | 3.80 | 67R7097 | ---  | ---  |

(168164)

1.00mm BOARD-TO-BOARD RECEPTACLE CONNECTORS



Specifications:

- Current rating: 1 A
- Contact resistance: BC065, BC070: 40mΩ Max.; BC085: 20mΩ Max.
- Insulation resistance: BC065, BC070: 500 MΩ Min.; BC085: 1000 MΩ Min.
- Dielectric withstanding voltage: BC065, BC070: 200 VAC; BC085: 300 VAC
- Operating temperature: -40°C to 105°C
- Contact material: BC065, BC070: Phosphor bronze; BC085: Copper alloy
- Standard insulator material: Polyester LCP, UL94-V0

BC065 SERIES RECEPTACLES - SINGLE ROW, VERTICAL THROUGH HOLE - 2.10mm PROFILE

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-24 |
| ● BC065-02-A-L-G | 2         | 67R7168   | 0.30       | 0.30  |
| ● BC065-03-A-L-G | 3         | 67R7169   | 0.26       | 0.26  |
| ● BC065-04-A-L-G | 4         | 67R7170   | 0.35       | 0.35  |
| ● BC065-05-A-L-D | 5         | 67R7171   | 0.30       | 0.25  |
| ● BC065-06-A-L-D | 6         | 67R7172   | 0.52       | 0.39  |
| ● BC065-07-A-L-D | 7         | 67R7173   | 0.37       | 0.33  |
| ● BC065-08-A-L-D | 8         | 67R7174   | 0.70       | 0.51  |
| ● BC065-09-A-L-D | 9         | 67R7175   | 0.57       | 0.45  |
| ● BC065-10-A-L-D | 10        | 67R7176   | 0.87       | 0.64  |

BC070 SERIES RECEPTACLES - SINGLE ROW, VERTICAL SURFACE MOUNT - 2.10mm PROFILE

|                    |    |         |      |      |
|--------------------|----|---------|------|------|
| ● BC070-02-A-1-L-D | 2  | 67R7207 | 0.11 | 0.10 |
| ● BC070-03-A-1-L-D | 3  | 67R7208 | 0.20 | 0.16 |
| ● BC070-04-A-1-L-D | 4  | 67R7209 | 0.27 | 0.23 |
| ● BC070-05-A-1-L-D | 5  | 67R7210 | 0.33 | 0.28 |
| ● BC070-06-A-1-L-D | 6  | 67R7211 | 0.39 | 0.31 |
| ● BC070-07-A-1-L-D | 7  | 67R7212 | 0.46 | 0.36 |
| ● BC070-08-A-1-L-D | 8  | 67R7213 | 0.43 | 0.37 |
| ● BC070-09-A-1-L-D | 9  | 67R7214 | 0.54 | 0.46 |
| ● BC070-10-A-1-L-D | 10 | 67R7215 | 0.65 | 0.51 |

BC085 SERIES RECEPTACLES - DOUBLE ROW, VERTICAL SURFACE MOUNT - 2.25mm PROFILE

|                       |    |         |      |      |
|-----------------------|----|---------|------|------|
| ● BC085-06-A-0390-L-D | 6  | 67R7246 | 0.37 | 0.32 |
| ● BC085-08-A-0390-L-D | 8  | 67R7247 | ---  | ---  |
| ● BC085-10-A-0390-L-D | 10 | 67R7248 | 0.61 | 0.52 |

(168170)

M22 SERIES MALE CONNECTORS



- Unshrouded
- Body material: Nylon
- Pitch spacing: 2mm
- Contact finish: Gold
- Housings available; order separately online.
- Suitable for use with female connectors
- Operating Temperature: -40°C to +105°C
- Current rating: 1 A

SINGLE ROW STRAIGHT PC TAIL

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |       |
|---------------|-----------------|-----------|------------|-------|
|               |                 |           | 1-9        | 10-24 |
| ● M22-2510205 | 2               | 33K3483   | 0.26       |       |
| ● M22-2510305 | 3               | 37K8782   | 0.38       |       |
| ● M22-2510405 | 4               | 26K1917   | 0.21       |       |
| ● M22-2510605 | 6               | 56K0371   | 0.34       |       |
| ● M22-2511005 | 10              | 98H0416   | 0.90       |       |
| ● M22-2512005 | 20              | 56K0398   | 1.41       |       |

DUAL ROW STRAIGHT PC TAIL

|               |   |         |      |  |
|---------------|---|---------|------|--|
| ● M22-2520205 | 4 | 56K0414 | 0.23 |  |
| ● M22-2520305 | 6 | 89H8939 | 0.19 |  |
| ● M22-2520405 | 8 | 89H8942 | 0.75 |  |

➤ CONTINUED ➤



M22 SERIES MALE CONNECTORS (CONT.)

DUAL ROW STRAIGHT PC TAIL

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |
|---------------|-----------------|-----------|------------|
|               |                 |           | 1-9        |
| ● M22-2520505 | 10              | 56K0418   | 0.90       |
| ● M22-2520605 | 12              | 56K0420   | 0.58       |
| ● M22-2521005 | 20              | 56K0426   | 0.81       |
| ● M22-2522005 | 40              | 56K0445   | 1.66       |

SINGLE ROW RIGHT-ANGLE PC TAIL

|               |    |         |      |
|---------------|----|---------|------|
| ● M22-2530605 | 6  | 56K0468 | 0.65 |
| ● M22-2532005 | 20 | 56K0495 | 1.76 |

DUAL ROW RIGHT-ANGLE PC TAIL

|               |    |         |      |
|---------------|----|---------|------|
| ● M22-2540305 | 6  | 56K0509 | 0.65 |
| ● M22-2540505 | 10 | 56K0513 | 0.55 |

DUAL ROW STRAIGHT SMT

|               |    |         |      |
|---------------|----|---------|------|
| ● M22-5320205 | 4  | 56K0691 | 0.47 |
| ● M22-5320305 | 6  | 56K0696 | 1.05 |
| ● M22-5321005 | 20 | 37J0146 | 2.05 |

SINGLE ROW RIGHT-ANGLE SMT

|               |    |         |      |
|---------------|----|---------|------|
| ● M22-5330205 | 2  | 56K0824 | 0.28 |
| ● M22-5331405 | 14 | 56K0836 | 1.38 |

DUAL ROW RIGHT-ANGLE SMT

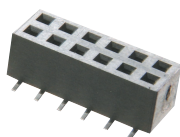
|               |    |         |      |
|---------------|----|---------|------|
| ● M22-5430405 | 8  | 56K0849 | 0.84 |
| ● M22-5431005 | 20 | 56K0855 | 3.29 |

JUMPER SOCKETS

| Mfg. Part No. | Color | Contact Finish | Stock No. | Price Each |
|---------------|-------|----------------|-----------|------------|
|               |       |                |           | 1-99       |
| ● M22-1900005 | Black | Gold           | 56K0291   | 0.39       |
| ● M22-1900046 | Black | Tin            | 03M3586   | 0.22       |
| ● M22-1910005 | Blue  | Gold           | 02J7738   | 0.22       |
| ● M22-1920005 | Red   | Gold           | 56K0294   | 0.39       |
| ● M22-1920046 | Red   | Tin            | 03M3588   | 0.22       |

(90408)

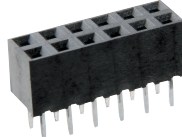
M22 SERIES FEMALE CONNECTORS



M22-634



M22-713



M22-714

- Unshrouded
- Body material: Nylon
- Pitch spacing: 0.08"

- Suitable for use with male connectors; order separately on pages 766-767

DUAL ROW VERTICAL SMT — 4.50 mm HEIGHT — PLATING: GOLD POST — TIN TAIL

| Mfg. Part No. | Contacts | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-9        |
| ● M22-6340342 | 6        | 03M3988   | 0.74       |
| ● M22-6340442 | 8        | 03M3990   | 1.53       |
| ● M22-6340542 | 10       | 03M3991   | 1.72       |
| ● M22-6341042 | 20       | 03M3997   | 1.75       |

SINGLE ROW VERTICAL PC TAIL — PLATING: GOLD POST — TIN TAIL

|               |    |         |      |
|---------------|----|---------|------|
| ● M22-7130442 | 4  | 71K8278 | 0.76 |
| ● M22-7130542 | 5  | 71K8279 | 1.08 |
| ● M22-7130642 | 6  | 71K8280 | 1.12 |
| ● M22-7131042 | 10 | 71K8284 | 1.79 |
| ● M22-7131442 | 14 | 71K8288 | 1.72 |
| ● M22-7132042 | 20 | 71K8294 | 3.19 |

DUAL ROW VERTICAL PC TAIL — PLATING: GOLD POST — TIN TAIL

|               |    |         |      |
|---------------|----|---------|------|
| ● M22-7140342 | 6  | 71K8300 | 0.98 |
| ● M22-7140442 | 8  | 71K8301 | 1.23 |
| ● M22-7140542 | 10 | 71K8302 | 1.12 |
| ● M22-7140642 | 12 | 71K8303 | 1.77 |
| ● M22-7141042 | 20 | 71K8307 | 2.35 |

(90457)

2.00mm (0.079") DATAMATE S-TEK SERIES CONNECTORS

NEW



M80-4C1xxxS1



M80-5C1xxxS1



M80-5T1xxxS1

Harwin Datamate S-Tek connectors are an addition to the 2mm Datamate hi-rel connector family featuring a single-piece machined metal backshell that provides electrical screening against RFI and EMI interference. The backshells are made of an aluminium alloy and nickel plated for corrosion resistance and are designed to attach to a variety of standard metallic braids using industry standard tools. The backshells enable the shield braid to be connected through the backshell to the PCB ground plane. When used in conjunction with Datamate J-Tek connectors and metal braid, these backshells ensure full 360 degree electrical shielding.

S-TEK DIL FEMALE CONNECTOR WITH CRIMP SOCKET CONTACTS

| Mfg. Part No.   | No. of Contacts | Gender     | Stock No. | Price Each |
|-----------------|-----------------|------------|-----------|------------|
|                 |                 |            |           | 1-9        |
| ● M80-4C10605S1 | 6               | Receptacle | 25T0945   | 75.34      |
| ● M80-4C11005S1 | 10              | Receptacle | 25T0946   | 80.39      |
| ● M80-4C11405S1 | 14              | Receptacle | 25T0947   | ---        |
| ● M80-4C12005S1 | 20              | Receptacle | 25T0948   | 94.11      |
| ● M80-4C12605S1 | 26              | Receptacle | 25T0949   | 100.45     |

S-TEK DIL MALE CONNECTOR WITH CRIMP PIN CONTACTS

|                 |    |      |         |       |
|-----------------|----|------|---------|-------|
| ● M80-5C10605B1 | 6  | Plug | 25T0950 | 41.33 |
| ● M80-5C11005B1 | 10 | Plug | 25T0951 | 43.26 |
| ● M80-5C11405B1 | 14 | Plug | 25T0952 | 89.05 |
| ● M80-5C12005B1 | 20 | Plug | 25T0953 | 49.06 |
| ● M80-5C12605B1 | 26 | Plug | 25T0954 | 52.78 |

S-TEK DIL MALE VERTICAL CONNECTOR WITH PC TAIL PIN CONTACTS

|                 |    |      |         |       |
|-----------------|----|------|---------|-------|
| ● M80-5T10605B1 | 6  | Plug | 25T0955 | 42.91 |
| ● M80-5T11005B1 | 10 | Plug | 25T0956 | 44.40 |
| ● M80-5T11405B1 | 14 | Plug | 25T0957 | 46.18 |
| ● M80-5T12005B1 | 20 | Plug | 25T0958 | 49.00 |
| ● M80-5T12605B1 | 26 | Plug | 25T0959 | 51.85 |

REPLACEMENT CRIMP CONTACTS

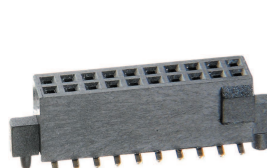
| Mfg. Part No. | Gender | AWG   | Stock No. | Price Each |
|---------------|--------|-------|-----------|------------|
|               |        |       |           | 1-9        |
| ● M80-0130005 | Socket | 28-24 | 01E9519   | 1.05       |
| ● M80-0410005 | Pin    | 28-24 | 01E9520   | 0.95       |
| ● M80-1950005 | Pin    | 28-24 | 71K8377   | 1.29       |

TOOLING

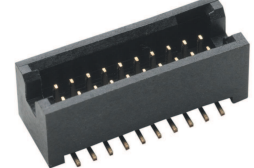
| Mfg. Part No. | Description                          | Stock No. | Price Each |
|---------------|--------------------------------------|-----------|------------|
| M22520/2-01   | Crimp Tool                           | 01E9487   | 464.81     |
| Z80-193       | Positioner for Crimp Pin Contacts    | 53K6334   | 87.50      |
| T5747         | Positioner for Crimp Socket Contacts | 01E9679   | 92.40      |
| Z80-300       | E-Clip Tool                          | 25T0960   | 64.03      |
| Z80-280       | Insertion/Extraction Tool            | 28K1493   | 127.40     |

(194486)

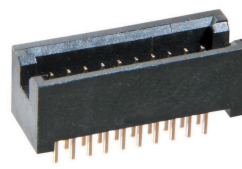
ARCHER (M50) SERIES POLARIZED CONNECTORS



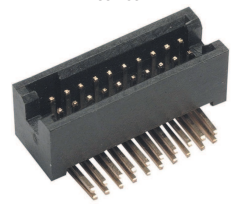
M50-430



M50-490



M50-470



M50-480

- Shrouded
- Single polarization to prevent mis-mating
- Body material: Nylon

- Pitch spacing: 0.05"
- Contact finish: Gold

➔ CONTINUED ➔

## PC BOARD HEADERS & SOCKETS

### ARCHER (M50) SERIES POLARIZED CONNECTORS (CONT.)

#### FEMALE—STRAIGHT SMT

| Mfg. Part No. | Contacts | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-9        |  |
| ● M50-4300645 | 12       | 56K1823   | 2.44       |  |
| ● M50-4300845 | 16       | 56K1825   | 2.19       |  |
| ● M50-4301045 | 20       | 56K1827   | 2.46       |  |
| ● M50-4301245 | 24       | 56K1829   | 3.98       |  |
| ● M50-4301545 | 30       | 56K1832   | 3.31       |  |
| ● M50-4302045 | 40       | 56K1837   | 5.83       |  |
| ● M50-4302545 | 50       | 56K1842   | 6.53       |  |

#### MALE—STRAIGHT SMT

|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M50-4900545 | 10 | 56K1944 | 2.47 |  |
| ● M50-4900645 | 12 | 56K1945 | 2.86 |  |
| ● M50-4900845 | 16 | 56K1947 | 2.37 |  |
| ● M50-4901045 | 20 | 56K1949 | 3.86 |  |
| ● M50-4901245 | 24 | 56K1951 | 3.86 |  |
| ● M50-4901545 | 30 | 56K1954 | 5.34 |  |
| ● M50-4902045 | 40 | 56K1959 | 6.99 |  |
| ● M50-4902545 | 50 | 56K1964 | 7.93 |  |

#### MALE—STRAIGHT PC TAIL

|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M50-4700545 | 10 | 56K1872 | 2.46 |  |
| ● M50-4700645 | 12 | 56K1873 | 2.84 |  |
| ● M50-4700845 | 16 | 56K1875 | 3.08 |  |
| ● M50-4701045 | 20 | 56K1877 | 2.95 |  |
| ● M50-4701245 | 24 | 56K1879 | 2.63 |  |
| ● M50-4701545 | 30 | 56K1882 | 5.22 |  |
| ● M50-4702045 | 40 | 56K1887 | 6.96 |  |
| ● M50-4702545 | 50 | 56K1892 | 6.04 |  |

#### MALE—RIGHT-ANGLE PC TAIL

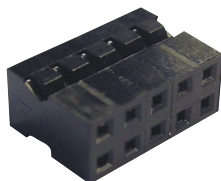
|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M50-4800545 | 10 | 56K1908 | 2.43 |  |
| ● M50-4800645 | 12 | 56K1909 | 1.72 |  |
| ● M50-4800845 | 16 | 56K1911 | 3.02 |  |
| ● M50-4801045 | 20 | 56K1913 | 3.77 |  |
| ● M50-4801245 | 24 | 56K1915 | 3.77 |  |
| ● M50-4801545 | 30 | 56K1918 | 5.17 |  |
| ● M50-4802045 | 40 | 56K1923 | 6.92 |  |
| ● M50-4802545 | 50 | 56K1928 | 7.78 |  |

(90463)

### M22 SERIES FEMALE CRIMP HOUSINGS



- Body material: Nylon 6/6
- Pitch spacing: 0.080"
- Twin-leaf phosphor bronze contacts, rear insertable into housing; *order separately below*
- Suitable for use with male connectors on pages 766-767



#### SIL CRIMP MOULDING

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |       |
|---------------|-----------------|-----------|------------|-------|
|               |                 |           | 1-9        | 10-24 |
| ● M22-3010200 | 2               | 56K0645   | 0.24       | 0.22  |
| ● M22-3010400 | 4               | 56K0647   | 0.84       | 0.53  |
| ● M22-3010500 | 5               | 56K0648   | 0.38       | 0.35  |
| ● M22-3010600 | 6               | 87H9438   | 0.42       | 0.39  |

#### DIL CRIMP MOULDING

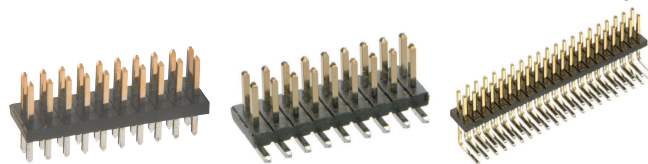
|               |    |         |      |      |
|---------------|----|---------|------|------|
| ● M22-3020200 | 4  | 56K0662 | 0.33 | 0.30 |
| ● M22-3020500 | 10 | 81H3906 | ---  | ---  |
| ● M22-3020600 | 12 | 03H3162 | 0.60 | 0.56 |
| ● M22-3021000 | 20 | 56K0668 | 1.33 | 1.04 |
| ● M22-3021400 | 28 | 56K0671 | 1.27 | 1.16 |
| ● M22-3022000 | 40 | 56K0677 | 2.05 | 1.71 |

#### CONTACTS

| Mfg. Part No.  | Wire Size (AWG) | Contact Finish | Stock No. | Price per Pkg. |       |
|----------------|-----------------|----------------|-----------|----------------|-------|
|                |                 |                |           | 1-9            | 10-24 |
| ● M22-3050042† | 30-24           | Gold + Tin     | 41M1847   | 7.89           | 7.37  |
| ● M22-3050046† | 30-24           | Tin            | 41M1848   | 25.20          | 15.66 |

†Sold in packages of 100  
(90403)

### M50 SERIES MALE CONNECTORS



Straight PC Tail

Straight SMT

Right-angle PC Tail

- Number of rows: 2
- Body material: Nylon
- Pitch spacing: 1.27mm
- Contact finish: Gold Post, Tin Tail

- Suitable for use with female connectors
- Operating temperature: -40°C to +105°C
- Current rating: 1 A

#### STRAIGHT PC TAIL

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |  |
|---------------|-----------------|-----------|------------|--|
|               |                 |           | 1-9        |  |
| ● M50-3500542 | 10              | 87K0158   | 1.45       |  |
| ● M50-3500642 | 12              | 03M4121   | 1.64       |  |
| ● M50-3500842 | 16              | 03M4123   | 1.17       |  |
| ● M50-3501042 | 20              | 74K2300   | 1.99       |  |
| ● M50-3501242 | 24              | 03M4125   | 1.46       |  |
| ● M50-3501542 | 30              | 03M4127   | 2.86       |  |

#### STRAIGHT SMT

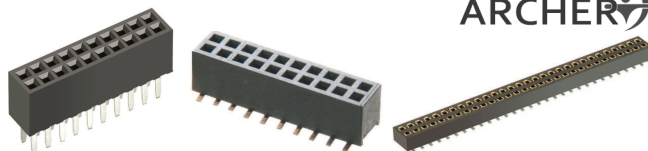
|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M50-3600542 | 10 | 84K7720 | 1.52 |  |
| ● M50-3600842 | 16 | 03M4139 | 1.29 |  |
| ● M50-3601042 | 20 | 03M4141 | 2.18 |  |
| ● M50-3602042 | 40 | 03M4145 | 2.75 |  |

#### RIGHT-ANGLE PC TAIL

|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M50-3900542 | 10 | 03M4153 | 1.79 |  |
|---------------|----|---------|------|--|

(90462)

### M50 SERIES 1.27mm FEMALE CONNECTORS



M50-300

M50-312

M50-315

- Right-angle connector has two solder leads for connector rigidity
- Dual entry connector can be used as either top or bottom entry
- Number of rows: 2
- Body material: Nylon
- Pitch spacing: 1.27mm
- Contact finish: Gold
- Operating temperature -40°C to +105°C
- Current rating 1 Amp
- Suitable for use with male connectors; *order separately on this page*

#### STRAIGHT PC TAIL

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |  |
|---------------|-----------------|-----------|------------|--|
|               |                 |           | 1-9        |  |
| ● M50-3000545 | 10              | 03M4076   | 1.76       |  |
| ● M50-3000845 | 16              | 03M4079   | 1.56       |  |
| ● M50-3001045 | 20              | 03M4081   | 2.64       |  |
| ● M50-3001245 | 24              | 03M4083   | 2.06       |  |
| ● M50-3001545 | 30              | 03M4084   | 3.19       |  |
| ● M50-3002045 | 40              | 03M4085   | 4.04       |  |
| ● M50-3002545 | 50              | 03M4086   | 3.44       |  |

#### STRAIGHT SMT—3.6 mm HEIGHT

|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M50-3120545 | 10 | 56K1697 | 1.48 |  |
| ● M50-3121045 | 20 | 56K1702 | 2.75 |  |
| ● M50-3122545 | 50 | 56K1717 | 6.57 |  |

#### STRAIGHT SMT—2.2 mm HEIGHT, DUAL-ENTRY

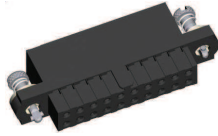
|               |    |         |      |  |
|---------------|----|---------|------|--|
| ● M50-3150542 | 10 | 80K5235 | 3.22 |  |
| ● M50-3150842 | 16 | 03M4109 | 3.44 |  |
| ● M50-3151042 | 20 | 83K9692 | 4.29 |  |

(90461)

**DATAMATE TRIO-TEK SERIES CONNECTORS**



Crimp Housing



Crimp Housing w/101LOK



Contacts

- Housing material: Glass Filled Thermoplastic UL94V-0
- Contact: Beryllium Copper
- Current rating: 3.3 A max @ 25°C
- Working voltage: 120 VAC/DC @ 3.3 A max
- Contact resistance: 25mΩ
- Crimp inspection window in housing

The M80 series stamped female Trio-Tek open barrel crimp contacts and housings form part of the Datamate J-Tek range of 2mm pitch unsealed connectors with replaceable contacts for interconnecting board to board, cable to board and cable to cable. Trio-Tek contacts are gold plated beryllium copper. Trio-Tek connectors are intended for use as low voltage connectors in high packing density electronic equipment. Connector housings are polarized to prevent mis-matching. Mates with Male J-Tek Datamate connectors on pages 769-770

**DATAMATE DIL FEMALE CRIMP HOUSINGS**

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |  |
|---------------|-----------------|-----------|------------|--|
|               |                 |           | 1-9        |  |
| M80-4550698   | 6               | 08R4685   | 4.31       |  |
| M80-4550898   | 8               | 08R4686   | 5.20       |  |
| M80-4551098   | 10              | 08R4687   | 5.22       |  |
| M80-4551298   | 12              | 08R4688   | 5.25       |  |
| M80-4551498   | 14              | 06R5616   | 4.36       |  |
| M80-4552098   | 20              | 06R5617   | 5.30       |  |
| M80-4552698   | 26              | 08R2445   | 5.33       |  |
| M80-4553498   | 34              | 06R5619   | 5.44       |  |

**DATAMATE DIL FEMALE CRIMP HOUSINGS w/101LOK JACKSCREWS**

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |  |
|---------------|-----------------|-----------|------------|--|
|               |                 |           | 1-9        |  |
| M80-4590698   | 6               | 08R2446   | 10.74      |  |
| M80-4590898   | 8               | 08R2447   | 10.84      |  |
| M80-4591098   | 10              | 08R2448   | 10.93      |  |
| M80-4591298   | 12              | 08R2449   | 11.09      |  |
| M80-4591498   | 14              | 08R2450   | 9.57       |  |
| M80-4592098   | 20              | 08R2451   | 11.52      |  |
| M80-4592698   | 26              | 08R2452   | 11.87      |  |
| M80-4593498   | 34              | 08R2453   | 9.18       |  |

**CONTACTS**

| Mfg. Part No. | AWG   | Stock No. | Price Each |  |
|---------------|-------|-----------|------------|--|
|               |       |           | 1-9        |  |
| M80-2830045   | 24-22 | 08R4683   | 0.37       |  |
| M80-2840045   | 28-26 | 08R4684   | 0.32       |  |

**TOOLING**

| Mfg. Part No. | Description     | Stock No. | Price Each |  |
|---------------|-----------------|-----------|------------|--|
|               |                 |           | 1-2        |  |
| Z80-255       | Crimp Tool      | 08R4689   | 367.88     |  |
| Z80-259       | Locator         | 08R2471   | 138.04     |  |
| Z80-258       | Extraction Tool | 08R4690   | 10.84      |  |

(147894)

**2.00mm (0.079") SINGLE ROW DATAMATE L-TEK CONNECTORS**

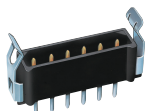


Fig. 1

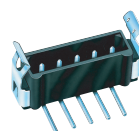
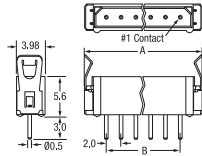


Fig. 2



Fig. 3

- Glass-Filled Thermoplastic Housings, Rated UL94V-0
- Polarized Moldings
- Fully Shrouded Contacts
- Female Crimp 4-Finger Brass Shell Contacts
- Phosphorous Bronze Contacts
- Plating: Gold Contact Area, Tin/Lead Tails
- Current: 3.3A Per Contact
- Operating Temperature: -55°C to +125°C

High-reliability miniature connectors in vertical or horizontal configurations. Suitable for board-to-board and wire-to-board applications. Choice of latched or friction-lock housing. Unlatched and dual row versions also available; go online or call. Order replacement contacts, strain relief straps and tooling separately on page 771.

**VERTICAL MALE HEADERS — FIG. 1**

| Mfg. Part No. | No. of Contacts | Housing | Dimensions (mm) |     | Stock No. | Price Each |  |
|---------------|-----------------|---------|-----------------|-----|-----------|------------|--|
|               |                 |         | A               | B   |           | 1-9        |  |
| M80-8770222   | 2               | Latched | 7.6             | 2.0 | 01E9563   | 2.17       |  |
| M80-8770322   | 3               | Latched | 9.6             | 4.0 | 01E9564   | 2.45       |  |

**HORIZONTAL MALE HEADERS WITH STRAIN RELIEF STRAPS — FIG. 2**

| Mfg. Part No. | No. of Contacts | Housing | Dimensions (mm) |     | Stock No. | Price Each |  |
|---------------|-----------------|---------|-----------------|-----|-----------|------------|--|
|               |                 |         | A               | B   |           | 1-9        |  |
| M80-8760222   | 2               | Latched | 7.6             | 2.0 | 01E9561   | 3.43       |  |
| M80-8760322   | 3               | Latched | 9.6             | 4.0 | 01E9562   | 2.71       |  |

➔ CONTINUED ➔

**2.00mm (0.079") SINGLE ROW DATAMATE L-TEK CONNECTORS (CONT.)**

**SMALL BORE FEMALE-CRIMP RECEPTACLES — FIG. 3**

| Mfg. Part No. | No. of Contacts | Dimensions (mm) |   | Stock No. | Price Each |  |
|---------------|-----------------|-----------------|---|-----------|------------|--|
|               |                 | A               | B |           | 1-9        |  |
| M80-8980205   | 2               | 7.15            | 2 | 01E9579   | 1.91       |  |
| M80-8980305   | 3               | 9.15            | 4 | 01E9580   | 2.78       |  |

(73491)

**2.00mm (0.079") DATAMATE CONNECTORS**

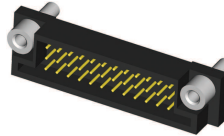
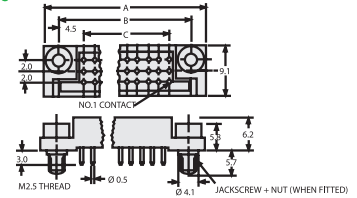


Fig. 1



- Current: 3.3A Per Single Contact
- Glass-Filled Thermoplastic Housing, Rated UL94V-0
- Polarized Molding, Fully Shrouded Contacts
- Female Crimp 4-Finger Brass Shell Contacts
- Male Phosphorous Bronze Contacts
- Plating: Gold Contact Area, Tin/Lead Tails
- Operating Temperature: -55°C to +125°C



Fig. 2

High-reliability miniature connectors in vertical configurations. Jackscrews provide secure mating. Suitable for wire-to-board and board-to-board applications. 36 and 51 position connector available; go online or call.

**TRIPLE ROW, VERTICAL BOARD MOUNT HEADERS W/ JACKSCREWS — FIG. 1**

| Mfg. Part No. | No. of Contacts | Dimensions (mm) |       |       | Stock No. | Price Each |  |
|---------------|-----------------|-----------------|-------|-------|-----------|------------|--|
|               |                 | A               | B     | C     |           | 1-9        |  |
| M80-7002742   | 27              | 31.10           | 25.00 | 16.00 | 69K7303   | 11.21      |  |
| M80-7003642   | 36              | 37.10           | 31.10 | 22.00 | 69K7304   | 13.05      |  |
| M80-7005142   | 51              | 47.10           | 41.10 | 32.00 | 69K7306   | 22.97      |  |

**TRIPLE ROW, SMALL BORE FEMALE-CRIMP RECT. W/ JACKSCREWS — FIG. 2**

| Mfg. Part No. | No. of Contacts | Dimensions (mm) |       |       | Stock No. | Price Each |  |
|---------------|-----------------|-----------------|-------|-------|-----------|------------|--|
|               |                 | A               | B     | C     |           | 1-9        |  |
| M80-7052705   | 27              | 31.10           | 25.00 | 16.00 | 81H1847   | 14.48      |  |
| M80-7054505   | 45              | 43.10           | 37.00 | 28.00 | 54H1174   | 15.57      |  |
| M80-7055105   | 51              | 47.10           | 41.10 | 32.00 | 65H5739   | 29.97      |  |

**ACCESSORIES**

| Mfg. Part No. | Description   | Stock No. | Price Each |  |
|---------------|---|-----------|------------|--|
|               |   |           | 1-9        |  |
| M80-0130005   | Replacement Female-Crimp Contact, 24-28 AWG         | 01E9519   | 1.05       |  |
| M80-0110005   | Replacement Large Bore Female-Crimp Contact, 22 AWG | 97H4879   | 1.05       |  |

**TOOLING**

| Mfg. Part No. | Description   | Stock No. | Price Each |
|---------------|---|-----------|------------|
| M22520/2-01   | Standard MIL Spec Circular Crimp Tool*              | 01E9487   | 464.81     |
| T5747         | Positioner for Mfg. Part No. M22520/2-01 Crimp Tool | 01E9679   | 92.40      |
| Z80-280       | Insertion/Removal Tool for Male and Female Crimp    | 28K1493   | 127.40     |

\*For use with Mfg. Part No. T5747 positioner; order separately above. (78761)

**2.00mm (0.079") DATAMATE J-TEK CONNECTOR DUAL ROW**



NEW

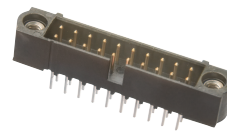


Fig. 1

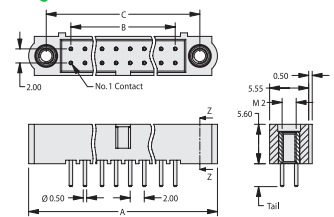


Fig. 2

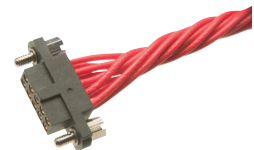


Fig. 3

- Current: 3.3A Per Contact
- Glass-Filled Thermoplastic Housings, Rated UL94V-0
- Polarized Molding, Fully Shrouded Contacts
- Female Crimp 4-Finger Brass Shell Contacts

- Male Phosphorous Bronze Contacts
- Plating: Gold Contact Area, Tin/Lead Tails
- Operating Temperature: -55°C to +125°C

High-reliability miniature connector in vertical or horizontal configurations. Suitable for wire-to-board applications. Jackscrew provide secure mating. Order replacement contacts and tooling separately below. Available in wire to wire and board to board configurations also. Other options include: Board mount PCB strain relief, 4.5mm pc tail. Also available w/o jackscrews; go online or call.

➔ CONTINUED ➔



## PC BOARD HEADERS & SOCKETS

### 2.00mm (0.079") DATAMATE J-TEK CONNECTOR DUAL ROW (CONT.)

#### DUAL ROW VERTICAL HEADER WITH JACKSCREWS - FIG. 1

| Mfg. Part No. | No. of Contacts | Dimensions (mm) |       |       | Stock No. | Price Each |
|---------------|-----------------|-----------------|-------|-------|-----------|------------|
|               |                 | A               | B     | C     |           |            |
| ● M80-5000642 | 3+3             | 16.00           | 4.00  | 11.00 | 71K8438   | 4.42       |
| ● M80-5000842 | 4+4             | 18.00           | 6.00  | 13.00 | 48P5239   | 4.27       |
| ● M80-5001242 | 6+6             | 22.00           | 10.00 | 17.00 | 12N8206   | 5.12       |
| ● M80-5001442 | 7+7             | 14.00           | 12.00 | 19.00 | 71K8439   | ---        |
| M80-5002022   | 10+10           | 30.00           | 18.00 | 25.00 | 98H4021   | 6.29       |
| ● M80-5002642 | 13+13           | 36.00           | 24.00 | 31.00 | 71K8440   | 5.41       |

#### DUAL-ROW HORIZONTAL HEADER WITH JACKSCREWS - FIG. 2

|               |       |       |       |       |         |      |
|---------------|-------|-------|-------|-------|---------|------|
| ● M80-5300642 | 3+3   | 16.00 | 4.00  | 11.00 | 71K8483 | 5.62 |
| ● M80-5300842 | 4+4   | 18.00 | 6.00  | 13.00 | 08R2470 | 3.81 |
| ● M80-5301242 | 6+6   | 22.00 | 10.00 | 17.00 | 12N8296 | 4.93 |
| ● M80-5301442 | 7+7   | 14.00 | 12.00 | 19.00 | 71K8484 | 6.61 |
| ● M80-5302642 | 13+13 | 36.00 | 24.00 | 31.00 | 71K8485 | 5.62 |

#### DUAL-ROW HORIZONTAL HEADER WITH JACKSCREWS AND BOARDMOUNTS

|             |     |       |      |       |         |       |
|-------------|-----|-------|------|-------|---------|-------|
| M80-5401022 | 5+5 | 20.00 | 8.00 | 15.00 | 16J0568 | 12.80 |
|-------------|-----|-------|------|-------|---------|-------|

#### DUAL-ROW LARGE BORE FEMALE-CRIMP RECEPTACLES WITH JACKSCREWS - FIG. 3

|               |       |       |       |       |         |       |
|---------------|-------|-------|-------|-------|---------|-------|
| ● M80-4601205 | 6+6   | 22.00 | 10.00 | 17.00 | 60K7895 | 12.82 |
| ● M80-4602042 | 10+10 | 30.00 | 18.00 | 25.00 | 71K8413 | 15.08 |

#### DUAL-ROW SMALL BORE FEMALE-CRIMP RECEPTACLES WITH JACKSCREWS - FIG. 3

|               |       |       |       |       |         |       |
|---------------|-------|-------|-------|-------|---------|-------|
| ● M80-4611005 | 5+5   | 20.00 | 8.00  | 15.00 | 84K3114 | 13.96 |
| ● M80-4612005 | 10+10 | 30.00 | 18.00 | 25.00 | 54K3170 | 15.92 |
| ● M80-4613405 | 17+17 | 44.00 | 32.00 | 39.00 | 84K3117 | 20.57 |

#### ACCESSORIES

| Mfg. Part No. | Description   | Stock No. | Price Each |
|---------------|---|-----------|------------|
| ● M80-0130005 | Replacement Female-Crimp Contact, 24-28 AWG         | 01E9519   | 1.05       |
| ● M80-0110005 | Replacement Large Bore Female-Crimp Contact, 22 AWG | 97H4879   | 1.05       |

#### TOOLING

|             |   |         |        |
|-------------|---|---------|--------|
| M22520/2-01 | Standard MIL Spec Circular Crimp Tool*                    | 01E9487 | 464.81 |
| T5747       | Positioner for Mfg. Part No. M22520/2-01 Crimp Tool       | 01E9679 | 92.40  |
| Z80-280     | Insertion/Removal Tool for Male and Female Crimp Contacts | 28K1493 | 127.40 |

\*For use with Mfg. Part No. T5747 positioner; order separately above (78762)

### 2.00mm (0.079") DUAL ROW DATAMATE L-TEK CONNECTORS



## HARWIN

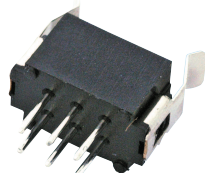


Fig. 1 - Vertical

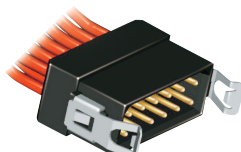


Fig. 2 - Latched

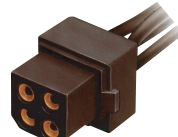


Fig. 3



Fig. 4

- Glass-Filled Thermoplastic Housings, Rated UL94V-0
- Polarized Moldings
- Fully Shrouded Contacts
- Female Crimp 4-Finger Brass Shell Contacts
- Male Crimp Brass Contacts
- Plating: Gold Contact Area, Tin/Lead Tails
- Current: 3.3A Per Contact
- Operating Temperature: -55°C to +125°C

High-reliability miniature connectors in vertical or horizontal configurations. Suitable for board-to-board, board-to-wire and wire-to-wire applications. Choice of latched or friction-lock housing. Unlatched versions also available; go online or call. Order replacement contacts, strain relief straps and tooling separately; go online or call.

#### VERTICAL MALE HEADERS - FIG. 1

| Mfg. Part No. | No. of Contacts | Housing       | Stock No. | Price Each |
|---------------|-----------------|---------------|-----------|------------|
|               |                 |               |           | 1-9        |
| M80-8670422   | 2+2             | Latched       | 01E9554   | 2.99       |
| M80-8150422   | 2+2             | Friction Lock | 01E9536   | 2.77       |
| M80-8670622   | 3+3             | Latched       | 01E9555   | 3.75       |
| M80-8150622   | 3+3             | Friction Lock | 01E9537   | 2.83       |
| M80-8670822   | 4+4             | Latched       | 01E9556   | 3.98       |
| M80-8150822   | 4+4             | Friction Lock | 01E9538   | 3.13       |
| M80-8671022   | 5+5             | Latched       | 01E9557   | 3.22       |
| M80-8671222   | 6+6             | Latched       | 01E9558   | 4.01       |
| M80-8672022   | 10+10           | Latched       | 01E9559   | 5.60       |

#### HORIZONTAL MALE HEADERS

|             |     |               |         |      |
|-------------|-----|---------------|---------|------|
| M80-8660422 | 2+2 | Latched       | 01E9547 | 5.29 |
| M80-8660622 | 3+3 | Latched       | 01E9548 | 5.57 |
| M80-8660822 | 4+4 | Latched       | 01E9549 | 5.83 |
| M80-8141022 | 5+5 | Friction Lock | 01E9532 | 5.24 |

➔ CONTINUED ➔

### 2.00mm (0.079") DUAL ROW DATAMATE L-TEK CONNECTORS (CONT.)

#### HORIZONTAL MALE HEADERS

| Mfg. Part No. | No. of Contacts | Housing | Stock No. | Price Each |
|---------------|-----------------|---------|-----------|------------|
|               |                 |         |           | 1-9        |
| M80-8661222   | 6+6             | Latched | 01E9551   | 6.36       |
| M80-8662022   | 10+10           | Latched | 01E9552   | 5.64       |

#### SMALL BORE MALE-CRIMP CABLE-TO-CABLE CONNECTOR - FIG. 2

|               |     |         |         |      |
|---------------|-----|---------|---------|------|
| ● M80-8120405 | 2+2 | Latched | 01E9525 | 4.33 |
| ● M80-8120805 | 4+4 | Latched | 01E9526 | 5.33 |

#### SMALL BORE FEMALE - CRIMP RECEPTACLES - FIG. 3

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |
|---------------|-----------------|-----------|------------|
|               |                 |           | 1-9        |
| ● M80-8880405 | 2+2             | 01E9572   | 3.02       |
| ● M80-8880605 | 3+3             | 01E9573   | 4.38       |
| ● M80-8880805 | 4+4             | 01E9574   | 5.60       |
| ● M80-8881005 | 5+5             | 01E9575   | 6.76       |
| ● M80-8881205 | 6+6             | 01E9576   | 7.23       |
| ● M80-8881405 | 7+7             | 87H7844   | 8.09       |
| ● M80-8881605 | 8-8             | 65H5738   | 8.22       |
| ● M80-8881805 | 9+9             | 97H2530   | 9.18       |
| ● M80-8882005 | 10+10           | 01E9577   | 9.96       |
| ● M80-8883405 | 17+17           | 67H8620   | 14.32      |

#### LARGE BORE FEMALE - CRIMP RECEPTACLES - FIG. 3

|               |       |         |       |
|---------------|-------|---------|-------|
| ● M80-8890405 | 2+2   | 97H2520 | 3.02  |
| ● M80-8890805 | 4+4   | 81H2096 | 5.60  |
| ● M80-8891605 | 8-8   | 86H3531 | 8.22  |
| ● M80-8892605 | 13+13 | 87H9439 | 11.12 |

#### FEMALE - PC BOARD RECEPTACLES - FIG. 4

|               |     |         |      |
|---------------|-----|---------|------|
| ● M80-8500442 | 2+2 | 69K7323 | 2.06 |
| ● M80-8500642 | 3+3 | 69K7324 | 2.75 |
| ● M80-8501042 | 5+5 | 69K7326 | 4.87 |

(94393)

### 3.70mm (0.146") FLEXI-MATE BOARD-TO-BOARD AND WIRE-TO-BOARD CONNECTOR SYSTEM

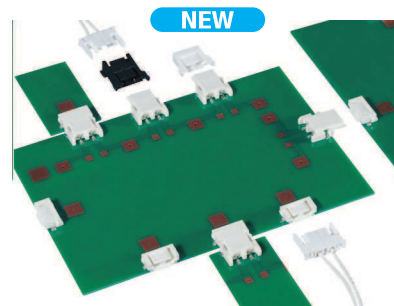
## molex

#### Features

- Board-to-board, wire-to-board and terminator options
- Positive side latches on crimp housing
- Dual-contact wire-to-board and board-to-board terminal design
- Mating guide features on PCB connectors
- Shrouded contacts

#### Benefits

- Meets needs of LED TVs and lighting equipment that use interconnecting LED panels
- Space savings and easy mating/unmating
- Ensures reliable electrical contact
- Help facilitate mating and provide smooth insertion
- Protects contact area



Designed to meet the backlighting needs of LED TVs and room lighting applications, Molex's new Flexi-Mate family of connectors is the first of its kind on the market to provide a full range of both board-to-board and wire-to-board solutions. Molex's Flexi-Mate system includes board-to-board connectors that are used to snap together small panels containing LED lights and a wire-to-board option to connect the LED boards to the main power board. A terminating connector is also available that is used as a type of shorting device to complete an open-loop signal. The 3.00mm (.118") mated height meets the needs of TV and room lighting units that continue to strive for thinner designs. Other key features include a dual-contact terminal design for secure electrical contact, space-saving positive side locks for wire-to-board connections, and guide features that help facilitate mating and protect terminals during mating and unmating.

#### CRIMP TERMINALS

| Mfg. Part No. | Wire Size | Plating | Stock No. | Price Each |
|---------------|-----------|---------|-----------|------------|
|               |           |         |           | 1-9        |
| 503485-0000   | 28-26     | Tin     | 24T5879   | 0.15       |

#### CRIMP HOUSING

| Mfg. Part No. | Circuits | Gender | Stock No. | Price Each |
|---------------|----------|--------|-----------|------------|
|               |          |        |           | 1-9        |
| 503473-0200   | 2        | Plug   | 24T5877   | 0.89       |

#### RIGHT ANGLE PC BOARD CONNECTORS

|             |   |            |         |      |
|-------------|---|------------|---------|------|
| 503469-0200 | 2 | Plug       | 99R5661 | 1.13 |
| 503471-0200 | 2 | Receptacle | 99R5662 | 1.01 |

#### TERMINATOR

|             |   |            |         |      |
|-------------|---|------------|---------|------|
| 503474-0200 | 2 | Receptacle | 24T5878 | 0.50 |
|-------------|---|------------|---------|------|

(192410)

PC BOARD HEADERS & SOCKETS

DATAMATE TOOLS AND ACCESSORIES



HARWIN



ACCESSORIES

| Mfg. Part No. | Description          | Stock No. | Price Each |  |
|---------------|----------------------|-----------|------------|--|
|               |                      |           | 1-9        |  |
| ● M80-0030006 | Strain Relief Straps | 01E9518   | 0.45       |  |

TOOLING

| Mfg. Part No. | Description   | Stock No. | Price Each |
|---------------|---|-----------|------------|
| M22520/2-01   | Standard MIL Spec Circular Crimp Tool                     | 01E9487   | 464.81     |
| T5747         | Positioner for Mfg. Part No. M22520/2-01 Crimp Tool       | 01E9679   | 92.40      |
| Z80-280       | Insertion/Removal Tool for Male and Female Crimp Contacts | 28K1493   | 127.40     |
| T5746         | Separator Tool  | 01E9678   | 53.47      |

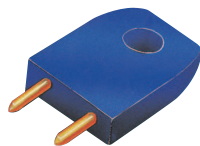
(94394)

1.00mm (0.039") INSULATED AND UNINSULATED PC BOARD PLUGS



HARWIN

Insulated gold-plated brass plugs are color-coded red or black. Non-insulated brass plugs are available with gold or tin plating. Current rating: 10A @ 20°C. For full dimensional information go online or call



D3086-99

INSULATED PLUGS

| Mfg. Part No. | Color | Pitch (mm) | Stock No. | Price Each |         |
|---------------|-------|------------|-----------|------------|---------|
|               |       |            |           | 1-99       | 100-499 |
| ● D3086-99    | Red   | 5.08       | 01E9242   | 1.01       | 0.65    |
| ● D3086-98    | Black | 5.08       | 01E9241   | 0.84       | 0.63    |
| ● D3088-99    | Red   | 10.16      | 01E9246   | 0.89       | 0.66    |

UNINSULATED PLUGS

| Mfg. Part No. | Plating | Pitch (mm) | Stock No. | Price Each |         |
|---------------|---------|------------|-----------|------------|---------|
|               |         |            |           | 1-99       | 100-499 |
| ● D3080-05    | Gold    | 5.08       | 01E9238   | 0.38       | 0.20    |
| ● D3082-46    | Tin     | 10.16      | 69K7290   | 0.14       | 0.10    |

(78823)

SURFACE MOUNT JUMPER LINKS

NEW



HARWIN

- Designed to link PCB tracks where through hole links are not possible
- Typical applications include use on aluminium backplanes in power applications
- High current
- Small footprint
- Base Material: S1621: Copper Alloy; S1731: Copper Alloy
- Finish: Tin



S1621

S1731

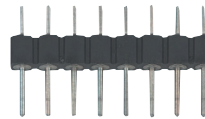
SMT jumper points for test and system analysis allow for linking between tracks and bridging over other tracks. SMT Jumper Links can simplify board layout and may eliminate unnecessary through holes and even a PCB layer

SURFACE MOUNT JUMPER LINKS - TIN - TAPE & REEL, SOLD INDIVIDUALLY

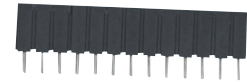
| Mfg. Part No. | Length (mm) | Width (mm) | Height (mm) | Stock No. | Price Each |  |
|---------------|-------------|------------|-------------|-----------|------------|--|
|               |             |            |             |           | 1-99       |  |
| ● S1621-46R   | 12.30       | 2.30       | 1.80        | 75R5334   | 0.24       |  |
| ● S1731-46R   | 6.86        | 2.54       | 2.54        | 75R5335   | 0.25       |  |

(78827)

SINGLE ROW SERIES INTERCONNECTS



Pin Header



Socket

- Interconnects Feature Straight Solder Tail
- Accept 0.030" Diameter and 0.025" Square Pins

- Current Rating: 4.5A

Mfg. part no. 800-10 pin header features 10µ" gold pins. Mfg. part no. 801-43 socket features 200µ" tin shells, 30µ" gold contacts/clips. Mfg. part no. 801-93 socket features 200µ" tin-lead shells, 30µ" gold contacts/clips.

| Mfg. Part No.          | Contacts | Length | Stock No. | Price Each |  |
|------------------------|----------|--------|-----------|------------|--|
|                        |          |        |           | 1-9        |  |
| 800-10-064-10-001000   | 64       | 6.400" | 16F4815   | 13.08      |  |
| 801-93-050-10-001000   | 50       | 5.000" | 16F4817   | 12.34      |  |
| ● 801-43-050-10-001000 | 50       | 5.000" | 04M4082   | 27.85      |  |

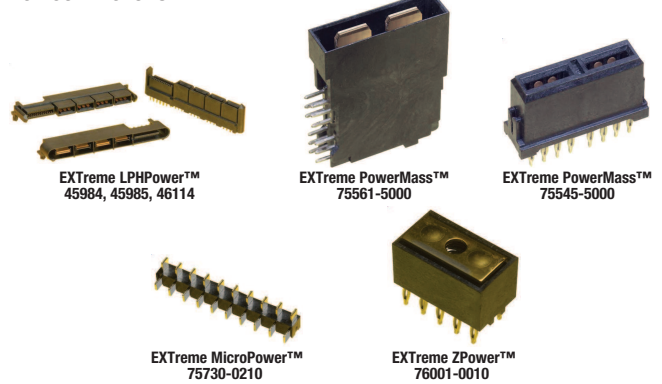
(4819)

EXTREME POWER HIGH CURRENT PCB CONNECTORS

NEW



molex



EXTreme LPHPower™ 45984, 45985, 46114

EXTreme PowerMass™ 75561-5000

EXTreme PowerMass™ 75545-5000

EXTreme MicroPower™ 75730-0210

EXTreme ZPower™ 76001-0010

Extreme Power® family of high-current power interconnect products is comprised of several offerings that cover a wide range of current densities, mating terminations, and configuration choices that give system designers the ability to maximize power without wasting board space.

EXTREME LPHPOWER™ LOW-PROFILE HYBRID POWER CONNECTORS

Extreme LPHPower™ is a mixed, high-current power and signal connector system designed with power blades parallel to the PCB board. Its extremely low-profile 7.50mm (.295") height enhances system airflow and provides up to 127A per linear inch of board space. Two isolated power blades per housing bay and can be mated in a right-angle, co-planar or vertical orientation. Mates in a traditional two-piece connector system, or as a one-piece receptacle-to-card edge / bus-bar application. Black thermoplastic housing, flammability rated UL94V-0. Copper alloy power contacts and phosphor bronze signal contacts both plated with select gold in contact area, tin on solder tail with nickel under all. Voltage rating: 250V max. Current rating (at 30°C temp. rise): 30A Power/1A Signal max.

| Mfg. Part No. | Description            | No. of Contacts |        | Guide Pockets & Press-Fit Pegs | Stock No. | Price Each |  |
|---------------|------------------------|-----------------|--------|--------------------------------|-----------|------------|--|
|               |                        | Power           | Signal |                                |           | 1-9        |  |
| ● 45985-4422  | Right-Angle Header     | 4               | 16     | Yes                            | 55R9978   | 10.03      |  |
| ● 45985-4442  | Right-Angle Header     | 4               | 24     | Yes                            | 55R9984   | 9.81       |  |
| ● 45985-6442  | Right-Angle Header     | 6               | 24     | Yes                            | 56R0081   | 10.91      |  |
| ● 45985-6462  | Right-Angle Header     | 6               | 32     | Yes                            | 56R0087   | 13.85      |  |
| ● 45985-8442  | Right-Angle Header     | 8               | 24     | Yes                            | 56R0177   | 12.01      |  |
| ● 45985-8462  | Right-Angle Header     | 8               | 32     | Yes                            | 56R0183   | 12.90      |  |
| ● 45985-1422  | Right-Angle Header     | 10              | 16     | Yes                            | 55R9882   | 12.49      |  |
| ● 45985-1462  | Right-Angle Header     | 10              | 32     | Yes                            | 55R9894   | 16.49      |  |
| ● 45984-4422  | Right-Angle Receptacle | 4               | 16     | Yes                            | 55R9596   | 12.36      |  |
| ● 45984-4122  | Right-Angle Receptacle | 4               | 16     | No                             | 55R9524   | 8.89       |  |
| ● 45984-4442  | Right-Angle Receptacle | 4               | 24     | Yes                            | 55R9602   | 11.64      |  |
| ● 45984-4142  | Right-Angle Receptacle | 4               | 24     | No                             | 55R9530   | 13.30      |  |
| ● 45984-6442  | Right-Angle Receptacle | 6               | 24     | Yes                            | 55R9696   | 11.26      |  |
| ● 45984-6142  | Right-Angle Receptacle | 6               | 24     | No                             | 55R9625   | 10.26      |  |
| ● 45984-6462  | Right-Angle Receptacle | 6               | 32     | Yes                            | 55R9702   | 11.85      |  |
| ● 45984-6162  | Right-Angle Receptacle | 6               | 32     | No                             | 55R9631   | 10.85      |  |
| ● 45984-8442  | Right-Angle Receptacle | 8               | 24     | Yes                            | 55R9792   | 12.62      |  |
| ● 45984-8142  | Right-Angle Receptacle | 8               | 24     | No                             | 55R9720   | 12.44      |  |
| ● 45984-8462  | Right-Angle Receptacle | 8               | 32     | Yes                            | 55R9798   | 13.21      |  |
| ● 45984-8162  | Right-Angle Receptacle | 8               | 32     | No                             | 55R9726   | 13.08      |  |
| ● 45984-1422  | Right-Angle Receptacle | 10              | 16     | Yes                            | 55R9501   | 17.78      |  |
| ● 45984-1122  | Right-Angle Receptacle | 10              | 16     | No                             | 55R9429   | 16.45      |  |
| ● 45984-1462  | Right-Angle Receptacle | 10              | 32     | Yes                            | 33P6100   | 19.36      |  |
| ● 45984-1162  | Right-Angle Receptacle | 10              | 32     | No                             | 55R9441   | 14.53      |  |
| ● 46114-2121  | Vertical Receptacle    | 2               | 12     | No Guides                      | 56R0353   | 4.98       |  |
| ● 46114-2161  | Vertical Receptacle    | 2               | 16     | No Guides                      | 56R0355   | 5.25       |  |
| ● 46114-4160  | Vertical Receptacle    | 4               | 16     | With Guides                    | 56R0370   | 7.24       |  |
| ● 46114-4161  | Vertical Receptacle    | 4               | 16     | No Guides                      | 56R0371   | 7.40       |  |

➤ CONTINUED ➤

## PC BOARD HEADERS & SOCKETS

### EXTREME POWER HIGH CURRENT PCB CONNECTORS (CONT.)

| Mfg. Part No. | Description         | No. of Contacts |        | Guide Pockets & Press-Fit Pegs | Stock No. | Price Each |  |
|---------------|---------------------|-----------------|--------|--------------------------------|-----------|------------|--|
|               |                     | Power           | Signal |                                |           | 1-9        |  |
| ● 46114-4240  | Vertical Receptacle | 4               | 24     | With Guides                    | 56R0374   | 8.53       |  |
| ● 46114-4241  | Vertical Receptacle | 4               | 24     | No Guides                      | 56R0375   | 8.70       |  |
| ● 46114-6240  | Vertical Receptacle | 6               | 24     | With Guides                    | 56R0390   | 9.22       |  |
| ● 46114-6241  | Vertical Receptacle | 6               | 24     | No Guides                      | 56R0391   | 9.39       |  |
| ● 46114-6320  | Vertical Receptacle | 6               | 32     | With Guides                    | 56R0394   | 10.48      |  |
| ● 46114-6321  | Vertical Receptacle | 6               | 32     | No Guides                      | 56R0395   | 10.00      |  |
| ● 46114-8240  | Vertical Receptacle | 8               | 24     | With Guides                    | 56R0406   | 10.50      |  |
| ● 46114-8241  | Vertical Receptacle | 8               | 24     | No Guides                      | 56R0407   | 9.85       |  |
| ● 46114-8320  | Vertical Receptacle | 8               | 32     | With Guides                    | 56R0409   | 13.02      |  |
| ● 46114-8321  | Vertical Receptacle | 8               | 32     | No Guides                      | 56R0410   | 11.35      |  |
| ● 46114-1016  | Vertical Receptacle | 10              | 16     | With Guides                    | 56R0306   | 12.03      |  |
| ● 46114-1017  | Vertical Receptacle | 10              | 16     | No Guides                      | 56R0307   | 11.52      |  |
| ● 46114-1032  | Vertical Receptacle | 10              | 32     | With Guides                    | 56R0314   | 16.39      |  |
| ● 46114-1033  | Vertical Receptacle | 10              | 32     | No Guides                      | 56R0315   | 12.74      |  |
| ● 46114-1225  | Vertical Receptacle | 12              | 24     | No Guides                      | 56R0327   | 13.50      |  |
| ● 46114-1425  | Vertical Receptacle | 14              | 24     | No Guides                      | 56R0343   | 14.89      |  |

### EXTREME POWERMASS™ HIGH-CURRENT CONNECTORS

EXTreme PowerMass™ high-current, custom-configurable, board-to-board, modular connector system delivers up to 380A per inch of board space. Press-fit or solder-board termination for easy, reliable board mounting. Durable aligner guides provide blind-mating capabilities. Designed to support power supplies and systems requiring very high-current transfer in challenging and thermal-constrained spaces. LCP housing, flammability rated UL94V-0. Copper alloy contacts, plated with 30µ" gold in contact area, 150µ" tin on solder tail and 50µ" nickel under all.

| Mfg. Part No. | Description         | No. of Circuits | Mount Type | Rating Amps/ Volts | Stock No. | Price Each |  |
|---------------|---------------------|-----------------|------------|--------------------|-----------|------------|--|
|               |                     |                 |            |                    |           | 1-9        |  |
| ● 75556-5000  | Right-Angle Header  | 1               | Solder     | 150 / 600          | 56R8768   | 8.64       |  |
| ● 75561-5000  | Right-Angle Header  | 2               | Solder     | 80* / 450          | 56R8779   | 5.11       |  |
| ● 75542-5000  | Vertical Receptacle | 1               | Press-Fit  | 150 / 600          | 56R8745   | 6.11       |  |
| ● 75545-5000  | Vertical Receptacle | 2               | Press-Fit  | 80* / 450          | 56R8747   | 4.69       |  |

\*40A per circuit (2 circuits)

### EXTREME MICROPOWER™ 4MM (0.157") PITCH HIGH-CURRENT HEADERS

EXTreme MicroPower™ high-current, right-angle headers can be used in VRM / DC-DC converters or any board-to-board application where power transfer is needed through a non-separable interface in a compact design. Offers high-current density, rated at 16A per blade at 30°C T-rise. Low profile design of 4.17mm (0.164") off the PCB enhances system airflow. Black, LCP housing, flammability rated UL94V-0. Single inline row of direct solder copper alloy blades, plated with 100µ" select matte tin over 50µ" nickel. Voltage: 250V max.

| Mfg. Part No. | Description        | No. of Circuits | Mount Type | Stock No. | Price Each |  |
|---------------|--------------------|-----------------|------------|-----------|------------|--|
|               |                    |                 |            |           | 1-9        |  |
| ● 75730-0207  | Right-Angle Header | 7               | Solder     | 56R8942   | 2.13       |  |
| ● 75730-0210  | Right-Angle Header | 10              | Solder     | 56R8945   | 2.82       |  |
| ● 75730-0216  | Right-Angle Header | 16              | Solder     | 56R8948   | 4.21       |  |

### EXTREME ZPOWER™ HIGH-CURRENT CONNECTORS

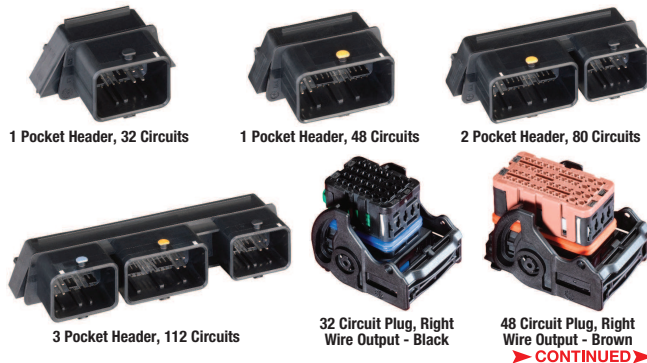
EXTreme ZPower™ high-current, one-piece ridged board-to-board connectors anchor to the base board with press-fit power pins and screw securely down from the top. Screw-contact interface accepts standard wire-crimp, ring-lug terminals for wire-to-board applications. These 30A and 50A headers not only transfer power between boards, but can double as an effective stand-off. Used in a variety of applications and industries where power connection between parallel boards or bus bars is necessary in a condensed space. Black LCP housing, flammability rated UL94V-0. Copper alloy pins are plated with 30µ" gold in contact area, 100µ" matte tin on solder tail and 50µ" nickel under all. Press-fit PCB thickness: 0.093" min. Voltage rating: 250V.

| Mfg. Part No. | Description     | No. of Contacts | Mount Type | Current (A) | Stock No. | Price Each |  |
|---------------|-----------------|-----------------|------------|-------------|-----------|------------|--|
|               |                 |                 |            |             |           | 1-9        |  |
| ● 76001-0006  | Vertical Header | 6               | Press-Fit  | 30          | 56R9428   | 2.48       |  |
| ● 76001-0010  | Vertical Header | 10              | Press-Fit  | 50          | 56R9429   | 4.04       |  |

(190321)

### CMC HYBRID CONNECTORS - STANDARD AND POWER VERSIONS

**NEW**



1 Pocket Header, 32 Circuits

1 Pocket Header, 48 Circuits

2 Pocket Header, 80 Circuits

3 Pocket Header, 112 Circuits

32 Circuit Plug, Right Wire Output - Black

48 Circuit Plug, Right Wire Output - Brown

➔ CONTINUED ➔

### CMC HYBRID CONNECTORS - STANDARD AND POWER VERSIONS (CONT.)

- Housing: Glass filled PBT
- Voltage: 250 VAC
- Current: CP 0.635mm (.025") - 6A max.; CP 1.50mm (.059") - 12A max.
- Contact resistance: 0.635mm (.025") - 8 mΩ max.; 1.50mm (.059") - 4 mΩ max.
- Dielectric withstanding voltage: 1000V AC for 1 minute
- Insulation resistance: 100 Megohms min.
- Operating temperature: -40 to +125°C



Wire Cap

The CMC connector family from Molex is a sealed, high-density connection system developed for the transportation industry. It is designed to perform in high-conductivity applications and in harsh environments. CMC connection systems are used in power train applications including engine-control units (ECUs), compartment applications, gearboxes, electronic parking brakes and suspension controllers, together with body electronics applications in automotive and commercial vehicles. Standard CMC hybrid connectors hold two different terminal sizes, CP 0.635mm (.025") and CP 1.50mm (.059"). Power CMC hybrid connectors hold three different terminal sizes, CP0.635mm (.025"), CP 1.50mm (.059") and CP 2.80mm (.110").

| Mfg. Part No. | No. of Contacts | Gender | Description              | Stock No. | Price Each |  |
|---------------|-----------------|--------|--------------------------|-----------|------------|--|
|               |                 |        |                          |           | 1-9        |  |
| 64334-0100    | 32              | Header | 1 Pocket CMC Header      | 29T5827   | 3.69       |  |
| 500762-0481   | 48              | Header | 1 Pocket CMC Header      | 56R0958   | 4.99       |  |
| 502225-0801   | 80              | Header | 2 Pocket CMC Header      | 29T5820   | 8.50       |  |
| 64333-0100    | 112             | Header | 3 Pocket CMC Header      | 29T5826   | 9.42       |  |
| 64319-1218    | 32              | Plug   | Grey, Left Wire Output   | 56R5042   | 8.02       |  |
| 64319-3211    | 32              | Plug   | Black, Right Wire Output | 56R5045   | 10.45      |  |
| 64320-1319    | 48              | Plug   | Brown, Left Wire Output  | 01P5231   | 11.32      |  |
| 64320-3311    | 48              | Plug   | Black, Right Wire Output | 25R1932   | 11.49      |  |
| 64320-3319    | 48              | Plug   | Brown, Right Wire Output | 02P5988   | 16.34      |  |

(194833)

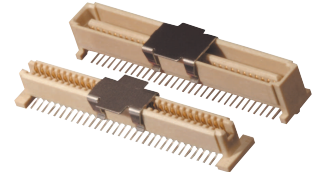
### ACCESSORIES

| Mfg. Part No. | Description                   | Stock No. | Price 1-9 |
|---------------|-------------------------------|-----------|-----------|
| ● 64319-1201  | Wire Cap for 32 Contact Plugs | 56R5040   | 0.77      |
| ● 64320-1301  | Wire Cap for 48 Contact Plugs | 56R5050   | 0.87      |

### 0.039" (1.00mm) MEZZANINE IEEE 1386 CONNECTORS



- 64 circuit with locating pegs
- Meets IEEE 1386 standard
- Current: 1.0A
- Lead-free process compatible



The dual row smt 71436 series plug and 71439 series receptacle have been designed in accordance with EIA standards 700 AAAB for 1.0mm two-part connectors for use with parallel printed boards. They feature a leaf style design that protects pins, low insertion force and antilux design.

### 71436 SERIES PLUGS

| Mfg. Part No. | Circuits | Pegs | Packaging   | Stock No. | Price Each |      |
|---------------|----------|------|-------------|-----------|------------|------|
|               |          |      |             |           | 1-4        | 5-9  |
| ● 71436-0164  | 64       | Yes  | Tube        | 84C9470   | 4.29       | 4.01 |
| ● 71436-1164  | 64       | Yes  | Tube        | 01E8901   | ---        | ---  |
| ● 71436-2164* | 64       | Yes  | Tube        | 59H4013   | 8.11       | 7.72 |
| ● 71436-2464* | 64       | Yes  | Tape & Reel | 59H4016   | 6.84       | 6.84 |
| ● 71436-2864* | 64       | No   | Tape & Reel | 25M5179   | 5.51       | 5.51 |

### 71439 SERIES RECEPTACLES

|               |    |     |             |         |      |      |
|---------------|----|-----|-------------|---------|------|------|
| ● 71439-0164* | 64 | No  | Tube        | 59H4020 | 5.86 | 5.68 |
| ● 71439-0364* | 64 | Yes | Tube        | 59H4021 | 5.19 | 5.19 |
| ● 71439-0864  | 64 | No  | Tape & Reel | 59H4025 | 3.29 | 3.29 |
| ● 71439-1164  | 64 | Yes | Tube        | 97C5312 | 5.83 | 5.31 |
| ● 71439-2164  | 64 | Yes | Tube        | 31M8481 | 4.98 | 4.53 |
| ● 71439-3464* | 64 | Yes | Tape & Reel | 59H4039 | ---  | ---  |

\* With Pick and Place Cap (68842)

(196525)

## Your peers value your opinion

Be sure to rate products online by clicking on review links on product detail pages.



**1.00mm (0.039") PICO-CLASP WIRE-TO-BOARD CONNECTORS**



- Voltage: 50 V
- Current: 1.0 A max.
- Contact: Tin plated Phosphor Bronze
- Wire Size: 28 to 32 AWG
- Insulation Diameter: 0.08mm (0.031") max.
- Wire Strip Length: 1.00 to 1.30 mm (0.039 to 0.051")
- Operating Temperature: -40° to +85° C

The new 1.00mm (0.039") pitch wire-to-board connector system from Molex was developed for various connections in Flat Panel Displays (FPD). The compact, small-circuit size features of this system also make it ideal for other applications such as Notebook PCs and other compact devices. The system is offered in both single and dual row versions. Friction and positive locks are offered for various application needs. Other features include mating guides, solder tabs and footprint compatibility with some competitive versions. Crimp terminals feature box-shaped design that provides 2 points of contact for secure electrical connection. Use with 501330 series housings.



**501334 SERIES CRIMP TERMINALS**

| Mfg. Part No. | AWG   | Packaging | Stock No. | Price Each |
|---------------|-------|-----------|-----------|------------|
| ● 501334-0000 | 32-28 | Reel      | 08P0702   | 0.03       |
| ● 501334-0100 | 32-28 | Bag       | 08P0703   | 0.15       |

**92001 SERIES PRE-TERMINATED LEAD**

| Mfg. Part No. | Description                             | Stock No. | Price Each    |
|---------------|---|-----------|---------------|
| ● 92001-1198  | Single Ended Pre-Terminated Lead, 300mm | 85R5885   | 1-249<br>0.60 |

**501330 SERIES SINGLE ROW INNER LOCK RECEPTACLE HOUSINGS**

| Mfg. Part No. | Circuits | Stock No. | Price Each    |
|---------------|----------|-----------|---------------|
| 501330-0200   | 2        | 56R1013   | 1-499<br>0.15 |
| 501330-0300   | 3        | 56R1014   | 0.20          |
| 501330-0400   | 4        | 56R1015   | 0.22          |
| 501330-0500   | 5        | 56R1016   | 0.21          |
| 501330-0600   | 6        | 56R1017   | 0.23          |
| 501330-0700   | 7        | 56R1018   | 0.31          |
| 501330-0800   | 8        | 56R1019   | 0.21          |
| 501330-0900   | 9        | 20M6323   | 0.24          |
| 501330-1000   | 10       | 56R1020   | 0.31          |
| 501330-1100   | 11       | 56R1021   | 0.36          |
| 501330-1200   | 12       | 56R1022   | 0.32          |
| 501330-1300   | 13       | 56R1023   | 0.43          |
| 501330-1400   | 14       | 56R1024   | 0.40          |
| 501330-1500   | 15       | 56R1025   | 0.39          |

**501331 SERIES SINGLE ROW INNER LOCK STRAIGHT HEADERS**

|             |    |         |      |
|-------------|----|---------|------|
| 501331-0207 | 2  | 56R1026 | 0.55 |
| 501331-0307 | 3  | 56R1027 | 0.68 |
| 501331-0407 | 4  | 56R1028 | 0.65 |
| 501331-0507 | 5  | 56R1029 | 0.58 |
| 501331-0607 | 6  | 56R1030 | 0.65 |
| 501331-0707 | 7  | 56R1031 | 0.79 |
| 501331-0807 | 8  | 56R1032 | 0.91 |
| 501331-0907 | 9  | 56R1033 | 0.88 |
| 501331-1007 | 10 | 56R1034 | 0.78 |
| 501331-1107 | 11 | 56R1035 | 1.04 |
| 501331-1207 | 12 | 56R1036 | 0.84 |
| 501331-1307 | 13 | 56R1037 | 1.16 |
| 501331-1407 | 14 | 56R1038 | 1.34 |
| 501331-1507 | 15 | 56R1039 | ---  |

**501568 SERIES SINGLE ROW INNER LOCK RIGHT ANGLE HEADERS**

|               |   |         |      |
|---------------|---|---------|------|
| ● 501568-0607 | 6 | 07P8656 | 0.63 |
|---------------|---|---------|------|

**501189 SERIES DUAL ROW INNER LOCK RECEPTACLE HOUSINGS**

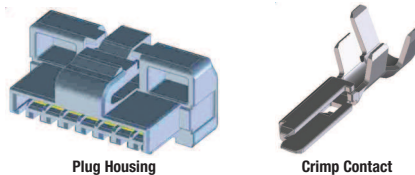
|               |    |         |      |
|---------------|----|---------|------|
| 501189-2010   | 20 | 56R0996 | 0.34 |
| 501189-3010   | 30 | 56R0997 | 0.39 |
| 501189-4010   | 40 | 56R0998 | 0.45 |
| ● 501189-5010 | 50 | 56R0999 | 0.56 |

**501190 SERIES SURFACE MOUNT, VERTICAL, DUAL ROW PCB HEADERS**

|                |    |         |      |
|----------------|----|---------|------|
| ● 501190-2017* | 20 | 07P8655 | 1.63 |
| 501190-2027    | 20 | 56R1000 | ---  |
| 501190-3027    | 30 | 56R1002 | 2.96 |
| 501190-4027    | 40 | 56R1004 | ---  |
| 501190-5027    | 50 | 56R1006 | 4.51 |

\*With Pick-and-Place Tape (134605)

**1.25mm (0.049") CLIK-MATE WIRE-TO-BOARD CONNECTORS**



**Features**

- Robust positive inner locks
- Tuning fork style contact design
- Low insertion force
- Reinforced metal solder tabs
- Flat area for pick-and-place

**Specifications**

- Current: 1.0A
- Voltage: 50V
- Contact resistance: 20 mohms max.
- Insulation Resistance 100 Mohms min.
- Operating Temperature: -25°C to +85°C

**502381 SERIES 1.25mm WIRE-TO-BOARD CRIMP TERMINAL**

| Mfg. Part No. | Wire Size | Stock No. | Price Each  |
|---------------|-----------|-----------|-------------|
| ● 502381-0000 | 28-26     | 11R0573   | 1-9<br>0.18 |

**502380 SERIES WIRE-TO-BOARD PLUG HOUSING, SINGLE ROW, POSITIVE LOCK**

| Mfg. Part No. | Circuits | Gender | Stock No. | Price Each |
|---------------|----------|--------|-----------|------------|
| ● 502380-0400 | 4        | Plug   | 11R0569   | 0.56       |
| ● 502380-0600 | 6        | Plug   | 11R0570   | 0.70       |
| ● 502380-0800 | 8        | Plug   | 11R0571   | 0.66       |
| ● 502380-1200 | 12       | Plug   | 11R0572   | 0.60       |

**502382 SERIES WIRE-TO-BOARD PCB RECEPTACLES, SINGLE ROW, VERTICAL**

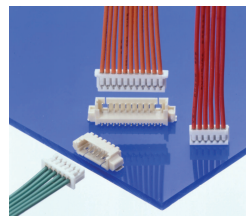
|               |    |            |         |      |
|---------------|----|------------|---------|------|
| ● 502382-0470 | 4  | Receptacle | 11R0574 | 1.78 |
| ● 502382-0670 | 6  | Receptacle | 11R0575 | 1.82 |
| ● 502382-0870 | 8  | Receptacle | 11R0576 | 2.09 |
| ● 502382-1270 | 12 | Receptacle | 11R0577 | 2.70 |

**502386 SERIES WIRE-TO-BOARD PCB RECEPTACLES, SINGLE ROW, RIGHT-ANGLE**

|               |    |            |         |      |
|---------------|----|------------|---------|------|
| ● 502386-0470 | 4  | Receptacle | 11R0578 | 1.93 |
| ● 502386-0670 | 6  | Receptacle | 11R0579 | 1.96 |
| ● 502386-0870 | 8  | Receptacle | 11R0580 | 2.24 |
| ● 502386-1270 | 12 | Receptacle | 11R0581 | 2.87 |

(148717)

**PICOBLADE 0.049" (1.25) PITCH WIRE-TO-WIRE AND WIRE-TO-BOARD SYSTEMS**



NEW

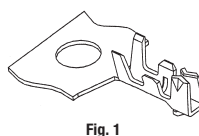


Fig. 1

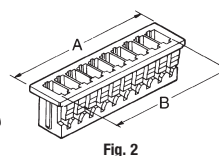


Fig. 2  
Wire-To-Wire and Wire-To-Board Receptacles

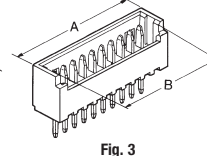


Fig. 3  
Wire-To-Board Headers

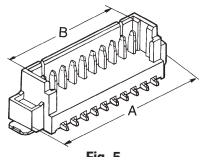


Fig. 5  
Wire-To-Board Headers

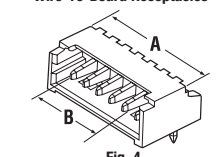


Fig. 4  
Wire-To-Board Headers

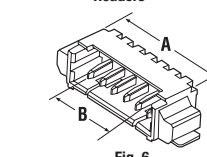


Fig. 6  
Wire-To-Board Headers

- Voltage: 125V
- Current: 1.0A (32AWG-0.8A)
- Contact Resistance: 20mΩ Max. Dielectric
- Withstanding Voltage: 250VAC, 1 Min.
- Insulation Resistance: 100mΩ Min.

- Insulation Diameter: 1.00 mm
- Housing: ½ Nylon, Rated UL94V-0
- Contact: Tin-Plated Phosphor Bronze
- Operating Temperature: -40°C to +85°C

These wire-to-board housings and headers are the smallest in the industry. They provide flexibility to organize a system to suit all requirements. PC board real estate saved for 10 circuits is 50% over 2.0mm pitch versions. The volume saved is 66%. 51021 series receptacles mate with 53398, 53261, 53047, 53048 series headers. New hand crimp tool terminates from a strip; enables building prototypes with ease. Female crimp terminals used with 51021 series receptacles, constructed of tin-plated phosphor bronze; sold in packages of 100.

➤ CONTINUED ➤

## PC BOARD HEADERS & SOCKETS

### PICOBLADE 0.049" (1.25) PITCH WIRE-TO-WIRE AND WIRE-TO-BOARD SYSTEMS (CONT.)

50079/50058 SERIES CRIMP TERMINALS - SOLD INDIVIDUALLY — FIG. 1

| Mfg. Part No. | Wire Range (AWG) | Stock No. | Price Each |         |
|---------------|------------------|-----------|------------|---------|
|               |                  |           | 1-99       | 100-999 |
| ● 50079-8100  | 28-26            | 85C4807   | 0.16       | 0.16    |
| ● 50058-8100  | 32-28            | 57H2111   | 0.22       | 0.22    |

50079/50058 SERIES CRIMP TERMINALS ON REELS - SOLD INDIVIDUALLY — FIG. 1

| Mfg. Part No. | Wire Range (AWG) | Stock No. | Price Each |
|---------------|------------------|-----------|------------|
| ● 50079-8000  | 28-26            | 77C4977   | 0.06       |

51021 SERIES RECEPTACLES — FIG. 2

| Mfg. Part No. | Circuits | Dimensions |        | Stock No. | Price Each |       |
|---------------|----------|------------|--------|-----------|------------|-------|
|               |          | A          | B      |           | 1-9        | 10-99 |
| ● 51021-0200  | 2        | 0.301"     | 0.049" | 38C9869   | 0.35       | 0.35  |
| ● 51021-0300  | 3        | 0.351"     | 0.099" | 57H2315   | 0.11       | 0.11  |
| ● 51021-0500  | 5        | 0.449"     | 0.197" | 57H2316   | 0.16       | 0.16  |
| ● 51021-0600  | 6        | 0.498"     | 0.246" | 94C5342   | 0.17       | 0.17  |
| ● 51021-0700  | 7        | 0.548"     | 0.296" | 57H2317   | 0.23       | 0.23  |
| ● 51021-0900  | 9        | 0.646"     | 0.394" | 01E9152   | 0.80       | 0.80  |
| ● 51021-1000  | 10       | 0.695"     | 0.443" | 57H2318   | 0.87       | 0.87  |
| ● 51021-1200  | 12       | 0.794"     | 0.542" | 57H2320   | 0.50       | 0.50  |
| ● 51021-1300  | 13       | 0.827"     | 0.591" | 28M9432   | 0.65       | 0.65  |
| ● 51021-1400  | 14       | 0.892"     | 0.640" | 23C9052   | 0.88       | 0.88  |
| ● 51021-1500  | 15       | 0.942"     | 0.690" | 57H2323   | 0.57       | 0.57  |

53047 SERIES THRU-HOLE VERTICAL HEADERS — FIG. 3

| Mfg. Part No. | Circuits | A      | B      | Stock No. | Price Each |
|---------------|----------|--------|--------|-----------|------------|
| ● 53047-0210  | 2        | 0.301" | 0.049" | 57H4701   | 0.23       |
| ● 53047-0310  | 3        | 0.351" | 0.099" | 38C9899   | 0.50       |
| ● 53047-0410  | 4        | 0.400" | 0.148" | 57H4703   | 0.35       |
| ● 53047-0510  | 5        | 0.449" | 0.197" | 38C9901   | 0.43       |
| ● 53047-0610  | 6        | 0.498" | 0.246" | 57H4706   | 0.79       |
| ● 53047-1110  | 11       | 0.745" | 0.493" | 18M8168   | ---        |
| ● 53047-1210  | 12       | 0.794" | 0.542" | 18M8169   | ---        |

53048 SERIES THRU-HOLE RIGHT-ANGLE HEADERS — FIG. 4

| Mfg. Part No. | Circuits | A      | B      | Stock No. | Price Each |
|---------------|----------|--------|--------|-----------|------------|
| ● 53048-0210  | 2        | 0.301" | 0.049" | 57H4718   | 0.46       |
| ● 53048-0410  | 4        | 0.400" | 0.148" | 57H4721   | 0.27       |
| ● 53048-0610  | 6        | 0.498" | 0.246" | 38C9911   | 0.59       |
| ● 53048-0810  | 8        | 0.597" | 0.345" | 38C9913   | 1.26       |
| ● 53048-1210  | 12       | 0.794" | 0.542" | 71H4145   | 1.63       |
| ● 53048-1410  | 14       | 0.892" | 0.640" | 18M8174   | 1.84       |

53398 SERIES SMT VERTICAL HEADERS — FIG. 5

| Mfg. Part No. | Circuits | A      | B      | Stock No. | Price Each |
|---------------|----------|--------|--------|-----------|------------|
| ● 53398-0271  | 2        | 0.301" | 0.049" | 07P8661   | 1.40       |
| ● 53398-0371  | 3        | 0.351" | 0.099" | 59J0407   | ---        |
| ● 53398-0571  | 5        | 0.449" | 0.197" | 07P8662   | 1.59       |
| ● 53398-0671  | 6        | 0.498" | 0.246" | 59J0416   | 1.93       |
| ● 53398-0871  | 8        | 0.597" | 0.345" | 50M7237   | 2.21       |
| ● 53398-0971  | 9        | 0.646" | 0.394" | 56R1876   | 1.82       |
| ● 53398-1071  | 10       | 0.695" | 0.443" | 56R1878   | 2.54       |
| ● 53398-1371  | 13       | 0.827" | 0.591" | 59J0430   | 3.63       |
| ● 53398-1471  | 14       | 0.892" | 0.640" | 07P8663   | 1.40       |

53261 SERIES SMT RIGHT-ANGLE HEADERS — FIG. 6

| Mfg. Part No. | Circuits | A      | B      | Stock No. | Price Each |
|---------------|----------|--------|--------|-----------|------------|
| ● 53261-0271  | 2        | 0.301" | 0.049" | 08N1661   | 1.13       |
| ● 53261-0471  | 4        | 0.400" | 0.148" | 05N1159   | 1.50       |
| ● 53261-0571  | 5        | 0.449" | 0.197" | 59J0237   | 1.48       |
| ● 53261-0671  | 6        | 0.498" | 0.246" | 59J0238   | 1.57       |
| ● 53261-0771  | 7        | 0.548" | 0.296" | 59J0239   | 2.15       |
| ● 53261-0871  | 8        | 0.597" | 0.345" | 59J0240   | 1.82       |
| ● 53261-1071  | 10       | 0.695" | 0.443" | 56R1838   | 2.61       |

CRIMP TOOL FOR 0.049" (1.25) APPLICATIONS

| Mfg. Part No. | Description   | Stock No. | Price Each |        |
|---------------|---|-----------|------------|--------|
|               |   |           | 1-4        | 5-99   |
| 63819-0300    | Ratcheting Crimp Tool for 50058, 50061, 50079, 50080 Series Terminals     | 12P9132   | 237.01     | 237.01 |
| 63819-0400    | Ratcheting Crimp Tool for 50058, 50079, 50125, and 50133 Series Terminals | 12P9133   | 359.10     | 359.10 |

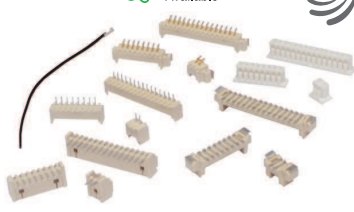
(8456)

### 1.25mm WIRE-TO-BOARD SYSTEM

NEW



- Housing: Thermoplastic
- Header Contacts: Tin plated copper alloy
- Crimp Terminals: Tin plated phosphor bronze
- Contact Resistance: 20mΩ max.min. (minimum)
- Voltage Rating: 125 VAC/VDC
- Current Rating: 1 A (0.8 A -32 AWG)
- Dielectric Withstand Voltage: 500 VAC/minute
- Crimping housing is polarized to prevent mis-mating with PCB header
- Crimping housing is equipped with friction locks to secure PCB header



CONTINUED

### 1.25mm WIRE-TO-BOARD SYSTEM (CONT.)

- PCB header material (resin) meets halogen free requirement
- Housing meets EU Industry Safety Standard
- UL approved

FCI's 1.25mm pitch wire-to-board connector series consists of terminals, crimp housings and PCB headers in straight and right angle, surface mount and through mount configurations. It is a single row design, available with from 2 to 20 circuits. Unlike many other products for the same applications, FCI's 1.25mm wire-to-board range conforms to the EU Industry Safety Standard, PCB header material meets halogen free requirements and the products can be operated in the temperature range from -40°C to +105°C.

CRIMP HOUSINGS

| Mfg. Part No.      | Positions | Stock No. | Price Each |       |
|--------------------|-----------|-----------|------------|-------|
|                    |           |           | 1-24       | 25-99 |
| ● 10114826-00002LF | 2         | 43T7509   | 0.03       | 0.02  |
| ● 10114826-00003LF | 3         | 43T7510   | 0.04       | 0.03  |
| ● 10114826-00004LF | 4         | 43T7511   | 0.05       | 0.04  |
| ● 10114826-00006LF | 6         | 43T7512   | 0.07       | 0.06  |

HEADERS - VERTICAL SURFACE MOUNT

| Mfg. Part No.      | Positions | Stock No. | 1-24 | 25-99 |
|--------------------|-----------|-----------|------|-------|
| ● 10114828-10102LF | 2         | 43T7514   | 0.24 | 0.19  |
| ● 10114828-10103LF | 3         | 43T7515   | 0.28 | 0.23  |
| ● 10114828-10104LF | 4         | 43T7516   | 0.28 | 0.24  |
| ● 10114828-10106LF | 6         | 43T7517   | 0.39 | 0.33  |

HEADERS - VERTICAL THROUGH HOLE

| Mfg. Part No.      | Positions | Stock No. | 1-24 | 25-99 |
|--------------------|-----------|-----------|------|-------|
| ● 10114829-10102LF | 2         | 43T7518   | 0.22 | 0.18  |
| ● 10114829-10103LF | 3         | 43T7519   | 0.25 | 0.20  |
| ● 10114829-10104LF | 4         | 43T7520   | 0.27 | 0.22  |
| ● 10114829-10106LF | 6         | 43T7521   | 0.29 | 0.25  |

CRIMP TERMINAL

| Mfg. Part No.    | AWG   | Stock No. | Price Each |       |
|------------------|-------|-----------|------------|-------|
|                  |       |           | 1-24       | 25-99 |
| ● 10114827-001LF | 32-28 | 43T7513   | ---        | ---   |

(195535)

### 0.049" (1.25) PITCH WIRE-TO-WIRE CRIMP TERMINAL

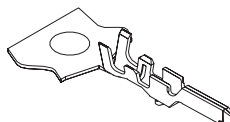


Fig. 1

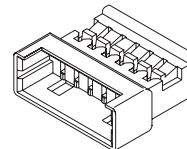


Fig. 2

- Voltage: 125V
- Contact Resistance: 20mΩ max.
- Dielectric Withstanding Voltage: 250V AC/1 min.
- Insulation Resistance: 100 MΩ min.

50125-50133 series are tin-plated, contact material is phosphor bronze. Used with 51047 series. 51047 series plug operating temperature -40 to +85°C, housing PBTP, UL 94V-0

50125-50133 SERIES CRIMP TERMINAL MALE FIG. 1

| Mfg. Part No. | Wire Range AWG | Strip Length mm | Stock No. | Price Each |         |
|---------------|----------------|-----------------|-----------|------------|---------|
|               |                |                 |           | 1-99       | 100-999 |
| ● 50125-8100  | 28-26          | 1.4 to 1.9      | 57H2138   | 0.15       | 0.15    |
| ● 50133-8100  | 32-28          | 1.4 to 1.9      | 57H2144   | 0.16       | 0.16    |

51047 SERIES PLUG FIG. 2

| Mfg. Part No. | Circuits | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-24       | 25-99 |
| ● 51047-0200  | 2        | 57H2429   | 0.21       | 0.21  |
| ● 51047-0300  | 3        | 57H2430   | 0.38       | 0.38  |
| ● 51047-0400  | 4        | 57H2431   | 0.12       | 0.12  |
| ● 51047-0600  | 6        | 89C2056   | 0.20       | 0.20  |
| ● 51047-0800  | 8        | 28M9434   | 0.24       | 0.24  |
| ● 51047-0900  | 9        | 28M9435   | 0.23       | 0.23  |
| ● 51047-1000  | 10       | 57H2436   | 0.30       | 0.30  |

(78232)

## NEW! Technical support hotline

Call 877.736.4835 to connect directly with our team of engineers or chat live 24/5 online.

(196553)

**1.25mm (0.049") MINI MI II™ WIRE-TO-BOARD CONNECTORS**



- Voltage: 100 V
- Current: 1.5 A
- Contact Resistance: 20 milliohms max.
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Insulation Resistance: 1000 Megohms min.
- Housing: Nylon, UL94V-0

- Contact: Tin plated Phosphor Bronze
- Wire Range: 26 to 28 AWG
- Insulation Range: 0.80 to 0.90mm (0.031 to 0.035") dia.
- Operating Temperature: -40°C to +105°C

Mini Mi II™ system wire-to-board receptacles provide secure and cost-effective IDT termination and a contact design that protects header pins during mating/unmating. Features a housing length designed for easy handling and IDT guide slots facilitate wire placement in addition to side ribs that provide polarization and locking to clip.

**54596 SERIES SINGLE ROW IDT RECEPTABLES**

| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-9        | 10-99 |
| ● 54596-0310  | 3        | Tin             | 07H9298   | ---        | ---   |
| ● 54596-0410  | 4        | Tin             | 02E2378   | ---        | ---   |
| ● 54596-0510  | 5        | Tin             | 57H6145   | ---        | ---   |
| ● 54596-2010  | 20       | Tin             | 57H6158   | 1.84       | 1.45  |

(134612)

**PANELMATE 1.25MM (.049") WIRE-TO-BOARD CRIMP TERMINALS/HOUSING/HEADERS**



- Voltage Rating: 125V
- Current Rating: 1A
- Contact Plating: Gold
- Contact Resistance: 20mΩ
- Dielectric Withstanding Voltage: 250 VAC
- Insulation Resistance: 100MΩ



Contact material: phosphor bronze. Wire range: 28 to 30 AWG. Strip length: 1.3 to 1.7mm. Housing material: pbt polyester. Header material: pps polyphenylene sulfide.

**WIRE-TO-BOARD CRIMP TERMINALS IN BAGS - (SOLD INDIVIDUALLY)**

| Mfg. Part. No | Contact Plating | Wire Insulation Diameter (mm) | Stock No. | Price Each |         |
|---------------|-----------------|-------------------------------|-----------|------------|---------|
|               |                 |                               |           | 1-99       | 100-499 |
| ● 50641-8141  | Gold            | 0.50-0.90                     | 57H2188   | 0.32       | 0.27    |

**WIRE-TO-BOARD CRIMP TERMINALS ON REELS - (SOLD INDIVIDUALLY)**

|              |      |           |         |      |      |
|--------------|------|-----------|---------|------|------|
| ● 50641-8041 | Gold | 0.50-0.90 | 57H2187 | 0.10 | 0.07 |
|--------------|------|-----------|---------|------|------|

**WIRE-TO-BOARD RECEPTACLE HOUSING**

| Mfg. Part No. | Circuits | Length mm (in.) | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-9        | 10-99 |
| ● 51146-1400  | 14       | 18.72 (0.737)   | 57H2705   | 0.85       | 0.73  |

**RIGHT-ANGLE SURFACE MOUNT HEADERS**

|              |    |               |         |      |      |
|--------------|----|---------------|---------|------|------|
| ● 53780-0470 | 4  | 10.15 (0.400) | 56R1897 | 2.21 | 1.83 |
| ● 53780-0570 | 5  | 11.40 (0.449) | 56R1898 | 2.42 | 1.67 |
| ● 53780-0770 | 7  | 13.90 (0.547) | 59J0620 | 3.00 | 2.25 |
| ● 53780-1470 | 14 | 22.65 (0.892) | 59J0624 | 1.85 | 1.85 |

(89592)

**1.27mm (0.050") PICOFLEX® PF-50 SERIES CONNECTORS**



Picoflex™ PF-50 connectors are rated 250 V, 1.2 A, UL 94V-0 rated, header contacts are tin or gold plated brass and receptacle contacts are tin or gold plated phosphor bronze. Operating Temperature: -40°C to +105°C. Headers feature polarizing side posts and PCB pegs, stamped contacts with in-line, flat blades, 2 points of contact with female terminal, rigid, staggered solder tails, and a friction lock fit. IDC receptacles feature a 1-piece housing assuring precise positioning of cables, molded-in polarization, 4 points of contact with ribbon cable, preloaded contacts that accept 28 or 26 AWG (7 strand) ribbon cable.

**90325 SERIES VERTICAL HEADERS**

| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-9        | 10-99 |
| ● 90325-0004  | 4        | Tin             | 60H4922   | ---        | ---   |
| ● 90325-0006  | 6        | Tin             | 83C7866   | ---        | ---   |
| ● 90325-0008  | 8        | Tin             | 60H4923   | ---        | ---   |
| ● 90325-0010  | 10       | Tin             | 60H4924   | ---        | ---   |
| ● 90325-0012  | 12       | Tin             | 85C2196   | ---        | ---   |
| ● 90325-0014  | 14       | Tin             | 60H4925   | 1.30       | 1.15  |
| ● 90325-3008  | 8        | Gold            | 60H4931   | ---        | ---   |

**90327 SERIES IDT RECEPTABLES**

|              |    |      |         |      |      |
|--------------|----|------|---------|------|------|
| ● 90327-0304 | 4  | Tin  | 77C6054 | ---  | ---  |
| ● 90327-0314 | 14 | Tin  | 60H4954 | 1.59 | 1.16 |
| ● 90327-3306 | 6  | Gold | 60H4974 | 1.13 | 0.97 |
| ● 90327-3326 | 26 | Gold | 60H4982 | 3.12 | 2.15 |

(134614)

**1.50mm (0.059") PLATEAU HS DOCK™ HIGH SPEED DOCKING CONNECTORS**



- Voltage: 12 VDC
- Current: 2.75A
- Contact Resistance: 30 milliohms max.
- Dielectric Withstanding Voltage: 500V AC
- Insulation Resistance: 1,000 Megohms min.
- Insertion Force to PCB: 35N max. per compliant pin
- Retention Force to PCB: 9N max. per compliant pin

- Mating Force: 80N max.
- Unmating Force: 20N min.
- Durability: 100 cycles
- Housing: Liquid Crystal Polymer, UL 94V-0
- Contact: Gold plated Copper Alloy; Tin on Tail area.
- PCB Thickness: 1.80mm (0.071")
- Operating Temperature: -20 to +85°C

Metal-plated plastic housing provides shielding for very low crosstalk and supports signal speeds in excess of 10 Gbps. Insert molded wafers for controlled impedance within plated signal channels. Various offset heights (from top of PCB) provide application design flexibility. Four levels of mating and guide features support hot pluggable applications, ensure proper mating and provide first-mate/last-break

**75018 SERIES - RIGHT ANGLE PLUGS**

| Mfg. Part No. | Circuits | Unmated Height | Stock No. | Price Each |       |
|---------------|----------|----------------|-----------|------------|-------|
|               |          |                |           | 1-9        | 10-99 |
| ● 75018-0025  | 108      | 13.78 mm       | 01J9497   | ---        | ---   |

**75019 SERIES - RIGHT ANGLE RECEPTABLES**

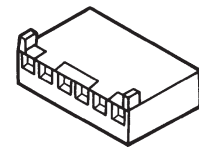
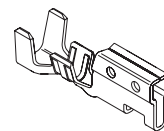
|              |     |          |         |     |     |
|--------------|-----|----------|---------|-----|-----|
| ● 75019-0015 | 144 | 9.98 mm  | 01J9501 | --- | --- |
| ● 75019-0017 | 108 | 11.33 mm | 01J9503 | --- | --- |

(136217)

**0.156" (3.96) PITCH SPOX™ CRIMP TERMINAL HEADERS AND HOUSINGS**



- Voltage: 250 V
- Current: 7.0 A max.
- Contact Resistance: 10 mΩ max.
- Dielectric Withstanding Voltage: 1500 VAC/1 min.
- Insulation Resistance: 1000 MΩ min.



Series 5194-5225

Series 43061

5194 series features 4-point contact, anti-fishhooking contact design, operating temperature -40 to +105°C. 43061 series features ramp and ribs provide 180° and side-to-side polarization, operating temperature 0 to +75°C. Spring box terminal design offer 4 points of contact; this interconnect system is recommended for severe environmental and high vibration applications. UL listed, CSA certified.

**5194 SERIES SPRING BOX CRIMP TERMINAL—SOLD INDIVIDUALLY**

| Mfg. Part No. | AWG   | Insulation Diameter | Wire Strip Length | Stock No. | Price Each |
|---------------|-------|---------------------|-------------------|-----------|------------|
|               |       |                     |                   |           | 1-99       |
| ● 08-70-1030  | 24-18 | 1.30-3.20mm         | 3.0-3.5mm         | 81C7566   | 0.20       |

**5273-NA SERIES VERTICAL HEADER - FRICTION LOCK**

| Mfg. Part No. | Circuits | Length (mm) | Stock No. | Price Each |
|---------------|----------|-------------|-----------|------------|
|               |          |             |           | 1-9        |
| ● 09-65-2038  | 3        | 11.12       | 81C8363   | 0.38       |
| ● 09-65-2048  | 4        | 15.08       | 54H7257   | 0.35       |
| ● 09-65-2058  | 5        | 19.04       | 92C2924   | 0.99       |
| ● 09-65-2068  | 6        | 23.00       | 54H7260   | 0.57       |
| ● 09-65-2088  | 8        | 30.92       | 54H7264   | ---        |

**5274-NA SERIES RIGHT ANGLE HEADER - FRICTION LOCK**

|              |   |       |         |     |
|--------------|---|-------|---------|-----|
| ● 09-75-2024 | 2 | 7.16  | 91C4728 | --- |
| ● 09-75-2034 | 3 | 11.12 | 26H7681 | --- |

**5277-NA SERIES VERTICAL HEADER - FRICTION LOCK**

|              |   |       |         |     |
|--------------|---|-------|---------|-----|
| ● 09-65-2029 | 2 | 11.12 | 54H7255 | --- |
|--------------|---|-------|---------|-----|

**43061 SERIES HOUSING**

|              |   |       |         |      |
|--------------|---|-------|---------|------|
| ● 43061-0002 | 2 | 9.06  | 95H7704 | 0.29 |
| ● 43061-0003 | 3 | 13.02 | 56H9743 | 0.29 |
| ● 43061-0004 | 4 | 16.98 | 28M9400 | 0.30 |
| ● 43061-0005 | 5 | 20.94 | 18M8103 | 0.39 |
| ● 43061-0006 | 6 | 24.90 | 56H9746 | 0.39 |

**5196-N SERIES HOUSING - FRICTION RAMP**

|              |   |       |         |      |
|--------------|---|-------|---------|------|
| ● 09-50-1023 | 2 | 13.02 | 54H6793 | 0.79 |
|--------------|---|-------|---------|------|

**5195 SERIES HOUSING - FRICTION RAMP**

|              |   |       |         |      |
|--------------|---|-------|---------|------|
| ● 09-50-1031 | 3 | 13.02 | 32H7334 | 0.43 |
| ● 09-50-1061 | 6 | 24.90 | 02E2092 | 1.04 |

(78159)

**Keep current on local/global legislation**

One source for the latest news on environmental laws, and expert answers to your questions.  
[www.element14.com/legislation](http://www.element14.com/legislation)

(196540)



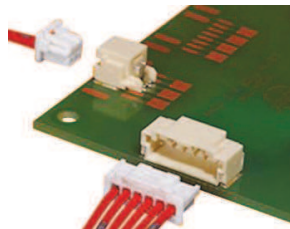
PC BOARD HEADERS & SOCKETS

**2.00mm (0.079") DURACLICK WIRE-TO-BOARD SYSTEM SINGLE ROW, POSITIVE LOCK**



- Current: 3A
- Voltage: 250V
- Contact Resistance: 20 milliohms max.
- Operating Temperature: -40 to +105°C

DuraClick is a new 2.00mm Wire-to-Board connector system for the Automotive market that provides high tolerance to vibration. These connector feature an inner positive lock that provides space saving and prevents lock breakage or half-way locking. Available in 2-8 circuits. They include wide solder tabs for secure PCB retention, and polarization features to prevent mis-mating.



**CRIMP TERMINALS**

| Mfg. Part No. | Wire Size | Plating | Stock No. | Price Each |  |
|---------------|-----------|---------|-----------|------------|--|
|               |           |         |           | 1-9        |  |
| ● 50372-8100  | 26-22     | Tin     | 57H2158   | 0.10       |  |

(147891)

**HOUSINGS**

| Mfg. Part No. | Circuits | Dimensions mm (in.)           | Stock No. | Price Each |  |
|---------------|----------|-------------------------------|-----------|------------|--|
|               |          |                               |           | 1-9        |  |
| ● 502351-0200 | 2        | 6.4H x 9.4W (0.252H x 0.372W) | 08R4872   | 0.37       |  |
| ● 502351-0400 | 4        |                               | 08R4873   | 0.38       |  |
| ● 502351-0600 | 6        |                               | 08R4874   | 0.54       |  |
| ● 502351-0800 | 8        |                               | 08R4875   | 0.49       |  |

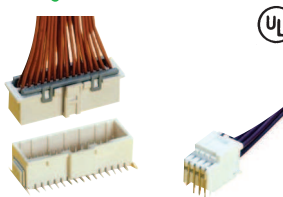
**HEADERS**

|               |   |                               |         |      |
|---------------|---|-------------------------------|---------|------|
| ● 502352-0200 | 2 | 6.4H x 9.4W (0.252H x 0.372W) | 08R4876 | 1.73 |
| ● 502352-0400 | 4 |                               | 08R4877 | 1.93 |
| ● 502352-0600 | 6 |                               | 08R4878 | 1.97 |
| ● 502352-0800 | 8 |                               | 08R4879 | 2.20 |

**MICROCLASP™ 2.00mm (0.079") PITCH WIRE-TO-BOARD CRIMP TERMINALS/HOUSINGS/HEADERS**



- Internal push-type positive lock on housings provides space savings, latch protection and secure retention
- Housing lance provides secure terminal retention
- Headers have inner positive lock and audible click to confirm mating
- Crimp terminal wire size: 22-28 AWG



51363 series locking tang provides terminal retention to housing, contact phosphor bronze tin-plated, operating temperature -25° to +85°C use with 56134 series, mates with series 55917 and 55959 headers. 55917 and 55959 series contacts are tin-plated brass, locking windows provide secure mating. Operating temperature -25°C to +85°C.

**51242 SERIES WIRE-TO-BOARD HOUSING**

| Mfg. Part No. | Circuits | Length         | Stock No. | Price Each |  |
|---------------|----------|----------------|-----------|------------|--|
|               |          |                |           | 1-9        |  |
| ● 51242-4000  | 40       | 43.40 (1.709") | 07P8658   | ---        |  |

**51353 SERIES WIRE-TO-BOARD HOUSING**

|              |    |                |         |      |
|--------------|----|----------------|---------|------|
| ● 51353-0800 | 8  | 11.40 (0.449") | 58J9302 | 0.17 |
| ● 51353-1000 | 10 | 13.40 (0.528") | 58J9303 | 0.89 |
| ● 51353-1600 | 16 | 19.40 (0.764") | 58J9306 | 0.51 |
| ● 51353-2400 | 24 | 27.40 (1.079") | 28M9443 | 0.84 |
| ● 51353-2800 | 28 | 31.40 (1.236") | 58J9312 | ---  |
| ● 51353-3000 | 30 | 33.40 (1.315") | 58J9313 | ---  |
| ● 51353-3600 | 36 | 39.40 (1.551") | 58J9316 | ---  |
| ● 51353-4000 | 40 | 43.40 (1.709") | 58J9318 | ---  |

**55917 SERIES WIRE-TO-BOARD VERTICAL HEADERS - THROUGH HOLE**

|              |    |                |         |      |
|--------------|----|----------------|---------|------|
| ● 55917-0810 | 8  | 11.40 (0.449") | 59J0948 | ---  |
| ● 55917-1010 | 10 | 13.40 (0.528") | 28M9461 | 0.54 |
| ● 55917-1410 | 14 | 17.40 (0.685") | 59J0951 | ---  |
| ● 55917-1810 | 18 | 21.40 (0.843") | 28M9463 | 0.92 |
| ● 55917-2010 | 20 | 23.40 (0.921") | 59J0954 | 0.79 |
| ● 55917-2210 | 22 | 25.40 (1.079") | 28M9464 | ---  |
| ● 55917-2410 | 24 | 27.40 (1.079") | 18M8186 | ---  |
| ● 55917-2610 | 26 | 29.40 (1.157") | 59J0957 | ---  |
| ● 55917-2810 | 28 | 31.40 (1.236") | 59J0958 | ---  |
| ● 55917-3210 | 32 | 35.40 (1.394") | 59J0960 | ---  |
| ● 55917-4010 | 40 | 43.40 (1.709") | 59J0964 | ---  |

**55959 SERIES WIRE-TO-BOARD RIGHT ANGLE HEADERS - THROUGH HOLE**

|              |    |                |         |      |
|--------------|----|----------------|---------|------|
| ● 55959-1430 | 14 | 17.40 (0.685") | 09J7569 | 1.04 |
| ● 55959-1630 | 16 | 19.40 (0.764") | 59J0971 | 0.92 |
| ● 55959-4030 | 40 | 43.40 (1.709") | 59J0983 | ---  |

➤ CONTINUED ➤

**MICROCLASP™ 2.00mm (0.079") PITCH WIRE-TO-BOARD CRIMP TERMINALS/HOUSINGS/HEADERS (CONT.)**

**56134 SERIES WIRE-TO-BOARD VERTICAL HEADERS - SURFACE MOUNT**

| Mfg. Part No. | Circuits | Length         | Stock No. | Price Each |  |
|---------------|----------|----------------|-----------|------------|--|
|               |          |                |           | 1-9        |  |
| ● 56134-3070  | 30       | 33.40 (1.315") | 07P8666   | ---        |  |

**56134 SERIES WIRE-TO-BOARD CRIMP TERMINALS**

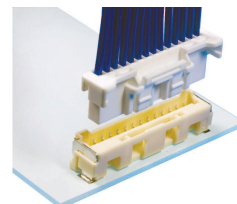
| Mfg. Part No. | AWG   | Insulation Dia. (mm) | Strip Length mm | Pkg. of | Stock No. | Price Each |  |
|---------------|-------|----------------------|-----------------|---------|-----------|------------|--|
|               |       |                      |                 |         |           | 1-99       |  |
| ● 56134-9100  | 22-28 | 0.90-1.70            | 1.60-2.00       | 100     | 59J0986   | 0.08       |  |

(80528)

**2mm (0.079") CLIK-MATE WIRE-TO-BOARD CONNECTORS**



- Current Rating: 3A
- Voltage Rating: 250V
- Operating Temperature Range: -25°C to 85°C



Crimp Terminal

**502438 SERIES 2mm WIRE-TO-BOARD CRIMP TERMINAL**

| Mfg. Part No. | Wire Size (awg) | Stock No. | Price Each |  |
|---------------|-----------------|-----------|------------|--|
|               |                 |           | 1-9        |  |
| ● 502438-0100 | 26-22           | 46P4834   | 0.05       |  |

**502439 SERIES WIRE-TO-BOARD HOUSING, SINGLE ROW, POSITIVE LOCK**

| Mfg. Part No. | Circuits | Gender | Stock No. | Price Each |  |
|---------------|----------|--------|-----------|------------|--|
|               |          |        |           | 1-9        |  |
| ● 502439-0400 | 4        | Plug   | 04R6441   | 0.19       |  |
| ● 502439-0600 | 6        | Plug   | 04R6442   | 0.21       |  |
| ● 502439-0800 | 8        | Plug   | 04R6443   | 0.51       |  |
| ● 502439-1200 | 12       | Plug   | 04R6444   | 0.45       |  |
| ● 502439-1400 | 14       | Plug   | 04R6445   | 0.37       |  |

**502443 SERIES WIRE-TO-BOARD PCB RECEPTACLES, SINGLE ROW, VERTICAL**

|               |    |            |         |      |
|---------------|----|------------|---------|------|
| ● 502443-0470 | 4  | Receptacle | 04R6446 | 0.74 |
| ● 502443-0670 | 6  | Receptacle | 04R6447 | 1.43 |
| ● 502443-0870 | 8  | Receptacle | 04R6448 | ---  |
| ● 502443-1270 | 12 | Receptacle | 04R6449 | 2.39 |
| ● 502443-1470 | 14 | Receptacle | 04R6450 | 2.02 |

**502494 SERIES WIRE-TO-BOARD PCB RECEPTACLES, SINGLE ROW, RIGHT-ANGLE**

|               |    |            |         |      |
|---------------|----|------------|---------|------|
| ● 502494-0470 | 4  | Receptacle | 04R6451 | 1.50 |
| ● 502494-0670 | 6  | Receptacle | 04R6452 | 1.92 |
| ● 502494-0870 | 8  | Receptacle | 04R6453 | 2.09 |
| ● 502494-1270 | 12 | Receptacle | 04R6454 | 2.52 |
| ● 502494-1470 | 14 | Receptacle | 04R6455 | 2.02 |

(146405)

**2.00mm (0.079") Mi II™ WIRE-TO-BOARD CONNECTORS**



- Voltage: 125V
- Current: 24 AWG 2.0 A; 26 AWG 1.5 A; 28 AWG 1.0 A; 30 AWG 0.5A
- Contact Resistance: 20 milliohms max.

- Dielectric Withstanding Voltage: 500V
- Insulation Resistance: 1000 Megohms min.
- Housing: PBT, UL 94V-0
- Operating Temperature: -40°C to +105°C



**51090 SERIES SINGLE ROW CRIMP HOUSINGS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-9        | 10-99 |
| ● 51090-0300  | 3        | 26H2237   | 0.17       | 0.15  |
| ● 51090-0500  | 5        | 97C6092   | ---        | ---   |
| ● 51090-0600  | 6        | 57H2554   | 0.67       | 0.41  |
| ● 51090-1000  | 10       | 57H2559   | 0.37       | 0.23  |

**51089 SERIES DUAL ROW CRIMP HOUSINGS**

|              |    |         |     |     |
|--------------|----|---------|-----|-----|
| ● 51089-3405 | 34 | 57H2548 | --- | --- |
| ● 51089-4005 | 40 | 57H2549 | --- | --- |

**53324 SERIES SINGLE ROW HEADERS - VERTICAL THRU-HOLE**

|              |   |         |      |      |
|--------------|---|---------|------|------|
| ● 53324-0260 | 2 | 01J8537 | 0.31 | 0.28 |
| ● 53324-0460 | 4 | 42J5315 | ---  | ---  |
| ● 53324-0660 | 6 | 42J5310 | 0.89 | 0.67 |
| ● 53324-0860 | 8 | 01J8544 | ---  | ---  |

**53325 SERIES SERIES SINGLE ROW HEADERS - RIGHT ANGLE THRU-HOLE**

|              |   |         |      |      |
|--------------|---|---------|------|------|
| ● 53325-0360 | 3 | 01J8553 | 0.52 | 0.48 |
| ● 53325-0460 | 4 | 01J8554 | ---  | ---  |
| ● 53325-0660 | 6 | 01J8556 | ---  | ---  |

➤ CONTINUED ➤

PC BOARD HEADERS & SOCKETS

2.00mm (0.079") Mi II™ WIRE-TO-BOARD CONNECTORS (CONT.)

55460 SERIES SINGLE ROW HEADERS - SURFACE MOUNT VERTICAL

| Mfg. Part No. | Circuits | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-9        | 10-99 |
| ● 55460-0272  | 2        | 59J0911   | 0.69       | 0.50  |
| ● 55460-0372  | 3        | 59J0912   | ---        | ---   |

53313 SERIES DUAL ROW HEADERS - VERTICAL THRU-HOLE

|              |    |         |     |     |
|--------------|----|---------|-----|-----|
| ● 53313-1065 | 10 | 42J5305 | --- | --- |
| ● 53313-3465 | 34 | 59J0315 | --- | --- |

(134607)

2.00mm (0.079") WIRE-TO-BOARD CONNECTORS



- Current Rating: 87369: 2A; 89400 & 89401: 4A
- Voltage Rating: 250V
- Body Material: 89400 Thermoplastic UL94V-0; 87369 & 89401: Nylon UL94V-0

87369 SERIES CRIMP TERMINAL HOUSINGS

| Mfg. Part No. | Circuits | Stock No. | Price Each |         |
|---------------|----------|-----------|------------|---------|
|               |          |           | 1-499      | 500-999 |
| ● 87369-0700  | 7        | 60H3192   | ---        | ---     |

89400 SERIES VERTICAL HEADERS

|              |   |         |      |      |
|--------------|---|---------|------|------|
| ● 89400-0220 | 2 | 60H4008 | 0.09 | 0.08 |
| ● 89400-0320 | 3 | 60H4010 | 0.08 | 0.08 |
| ● 89400-0420 | 4 | 60H4013 | 0.10 | 0.10 |

89401 SERIES RIGHT ANGLE HEADERS

|              |   |         |     |     |
|--------------|---|---------|-----|-----|
| ● 89401-0210 | 2 | 26H1811 | --- | --- |
|--------------|---|---------|-----|-----|

(135626)

2.00mm (0.079") PITCH MILLI-GRID™ SYSTEM

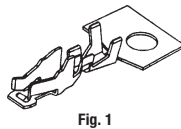
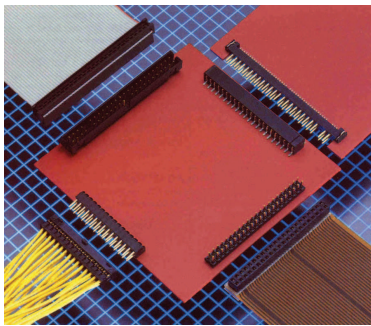


Fig. 1

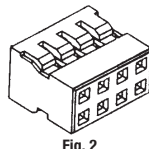


Fig. 2

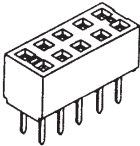


Fig. 3

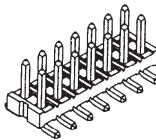


Fig. 4

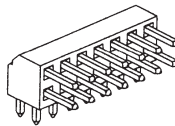


Fig. 5

- Voltage: 125 V
- Current: 1.5 A max.
- Contact Resistance: 40 mΩ max.
- Dielectric Withstanding Voltage: 500 V
- Insulation Resistance: 1000 MΩ min.
- Operating Temperature: -40°C to +105°C

High density connectors based on a 2.00 x 2.00 mm grid pattern. The system offers complete design flexibility for wire-to-board, board-to-board and cable-to-board connections.

CRIMP TERMINALS — SOLD IN PKG. OF 100 (FIG. 1)

| Mfg. Part No. | AWG   | AWG       | Stock No. | Price Each |         |
|---------------|-------|-----------|-----------|------------|---------|
|               |       |           |           | 1-99       | 100-999 |
| ● 50394-8100  | 30-24 | 15μ" Gold | 57H2161   | 0.08       | 0.15    |
| ● 50394-8200  | 30-24 | 30μ" Gold | 57H2162   | 0.08       | 0.15    |

CRIMP TERMINALS - SOLD IN REELS OF 10,000

|              |       |           |         |      |      |
|--------------|-------|-----------|---------|------|------|
| ● 50394-8051 | 30-24 | 15μ" Gold | 57H2159 | 0.10 | 0.15 |
| ● 50394-8052 | 30-24 | 30μ" Gold | 94C2678 | 0.10 | 0.15 |

51110 SERIES CRIMP HOUSINGS (FIG. 2)

| Mfg. Part No. | Circuits | Contact Material | Stock No. | Price Each |       |
|---------------|----------|------------------|-----------|------------|-------|
|               |          |                  |           | 1-9        | 10-99 |
| ● 51110-0850  | 8        | ...              | 57H2610   | 0.20       | 0.19  |
| ● 51110-1050  | 10       | ...              | 38C9879   | 0.42       | 0.32  |
| ● 51110-2050  | 20       | ...              | 38C9880   | 0.69       | 0.53  |

51110 SERIES CRIMP HOUSINGS WITH CENTER LATCH

|              |    |     |         |      |      |
|--------------|----|-----|---------|------|------|
| ● 51110-1060 | 10 | ... | 89C2702 | 0.30 | 0.30 |
| ● 51110-1260 | 12 | ... | 57H2618 | 0.30 | 0.27 |

▶ CONTINUED ▶

2.00mm (0.079") PITCH MILLI-GRID™ SYSTEM (CONT.)

51110 SERIES CRIMP HOUSINGS WITH SIDE LATCHES & POLARIZATION KEY

| Mfg. Part No. | Circuits | Contact Material | Stock No. | Price Each |       |
|---------------|----------|------------------|-----------|------------|-------|
|               |          |                  |           | 1-9        | 10-99 |
| ● 51110-1051  | 10       | ...              | 57H2614   | ---        | ---   |
| ● 51110-2451  | 24       | ...              | 53H6813   | 0.70       | 0.60  |
| ● 51110-3051  | 30       | ...              | 07P8657   | 1.12       | 0.74  |

79107 SERIES VERTICAL, DUAL ROW THRU-HOLE RECEPTACLES (FIG. 3)

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 79107-7003 | 8  | Phosphor Bronze | 55M3646 | ---  | ---  |
| ● 79107-7004 | 10 | Phosphor Bronze | 07P8667 | ---  | ---  |
| ● 79107-7005 | 12 | Phosphor Bronze | 85K7418 | 2.26 | 1.57 |
| ● 79107-7009 | 20 | Phosphor Bronze | 57J4168 | 2.96 | 2.46 |
| ● 79107-7014 | 30 | Phosphor Bronze | 63K2161 | 3.75 | 3.03 |
| ● 79107-7019 | 40 | Phosphor Bronze | 07P8673 | 3.94 | 3.48 |

87264 SERIES SIDE ENTRY RECEPTACLE

|              |   |                 |         |     |     |
|--------------|---|-----------------|---------|-----|-----|
| ● 87264-0852 | 8 | Phosphor Bronze | 41J3167 | --- | --- |
|--------------|---|-----------------|---------|-----|-----|

87368 SIDE ENTRY SURFACE MOUNT RECEPTACLE

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87368-2024 | 20 | Phosphor Bronze | 41J3169 | 2.89 | 2.80 |
|--------------|----|-----------------|---------|------|------|

87340 TOP ENTRY SURFACE MOUNT (VLR2) TOP ENTRY RECEPTACLE

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87340-1024 | 20 | Phosphor Bronze | 12M6065 | 2.08 | 1.44 |
|--------------|----|-----------------|---------|------|------|

87568 SERIES DUAL ROW, IDT RECEPTACLES - WITH SINGLE LOCKING RAMP, 15μ" GOLD

|              |    |              |         |     |     |
|--------------|----|--------------|---------|-----|-----|
| ● 87568-1073 | 10 | Copper Alloy | 68K1721 | --- | --- |
|--------------|----|--------------|---------|-----|-----|

87568 SERIES DUAL ROW, IDT RECEPTACLES - WITH POLARIZATION AND LOCKING RAMP

|              |    |              |         |      |      |
|--------------|----|--------------|---------|------|------|
| ● 87568-1693 | 16 | Copper Alloy | 93K7670 | 3.23 | 2.23 |
| ● 87568-2093 | 20 | Copper Alloy | 57R2128 | 3.00 | 2.06 |
| ● 87568-2493 | 24 | Copper Alloy | 07P8688 | 3.52 | 2.48 |
| ● 87568-2693 | 26 | Copper Alloy | 26K5992 | 4.62 | 3.24 |
| ● 87568-3093 | 30 | Copper Alloy | 32M7050 | 3.38 | 2.53 |
| ● 87568-4093 | 40 | Copper Alloy | 07P8691 | 4.44 | 3.06 |

87758 UNSHROUDED VERTICAL THRU-HOLE HEADERS, 15μ" GOLD

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87758-0416 | 4  | Phosphor Bronze | 59J1552 | 0.33 | 0.27 |
| ● 87758-0816 | 8  | Phosphor Bronze | 59J1556 | ---  | ---  |
| ● 87758-1016 | 10 | Phosphor Bronze | 59J1558 | ---  | ---  |
| ● 87758-1416 | 14 | Phosphor Bronze | 59J1562 | 1.43 | 0.95 |

87759 SERIES UNSHROUDED SURFACE MOUNT HEADERS WITH PEGS (FIG. 4)

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87759-1050 | 10 | Phosphor Bronze | 07P8696 | 1.73 | 1.34 |
| ● 87759-1450 | 14 | Phosphor Bronze | 41J3222 | ---  | ---  |

87760 SERIES UNSHROUDED RIGHT ANGLE HEADERS (FIG. 5)

|              |    |                 |         |     |     |
|--------------|----|-----------------|---------|-----|-----|
| ● 87760-0816 | 8  | Phosphor Bronze | 41J3157 | --- | --- |
| ● 87760-1416 | 14 | Phosphor Bronze | 59J1651 | --- | --- |

87831 SERIES SHROUDED VERTICAL SMC HEADERS, 15μ" GOLD

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87831-0620 | 6  | Phosphor Bronze | 59J1683 | 0.99 | 0.78 |
| ● 87831-0820 | 8  | Phosphor Bronze | 59J1686 | 1.08 | 0.70 |
| ● 87831-1220 | 12 | Phosphor Bronze | 59J1701 | 1.57 | 1.22 |
| ● 87831-1420 | 14 | Phosphor Bronze | 52M1994 | 1.64 | 1.26 |
| ● 87831-1620 | 16 | Phosphor Bronze | 59J1711 | 1.44 | 1.31 |
| ● 87831-1820 | 18 | Phosphor Bronze | 59J1717 | 2.36 | 1.95 |
| ● 87831-3020 | 30 | Phosphor Bronze | 59J1741 | 3.00 | 2.48 |
| ● 87831-4020 | 40 | Phosphor Bronze | 59J1754 | ---  | ---  |
| ● 87831-4420 | 44 | Phosphor Bronze | 59J1758 | 7.25 | 6.26 |

87831 SERIES SHROUDED VERTICAL SMC HEADERS - WITH LOCKING WINDOW, 15μ" GOLD

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87831-1041 | 10 | Phosphor Bronze | 59J1698 | 0.85 | 0.85 |
| ● 87831-1241 | 12 | Phosphor Bronze | 59J1704 | 1.00 | 0.88 |

87832 SERIES SHROUDED SMT HEADERS - WITH LOCATOR, CENTER POLARIZATION, 15μ" GOLD

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87832-0820 | 8  | Phosphor Bronze | 59J1795 | 2.08 | 1.79 |
| ● 87832-1420 | 14 | Phosphor Bronze | 57J0374 | 2.10 | 1.61 |
| ● 87832-1620 | 16 | Phosphor Bronze | 57J1714 | 2.83 | 2.45 |
| ● 87832-1820 | 18 | Phosphor Bronze | 59J1820 | 3.35 | 2.89 |
| ● 87832-2220 | 22 | Phosphor Bronze | 59J1825 | 2.37 | 2.00 |
| ● 87832-2420 | 24 | Phosphor Bronze | 59J1827 | 4.57 | 3.94 |
| ● 87832-2620 | 26 | Phosphor Bronze | 59J1830 | 3.06 | 2.53 |
| ● 87832-5020 | 50 | Phosphor Bronze | 59J1855 | ---  | ---  |

87832 SERIES SHROUDED SMT HEADERS - WITH LOCATOR, CENTER POLARIZATION, 30μ" GOLD

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87832-1421 | 14 | Phosphor Bronze | 56J8949 | 2.10 | 1.78 |
|--------------|----|-----------------|---------|------|------|

87833 SERIES SHROUDED RIGHT ANGLE HEADERS, 15μ" GOLD

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87833-0820 | 8  | Phosphor Bronze | 59J1879 | 0.87 | 0.74 |
| ● 87833-1020 | 10 | Phosphor Bronze | 59J1882 | 1.03 | 0.96 |
| ● 87833-1420 | 14 | Phosphor Bronze | 59J1889 | 1.75 | 1.45 |
| ● 87833-1620 | 16 | Phosphor Bronze | 59J1891 | 2.57 | 2.21 |
| ● 87833-2020 | 20 | Phosphor Bronze | 57J3376 | 2.49 | 2.08 |
| ● 87833-4020 | 40 | Phosphor Bronze | 59J1908 | 7.35 | 6.35 |

87833 SERIES SHROUDED RIGHT ANGLE HEADERS - WITH LOCKING WINDOWS

|              |    |                 |         |      |      |
|--------------|----|-----------------|---------|------|------|
| ● 87833-0831 | 8  | Phosphor Bronze | 59J1881 | 1.03 | 0.96 |
| ● 87833-1031 | 10 | Phosphor Bronze | 59J1885 | 1.08 | 1.00 |

▶ CONTINUED ▶

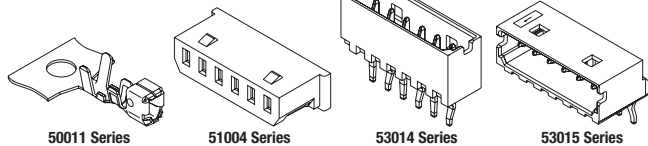
## PC BOARD HEADERS & SOCKETS

### 2.00mm (0.079") PITCH MILLI-GRID™ SYSTEM (CONT.)

#### MILLI-GRID TOOLING

| Mfg. Part No. | Description    | Stock No. | Price Each |
|---------------|----------------|-----------|------------|
|               |                |           | 1-4        |
| 11-26-7074    | Extractor Tool | 06H1127   | ---        |

### 0.079" (2.00) PITCH MICROBLADE™ WIRE-TO-BOARD CRIMP TERMINAL/HOUSING AND HEADERS



- Voltage: 125 V
- Current: 0.5 to 2.0 A
- Contact Resistance: 20 mΩ max.
- Dielectric Withstanding Voltage: 500 VAC/1 min.

- Wire Range: 24 to 34 AWG
- Contact: Phosphor Bronze Tin-Plated
- Insulation Resistance: 1000 MΩ min.
- Operating Temperature: -20°C to +85°C

50011 series box design provides two points of contact and terminal protection, 51004 series housing lance provides extra terminal retention, friction lock provides secure mating, 53014-53015 series locking windows provide secure mating, housing glass-filled % nylon, UL 94V-0, UL listed, CSA certified

#### 50011 SERIES WIRE-TO-BOARD CRIMP TERMINAL

| Mfg. Part No. | AWG   | Insulation Dia. (mm) | Package | Stock No. | Price Each |
|---------------|-------|----------------------|---------|-----------|------------|
|               |       |                      |         |           | 1-9        |
| ● 50011-8100  | 30-24 | 1.40                 | Bag     | 89C1389   | 0.33       |

#### 51004 SERIES WIRE-TO-BOARD HOUSING

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-9        |
| ● 51004-0200  | 2        | 57H2236   | 0.63       |
| 51004-0300    | 3        | 23H0045   | ---        |
| ● 51004-0400  | 4        | 28M9422   | 0.65       |
| ● 51004-0500  | 5        | 18M8150   | 0.73       |
| 51004-0800    | 8        | 57H2241   | ---        |
| 51004-0900    | 9        | 91C4990   | ---        |
| ● 51004-1000  | 10       | 28M9424   | 1.08       |
| 51004-1100    | 11       | 94C4141   | ---        |
| ● 51004-1200  | 12       | 57H2243   | 0.53       |

#### 53014 SERIES WIRE-TO-BOARD VERTICAL HEADERS

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-9        |
| ● 53014-0210  | 2        | 28M9444   | 0.47       |
| 53014-0310    | 3        | 57H4618   | ---        |
| 53014-0410    | 4        | 57H4620   | ---        |
| ● 53014-0510  | 5        | 95H9635   | 0.69       |
| 53014-0610    | 6        | 57H4628   | ---        |
| ● 53014-0710  | 7        | 95H9637   | 0.67       |
| ● 53014-0810  | 8        | 32M7224   | 1.08       |
| ● 53014-0910  | 9        | 95H9639   | 0.82       |
| ● 53014-1010  | 10       | 95H9640   | 1.11       |
| ● 53014-1110  | 11       | 95H9641   | 1.11       |
| ● 53014-1210  | 12       | 95H9642   | 1.33       |

#### 53015 SERIES WIRE-TO-BOARD RIGHT ANGLE HEADERS

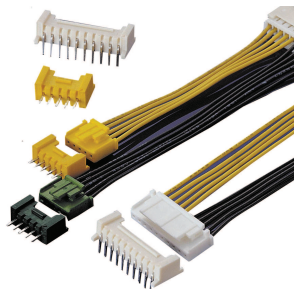
| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-9        |
| ● 53015-0310  | 3        | 28M9447   | 0.37       |
| ● 53015-0510  | 5        | 57H4646   | 0.48       |
| ● 53015-0710  | 7        | 95H9649   | 0.61       |

### SHERLOCK 2.00mm (0.079") PITCH WIRE-TO-BOARD HOUSINGS AND HEADERS



- Voltage: 125 V
- Current: 2.0 A
- Contact Resistance: 20 mΩ max.
- Dielectric Withstanding Voltage: 500 V
- Insulation Resistance: 1000 MΩ min.

Compact low-profile design for space savings. Polarizing end walls prevent mismatching. Five color choices for circuit identification. 3507 series positive lock latch provides secure mating retention. Housing lance ensures good terminal retention. Mates with 35362 and 35363 series headers. 35362 and 35363 series positive locking ribs provide secure mating retention. Four-wall shroud with guide plate protects pins and facilitates mating. Contacts: tin/lead plated. Type 502-12-8100 contacts available; go online or call.



▶ CONTINUED ▶

### SHERLOCK 2.00mm (0.079") PITCH WIRE-TO-BOARD HOUSINGS AND HEADERS (CONT.)

#### 35507 SERIES WIRE-TO-BOARD HOUSINGS

| Mfg. Part No. | Circuits | Length mm (in.) | Stock No. | Price Each |
|---------------|----------|-----------------|-----------|------------|
|               |          |                 |           | 1-9        |
| ● 35507-0200  | 2        | 7.20 (0.283)    | 09H1093   | 0.21       |
| ● 35507-0300  | 3        | 9.20 (0.362)    | 09H1095   | 0.25       |
| ● 35507-0400  | 4        | 10.30 (0.406)   | 09H1096   | 0.12       |
| ● 35507-0500  | 5        | 12.30 (0.484)   | 26H6454   | ---        |
| ● 35507-0600  | 6        | 14.30 (0.563)   | 84C8832   | 0.30       |
| ● 35507-0800  | 8        | 18.30 (0.720)   | 09H1097   | 0.34       |
| ● 35507-0900  | 9        | 20.30 (0.799)   | 56H7239   | 0.21       |
| ● 35507-1000  | 10       | 22.30 (0.878)   | 56H7240   | 0.44       |
| ● 35507-1200  | 12       | 26.30 (1.035)   | 09H1094   | 0.22       |

#### 35362 SERIES WIRE-TO-BOARD HEADERS

| Mfg. Part No. | Circuits | Length mm (in.) | Stock No. | Price Each |
|---------------|----------|-----------------|-----------|------------|
|               |          |                 |           | 1-9        |
| ● 35362-0250  | 2        | 7.70 (0.303)    | 58J8271   | 0.34       |
| ● 35362-0350  | 3        | 9.70 (0.382)    | 93K7153   | 0.41       |
| ● 35362-0450  | 4        | 10.30 (0.406)   | 65K4794   | 0.47       |
| ● 35362-0550  | 5        | 12.30 (0.484)   | 30K7102   | ---        |
| ● 35362-0650  | 6        | 14.30 (0.563)   | 68K1363   | 0.50       |
| ● 35362-0850  | 8        | 18.30 (0.720)   | 24K6838   | 0.76       |
| ● 35362-0950  | 9        | 20.30 (0.799)   | 57R9763   | 0.58       |
| ● 35362-1050  | 10       | 22.30 (0.878)   | 65K0709   | 0.62       |

#### 35363 SERIES WIRE-TO-BOARD RIGHT ANGLE HEADERS

| Mfg. Part No. | Circuits | Length mm (in.) | Stock No. | Price Each |
|---------------|----------|-----------------|-----------|------------|
|               |          |                 |           | 1-9        |
| ● 35363-0260  | 2        | 7.70 (0.303)    | 57R9772   | 0.43       |
| ● 35363-0360  | 3        | 9.70 (0.382)    | 57R9773   | 0.32       |
| ● 35363-0460  | 4        | 10.30 (0.406)   | 29K8098   | 0.49       |
| ● 35363-0560  | 5        | 12.30 (0.484)   | 07P8725   | 0.39       |
| ● 35363-0860  | 8        | 18.30 (0.720)   | 08R2484   | 0.82       |

#### 50212 SERIES CRIMP TERMINALS

| Mfg. Part No. | AWG   | Insulation Dia (mm) | Strip Lenth (mm) | Pkg. of | Stock No. | Price Each |       |      |
|---------------|-------|---------------------|------------------|---------|-----------|------------|-------|------|
|               |       |                     |                  |         |           | 1-9        | 10-99 | 1000 |
| ● 50212-8100  | 24-30 | 1.40                | 1.3 to 1.8       | 100     | 95C1851   | 0.23       | 0.19  | ---  |

### 2.00MM (0.79"), 2.50MM (0.098") MICRO-LATCH, MINI-LATCH, MINI-LOCK CONNECTOR KIT



NEW

- Circuit size: 3,4,6
- Current rating: 0.5-2A, 1.5-3A, 3A
- Voltage rating: 125V, 250V
- Orientation: Receptacles, vertical headers
- Wire gauge (AWG): 22-28, 24-30
- Solution: Off the board
- Mounting style: PCB through hole

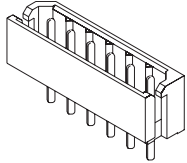
| Molex Part No. | Quantity | Description  |
|----------------|----------|--|
| 50212-8100     | 50       | Micro-Latch Female Crimp Terminal, 24-30 AWG                 |
| 51065-0300     | 5        | 2.00mm (0.79") Pitch Micro-Latch Receptacle, 3 Circuits      |
| 51065-0400     | 5        | 2.00mm (0.79") Pitch Micro-Latch Receptacle, 4 Circuits      |
| 51065-0600     | 5        | 2.00mm (0.79") Pitch Micro-Latch Receptacle, 6 Circuits      |
| 51065-0800     | 5        | 2.00mm (0.79") Pitch Micro-Latch Receptacle, 8 Circuits      |
| 53253-0370     | 5        | 2.00mm (0.79") Pitch Micro-Latch Vertical Header, 3 Circuits |
| 53253-0470     | 5        | 2.00mm (0.79") Pitch Micro-Latch Vertical Header, 4 Circuits |
| 53253-0670     | 5        | 2.00mm (0.79") Pitch Micro-Latch Vertical Header, 6 Circuits |
| 50802-9101     | 50       | Mini-Latch Female Crimp Terminal, 22-28 AWG                  |
| 51103-0300     | 5        | 2.50mm (0.98") Pitch Mini-Latch Receptacle, 3 Circuits       |
| 51103-0400     | 5        | 2.50mm (0.98") Pitch Mini-Latch Receptacle, 4 Circuits       |
| 51103-0600     | 5        | 2.50mm (0.98") Pitch Mini-Latch Receptacle, 6 Circuits       |
| 53375-0310     | 5        | 2.50mm (0.98") Pitch Mini-Latch Vertical Header, 3 Circuits  |
| 53375-0410     | 5        | 2.50mm (0.98") Pitch Mini-Latch Vertical Header, 4 Circuits  |
| 53375-0610     | 5        | 2.50mm (0.98") Pitch Mini-Latch Vertical Header, 6 Circuits  |
| 50351-8100     | 50       | Mini-Lock Female Crimp Terminal, 22-28 AWG                   |
| 51191-0300     | 5        | 2.50mm (0.98") Pitch Mini-Latch Receptacle, 3 Circuits       |
| 51191-0400     | 5        | 2.50mm (0.98") Pitch Mini-Latch Receptacle, 4 Circuits       |
| 51191-0600     | 5        | 2.50mm (0.98") Pitch Mini-Latch Receptacle, 6 Circuits       |
| 22-04-1031     | 5        | 2.50mm (0.98") Pitch Vertical Header, 3 Circuits             |
| 22-04-1041     | 5        | 2.50mm (0.98") Pitch Vertical Header, 4 Circuits             |
| 22-04-1061     | 5        | 2.50mm (0.98") Pitch Vertical Header, 6 Circuits             |

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
|               |           | 1-4        |
| ● 76650-0230  | 51R1654   | 25.70      |

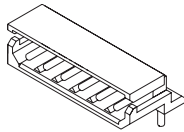
(163718)



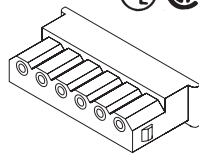
**0.098" (2.50) PITCH SPOX™ WIRE-TO-BOARD CRIMP TERMINAL HEADERS AND HOUSINGS**



5267-NA Series



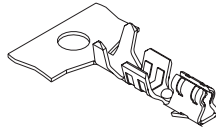
5268-NA Series



5264-N Series

- Voltage: 250 V
- Current: 1.5 - 3.0 A
- Contact Resistance: 20 mΩ max.
- Dielectric Withstanding Voltage: 1000 VAC/1 min.
- Insulation Resistance: 1000 MΩ min.

5267-NA series headers feature tin-plated brass contacts; operating temperature 0 to 75°C. 5264-N series housings are low profile and shrouded; operating temperature -40 to 105 °C. 5263 series tin-plated phosphor bronze contacts; operating temperature -40 to 105°C.



5263 Crimp Terminals

**5267-NA SERIES VERTICAL FULLY SHROUDED HEADERS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-9        |
| ● 22-03-5025  | 2        | 55H9326   | 0.33       |
| ● 22-03-5045  | 4        | 95H9578   | 0.98       |
| ● 22-03-5055  | 5        | 94C2950   | ---        |
| ● 22-03-5065  | 6        | 18M7988   | 0.79       |
| ● 22-03-5085  | 8        | 79C4115   | ---        |

**5268-NA SERIES RIGHT-ANGLE FULLY SHROUDED HEADERS**

|              |   |         |      |
|--------------|---|---------|------|
| ● 22-05-7045 | 4 | 07P8724 | 0.54 |
| ● 22-05-7065 | 6 | 97C8929 | ---  |

**5102-N SERIES WIRE-TO-BOARD CRIMP TERMINAL HOUSINGS**

|              |   |         |      |
|--------------|---|---------|------|
| ● 22-01-1034 | 3 | 83C8031 | 0.19 |
| ● 22-01-1044 | 4 | 03H3612 | 0.14 |

**5264-N SERIES SHROUDED CRIMP TERMINAL HOUSINGS**

|              |    |         |      |
|--------------|----|---------|------|
| ● 50-37-5023 | 2  | 57H1784 | 0.16 |
| ● 50-37-5033 | 3  | 57H1785 | 0.20 |
| ● 50-37-5043 | 4  | 57H1786 | 0.45 |
| ● 50-37-5053 | 5  | 50H7041 | 0.31 |
| ● 50-37-5063 | 6  | 57H1787 | 0.32 |
| ● 50-37-5083 | 8  | 86C7528 | 0.69 |
| ● 50-37-5103 | 10 | 86C7532 | 0.52 |
| ● 50-37-5113 | 11 | 95H9590 | 0.66 |
| ● 50-37-5123 | 12 | 95H9591 | 0.65 |

**5263 SERIES SPRING BOX CRIMP TERMINALS**

| Mfg Part No. | AWG   | Insulation Diameter | Stock No. | Price Each |
|--------------|-------|---------------------|-----------|------------|
|              |       |                     |           | 1-9        |
| ● 08-70-1039 | 28-22 | 1.90 (.075") max.   | 54H5572   | 0.27       |
| ● 08-70-1040 | 28-22 | 1.90 (.075") max.   | 54H5573   | 0.26       |

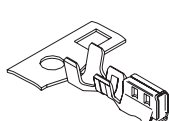
**5240 SERIES MALE CRIMP TERMINALS**

|              |       |                   |         |      |
|--------------|-------|-------------------|---------|------|
| ● 08-70-0103 | 28-22 | 1.90 (.075") max. | 83C8043 | 0.15 |
|--------------|-------|-------------------|---------|------|

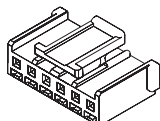
**CRIMP TOOL FOR 5263 SERIES CRIMP TERMINALS**

| Mfg. Part No. | Description                           | Stock No. | Price Each |
|---------------|---------------------------------------|-----------|------------|
|               |                                       |           | 1-4        |
| 63811-5200    | Prototype and Field Repair Crimp Tool | 07M7214   | 237.01     |

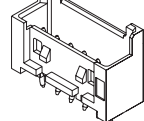
**MINI-LOCK™ 2.50mm (0.098") PITCH WIRE-TO-BOARD CRIMP TERMINALS/HOUSINGS/HEADERS**



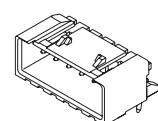
Series 50351



Series 51103



Series 53375



Series 53426

- Voltage: 250 V
- Current: 3.0 A
- Wire Range: 22-28 AWG

- Contact Resistance: 20 mΩ max.
- Dielectric Withstanding Voltage: 1000 VAC/1 min.
- Insulation Resistance: 1000 MΩ min.

50351 series has four points of contact. Housing lance provides secure terminal retention. 51103 series housing mates with 53375 and 53426 series headers, use with 50351 series crimp terminals. 53375 and 53426 series headers contacts tin-plated. Locking ribs and holes accept either positive or friction-locking housings. Shrouded design protects and facilitates mating. Kinked PC tails provide secure PCB retention.

**50351 SERIES WIRE-TO-BOARD CRIMP TERMINAL**

| Mfg. Part No. | AWG   | Insulation Dia. (mm) | Strip Length (mm) | Stock No. | Price Each |
|---------------|-------|----------------------|-------------------|-----------|------------|
|               |       |                      |                   |           | 1-9        |
| ● 50351-8100  | 28-22 | 1.15 to 1.8          | 2.3 to 2.8        | 02H0384   | 0.46       |

➔ CONTINUED ➔

**MINI-LOCK™ 2.50mm (0.098") PITCH WIRE-TO-BOARD CRIMP TERMINALS/HOUSINGS/HEADERS (CONT.)**

**51103 SERIES WIRE-TO-BOARD HOUSINGS WITH POSITIVE LOCK**

| Mfg. Part No. | Circuits | Length mm (in.) | Stock No. | Price Each |
|---------------|----------|-----------------|-----------|------------|
|               |          |                 |           | 1-9        |
| ● 51103-0200  | 2        | 7.20 (0.283)    | 25H8708   | 0.20       |
| ● 51103-0300  | 3        | 9.70 (0.382)    | 26H1670   | 0.26       |
| ● 51103-0400  | 4        | 12.20 (0.480)   | 26H1986   | 0.50       |
| ● 51103-0600  | 6        | 17.20 (0.677)   | 57H2597   | 0.16       |
| ● 51103-0800  | 8        | 22.20 (0.874)   | 54H4363   | 0.31       |
| ● 51103-1000  | 10       | 27.20 (1.071)   | 57H2600   | 0.24       |

**53375 SERIES WIRE-TO-BOARD HEADERS**

|              |   |               |         |      |
|--------------|---|---------------|---------|------|
| ● 53375-0210 | 2 | 7.40 (0.291)  | 57H5345 | 0.77 |
| ● 53375-0310 | 3 | 9.90 (0.390)  | 57H5347 | 0.34 |
| ● 53375-0410 | 4 | 12.40 (0.488) | 57H5351 | 1.19 |
| ● 53375-0510 | 5 | 14.90 (0.587) | 57H5354 | 0.81 |
| ● 53375-0610 | 6 | 17.40 (0.685) | 57H5357 | 0.81 |
| ● 53375-0710 | 7 | 19.90 (0.783) | 57H5359 | 0.73 |
| ● 53375-0810 | 8 | 22.40 (0.882) | 57H5361 | 0.97 |

**53426 SERIES WIRE-TO-BOARD RIGHT ANGLE HEADERS**

|              |   |               |         |      |
|--------------|---|---------------|---------|------|
| ● 53426-0310 | 3 | 9.90 (0.390)  | 26H1667 | 0.34 |
| ● 53426-0610 | 6 | 17.40 (0.685) | 57H5476 | 0.82 |
| ● 53426-0810 | 8 | 22.40 (0.882) | 57H5480 | 0.84 |

(80519)

**2.50mm (0.098") KK® CRIMP TERMINAL HOUSINGS**



**Specifications:**

- Voltage Rating: 250 V
- Current Rating: 3.0A
- Contact Resistance: 20 milliohms max.
- Dielectric Withstanding Voltage: 1000V AC/1 min.
- Insulation Resistance: 1000 Megohms min.
- Body Material: % Nylon UL94V-0
- Operating Temperature: -40°C to +105°C

**Features:**

- Molded friction lock
- Single row
- Stackable end-to-end

**5051-N SERIES RECEPTACLE HOUSINGS**

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |
|---------------|-----------------|-----------|------------|
|               |                 |           | 1-9        |
| ● 22-01-1042  | 4               | 55H8852   | 0.49       |

(134595)

**2.50mm (0.098") KK® WIRE-TO-BOARD HEADERS**



**Features:**

- Molded friction lock
- Single row
- Voltage Rating: 250 V
- Current Rating: 22 AWG 3.0A; 24 AWG 2.5A; 26 AWG 2.0A; 28 AWG 1.5A
- Contact Resistance: 20 milliohms max.

- Stackable end-to-end

- Dielectric Withstanding Voltage: 1000V AC/1 min.
- Insulation Resistance: 1000 Megohms min.
- Body Material: % Nylon, UL94V-0

**5045 SERIES VERTICAL FRICTION LOCK HEADER, WITH POLARIZING LOCK**

| Mfg. Part No. | No. of Contacts | Contact Plating | Stock No. | Price Each |
|---------------|-----------------|-----------------|-----------|------------|
|               |                 |                 |           | 1-9        |
| ● 22-04-1021  | 2               | Tin             | 86C8066   | 0.66       |

(134596)

**2.50mm (0.098") MINI-LATCH™ CONNECTORS**



- Voltage: 250 V
- Current: 22 AWG 3.0 A; 24 AWG 2.5 A; 26 AWG 2.0 A; 28 AWG 1.5 A
- Contact Resistance: 20 milliohms max.
- Dielectric Withstanding Voltage: 1000V AC/1 min.

- Insulation Resistance: 1000 Megohms min.
- Housing: % nylon, UL 94V-0
- Contact: Tin or Gold plated Brass
- Operating Temperature: -40°C to +105°C

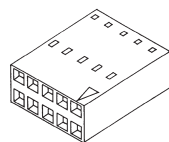
**5046 SERIES HEADERS, RIGHT ANGLE THROUGH HOLE - WITH FRICTION LOCK, TIN PLATED**

| Mfg. Part No. | Circuits | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-9        | 10-99 |
| ● 22-05-1022  | 2        | 55H9517   | 0.73       | 0.66  |
| ● 22-05-1032  | 3        | 55H9519   | 0.88       | 0.74  |

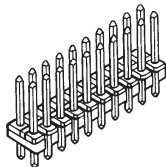
(134611)

PC BOARD HEADERS & SOCKETS

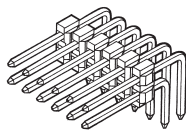
0.100" (2.54) C-GRID® HIGH-DENSITY DUAL ROW CONNECTORS



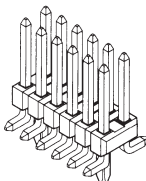
70450 Series



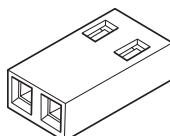
70280 Series



70216 Series



71308 Series



7859 Series

- Voltage: 250 V
- Current Rating: 3 A
- Contact Resistance: 15 mΩ Max.
- Dielectric Withstanding Voltage: 1500 V
- Insulation Resistance: 1000 MΩ Min.
- Operating Temperature: -40°C to +105°C

**70450 SERIES DUAL ROW CRIMP HOUSINGS, VERSION A - NON POLARIZED**  
Stackable end-to-end and side-to-side on 0.100" (2.54mm) grid. Use with C-grid SL crimp terminals; order separately below. Mate with 70280, 71308, or 71764 series dual row headers; order separately below.

| Mfr. Part No. | Circuits | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-9        |  |
| ● 22-55-2041  | 4        | 56H4204   | 1.12       |  |
| ● 22-55-2061  | 6        | 38C9187   | 0.76       |  |
| ● 22-55-2081  | 8        | 06C1181   | 1.87       |  |
| ● 22-55-2101  | 10       | 38C9188   | 1.92       |  |
| ● 22-55-2181  | 18       | 38C9190   | 2.42       |  |
| ● 22-55-2121  | 12       | 02H0390   | 2.81       |  |
| ● 22-55-2141  | 14       | 56H4214   | 1.29       |  |
| ● 22-55-2161  | 16       | 56H4217   | 2.20       |  |
| ● 22-55-2201  | 20       | 56H4223   | 2.37       |  |
| ● 22-55-2221  | 22       | 37B1260   | ---        |  |
| ● 22-55-2241  | 24       | 18M8007   | 2.44       |  |
| ● 22-55-2301  | 30       | 53H6706   | 2.34       |  |
| ● 22-55-2341  | 34       | 38C9192   | 2.64       |  |
| ● 2255-2401   | 40       | 77C6142   | 5.46       |  |
| ● 22-55-2501  | 50       | 56H4265   | 5.01       |  |

**70450 SERIES DUAL ROW CRIMP HOUSINGS, VERSION B - POLARIZED**

|              |    |         |      |  |
|--------------|----|---------|------|--|
| ● 22-55-2042 | 4  | 25M1785 | 0.88 |  |
| ● 22-55-2082 | 8  | 56H4209 | ---  |  |
| ● 22-55-2102 | 10 | 88C9512 | ---  |  |
| ● 22-55-2162 | 16 | 56H4218 | 2.40 |  |
| ● 22-55-2342 | 34 | 25M1791 | 3.18 |  |

**70450 SERIES DUAL ROW CRIMP HOUSINGS, VERSION C - BACK RIBS**

|              |    |         |      |  |
|--------------|----|---------|------|--|
| ● 22-55-2103 | 10 | 74C5823 | 2.22 |  |
|--------------|----|---------|------|--|

**70450 SERIES DUAL ROW CRIMP HOUSINGS, VERSION F - FRONT GUIDE RIBS**

|              |   |         |      |  |
|--------------|---|---------|------|--|
| ● 22-56-6087 | 8 | 25M1792 | 1.42 |  |
|--------------|---|---------|------|--|

POLARIZING KEY FOR CRIMP HOUSINGS

| Mfg. Part No. | Description    | Stock No. | Price Each |  |
|---------------|----------------|-----------|------------|--|
|               |                |           | 1-9        |  |
| ● 15-04-0292  | Polarizing Key | 88C9463   | 0.42       |  |

**70280 SERIES DUAL ROW VERTICAL PIN BREAKAWAY HEADERS - 11.10mm (0.437") LENGTH**  
Easy breakaway to smaller sizes. Stackable end-to-end and side to side. Drawn 0.025" (0.635mm) square wire provides 4-sided smooth surface. Standoffs facilitate post solder cleaning. Mate with 70450 series connector housings; order separately above and 7859 series shunts; order separately below.

| Mfr. Part No. | Circuits | Plating   | Stock No. | Price Each |  |
|---------------|----------|-----------|-----------|------------|--|
|               |          |           |           | 1-9        |  |
| ● 10-89-7041  | 4        | Tin       | 01J4514   | ---        |  |
| ● 10-89-7061  | 6        | Tin       | 01J4517   | 0.31       |  |
| ● 10-89-7081  | 8        | Tin       | 01J4520   | 0.42       |  |
| ● 10897101    | 10       | Tin       | 01J4522   | 1.02       |  |
| ● 10-89-7121  | 12       | Tin       | 01J4525   | ---        |  |
| ● 10-89-7141  | 14       | Tin       | 01J4528   | 1.35       |  |
| ● 10-89-7161  | 16       | Tin       | 01J4531   | 0.82       |  |
| ● 10-89-7201  | 20       | Tin       | 01J4536   | 0.86       |  |
| ● 10-89-7241  | 24       | Tin       | 01J4540   | ---        |  |
| ● 10-89-7301  | 30       | Tin       | 01J4548   | ---        |  |
| ● 10-89-7341  | 34       | Tin       | 01J4554   | ---        |  |
| ● 10-89-7801  | 80       | Tin       | 01J4586   | ---        |  |
| ● 70280-0448  | 100      | Tin       | 08P0712   | ---        |  |
| ● 10-89-7062  | 6        | 15u" Gold | 58J8068   | 0.67       |  |
| ● 10-89-7082  | 8        | 15u" Gold | 70K9523   | 0.48       |  |
| ● 10897102    | 10       | 15u" Gold | 01J4523   | 0.73       |  |
| ● 10-89-7122  | 12       | 15u" Gold | 01J4526   | 0.93       |  |
| ● 10-89-7142  | 14       | 15u" Gold | 46M4257   | 1.11       |  |

➔ CONTINUED ➔

0.100" (2.54) C-GRID® HIGH-DENSITY DUAL ROW CONNECTORS (CONT.)

| Mfr. Part No. | Circuits | Plating   | Stock No. | Price Each |  |
|---------------|----------|-----------|-----------|------------|--|
|               |          |           |           | 1-9        |  |
| ● 10897162    | 16       | 15u" Gold | 01J4532   | 1.08       |  |
| ● 10-89-7182  | 18       | 15u" Gold | 01J4534   | ---        |  |
| ● 10897202    | 20       | 15u" Gold | 01J4537   | 1.19       |  |
| ● 10-89-7242  | 24       | 15u" Gold | 01J4541   | ---        |  |
| ● 10-89-7262  | 26       | 15u" Gold | 70K9515   | 2.16       |  |
| ● 10-89-7302  | 30       | 15u" Gold | 01J4549   | 2.24       |  |
| ● 10-89-7342* | 34       | 15u" Gold | 28M9336   | ---        |  |
| ● 10897402    | 40       | 15u" Gold | 01J4559   | 2.49       |  |
| ● 10-89-7502  | 50       | 15u" Gold | 74K2675   | 7.43       |  |
| ● 10-89-7642  | 64       | 15u" Gold | 01J4577   | ---        |  |
| ● 10-89-7802  | 80       | 15u" Gold | 52K6317   | 13.59      |  |
| ● 70280-0458  | 100      | 15u" Gold | 08P0713   | 11.69      |  |
| ● 10-89-7060  | 6        | 30u" Gold | 01J4516   | ---        |  |
| ● 10-89-7100  | 10       | 30u" Gold | 01J4521   | ---        |  |
| ● 10-89-7140  | 14       | 30u" Gold | 01J4527   | ---        |  |
| ● 10-89-7200  | 20       | 30u" Gold | 01J4535   | ---        |  |

\*Sold in package of 10

**70280 SERIES DUAL ROW VERTICAL BREAKAWAY HEADERS - 13.21mm (0.520") LENGTH**

|              |    |           |         |     |  |
|--------------|----|-----------|---------|-----|--|
| ● 10-97-7106 | 10 | 15u" Gold | 08P0699 | --- |  |
| ● 10-97-7206 | 20 | 15u" Gold | 78K7134 | --- |  |
| ● 10-89-7103 | 10 | 30u" Gold | 08P0698 | --- |  |
| ● 10-89-7803 | 80 | 30u" Gold | 01J4588 | --- |  |

**70216 SERIES DUAL ROW RIGHT-ANGLE BREAKAWAY HEADERS - HIGH PROFILE**

|              |    |     |         |     |  |
|--------------|----|-----|---------|-----|--|
| ● 10-88-3141 | 14 | Tin | 54H8243 | --- |  |
| ● 10-88-3201 | 20 | Tin | 54H8248 | --- |  |

**71764 SERIES DUAL ROW RIGHT-ANGLE BREAKAWAY HEADERS - LOW PROFILE**

|              |    |           |         |     |  |
|--------------|----|-----------|---------|-----|--|
| ● 71764-0006 | 6  | Tin       | 97J9332 | --- |  |
| ● 71764-0010 | 10 | Tin       | 59H4420 | --- |  |
| ● 71764-0012 | 12 | Tin       | 01J9357 | --- |  |
| ● 71764-0014 | 14 | Tin       | 59H4421 | --- |  |
| ● 71764-0016 | 16 | Tin       | 59H4422 | --- |  |
| ● 71764-0020 | 20 | Tin       | 59H4423 | --- |  |
| ● 71764-0030 | 30 | Tin       | 08P0714 | --- |  |
| ● 71764-0110 | 10 | 15u" Gold | 59H4429 | --- |  |
| ● 71764-0112 | 12 | 15u" Gold | 59J1162 | --- |  |
| ● 71764-0130 | 30 | 15u" Gold | 97J9341 | --- |  |

**75102 SERIES DUAL ROW VERTICAL BREAKAWAY HEADERS**  
Similar to 70280 series, but with eye-of-the-needle compliant pins for press-fit PCB mounting applications. Stackable end-to-end and side to side. Mate with 70450 series connector housings; order separately above and 7859 series shunts; order separately below.

|              |    |           |         |        |  |
|--------------|----|-----------|---------|--------|--|
| ● 75102-0078 | 80 | 15u" Gold | 01J9531 | 134.27 |  |
|--------------|----|-----------|---------|--------|--|

**70246 SERIES DUAL ROW VERTICAL SHROUDED HEADERS**

| Mfr. Part No. | Circuits | Plating   | Stock No. | Price Each |  |
|---------------|----------|-----------|-----------|------------|--|
|               |          |           |           | 1-9        |  |
| ● 70246-0801  | 8        | 15u" Gold | 39M4792   | ---        |  |
| ● 70246-1001  | 10       | 15u" Gold | 56J9979   | 1.70       |  |
| ● 70246-2401  | 24       | 15u" Gold | 54M8273   | ---        |  |
| ● 70246-2601  | 26       | 15u" Gold | 08P0705   | 1.26       |  |
| ● 70246-3001  | 30       | 15u" Gold | 08P0706   | ---        |  |
| ● 70246-3401  | 34       | 15u" Gold | 38M9616   | ---        |  |
| ● 70246-4001  | 40       | 15u" Gold | 08P0707   | 2.77       |  |
| ● 70246-5001  | 50       | 15u" Gold | 55M4722   | ---        |  |
| ● 70246-1002  | 10       | 30u" Gold | 72J5032   | ---        |  |
| ● 70246-1602  | 16       | 30u" Gold | 08P0704   | ---        |  |
| ● 70246-2602  | 26       | 30u" Gold | 21M5630   | ---        |  |
| ● 70246-3402  | 34       | 30u" Gold | 28M8921   | ---        |  |

**70247 SERIES DUAL ROW RIGHT ANGLE SHROUDED HEADERS**

|              |    |           |         |      |  |
|--------------|----|-----------|---------|------|--|
| ● 70247-1051 | 10 | 15u" Gold | 71J0314 | ---  |  |
| ● 70247-1451 | 14 | 15u" Gold | 08P0708 | 1.48 |  |
| ● 70247-1651 | 16 | 15u" Gold | 71J0315 | ---  |  |
| ● 70247-2051 | 20 | 15u" Gold | 08P0709 | ---  |  |
| ● 70247-2651 | 26 | 15u" Gold | 20M3998 | ---  |  |
| ● 70247-4051 | 40 | 15u" Gold | 08P0710 | ---  |  |
| ● 70247-1052 | 10 | 30u" Gold | 15M5994 | ---  |  |
| ● 70247-4052 | 40 | 30u" Gold | 08P0711 | ---  |  |

**70568 SERIES DUAL ROW VERTICAL SHROUDED HEADERS**

|              |    |           |         |     |  |
|--------------|----|-----------|---------|-----|--|
| ● 15-47-7510 | 10 | Tin       | 13N4010 | --- |  |
| ● 15-47-7540 | 40 | Tin       | 01J4688 | --- |  |
| ● 15-47-7612 | 12 | 15u" Gold | 34M3171 | --- |  |
| ● 15-47-7616 | 16 | 15u" Gold | 26H7082 | --- |  |
| ● 15-47-7628 | 28 | 15u" Gold | 72J6109 | --- |  |
| ● 15-47-7650 | 50 | 15u" Gold | 01J4702 | --- |  |

➔ CONTINUED ➔

PC BOARD HEADERS & SOCKETS

0.100" (2.54) C-GRID® HIGH-DENSITY DUAL ROW CONNECTORS (CONT.)

| Mfr. Part No.   | Circuits | Plating   | Stock No. | Price Each |       |
|-----------------|----------|-----------|-----------|------------|-------|
|                 |          |           |           | 1-9        | 10-99 |
| ● 15-91-2100    | 10       | Tin       | 06H1106   | 1.01       |       |
| ● 15-91-2140    | 14       | Tin       | 55H2209   | 1.30       |       |
| ● 15-91-2160    | 16       | Tin       | 97C5325   | ---        |       |
| ● 15-91-2800    | 80       | Tin       | 18M7945   | 6.06       |       |
| ● 15-91-0060    | 6        | 15µ" Gold | 55H2057   | 0.74       |       |
| ● 15-91-6062**  | 6        | 15µ" Gold | 55H2307   | ---        |       |
| ● 15-91-0100    | 10       | 15µ" Gold | 88C0968   | 1.33       |       |
| ● 15-91-6102**  | 10       | 15µ" Gold | 55H2321   | ---        |       |
| ● 15-91-3106*** | 10       | 15µ" Gold | 55H2257   | ---        |       |
| ● 15-91-0120    | 12       | 15µ" Gold | 55H2065   | ---        |       |
| ● 15-91-0140    | 14       | 15µ" Gold | 55H2067   | 1.23       |       |
| ● 15-91-0160    | 16       | 15µ" Gold | 55H2070   | ---        |       |
| ● 15-91-0200    | 20       | 15µ" Gold | 55H2074   | 1.54       |       |
| ● 15-91-0260    | 26       | 15µ" Gold | 55H2080   | ---        |       |
| ● 15-91-0400    | 40       | 15µ" Gold | 55H2089   | ---        |       |
| ● 15-91-0800    | 80       | 15µ" Gold | 18M7944   | 14.48      |       |
| ● 15-91-6063**  | 6        | 30µ" Gold | 55H2308   | ---        |       |
| ● 15-91-3100    | 10       | 30µ" Gold | 55H2254   | ---        |       |

\*\* Tape & Reel packaging w/Vacuum Caps. \*\*\* Tube packaging w/Vacuum Caps

71308 SERIES DUAL ROW SURFACE MOUNT VERTICAL HEADERS - WITH PEGS

|              |    |           |         |     |  |
|--------------|----|-----------|---------|-----|--|
| ● 15-91-1102 | 10 | 15µ" Gold | 94C1209 | --- |  |
|--------------|----|-----------|---------|-----|--|

71349 SERIES DUAL ROW SURFACE MOUNT VERTICAL SHROUDED HEADERS - WITHOUT PEGS

|              |    |           |         |     |  |
|--------------|----|-----------|---------|-----|--|
| ● 71349-1037 | 10 | 15µ" Gold | 59H3933 | --- |  |
|--------------|----|-----------|---------|-----|--|

71349 SERIES DUAL ROW SURFACE MOUNT VERTICAL SHROUDED HEADERS - WITH PEGS

|              |    |           |         |     |  |
|--------------|----|-----------|---------|-----|--|
| ● 71349-2018 | 40 | Tin       | 59H3959 | --- |  |
| ● 71349-2037 | 10 | 15µ" Gold | 91C4999 | --- |  |
| ● 71349-2052 | 40 | 15µ" Gold | 59H3970 | --- |  |

87834 SERIES DUAL ROW THRU-HOLE VERTICAL HEADER

|              |    |      |         |     |  |
|--------------|----|------|---------|-----|--|
| ● 87834-0611 | 6  | Gold | 59J1913 | --- |  |
| ● 87834-1011 | 10 | Gold | 59J1915 | --- |  |
| ● 87834-1611 | 16 | Gold | 59J1920 | --- |  |
| ● 87834-2011 | 20 | Gold | 59J1924 | --- |  |

71395 SERIES DUAL ROW SURFACE MOUNT VERTICAL RECEPTACLES - WITH RETENTION PEGS

|              |    |           |         |     |  |
|--------------|----|-----------|---------|-----|--|
| ● 15-45-3614 | 14 | 30µ" Gold | 55H1422 | --- |  |
|--------------|----|-----------|---------|-----|--|

71850 SERIES DUAL ROW THRU-HOLE VERTICAL RECEPTACLES

|              |    |           |         |     |  |
|--------------|----|-----------|---------|-----|--|
| ● 15-44-6840 | 40 | Tin       | 55H1275 | --- |  |
| ● 15-44-5816 | 16 | 15µ" Gold | 55H1237 | --- |  |
| ● 15-44-5824 | 24 | 15µ" Gold | 55H1241 | --- |  |
| ● 15-44-5840 | 40 | 15µ" Gold | 55H1247 | --- |  |
| ● 15-44-5124 | 24 | 30µ" Gold | 55H1220 | --- |  |

90147 SERIES SINGLE ROW VERTICAL RECEPTACLES

|              |   |           |         |      |  |
|--------------|---|-----------|---------|------|--|
| ● 90147-1106 | 6 | Tin       | 60H4623 | ---  |  |
| ● 90147-1204 | 4 | 15µ" Gold | 60H4652 | 1.82 |  |
| ● 90147-1206 | 6 | 15µ" Gold | 60H4654 | ---  |  |

90148 SERIES SINGLE ROW HORIZONTAL ENTRY RECEPTACLES

|              |   |     |         |     |  |
|--------------|---|-----|---------|-----|--|
| ● 90148-1106 | 6 | Tin | 60H4729 | --- |  |
|--------------|---|-----|---------|-----|--|

7859 SERIES TWO CIRCUIT SHUNT/JUMPERS

Open or closed top to prevent upside-down mating. Stackable end-to-end and side-to-side. Acts as DIP switch by increasing current flow and decreasing resistance. Dual beam copper alloy terminals offer 2 points of contact per pin. Glass-filled polyester housing, rated UL 94V-0. Contact resistance: 15 mΩ (gold). Current rating: 5 A. Mate with 8624 series breakaway headers and any C-Grids header; order separately above.

| Mfr. Part No. | Top    | Plating   | Stock No. | Price Each |       |
|---------------|--------|-----------|-----------|------------|-------|
|               |        |           |           | 1-9        | 10-99 |
| ● 15-29-1024  | Open   | 15µ" Gold | 55H0424   | 0.75       |       |
| ● 15-29-1025  | Closed | 15µ" Gold | 55H0425   | 0.83       |       |
| ● 15-29-1026  | Closed | 150µ" Tin | 55H0426   | 0.88       |       |
| ● 15-29-1027  | Closed | 30µ" Gold | 55H0427   | 0.46       |       |
| ● 15-38-1024  | Open   | 150µ" Tin | 55H0628   | 0.51       |       |

90059 SERIES LOW PROFILE MICRO SHUNT

|              |      |           |         |      |  |
|--------------|------|-----------|---------|------|--|
| ● 90059-0007 | Open | 200µ" Tin | 95H7510 | 0.36 |  |
| ● 90059-0009 | Open | 15µ" Gold | 06H1007 | 0.34 |  |
| ● 90059-0012 | Open | 30µ" Gold | 60H4108 | ---  |  |

(8407)

0.100" (2.54) CENTER KK® SYSTEM CRIMP TERMINAL HOUSINGS

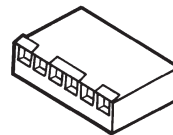


Fig. 1

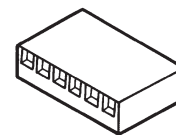


Fig. 2

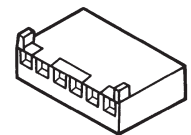


Fig. 3

- Voltage: 250 V
- Current: 2.5 A Max.
- Contact Resistance: 20 mΩ
- Dielectric Withstanding Voltage: 1500 VAC
- Insulation Resistance: 50,000 MΩ
- Nylon Material, Rated UL 94V-0

Available with or without locking ramp and polarizing ribs. 2695 series accepts 2759 series KK® series crimp terminals, 7880 series accepts 7879 series crimp terminals, and 6471 series accepts 4809 series crimp terminals. Mate with 0.100" (2.54) Center KK® series headers ordered separately on page 783. Order polarizing key and polarizing peg separately below. UL recognized, CSA certified.

2695 SERIES TERMINAL HOUSINGS WITH LOCKING RAMP — FIG. 1

| Mfg. Part No. | Circuits | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-9        | 10-99 |
| ● 22-01-2027  | 2        | 33C3219   | 0.10       | 0.08  |
| ● 22-01-2037  | 3        | 38C9135   | 0.24       | 0.19  |
| ● 22-01-2047  | 4        | 38C9137   | 0.25       | 0.20  |
| ● 22-01-2067  | 6        | 55H8909   | 0.35       | 0.27  |
| ● 22-01-2107  | 10       | 38C9143   | 0.30       | 0.28  |
| ● 22-01-2147  | 14       | 55H8931   | 0.36       | 0.31  |

2695 SERIES TERMINAL HOUSINGS — FIG. 2

|              |    |         |      |      |
|--------------|----|---------|------|------|
| ● 22-01-2021 | 2  | 38C9133 | 0.06 | 0.05 |
| ● 22-01-2031 | 3  | 38C9134 | 0.18 | 0.14 |
| 22-01-2041   | 4  | 55H8901 | ---  | ---  |
| ● 22-01-2061 | 6  | 38C9138 | 0.18 | 0.17 |
| ● 22-01-2081 | 8  | 38C9140 | 0.20 | 0.20 |
| ● 22-01-2101 | 10 | 38C9142 | 0.57 | 0.31 |
| ● 22-01-2121 | 12 | 55H8924 | 0.37 | 0.36 |

2695 SERIES TERMINAL HOUSINGS WITH POLARIZING RIBS AND LOCKING RAMP — FIG. 3

|              |    |         |      |      |
|--------------|----|---------|------|------|
| ● 22-01-3027 | 2  | 38C9144 | 0.16 | 0.12 |
| ● 22-01-3037 | 3  | 38C9145 | 0.25 | 0.19 |
| ● 22-01-3047 | 4  | 34H3249 | 0.26 | 0.20 |
| ● 22-01-3057 | 5  | 38C9147 | 0.34 | 0.26 |
| ● 22-01-3067 | 6  | 35C5333 | 0.35 | 0.27 |
| ● 22-01-3077 | 7  | 55H8976 | 0.41 | 0.31 |
| ● 22-01-3087 | 8  | 38C9148 | 0.46 | 0.35 |
| ● 22-01-3097 | 9  | 94F9699 | 0.56 | 0.43 |
| ● 22-01-3107 | 10 | 77C6172 | 0.63 | 0.48 |
| ● 22-01-3117 | 11 | 37B577  | 0.49 | 0.44 |
| 22-01-3127   | 12 | 55H8980 | ---  | ---  |
| ● 22-01-3137 | 13 | 55H8981 | 0.40 | 0.40 |
| ● 22-01-3157 | 15 | 55H8983 | 0.70 | 0.68 |
| ● 22-01-3207 | 20 | 18M7983 | 2.36 | 1.44 |

6471 SERIES TERMINAL HOUSINGS WITH POLARIZING RIBS AND LOCKING RAMP, END TO END STACKABLE

|              |    |         |      |      |
|--------------|----|---------|------|------|
| ● 22-01-2025 | 2  | 25M1703 | ---  | ---  |
| ● 22-01-2035 | 3  | 76K0741 | 0.42 | 0.33 |
| ● 22-01-2045 | 4  | 55H8902 | 0.44 | 0.34 |
| ● 22-01-2055 | 5  | 55H8905 | ---  | ---  |
| ● 22-01-2085 | 8  | 55H8914 | 0.76 | 0.66 |
| ● 22-01-2105 | 10 | 55H8919 | 0.85 | 0.76 |

7880 SERIES HIGH-PRESSURE TERMINAL HOUSINGS WITH STANDARD RAMP

|              |    |         |      |      |
|--------------|----|---------|------|------|
| ● 10-11-2023 | 2  | 54H7660 | 0.12 | 0.09 |
| ● 10-11-2033 | 3  | 54H7662 | 0.17 | 0.13 |
| ● 10-11-2043 | 4  | 54H7664 | 0.20 | 0.15 |
| ● 10-11-2053 | 5  | 36B9101 | 0.33 | 0.25 |
| ● 10-11-2063 | 6  | 35H6565 | 0.15 | 0.15 |
| ● 10-11-2073 | 7  | 36B9105 | 0.46 | 0.35 |
| ● 10-11-2083 | 8  | 13C2635 | 0.24 | 0.23 |
| ● 10-11-2093 | 9  | 18M7880 | ---  | ---  |
| ● 10-11-2103 | 10 | 36B9111 | 0.51 | 0.39 |
| ● 10-11-2123 | 12 | 28M9332 | 0.38 | 0.37 |

ACCESSORIES

| Mfg. Part No. | Description    | For Connector Housings               | Stock No. | Price Each |       |
|---------------|----------------|--------------------------------------|-----------|------------|-------|
|               |                |                                      |           | 1-9        | 10-99 |
| ● 15-04-9209  | Polarizing Key | 2695, 4455, 5051, 6471, 40251 Series | 18M7941   | 18M7941    | 0.10  |
| 15-04-9210    | Polarizing Peg |                                      | 55H0025   | ---        | ---   |

(8406)

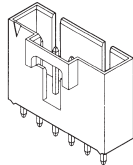


PC BOARD HEADERS & SOCKETS

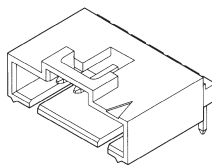
0.100" (2.54) SL™ HEADERS



- Voltage: 250 V
- Current: 3 A
- Contact resistance: 15 mΩ Max.
- Dielectric Withstanding Voltage: 1500 V
- Insulation Resistance: 1000 MΩ min.
- Contacts: Copper Alloy, 0.025" Square
- Plating: 15µ" Gold, 30µ" Gold, 150µ" Tin
- Operating Temperature: -40°C to +105°C



70543 Series Vertical



70553 Series Right-Angle

Single-row 0.100" center wire-to-board vertical and right-angle shrouded locking headers feature locking crown that secures positive latch to header. Polarization slots guide front ribs to prevent pin damage. Mate with 70066 series crimp housings; order separately on pages 782-783.

70543 SERIES VERTICAL SHROUDED LOCKING HEADERS 150µ" TIN

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
|               |          |           | 1-9        |
| ● 70543-0036  | 2        | 95H7398   | 1.03       |
| ● 70543-0037  | 3        | 18M8236   | 1.16       |
| ● 70543-0038  | 4        | 59H2665   | 1.32       |
| ● 70543-0040  | 6        | 95H7401   | 1.20       |

70543 SERIES VERTICAL SHROUDED LOCKING HEADERS 15µ" GOLD

|              |    |         |      |
|--------------|----|---------|------|
| ● 70543-0001 | 2  | 59H2645 | 1.15 |
| ● 70543-0002 | 3  | 38C9947 | 1.26 |
| ● 70543-0003 | 4  | 85C0279 | 1.36 |
| ● 70543-0004 | 5  | 59H2646 | 1.57 |
| ● 70543-0005 | 6  | 59H2647 | 1.58 |
| ● 70543-0006 | 7  | 59H2648 | 1.10 |
| ● 70543-0007 | 8  | 59H2649 | 1.78 |
| ● 70543-0008 | 9  | 59H2650 | 1.77 |
| ● 70543-0009 | 10 | 59H2651 | 1.24 |
| ● 70543-0011 | 12 | 91C4597 | 2.24 |

70543 SERIES VERTICAL SHROUDED LOCKING HEADERS 30µ" GOLD

|              |   |         |      |
|--------------|---|---------|------|
| ● 70543-0112 | 8 | 95H7410 | 1.15 |
|--------------|---|---------|------|

70545 SERIES VERTICAL SHROUDED LOCKING HEADER, TRI-PEG, 150µ" TIN

|              |   |         |      |
|--------------|---|---------|------|
| ● 70545-0003 | 4 | 84C9637 | 0.79 |
|--------------|---|---------|------|

70545 SERIES VERTICAL SHROUDED LOCKING HEADER, TRI-PEG, 15µ" GOLD

|              |    |         |      |
|--------------|----|---------|------|
| ● 70545-0036 | 2  | 97C6848 | 1.08 |
| ● 70545-0042 | 8  | 73C8930 | 1.40 |
| ● 70545-0044 | 10 | 26H7042 | 1.46 |

70551 SERIES RIGHT-ANGLE SHROUDED LOCKING HEADERS 150µ" TIN

|              |   |         |      |
|--------------|---|---------|------|
| ● 70551-0001 | 2 | 59H2839 | 0.64 |
|--------------|---|---------|------|

70553 SERIES RIGHT-ANGLE SHROUDED LOCKING HEADER, 150µ" TIN

|              |   |         |      |
|--------------|---|---------|------|
| ● 70553-0036 | 2 | 90C0113 | ---  |
| ● 70553-0037 | 3 | 30H5349 | 0.89 |
| ● 70553-0038 | 4 | 95H7415 | 1.08 |
| ● 70553-0039 | 5 | 95H7416 | 1.37 |
| ● 70553-0042 | 8 | 95H7419 | 1.53 |

70553 SERIES RIGHT-ANGLE SHROUDED LOCKING HEADERS 15µ" GOLD

|              |    |         |      |
|--------------|----|---------|------|
| ● 70553-0001 | 2  | 59H2870 | 0.97 |
| ● 70553-0002 | 3  | 59H2871 | 1.39 |
| ● 70553-0003 | 4  | 38C9957 | 1.45 |
| ● 70553-0005 | 6  | 59H2873 | 1.67 |
| ● 70553-0006 | 7  | 59H2874 | 1.64 |
| ● 70553-0007 | 8  | 59H2875 | 1.78 |
| ● 70553-0009 | 10 | 59H2877 | 1.82 |

70634 SERIES SMT RIGHT-ANGLE SHROUDED LOCKING HEADERS 150µ" TIN

|              |   |         |      |
|--------------|---|---------|------|
| ● 15-91-3024 | 2 | 55H2234 | 1.29 |
| ● 15-91-3044 | 4 | 65H6703 | 2.22 |

70634 SERIES SMT RIGHT-ANGLE SHROUDED LOCKING HEADERS 15µ" GOLD

|              |   |         |     |
|--------------|---|---------|-----|
| ● 15-91-2025 | 2 | 89C1689 | --- |
| ● 15-91-2045 | 4 | 55H2198 | --- |
| ● 15-91-2055 | 5 | 79K5379 | --- |

(17132)

0.100" (2.54) PITCH SL™ CRIMP TERMINALS



Fig. 1 70058 Series



Fig. 2 71851 Series

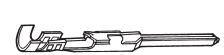


Fig. 3 70021 Series

- Voltage: 250V
- Current: 3.0A
- Contact Resistance: 15mΩ Max.

- Insulation Resistance: 1000MΩ Min.
- Operating Temp.: -40°C to +105°C

Dual-beam, fully enclosed female box contact. Dual-tab strain relief. Locking tang secures terminal in housing. Pricing is individual or per package. Reel pricing is per piece.

70058 SERIES PITCH CRIMP FEMALE TERMINALS - FIG. 1 (SOLD INDIVIDUALLY)

| Mfg. Part No. | AWG   | Contact Plating | Stock No. | Price Each |
|---------------|-------|-----------------|-----------|------------|
|               |       |                 |           | 1-99       |
| ● 16-02-0102  | 24-22 | Tin             | 55H2482   | 0.10       |
| ● 16-02-0096  | 30-24 | Tin             | 55H2476   | 0.08       |
| ● 16-02-0103  | 24-22 | 15µ" Gold       | 55H2483   | 0.15       |
| ● 16-02-0097  | 30-24 | 15µ" Gold       | 55H2477   | 0.13       |
| ● 16-02-0104  | 24-22 | 30µ" Gold       | 04H0438   | 0.17       |
| ● 16-02-0098  | 30-24 | 30µ" Gold       | 55H2478   | 0.15       |

70058 SERIES PITCH CRIMP FEMALE TERMINALS ON REEL - FIG. 1 (SOLD INDIVIDUALLY)

|              |       |           |         |      |
|--------------|-------|-----------|---------|------|
| ● 16-02-0086 | 24-22 | Tin       | 97B0029 | 0.10 |
| ● 16-02-0069 | 30-24 | Tin       | 90C0133 | 0.10 |
| ● 16-02-0087 | 24-22 | 15µ" Gold | 55H2474 | 0.15 |
| ● 16-02-0082 | 30-24 | 15µ" Gold | 85C2120 | 0.09 |
| ● 16-02-0088 | 24-22 | 30µ" Gold | 95C0425 | 0.16 |

71851 SERIES PITCH CRIMP FEMALE TERMINALS, HIGH-FORCE - FIG. 2 (SOLD INDIVIDUALLY)

|              |       |           |         |      |
|--------------|-------|-----------|---------|------|
| ● 16-02-1110 | 24-22 | Tin       | 55H2506 | 0.14 |
| ● 16-02-1114 | 24-22 | Tin       | 55H2510 | 0.12 |
| ● 16-02-1116 | 30-24 | Tin       | 55H2511 | 0.11 |
| ● 16-02-1125 | 24-22 | 15µ" Gold | 55H2519 | 0.22 |
| ● 16-02-1109 | 30-24 | 15µ" Gold | 55H2505 | 0.21 |

71851 SERIES PITCH CRIMP FEMALE TERMINALS, HIGH-FORCE, ON REEL - FIG. 2 (SOLD INDIVIDUALLY)

|              |       |           |         |      |
|--------------|-------|-----------|---------|------|
| ● 16-02-1124 | 24-22 | 15µ" Gold | 88C9405 | 0.20 |
| ● 16-02-0119 | 30-24 | 15µ" Gold | 55H2493 | 0.09 |

70021 SERIES PITCH CRIMP MALE TERMINALS - FIG. 3 (SOLD INDIVIDUALLY)

Dual-tab strain relief. Locking tag secures terminal in housing. Mates with 70058 and 71851 series.

|              |       |           |         |      |
|--------------|-------|-----------|---------|------|
| ● 16-02-0108 | 30-24 | Tin       | 55H2486 | 0.11 |
| ● 16-02-0115 | 24-22 | 15µ" Gold | 55H2492 | 0.17 |
| ● 16-02-0109 | 30-24 | 15µ" Gold | 74C3240 | 0.17 |
| ● 16-02-0078 | 30-24 | 15µ" Gold | 85C2122 | 0.19 |
| ● 16-02-0117 | 24-22 | 30µ" Gold | 92B7913 | 0.20 |
| ● 16-02-0110 | 30-24 | 30µ" Gold | 55H2487 | 0.20 |

70058 SERIES PITCH CRIMP FEMALE TERMINALS - FIG. 1 (ON REELS, SOLD INDIVIDUALLY)

| Mfg. Part No. | AWG   | Contact Plating | Stock No. | Price Each |
|---------------|-------|-----------------|-----------|------------|
|               |       |                 |           | 1-4        |
| ● 16020081    | 24-22 | 15µ" Gold       | 83C7748   | 0.18       |

70058 SERIES PITCH CRIMP FEMALE TERMINALS - FIG. 1 (SOLD IN REELS OF 20,000)

| Mfg. Part No. | AWG   | Contact Plating | Stock No. | Price Each |
|---------------|-------|-----------------|-----------|------------|
|               |       |                 |           | 1-9        |
| ● 16-02-0083  | 30-24 | 30µ" Gold       | 18M7946   | ---        |

70021 SERIES PITCH CRIMP MALE TERMINALS ON REEL - FIG. 3 (SOLD IN REELS OF 20,000)

|              |       |           |         |     |
|--------------|-------|-----------|---------|-----|
| ● 16-02-0088 | 30-24 | 30µ" Gold | 18M7948 | --- |
|--------------|-------|-----------|---------|-----|

70021 SERIES PITCH CRIMP MALE TERMINALS ON REEL - FIG. 3 (SOLD IN REELS OF 20,000)

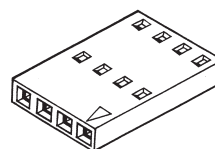
|              |       |     |         |      |
|--------------|-------|-----|---------|------|
| ● 16-02-0107 | 24-22 | Tin | 08P0700 | 0.24 |
|--------------|-------|-----|---------|------|

EXTRACTION TOOL FOR SL™ CRIMP TERMINALS

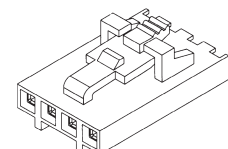
| Mfg. Part No. | For Use With                   | Stock No. | Price Each |
|---------------|--------------------------------|-----------|------------|
|               |                                |           | 1-4        |
| 11030036      | Both male and female terminals | 34H3143   | 15.30      |

(8476)

0.100" (2.54) SL™ CRIMP HOUSINGS



70066 Series Version A



70066 Series Version G

- Single-Row 0.100" Center
- Wire-To-Board Applications
- Alignment Ribs Prevent Contact Damage

- Operating Temperature: -40°C to +105°C

CONTINUED

Visit Newark's element14 community

Get inspired at our electronics community. Collaborate, design, research, ask experts questions. [www.element14.com](http://www.element14.com)

(196545)

**0.100" (2.54) SL™ CRIMP HOUSINGS (CONT.)**

Anti-entanglement ribs prevent wire from catching under lock during harness assembly. Uses **70058** and **71851** series crimp terminals; order separately. Go online or call. Mates with **70543** and **70553** series headers; order separately. Go online or call.

**70066 SERIES SINGLE-ROW, VERSION A, CRIMP HOUSINGS**

End-to-end and side-to-side stackable for single- or dual-row connections. Use with types **70058** and **71851** crimp terminals. Mates with types **8624**, **42375**, **42377**, **70280**, **71038** and **71764** headers.

| Mfg. Part No. | Circuits | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-9        |  |
| ● 50-57-9002  | 2        | 77C5436   | 0.54       |  |
| ● 50-57-9003  | 3        | 57H1819   | 1.08       |  |
| ● 50-57-9004  | 4        | 57H1820   | 0.86       |  |
| ● 50-57-9005  | 5        | 57H1821   | 0.63       |  |
| ● 50-57-9006  | 6        | 57H1822   | 0.68       |  |
| ● 50-57-9007  | 7        | 57H1823   | 1.09       |  |
| ● 50-57-9008  | 8        | 57H1824   | 0.76       |  |
| ● 50-57-9009  | 9        | 57H1825   | 0.48       |  |
| ● 50-57-9010  | 10       | 57H1826   | 1.08       |  |
| ● 50-57-9014  | 14       | 57H1830   | 0.59       |  |

**70066 SERIES SINGLE-ROW, VERSION C, FRONT RIB CRIMP HOUSINGS**

Use with types **70058** and **71851** crimp terminals. Mates with types **70543**, **70544**, **70545**, **70546**, **70553**, **70544**, **70555** and **70556** headers.

| Mfg. Part No. | Circuits | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-9        |  |
| ● 50-57-9202  | 2        | 57H1847   | 0.83       |  |
| ● 50-57-9203  | 3        | 57H1848   | 0.33       |  |
| ● 50-57-9204  | 4        | 57H1849   | 0.35       |  |
| ● 50-57-9208  | 8        | 57H1852   | 0.42       |  |

**70066 SERIES SINGLE-ROW, VERSION G, POSITIVE LATCH CRIMP HOUSINGS**

Use with types **70058** and **71851** crimp terminals. Mates with types **70018**, **70107A/B**, **70541**, **70543**, **70545**, **70551**, **70553**, **70555**, **70634** and **74099**

| Mfg. Part No. | Circuits | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-9        |  |
| ● 50-57-9402  | 2        | 38C9863   | 0.76       |  |
| ● 50-57-9403  | 3        | 38C9864   | 0.45       |  |
| ● 50-57-9404  | 4        | 25C5453   | 0.74       |  |
| ● 50-57-9405  | 5        | 98B5365   | 0.95       |  |
| ● 50-57-9406  | 6        | 38C9865   | 0.86       |  |
| ● 50-57-9407  | 7        | 57H1893   | 0.99       |  |
| ● 50-57-9408  | 8        | 38C9866   | 1.08       |  |
| ● 50-57-9409  | 9        | 38C9867   | 0.92       |  |
| ● 50-57-9410  | 10       | 38C9868   | 0.79       |  |
| ● 50-57-9411  | 11       | 58R1199   | ---        |  |
| ● 50-57-9412  | 12       | 57H1897   | 0.75       |  |
| ● 50579415    | 15       | 89C3259   | 0.79       |  |
| ● 50-57-9416  | 16       | 57H1898   | 0.83       |  |
| ● 50-57-9420  | 20       | 57H1900   | 1.41       |  |

**70066 SERIES SINGLE-ROW, VERSION N, POSITIVE LATCH CRIMP HOUSINGS**

Use with types **73838** TPA and **70058** or **71851** crimp terminals. Mates with types **70018**, **70107A/B**, **70541**, **70543**, **70545**, **70551**, **70553**, **70555**, **70634** and **74099**

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
| ● 50-57-9702  | 2        | 89C1734   | 0.34       |

**70450 SERIES DOUBLE-ROW, VERSION B, POLARIZED CRIMP HOUSINGS**

Use with types **70058** and **71851** crimp terminals. Mates with types **70246**, **70247**, **87256** and **87257**

| Mfg. Part No. | Circuits | Stock No. | Price Each |
|---------------|----------|-----------|------------|
| ● 22-55-2242  | 24       | 56H4230   | 1.79       |
| ● 22-55-2202  | 20       | 56H4224   | 1.48       |

**ACCESSORIES**

| Mfg. Part No. | Description    | Stock No. | Price Each |  |
|---------------|----------------|-----------|------------|--|
|               |                |           | 1-9        |  |
| ● 15-04-0292  | Polarizing Key | 88C9463   | 0.42       |  |

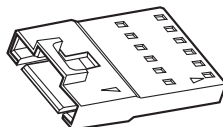
(17133)

**0.100" PITCH SL™ WIRE-TO-WIRE CONNECTORS**



- Black Glass-Filled Polyester, UL 94V-0
- Operating Temperature: -40° to +105°C

Used primarily for remote interconnections. Locking crown secures positive latch to connector. Polarization slots guide front ribs of mating connector to prevent pin damage. Mates with **series 70066** crimp housings; order separately on pages 782-783.



**70107 SERIES SINGLE-ROW, VERSION A, WITHOUT MOUNTING EARS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-9        |  |
| ● 70107-0001  | 2        | 89C1698   | 1.23       |  |
| ● 70107-0002  | 3        | 89C1717   | 1.15       |  |
| ● 70107-0003  | 4        | 89C2447   | 0.75       |  |
| ● 70107-0004  | 5        | 89C1722   | 1.13       |  |
| ● 70107-0005  | 6        | 59H2430   | 1.49       |  |
| ● 70107-0006  | 7        | 59H2431   | 1.62       |  |
| ● 70107-0007  | 8        | 59H2432   | 0.98       |  |
| ● 70107-0008  | 9        | 59H2433   | 1.18       |  |
| ● 70107-0009  | 10       | 59H2434   | 1.77       |  |
| ● 70107-0011  | 12       | 59H2435   | 1.38       |  |

➔ CONTINUED ➔

**0.100" PITCH SL™ WIRE-TO-WIRE CONNECTORS (CONT.)**

**70107 SERIES SINGLE-ROW, VERSION B, WITH MOUNTING EARS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-9        |  |
| ● 70107-0037  | 3        | 13H6425   | 0.95       |  |
| ● 70107-0038  | 4        | 97C7233   | 0.84       |  |

(69955)

**KK® SYSTEM 0.100" (2.54) CENTER CRIMP TERMINALS, TOOLS AND KITS KK-100**



Standard terminals feature patented double cantilever design provides high contact pressure. High pressure terminals feature patented triple cantilever with box shroud ideal for high vibration applications. **2759**, **4809** and **7879** Series brass material or **6459** Series phosphor bronze material available in tin or gold plating. Contacts accept 22 through 30 AWG wire, 0.062" insulation diameter. Use **2759** and **6459** Series contacts with **2695**, **5051**, and **6745** Series KK crimp housings; use **7879** Series contacts with **7880** Series KK crimp housings; order separately on page 781.



3

**2759 SERIES 0.100" (2.54) PITCH TERMINALS ON REEL (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating          | Tape Cut  |            |
|---------------|------------------|------------------|-----------|------------|
|               |                  |                  | Stock No. | Price Each |
| ● 08500113    | Brass            | 15µ" Tin         | 88C0996   | 0.04       |
| ● 08-55-0101  | Brass            | 15µ" Select Gold | 54H5445   | 0.15       |

**6459 SERIES 0.100" (2.54) PITCH TERMINALS ON REEL (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating          | Stock No. | Price Each |
|---------------|------------------|------------------|-----------|------------|
| 08-65-0815    | Phosphor Bronze  | 15µ" Select Gold | 02H5767   | ---        |

**41572 SERIES 0.100" (2.54) PITCH CAT EAR TERMINALS ON REEL (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating | Stock No. | Price Each |
|---------------|------------------|---------|-----------|------------|
| ● 08-65-0804  | Phosphor Bronze  | Tin     | 54H5532   | 0.22       |

**4809 SERIES 0.100" (2.54) PITCH, ANTI-FISHHOOKING TERMINALS (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating | Stock No. | Price Each |
|---------------|------------------|---------|-----------|------------|
| ● 08-50-0031  | Brass            | Tin     | 72C3719   | 0.10       |

**7879 SERIES 0.100" (2.54) PITCH, HIGH PRESSURE TERMINALS ON REEL (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating | Stock No. | Price Each |
|---------------|------------------|---------|-----------|------------|
| ● 08-50-0004  | Brass            | Tin     | 95H7621   | ---        |

**6459 SERIES 0.100" (2.54) PITCH TERMINALS (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating | Stock No. | Price Each |
|---------------|------------------|---------|-----------|------------|
| ● 08-52-0123  | Phosphor Bronze  | Tin     | 54H5427   | 0.10       |

**2759 SERIES 0.100" (2.54) PITCH TERMINALS (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating   | Stock No. | Price Each |
|---------------|------------------|-----------|-----------|------------|
| ● 08-50-0114  | Brass            | Tin       | 34H3328   | 0.09       |
| ● 08-56-0110  | Brass            | 15µ" Gold | 88H3600   | 0.60       |

**7879 SERIES 0.100" (2.54) PITCH, HIGH PRESSURE TERMINALS (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating          | Stock No. | Price Each |
|---------------|------------------|------------------|-----------|------------|
| ● 08-55-0129  | Brass            | 15µ" Select Gold | 54H5453   | 0.38       |

**6459 SERIES 0.100" (2.54) PITCH TERMINALS (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating          | Stock No. | Price Each |
|---------------|------------------|------------------|-----------|------------|
| ● 08-65-0814  | Phosphor Bronze  | 15µ" Gold        | 54H5536   | 0.64       |
| ● 08650816    | Phosphor Bronze  | 15µ" Select Gold | 67P3951   | 0.15       |

**41572 SERIES 0.100" (2.54) PITCH CAT EAR TERMINALS (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating | Stock No. | Price Each |
|---------------|------------------|---------|-----------|------------|
| ● 08-65-0805  | Phosphor Bronze  | Tin     | 54H5533   | 0.13       |

**4809 SERIES 0.100" (2.54) PITCH, ANTI-FISHHOOKING TERMINALS (SOLD INDIVIDUALLY)**

| Mfg. Part No.  | Contact Material | Plating   | Stock No. | Price Each |
|----------------|------------------|-----------|-----------|------------|
| ● 08-50-0032-C | Brass            | Tin       | 36B8878   | 0.14       |
| ● 08-50-0032   | Brass            | Tin       | 95C1486   | 0.17       |
| ● 08-56-0110   | Brass            | 15µ" Gold | 88H3600   | 0.60       |

**7879 SERIES 0.100" (2.54) PITCH, HIGH PRESSURE TERMINALS (SOLD INDIVIDUALLY)**

| Mfg. Part No. | Contact Material | Plating | Stock No. | Price Each |
|---------------|------------------|---------|-----------|------------|
| ● 08-50-0005  | Brass            | Tin     | 54H5353   | ---        |

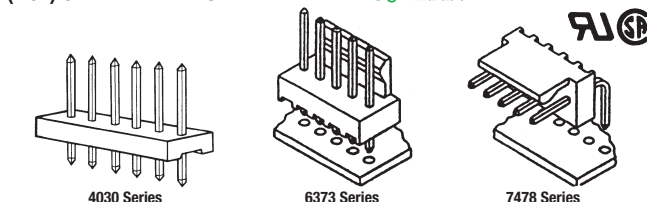
**CRIMP AND EXTRACTION TOOLS FOR 0.100" (2.54) APPLICATIONS**

| Mfg. Part No. | Description     | Pin Diameter      | Stock No. | Price Each |
|---------------|-----------------|-------------------|-----------|------------|
| W-HT-1921-P   | Prototype Crimp | 0.062" and 0.100" | 31F1049   | 13.75      |
| ● 11-03-0022  | Extraction Tool | 0.100"            | 57H7480   | 10.27      |

(8490)

**KK® SYSTEM 0.100" (2.54) CENTER HEADERS**

NEW



- Voltage: 250 V
- Current: 4.0 A
- Contact Resistance: 20 mΩ
- Dielectric Withstanding: 1500 V

- Insulation Resistance: 50,000 MΩ Min.
- Contact: Brass, 0.64mm (0.25") Square, Tin- and Gold-Plating

**4030** series straight square pin flat headers are stackable end-to-end and side-to-side. **6373** series straight or **7478** series right angle square pin friction lock header with ramp. All mate with **2695** series 0.100" KK® crimp terminal housings; order separately on page 781. Individual pieces available; go online or call. UL recognized, CSA certified.

➔ CONTINUED ➔

PC BOARD HEADERS & SOCKETS

KK® SYSTEM 0.100" (2.54) CENTER HEADERS (CONT.)

4030 SERIES STRAIGHT SQUARE PIN FLAT HEADERS

| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-9        | 10-99 |
| ● 22-03-2021  | 2        | Tin             | 55H9215   | 0.21       | 0.16  |
| ● 22-03-2031  | 3        | Tin             | 26H0648   | 0.30       | 0.30  |
| ● 22-03-2041  | 4        | Tin             | 55H9222   | 0.19       | 0.19  |
| ● 22-03-2051  | 5        | Tin             | 55H9225   | 0.51       | 0.39  |
| ● 22-03-2061  | 6        | Tin             | 55H9231   | 0.74       | 0.51  |
| ● 22-03-2081  | 8        | Tin             | 55H9238   | 0.72       | 0.56  |
| ● 22-03-2101  | 10       | Tin             | 55H9246   | 0.76       | 0.64  |
| ● 22-03-2121  | 12       | Tin             | 55H9255   | 0.66       | 0.64  |
| ● 22-10-2021  | 2        | Gold            | 55H9683   | 0.52       | 0.40  |
| ● 22-10-2031  | 3        | Gold            | 55H9687   | 0.88       | 0.60  |
| ● 22-10-2041  | 4        | Gold            | 71H2019   | 0.74       | 0.59  |
| ● 22-10-2061  | 6        | Gold            | 71H2020   | 1.63       | 1.08  |

4094 SERIES RIGHT-ANGLE HEADERS

|              |    |      |         |      |      |
|--------------|----|------|---------|------|------|
| ● 22-05-2041 | 4  | Tin  | 18C0376 | 2.13 | 1.81 |
| ● 22-05-2071 | 7  | Tin  | 55H9556 | 0.60 | 0.47 |
| ● 22-05-2091 | 9  | Tin  | 55H9558 | 1.08 | 0.71 |
| ● 22-12-2071 | 7  | Gold | 18M7993 | 2.31 | 1.98 |
| ● 22-12-2101 | 10 | Gold | 18M7996 | 1.79 | 1.67 |

6373 SERIES STRAIGHT SQUARE PIN FRICTION-LOCK HEADERS

|              |    |      |         |      |      |
|--------------|----|------|---------|------|------|
| ● 22-23-2021 | 2  | Tin  | 25C3832 | 0.25 | 0.25 |
| ● 22-23-2031 | 3  | Tin  | 30C0862 | 0.33 | 0.25 |
| ● 22-23-2041 | 4  | Tin  | 38C0355 | 0.42 | 0.32 |
| ● 22-23-2051 | 5  | Tin  | 38C9178 | 0.51 | 0.39 |
| ● 22-23-2061 | 6  | Tin  | 27C1933 | 0.69 | 0.41 |
| ● 22-23-2071 | 7  | Tin  | 56H0445 | 0.94 | 0.65 |
| ● 22-23-2081 | 8  | Tin  | 01C7592 | 0.41 | 0.39 |
| ● 22-23-2091 | 9  | Tin  | 56H0450 | 0.76 | 0.58 |
| ● 22-23-2101 | 10 | Tin  | 94C0765 | 0.76 | 0.58 |
| ● 22-23-2111 | 11 | Tin  | 27C9916 | 0.57 | 0.46 |
| ● 22-23-2121 | 12 | Tin  | 56H0456 | 0.99 | 0.65 |
| ● 22-23-2161 | 16 | Tin  | 56H0461 | 0.82 | 0.82 |
| ● 22-23-2201 | 20 | Tin  | 56H0465 | 1.06 | 0.94 |
| ● 22-11-2022 | 2  | Gold | 55H9825 | 0.52 | 0.40 |
| ● 22-11-2032 | 3  | Gold | 81C8218 | 1.16 | 0.69 |
| ● 22-11-2042 | 4  | Gold | 38C9163 | 1.21 | 0.72 |
| ● 22-11-2052 | 5  | Gold | 55H9833 | 1.30 | 0.94 |
| ● 22-11-2062 | 6  | Gold | 38C9164 | 1.44 | 1.04 |
| ● 22-11-2072 | 7  | Gold | 55H9837 | 0.78 | 0.78 |
| ● 22-11-2082 | 8  | Gold | 55H9839 | 1.72 | 1.32 |
| ● 22-11-2092 | 9  | Gold | 55H9841 | 1.34 | 1.06 |
| ● 22-11-2102 | 10 | Gold | 55H9844 | 1.91 | 1.32 |
| ● 22-11-2112 | 11 | Gold | 55H9846 | 1.39 | 1.30 |
| ● 22-11-2122 | 12 | Gold | 81C8221 | 2.01 | 1.60 |
| ● 22-11-2142 | 14 | Gold | 03H3058 | 2.08 | 1.93 |

7478 SERIES RIGHT-ANGLE SQUARE PIN FRICTION-LOCK HEADERS

|              |    |      |         |      |      |
|--------------|----|------|---------|------|------|
| ● 22-05-3021 | 2  | Tin  | 55H9580 | 0.29 | 0.22 |
| ● 22-05-3031 | 3  | Tin  | 55H9581 | 0.51 | 0.51 |
| ● 22-05-3041 | 4  | Tin  | 27C1932 | 0.70 | 0.70 |
| ● 22-05-3061 | 6  | Tin  | 55H9584 | 0.95 | 0.62 |
| ● 22-05-3071 | 7  | Tin  | 55H9585 | 1.00 | 0.92 |
| ● 22-05-3081 | 8  | Tin  | 55H9588 | 1.12 | 1.10 |
| ● 22-05-3101 | 10 | Tin  | 38C9159 | 1.22 | 0.80 |
| ● 22-05-3121 | 12 | Tin  | 55H9593 | ---  | ---  |
| ● 22-12-2024 | 2  | Gold | 55H9899 | 0.82 | 0.49 |
| ● 22-12-2034 | 3  | Gold | 55H9901 | 1.46 | 1.05 |
| ● 22-12-2044 | 4  | Gold | 55H9905 | 1.61 | 1.25 |
| ● 22-12-2054 | 5  | Gold | 55H9909 | 2.10 | 1.85 |
| ● 22-12-2064 | 6  | Gold | 02E0039 | 1.84 | 1.47 |
| ● 22-12-2074 | 7  | Gold | 81C7395 | 1.49 | 1.20 |
| ● 22-12-2084 | 8  | Gold | 55H9915 | 2.22 | 1.90 |
| ● 22-12-2104 | 10 | Gold | 55H9919 | 2.17 | 1.95 |
| ● 22-12-2164 | 16 | Gold | 63M5032 | 5.36 | 5.36 |

6410 SERIES VERTICAL FRICTION-LOCK HEADERS

|              |    |      |         |      |      |
|--------------|----|------|---------|------|------|
| ● 22-27-2021 | 2  | Tin  | 74C1122 | 0.23 | 0.23 |
| ● 22-27-2031 | 3  | Tin  | 13T6895 | 0.42 | 0.32 |
| ● 22-27-2041 | 4  | Tin  | 56H0718 | 0.66 | 0.39 |
| ● 22-27-2051 | 5  | Tin  | 94C5654 | 0.34 | 0.30 |
| ● 22-27-2061 | 6  | Tin  | 56H0719 | 0.42 | 0.42 |
| ● 22-27-2071 | 7  | Tin  | 56H0720 | 0.58 | 0.53 |
| ● 22-27-2101 | 10 | Tin  | 02H6187 | 0.44 | 0.44 |
| ● 22-29-2021 | 2  | Gold | 91C4367 | 0.43 | 0.43 |
| ● 22-29-2031 | 3  | Gold | 23H0040 | 0.96 | 0.96 |

▶ CONTINUED ▶

KK® SYSTEM 0.100" (2.54) CENTER HEADERS (CONT.)

7395 SERIES RIGHT-ANGLE SQUARE PIN FRICTION-LOCK HEADERS

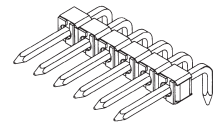
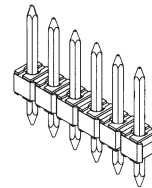
| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |       |
|---------------|----------|-----------------|-----------|------------|-------|
|               |          |                 |           | 1-9        | 10-99 |
| ● 22-05-7058  | 5        | Tin             | 55H9619   | 1.09       | 1.02  |

(8516)

KK® SYSTEM 0.100" (2.54) CENTER BREAKAWAY HEADERS



- Phosphor Bronze 0.025" Square Pins
- Pins are Tin-Plated in Solder Area
- Voltage: 250 V
- Current: 4 A
- Contact Resistance: 20 mΩ Max.



42375 Series

42377 Series

Surface mount compatible, single row stick headers are available in straight and right-angle configurations. Dielectric withstanding voltage: 1500V. Insulation resistance: 50,000MΩ min. Temperature range: 0° to +75°C. Mate with 2695 series KK® series crimp terminal housings; ordered separately on page 781. UL recognized, CSA certified.

42375 SERIES STRAIGHT BREAKAWAY HEADERS

| Mfg. Part No. | Circuits | Pin Length | Tail Length | Contact Plating | Stock No. | Price Each |       |
|---------------|----------|------------|-------------|-----------------|-----------|------------|-------|
|               |          |            |             |                 |           | 1-9        | 10-99 |
| ● 22-28-4020  | 2        | 0.240"     | 0.125"      | Tin             | 91C4627   | 0.29       | 0.25  |
| ● 22-28-4030  | 3        | 0.240"     | 0.125"      | Tin             | 56H1960   | 0.11       | 0.10  |
| ● 22-28-4060  | 6        | 0.240"     | 0.125"      | Tin             | 94C4038   | 0.36       | 0.33  |
| ● 22-28-4080  | 8        | 0.240"     | 0.125"      | Tin             | 56H2000   | 0.57       | 0.41  |
| ● 22-28-4100  | 10       | 0.240"     | 0.125"      | Tin             | 37B896    | ---        | ---   |
| ● 22-28-4160  | 16       | 0.240"     | 0.125"      | Tin             | 56H2065   | 0.57       | 0.50  |
| ● 22-28-4360  | 36       | 0.240"     | 0.240"      | Tin             | 56H2242   | 0.89       | 0.79  |
| ● 22-28-4022  | 2        | 0.295"     | 0.120"      | Tin             | 94C4035   | 0.06       | 0.06  |
| ● 22-28-4032  | 3        | 0.295"     | 0.120"      | Tin             | 56H1962   | 0.09       | 0.08  |
| ● 22-28-4361  | 36       | 0.320"     | 0.130"      | Tin             | 56H2243   | 0.72       | 0.72  |
| ● 22-28-4023  | 2        | 0.240"     | 0.125"      | 15u" Gold       | 92C2171   | 0.31       | 0.28  |
| ● 22-28-4033  | 3        | 0.240"     | 0.125"      | 15u" Gold       | 87K0730   | 0.34       | 0.31  |
| ● 22-28-4053  | 5        | 0.240"     | 0.125"      | 15u" Gold       | 56H1978   | 0.52       | 0.38  |
| ● 22-28-4063  | 6        | 0.240"     | 0.125"      | 15u" Gold       | 56H1986   | 0.24       | 0.24  |
| ● 22-28-4363  | 36       | 0.240"     | 0.125"      | 15u" Gold       | 56H2245   | 1.23       | 1.10  |
| ● 22-28-4364  | 36       | 0.320"     | 0.130"      | 15u" Gold       | 56H2246   | 1.53       | 1.36  |
| ● 22-28-4036  | 3        | 0.240"     | 0.125"      | 15u" Gold       | 56H1965   | 0.12       | 0.12  |

42377 SERIES RIGHT-ANGLE BREAKAWAY HEADERS

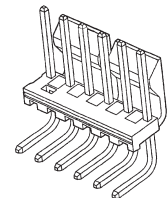
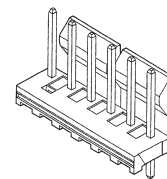
|              |    |        |        |           |         |      |      |
|--------------|----|--------|--------|-----------|---------|------|------|
| ● 22-28-8020 | 2  | 0.244" | 0.120" | Tin       | 32M6606 | 0.12 | 0.11 |
| ● 22-28-8050 | 5  | 0.244" | 0.120" | Tin       | 56H2978 | 0.31 | 0.30 |
| ● 22-28-8060 | 6  | 0.244" | 0.120" | Tin       | 56H2983 | 0.32 | 0.29 |
| ● 22-28-8360 | 36 | 0.244" | 0.120" | Tin       | 56H3121 | 1.11 | 1.11 |
| ● 22-28-8361 | 36 | 0.324" | 0.120" | Tin       | 50H8206 | 1.24 | 1.24 |
| ● 22-28-8362 | 36 | 0.244" | 0.120" | 15u" Gold | 56H3123 | 2.97 | 2.46 |
| ● 22-28-8363 | 36 | 0.324" | 0.120" | 15u" Gold | 50H8207 | 1.15 | 1.15 |

(16272)

0.156" (3.96) CENTER KK® SOLID HEADERS



- End-to-End Stackable
- Voltage: 250 V
- Current: 7.0 A
- Contact Resistance: 6 mΩ max.
- Insulation Resistance: 50K MΩ min.



Vertical

Right-Angle

Passive locking maintains interconnection, ideal for high vibration applications. Left-to-right polarization when mated with type 41695 0.156" crimp housing with polarizing ribs; order separately online or call. Housing: polyester, rated UL 94V-0. Contact pins: brass, 0.045" (1.14). Dielectric withstanding voltage: 1500 V. Operating temperature: 0 to +75°C.

▶ CONTINUED ▶

Don't see what you need?

We customize panel meters & controllers. See details online under services or call us.

(196530)



0.156" (3.96) CENTER KK® SOLID HEADERS (CONT.)

41791 SERIES VERTICAL FRICTION-LOCK HEADERS, WITHOUT PEGS

| Mfg. Part No. | Circuits | Contact Plating | Stock No.    | Price Each |       |      |
|---------------|----------|-----------------|--------------|------------|-------|------|
|               |          |                 |              | 1-9        | 10-99 |      |
| ● 26-60-4020  | 2        | Tin             | 56H5828      | 0.29       | 0.22  |      |
| ● 26-60-4030  | 3        |                 | 56H5832      | 0.33       | 0.25  |      |
| ● 26-60-4040  | 4        |                 | 56H5836      | 0.46       | 0.35  |      |
| ● 26-60-4050  | 5        |                 | 07H7418      | 0.21       | 0.21  |      |
| ● 26-60-4060  | 6        |                 | 17H0966      | 0.69       | 0.41  |      |
| ● 26-60-4070  | 7        |                 | 56H5845      | 0.65       | 0.58  |      |
| ● 26-60-4080  | 8        |                 | 56H5848      | 1.25       | 0.74  |      |
| ● 26-60-4090  | 9        |                 | 56H5851      | 0.96       | 0.68  |      |
| ● 26-60-4100  | 10       |                 | 56H5855      | 0.58       | 0.58  |      |
| ● 26-60-4120  | 12       |                 | 56H5858      | 0.60       | 0.60  |      |
| ● 26-60-4130  | 13       |                 | 07H7508      | ---        | ---   |      |
| ● 26-60-4140  | 14       |                 | 01E9925      | 0.97       | 0.97  |      |
| ● 26-61-4020  | 2        |                 | Overall Gold | 38C9333    | 0.90  | 0.55 |
| ● 26-61-4030  | 3        |                 |              | 37B1910    | 1.13  | 0.82 |
| ● 26-61-4040  | 4        | 56H6126         |              | ---        | ---   |      |
| ● 26-61-4050  | 5        | 71H2284         |              | 1.57       | 1.25  |      |
| ● 26-61-4060  | 6        | 94B4285         |              | 1.72       | 1.46  |      |
| ● 26-61-4080  | 8        | 38C9334         |              | 2.43       | 2.15  |      |
| ● 26-61-4100  | 10       | 92B0071         |              | 3.40       | 2.34  |      |
| ● 26-61-4120  | 12       | 56H6132         |              | 3.47       | 2.39  |      |

41792 SERIES RIGHT-ANGLE FRICTION-LOCK HEADERS, WITHOUT PEGS

| Mfg. Part No. | Circuits | Contact Plating | Stock No.    | Price Each |       |       |
|---------------|----------|-----------------|--------------|------------|-------|-------|
|               |          |                 |              | 1-9        | 10-99 |       |
| ● 26-60-5020  | 2        | Tin             | 56H5866      | 0.18       | 0.16  |       |
| ● 26-60-5030  | 3        |                 | 56H5869      | 0.36       | 0.27  |       |
| ● 26-60-5040  | 4        |                 | 56H5872      | 0.50       | 0.38  |       |
| ● 26-60-5050  | 5        |                 | 56H5875      | 0.64       | 0.49  |       |
| ● 26-60-5060  | 6        |                 | 56H5877      | 0.86       | 0.56  |       |
| ● 26-60-5080  | 8        |                 | 71H2282      | 1.10       | 0.73  |       |
| ● 26-60-5100  | 10       |                 | 56H5887      | 1.21       | 1.17  |       |
| ● 26-60-5120  | 12       |                 | 18M8026      | 1.82       | 1.59  |       |
| ● 26-61-5020  | 2        |                 | Overall Gold | 56H6140    | 1.32  | 1.04  |
| ● 26-61-5030  | 3        |                 |              | 17C1877    | 1.62  | 1.48  |
| ● 26-61-5040  | 4        |                 |              | 38C9336    | 2.08  | 1.63  |
| ● 26-61-5050  | 5        |                 |              | 71H2287    | 2.64  | 2.22  |
| ● 26-61-5060  | 6        |                 |              | 23C8343    | ---   | ---   |
| ● 26-61-5120  | 12       |                 |              | 56H6158    | 10.50 | 10.08 |

42491 SERIES VERTICAL FRICTION-LOCK HEADERS, WITHOUT PEGS

| Mfg. Part No. | Circuits | Contact Plating | Voided Positions | Stock No. | Price Each |       |
|---------------|----------|-----------------|------------------|-----------|------------|-------|
|               |          |                 |                  |           | 1-9        | 10-99 |
| ● 26-64-4020  | 2        | Tin             | None             | 56H6358   | 0.18       | 0.16  |
| ● 26-64-4030  | 3        |                 | None             | 73K0507   | 0.32       | 0.21  |
| ● 26-64-4080  | 8        |                 | None             | 25M2032   | 0.43       | 0.43  |
|               |          |                 | None             |           |            |       |

0.156" (3.96) KK® CRIMP TERMINALS



- Voltage: 250 V
- Current: Brass 5.0 A max. Phosphor Bronze 7.0 A max.
- Contact Resistance Series 2478-2578: 20 mΩ max.
- Contact Resistance Series 6838-7258: 6 mΩ max.
- Dielectric Withstanding Voltage: 1500 V
- Insulation Resistance: 50,000 MΩ min.



Patented double cantilever design. Phosphor bronze or brass, in tin or gold plating. Use with 2139 and 41695 series 0.156" (3.96) KK® series crimp terminal housings; go online or call.

2578 SERIES CRIMP TERMINALS - SOLD INDIVIDUALLY

| Mfg. Part No. | Material | AWG   | Plating | Insul. Dia. | Stock No. | Price Each |
|---------------|----------|-------|---------|-------------|-----------|------------|
|               |          |       |         |             |           | 1-99       |
| ● 08-50-0108  | Brass    | 26-22 | Tin     | 0.065"      | 95C2104   | 0.11       |

2478, 2578 SERIES CRIMP TERMINALS - SOLD INDIVIDUALLY

| Mfg. Part No. | Material        | AWG   | Plating   | Insul. Dia. | Stock No. | Price Each |
|---------------|-----------------|-------|-----------|-------------|-----------|------------|
|               |                 |       |           |             |           | 1-99       |
| ● 08-52-0072  | Phosphor Bronze | 20-18 | Tin       | 0.110"      | 72K1671   | 0.08       |
| ● 08-65-0115  | Phosphor Bronze | 20-18 | 15µ" Gold | 0.110"      | 54H5523   | 0.20       |
| ● 08-58-0122  | Phosphor Bronze | 20-18 | 20µ" Gold | 0.110"      | 54H5501   | 0.55       |
| ● 08-50-0134  | Phosphor Bronze | 26-22 | Tin       | 0.065"      | 54H5375   | 0.08       |
| ● 08-58-0126  | Phosphor Bronze | 26-22 | 20µ" Gold | 0.065"      | 54H5502   | 0.59       |
| ● 08-56-0106  | Brass           | 20-18 | 15µ" Gold | 0.110"      | 54H5461   | 0.55       |
| ● 08-55-0104  | Brass           | 24-18 | 15µ" Gold | 0.110"      | 54H5447   | 0.26       |
| ● 08-50-0107  | Brass           | 26-22 | Tin       | 0.065"      | 74C6796   | 0.04       |
| ● 08-56-0108* | Brass           | 26-22 | 20µ" Gold | 0.065"      | 54H5463   | 0.59       |

➔ CONTINUED ➔

0.156" (3.96) KK® CRIMP TERMINALS (CONT.)

2478, 2578 SERIES CRIMP TERMINALS ON REELS - SOLD INDIVIDUALLY

| Mfg. Part No. | Material        | AWG   | Plating   | Insul. Dia. | Stock No. | Price Each |
|---------------|-----------------|-------|-----------|-------------|-----------|------------|
|               |                 |       |           |             |           | 1-99       |
| ● 08-50-0133  | Phosphor Bronze | 26-22 | Tin       | 0.065"      | 97C5362   | ---        |
| ● 08-58-0121  | Phosphor Bronze | 24-22 | 20µ" Gold | 0.110"      | 84C9280   | 0.48       |
| ● 08-50-0105  | Brass           | 20-18 | Tin       | 0.110"      | 74C6795   | 0.07       |
| ● 08-55-0103  | Brass           | 24-18 | 15µ" Gold | 0.110"      | 01E9145   | 0.19       |
| ● 08-50-0107  | Brass           | 26-22 | Tin       | 0.065"      | 74C6796   | 0.04       |

2878 SERIES BIFURCATED CRIMP TERMINALS - SOLD INDIVIDUALLY

|              |       |       |     |        |         |      |
|--------------|-------|-------|-----|--------|---------|------|
| ● 08-50-0116 | Brass | 20-18 | Tin | 0.110" | 54H5368 | 0.08 |
|--------------|-------|-------|-----|--------|---------|------|

4366 SERIES DOUBLE-SIDED CRIMP TERMINALS ON REELS - SOLD INDIVIDUALLY

|              |       |       |           |        |         |      |
|--------------|-------|-------|-----------|--------|---------|------|
| ● 08-03-0303 | Brass | 24-18 | Tin       | 0.110" | 54H5331 | 0.11 |
| ● 08-05-0301 | Brass | 24-18 | 15µ" Gold | 0.110" | 24M9877 | 0.35 |

4366 SERIES CRIMP - SOLD INDIVIDUALLY

|              |       |       |           |        |         |      |
|--------------|-------|-------|-----------|--------|---------|------|
| ● 08-05-0302 | Brass | 24-18 | 15µ" Gold | 0.110" | 54H5338 | 0.48 |
|--------------|-------|-------|-----------|--------|---------|------|

6838, 7258 SERIES CRIMP TERMINALS - SOLD INDIVIDUALLY

|              |                 |       |             |        |         |      |
|--------------|-----------------|-------|-------------|--------|---------|------|
| ● 08-52-0113 | Phosphor Bronze | 20-18 | Tin         | 0.110" | 54H5426 | 0.12 |
| ● 08-52-0125 | Phosphor Bronze | 26-22 | Tin         | 0.065" | 54H5429 | 0.09 |
| ● 08-50-0189 | Brass           | 20-18 | Tin         | 0.110" | 96C8687 | 0.09 |
| ● 08-50-0185 | Brass           | 26-22 | Tin         | 0.065" | 54H5381 | 0.08 |
| ● 08-58-0189 | Phosphor Bronze | 20-18 | 30µ" Gold   | 0.110" | 97C5045 | 0.46 |
| ● 08-58-0111 | Phosphor Bronze | 20-18 | Select Gold | 0.110" | 85C0018 | 0.78 |
| ● 08-65-0122 | Phosphor Bronze | 26-22 | Select Gold | 0.065" | 54H5528 | 0.56 |

6838, 7258 SERIES CRIMP TERMINALS ON REELS - SOLD INDIVIDUALLY

|              |                 |       |             |        |         |      |
|--------------|-----------------|-------|-------------|--------|---------|------|
| ● 08-58-0187 | Phosphor Bronze | 20-18 | 30µ" Gold   | 0.110" | 29H4139 | 0.46 |
| ● 08-58-0110 | Phosphor Bronze | 20-18 | Select Gold | 0.110" | 54H5497 | 0.41 |

45570 SERIES CRIMP TERMINALS - SOLD INDIVIDUALLY

|              |              |       |     |        |         |      |
|--------------|--------------|-------|-----|--------|---------|------|
| ● 45570-3050 | Copper Alloy | 20-18 | Tin | 0.095" | 40P3799 | 0.19 |
|--------------|--------------|-------|-----|--------|---------|------|

7879 SERIES CRIMP TERMINALS - SOLD INDIVIDUALLY

|              |       |       |     |        |         |     |
|--------------|-------|-------|-----|--------|---------|-----|
| ● 08-50-0004 | Brass | 30-22 | Tin | 0.062" | 02E2106 | --- |
|--------------|-------|-------|-----|--------|---------|-----|

KK® CRIMP TERMINALS ACCESSORIES

| Mfg. Part No. | Description                                       | Stock No. | Price Each |
|---------------|---|-----------|------------|
| W-HT-1919-P   | Prototyping Crimp for 0.093" and 0.156" Terminals | 31F1048   | 14.53      |
| 11-03-0016    | Crimp Terminal Extractor                          | 91B1215   | 15.30      |

(8406)

3.96mm (0.156") WIRE-TO-BOARD CONNECTORS



- Voltage: 250 V
- Current: 7.0 A
- Contact Resistance: 10 milliohms max.
- Dielectric Withstanding Voltage: 1500V
- Insulation Resistance: 1000 Megohms min.
- Housing: Polyamide, UL 94V-0
- Contact: Brass
- Plating: Tin
- Operating Temperature: -40° to +105°C

50217 SERIES CRIMP CONTACTS

| Mfg. Part No. | AWG   | Packaging       | Packaging | Stock No. | Price Each |       |
|---------------|-------|-----------------|-----------|-----------|------------|-------|
|               |       |                 |           |           | 1-9        | 10-99 |
| ● 50217-8100  | 24-18 | 1.40 to 3.00 mm | Bag       | 91C6343   | ---        | ---   |

35156 SERIES CRIMP HOUSING - POSITIVE LOCK

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |       |
|---------------|-----------------|-----------|------------|-------|
|               |                 |           | 1-9        | 10-99 |
| ● 35156-0200  | 2               | 56H7080   | 0.32       | 0.20  |
| ● 35156-1000  | 10              | 03H3369   | 0.50       | 0.46  |

35156 SERIES VERTICAL SHROUDED HEADERS

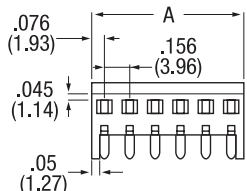
|              |   |         |     |     |
|--------------|---|---------|-----|-----|
| ● 35313-0260 | 2 | 96K5043 | --- | --- |
|--------------|---|---------|-----|-----|

(135630)

KK® SERIES 0.156" (3.96) PITCH PC BOARD CONNECTORS



- End-to-End Stackable
- Voltage: 250 V AC Max.
- Current: 5 A Max.
- Contact Resistance: 6 mΩ Max.
- Dielectric Withstanding Voltage: 1500 VAC
- Insulation Resistance: 50K MΩ Min.
- Housing: 2145 Series Nylon, UL 94V-2; 41815 Series Polyester, UL 94V-0



Choice of side-entry, bottom-entry and top-entry versions with tin or gold plating.

2145 SERIES SIDE-ENTRY

| Mfg. Part No. | Circuits | Plating | Dim. A         | Stock No. | Price Each |       |         |
|---------------|----------|---------|----------------|-----------|------------|-------|---------|
|               |          |         |                |           | 1-9        | 10-99 | 100-499 |
| ● 09-52-3031  | 3        | Tin     | 0.464" (11.78) | 36C2372   | 0.55       | 0.43  | 0.43    |
| ● 09-52-3041  | 4        | Tin     | 0.620" (15.74) | 50H8133   | 0.61       | 0.51  | 0.35    |
| ● 09-52-3081  | 8        | Tin     | 0.796" (20.22) | 52R3256   | 1.72       | 1.51  | 1.35    |

➔ CONTINUED ➔

PC BOARD HEADERS & SOCKETS

**KK® SERIES 0.156" (3.96) PITCH**  
**PC BOARD CONNECTORS (CONT.)**

| Mfg. Part No.                    | Circuits | Plating | Dim. A         | Stock No. | Price Each |       |         |
|----------------------------------|----------|---------|----------------|-----------|------------|-------|---------|
|                                  |          |         |                |           | 1-9        | 10-99 | 100-499 |
| ● 09-62-3041                     | 4        | Gold    | 0.620" (15.74) | 28M9326   | ---        | ---   | ---     |
| ● 09-62-3051TR136                | 5        | Gold    | 0.776" (19.71) | 93F9664   | 1.35       | 0.85  | 0.70    |
| <b>2145 SERIES BOTTOM-ENTRY</b>  |          |         |                |           |            |       |         |
| ● 09-62-3062                     | 6        | Gold    | 0.932" (23.67) | 28M9328   | 1.92       | 1.21  | 1.00    |
| <b>41815 SERIES BOTTOM-ENTRY</b> |          |         |                |           |            |       |         |
| ● 09-48-4099                     | 9        | Tin     | 1.404" (35.56) | 54H6728   | 2.79       | 1.76  | 1.46    |
| ● 09-48-3084                     | 8        | Gold    | 1.244" (31.59) | 54H6683   | 3.03       | 1.90  | 1.58    |
| <b>2145 SERIES TOP-ENTRY</b>     |          |         |                |           |            |       |         |
| ● 09-62-3083                     | 8        | Gold    | 1.244" (31.59) | 91C6294   | 1.34       | 1.05  | 0.93    |
| <b>41815 SERIES TOP-ENTRY</b>    |          |         |                |           |            |       |         |
| ● 09-48-3106 (75484)             | 10       | Gold    | 1.556" (39.52) | 54H6691   | 3.60       | 2.26  | 1.88    |

**PRE-CRIMPED WIRE LEADS**

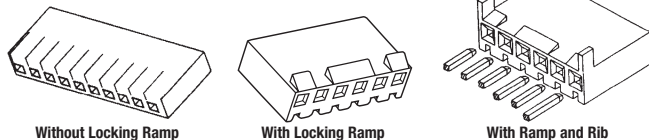


Pre-crimped interconnecting leads with crimped socket to socket, socket to board-in and socket to free end termination. Available in 150mm and 300mm lengths.

| Mfg. Part No. | Description                  | Length | Stock No. | Price Each |
|---------------|------------------------------|--------|-----------|------------|
|               |                              |        |           | 1-49       |
| ● 06-66-0012  | Crimp Socket to Crimp Socket | 152 mm | 93K4875   | 9.23       |
| ● 06-66-0013  | Crimp Socket to Crimp Socket | 304 mm | 93K4876   | 10.77      |
| ● 06-66-0015  | Crimp Socket to Free End     | 304 mm | 93K4877   | 6.33       |

(113751)

**0.156" (3.96) CENTER KK® CRIMP TERMINAL HOUSINGS KK156**



- Voltage: 250V AC max.
- Current: Phosphor Bronze 7.0A max.; Brass 5.0A max.
- Dielectric Withstanding Voltage: 1500V AC
- Insulation Resistance: 2139 Series 50K Megohms min.; 41695 Series 500K Megohms min.
- Housing: 2139 Series Nylon, UL 94V-2; 41695 Series Polyester, UL 94V-0
- Operating Temperature: 0°C to +75°C

KK® interconnection system PC board connectors. Locking ramp and polarizing rib features available. Insulation Resistance: 2139 Series 50K Megohms min.; 41695 Series 500K Megohms min. Housing: 2139 Series Nylon, UL 94V-2; 41695 Series Polyester, UL 94V-0. Accepts 2478 and 2578 series cantilever crimp terminals, order separately on page 785. Mates with 0.156" (3.96) center headers and 0.045" (1.14) staked pins in the board, order separately on page 785. UL recognized, CSA certified. Order polarizing accessories and type KK-156 crimp terminal kit separately below.

**2139 SERIES TERMINAL HOUSINGS WITHOUT LOCKING RAMP**

| Mfg. Part No. | Circuits | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-9        | 10-99 |
| ● 09-50-7021  | 2        | 38C8776   | 0.16       | 0.13  |
| ● 09-50-7031  | 3        | 54H6869   | ---        | ---   |
| ● 09-50-7041  | 4        | 38C8778   | 0.33       | 0.20  |
| ● 09-50-7051  | 5        | 38C8779   | 0.23       | 0.21  |
| ● 09-50-7061  | 6        | 18M7875   | 0.37       | 0.29  |
| ● 09-50-7071  | 7        | 28M9325   | 0.79       | 0.49  |
| ● 09-50-7081  | 8        | 38C8781   | 0.49       | 0.37  |
| ● 09-50-7091  | 9        | 54H6876   | 0.34       | 0.30  |
| ● 09-50-7101  | 10       | 38C8783   | 0.29       | 0.29  |
| ● 09-50-7121  | 12       | 38C8784   | 0.51       | 0.44  |

**2139 SERIES TERMINAL HOUSINGS WITH LOCKING RAMP**

|              |   |         |      |      |
|--------------|---|---------|------|------|
| ● 09-50-3021 | 2 | 38C8765 | 0.17 | 0.13 |
| ● 09-50-3031 | 3 | 38C8766 | 0.40 | 0.25 |
| ● 09-50-3041 | 4 | 54H6814 | 0.29 | 0.22 |
| ● 09-50-3051 | 5 | 38C8768 | 0.36 | 0.27 |
| ● 09-50-3061 | 6 | 38C8769 | 0.43 | 0.33 |

➔ CONTINUED ➔

**0.156" (3.96) CENTER KK® CRIMP TERMINAL HOUSINGS KK156 (CONT.)**

**2139 SERIES TERMINAL HOUSINGS WITH LOCKING RAMP**

| Mfg. Part No. | Circuits | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-9        | 10-99 |
| ● 09-50-3071  | 7        | 18M7873   | 0.56       | 0.36  |
| ● 09-50-3081  | 8        | 54H6822   | 0.51       | 0.39  |
| ● 09-50-3091  | 9        | 77C6154   | 0.45       | 0.42  |
| ● 09-50-3101  | 10       | 54H6825   | 0.63       | 0.48  |
| ● 09-50-3121  | 12       | 54H6828   | 1.17       | 0.70  |
| ● 09-50-3141  | 14       | 95H7495   | 0.41       | 0.41  |
| ● 09-50-3151  | 15       | 74C5880   | 0.52       | 0.44  |
| ● 09-50-3181  | 18       | 95H7496   | 1.15       | 1.00  |

**5239 SERIES TERMINAL HOUSINGS WITH LOCKING RAMP**

|              |   |         |      |      |
|--------------|---|---------|------|------|
| ● 09-52-4044 | 4 | 54H7078 | 0.43 | 0.43 |
| ● 09-52-4064 | 6 | 92C7818 | 0.88 | 0.75 |

**6442 SERIES HOUSINGS WITH LOCKING RAMP**

|              |    |         |      |      |
|--------------|----|---------|------|------|
| ● 26-03-4020 | 2  | 56H4812 | 0.08 | 0.07 |
| ● 26-03-4030 | 3  | 96C8689 | 0.11 | 0.11 |
| ● 26-03-4041 | 4  | 85C2754 | 0.12 | 0.12 |
| ● 26-03-4070 | 7  | 56H4816 | ---  | ---  |
| ● 26-03-4081 | 8  | 56H4818 | 0.32 | 0.28 |
| ● 26-03-4131 | 13 | 56H4829 | 1.08 | 0.82 |

**41695 SERIES HOUSINGS WITH LOCKING RAMP**

|              |    |         |      |      |
|--------------|----|---------|------|------|
| ● 09-50-8021 | 2  | 54H6895 | 0.25 | 0.19 |
| ● 09-50-8031 | 3  | 54H6898 | 0.23 | 0.17 |
| ● 09-50-8041 | 4  | 54H6900 | ---  | ---  |
| ● 09-50-8051 | 5  | 88C9610 | 0.37 | 0.29 |
| ● 09-50-8061 | 6  | 54H6906 | 0.46 | 0.35 |
| ● 09-50-8071 | 7  | 38C8793 | 0.49 | 0.37 |
| ● 09-50-8081 | 8  | 54H6912 | ---  | ---  |
| ● 09-50-8091 | 9  | 38C8796 | 0.62 | 0.47 |
| ● 09-50-8101 | 10 | 38C8798 | 0.58 | 0.45 |
| ● 09-50-8121 | 12 | 18M7877 | 0.82 | 0.63 |

**41695 SERIES HOUSINGS WITH LOCKING RAMP AND POLARIZING RIBS**

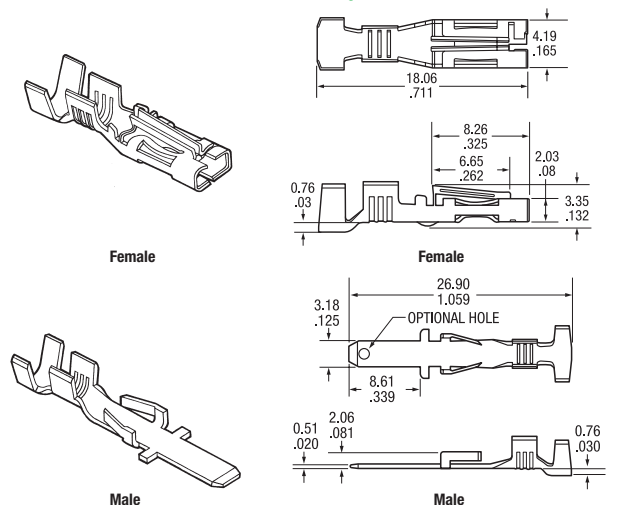
|              |    |         |      |      |
|--------------|----|---------|------|------|
| ● 09-50-8023 | 2  | 54H6896 | 0.16 | 0.12 |
| ● 09-50-8033 | 3  | 01E9140 | 0.19 | 0.15 |
| ● 09-50-8043 | 4  | 38C8789 | 0.32 | 0.24 |
| ● 09-50-8053 | 5  | 54H6904 | 0.39 | 0.30 |
| ● 09-50-8063 | 6  | 54H6907 | 0.50 | 0.37 |
| ● 09-50-8073 | 7  | 90B7962 | 0.29 | 0.27 |
| ● 09-50-8083 | 8  | 38C8795 | 0.74 | 0.45 |
| ● 09-50-8093 | 9  | 38C8797 | 0.83 | 0.54 |
| ● 09-50-8103 | 10 | 38C8799 | 0.72 | 0.56 |
| ● 09-50-8123 | 12 | 96B1198 | 0.95 | 0.63 |

**ACCESSORIES**

| Mfg. Part No. | Description                     | Stock No. | Price Each |
|---------------|---------------------------------|-----------|------------|
|               |                                 |           | 1-99       |
| ● 15-04-0219  | Polarizing Key for 2139 Series  | 54H9932   | 0.13       |
| ● 15-04-0297  | Polarizing Key for 41695 Series | 88C9597   | 0.09       |

(8404)

**0.295" (7.50) PITCH SABRE™ TERMINALS**



➔ CONTINUED ➔

0.295" (7.50) PITCH SABRE™ TERMINALS (CONT.)

Type 43375 female terminals use with 44441 series receptacle housings ordered separately on this page. Type 43178 male terminals for use with 43680 series plug housings ordered separately on pages 906-907. Contact: Brass. Plating: Tin. Operating temperature: -40°C to +75°C. UL recognized, CSA certified. Terminals are sold in packages of 100. Order crimp and extraction tools separately below.

7.50mm (0.295") PITCH SABRE™ TERMINALS

| Mfg. Part No. | AWG    | Form   | Insulation Diameter Max. | Stock No. | Price Each |     |
|---------------|--------|--------|--------------------------|-----------|------------|-----|
|               |        |        |                          |           | 1-9        | 1-9 |
| ● 43375-1001  | 14-18* | Female | 0.180" (4.57)            | 57H0130   | 0.09       |     |
| ● 43178-1002  | 18     | Male   | 0.130" (3.30)            | 28H9357   | 0.10       |     |
| ● 43178-2002  | 14-18* | Male   | 0.180" (4.57)            | 56H9886   | 0.18       |     |

\* 18 AWG double wire crimp

CRIMP AND EXTRACTION TOOLS

| Mfg. Part No. | Description                                   | Stock No. | Price Each |     |
|---------------|---|-----------|------------|-----|
|               |   |           | 1-4        | 1-4 |
| 63811-0600    | Crimp Tool for Power Connectors, 18 AWG, Male | 25M4929   | 366.75     |     |
| 63813-0800    | Extraction Tool - Male                        | 54H1013   | ---        |     |

(75612)

0.295" (7.50) PITCH SABRE™ WIRE-TO-BOARD HEADERS

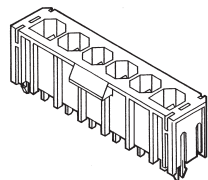


Fig. 1

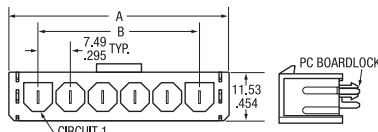


Fig. 1

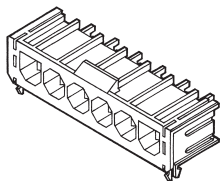


Fig. 2

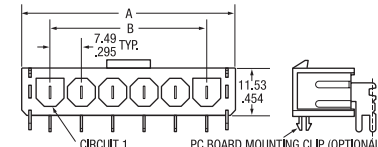


Fig. 2

- Sized 2 to 6 Circuits
- Wire-to-Board
- Surface Mount Compatible
- Optional Boardlock Feature Offered in 0.062" (1.57), 0.093" (2.36), and 0.125" (3.18mm) Lengths
- Positive Lock
- Fully Polarized

Voltage: 600V. Current: 18A. Contact resistance: 10mOhms (max.). Dielectric withstanding voltage: 5000V. Insulation resistance: 1000mOhms (min.). Housing: Black glass filled nylon, UL94V-0. Contact: Brass. Plating: Tin. Operating temperature: -40°C to +75°C. UL recognized, CSA certified.

VERTICAL HEADERS, SINGLE ROW, WITHOUT BOARDLOCKS, FIG. 1

| Mfg. Part No. | Circuits | Dimensions     |               | Stock No. | Price Each |     |
|---------------|----------|----------------|---------------|-----------|------------|-----|
|               |          | A              | B             |           | 1-9        | 1-9 |
| ● 43160-0102  | 2        | 0.830" (21.08) | 0.295" (7.49) | 56H9770   | 1.08       |     |

VERTICAL HEADERS, SINGLE ROW, WITH BOARDLOCKS, FIG. 1

|              |   |                |                |         |      |  |
|--------------|---|----------------|----------------|---------|------|--|
| ● 43160-2102 | 2 | 0.830" (21.08) | 0.295" (7.49)  | 90C0546 | 1.82 |  |
| ● 43160-2104 | 4 | 1.420" (36.07) | 0.885" (22.48) | 54H0262 | 3.24 |  |
| ● 43160-2106 | 6 | 2.010" (51.05) | 1.475" (37.47) | 28C0285 | ---  |  |

RIGHT-ANGLE HEADERS, SINGLE ROW, WITH BOARDLOCKS, FIG. 2

|              |   |                |                |         |      |  |
|--------------|---|----------------|----------------|---------|------|--|
| ● 43160-3102 | 2 | 0.830" (21.08) | 0.295" (7.49)  | 54H0264 | 2.12 |  |
| ● 43160-3103 | 3 | 1.125" (28.58) | 0.590" (14.99) | 54H0265 | 1.69 |  |

(75611)

0.295" (7.50) PITCH SABRE™ CONNECTOR HOUSINGS



Fig. 1

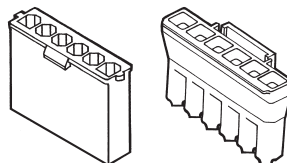


Fig. 2

- Patented new integral Terminal Position Assurance (TPA) on mated male and female terminal virtually eliminates terminal backout
- Polarized housing provides proper mating
- Terminals are fully isolated in housing
- Positive latch reduces accidental disengagement from receptacle
- 44441 Series mates with 43680 Series Plugs or 43160 Series headers

➔ CONTINUED ➔

0.295" (7.50) PITCH SABRE™ CONNECTOR HOUSINGS (CONT.)

SINGLE ROW PLUG HOUSINGS, FIG. 1

| Mfg. Part No. | Circuits | Stock No. | Price Each |     |
|---------------|----------|-----------|------------|-----|
|               |          |           | 1-9        | 1-9 |
| ● 43680-2002  | 2        | 57H0557   | 0.82       |     |
| ● 43680-2003  | 3        | 57H0558   | 0.43       |     |
| ● 43680-2004  | 4        | 57H0559   | 1.03       |     |
| ● 43680-2005  | 5        | 57H0560   | 0.96       |     |
| ● 43680-2006  | 6        | 57H0561   | 1.37       |     |

SINGLE ROW RECEPTACLE HOUSINGS, FIG. 2

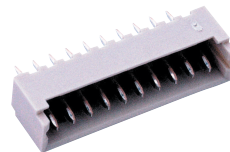
|              |   |         |      |  |
|--------------|---|---------|------|--|
| ● 44441-2002 | 2 | 85C2729 | 0.85 |  |
| ● 44441-2003 | 3 | 57H1295 | 1.13 |  |
| ● 44441-2004 | 4 | 06H1124 | 1.17 |  |
| ● 44441-2005 | 5 | 89C3102 | 0.52 |  |
| ● 44441-2006 | 6 | 57H1296 | 1.57 |  |

Voltage: 600V. Current: 18A. Insulation resistance: 1000 mOhms min. Housing: nylon, UL94V-0. Operating temperature: -40°C to +75°C. 44441 series for use with type 43375 terminal order separately on pages 786-787. 43680 series plug housings for use with type 43178 terminals order separately on pages 786-787. UL recognized, CSA certified. (75610)

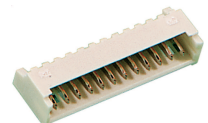
1.25mm (0.050") WIRE TO BOARD CONNECTORS



Wire-to-Board Receptacle



Vertical Header



Right Angle Header

- Current Rating: 1.0A AC/DC
- Voltage Rating: 125V AC/DC
- Contact Resistance: 20m ohm. max.
- Insulation Resistance: 100M ohm. min.

- Withstanding Voltage: 250V AC for one minute
- Operating Temperature Range: -40°C to +85°C
- Insulator: Nylon66 (UL94V-0)
- Contacts: Tin plated Phosphor Bronze

CRIMP CONTACTS

| Mfg. Part No. | AWG   | Stock No. | Price Each |       |
|---------------|-------|-----------|------------|-------|
|               |       |           | 1-249      | 1-249 |
| ● 1250TM      | 32-30 | 08N6700   | 0.03       |       |

FREE HANGING WIRE TO BOARD HOUSINGS

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |       |
|---------------|-----------------|-----------|------------|-------|
|               |                 |           | 1-249      | 1-249 |
| ● MC34603     | 2               | 02N0744   | 0.02       |       |
| ● MC34557     | 3               | 02N0745   | ---        |       |
| ● MC34729     | 4               | 02N0746   | ---        |       |
| ● MC34559     | 5               | 02N0747   | 0.09       |       |
| ● MC34351     | 6               | 02N0748   | 0.10       |       |
| ● MC34353     | 8               | 02N0750   | ---        |       |
| ● MC34731     | 10              | 02N0752   | ---        |       |

VERTICAL PCB SHROUDED HEADERS

|             |   |         |      |  |
|-------------|---|---------|------|--|
| ● 1251SM-02 | 2 | 02N0800 | 0.14 |  |
| ● MC34689   | 5 | 02N0803 | 0.27 |  |

RIGHT ANGLE PCB SHROUDED HEADERS

|             |    |         |      |  |
|-------------|----|---------|------|--|
| ● 1251RM-04 | 4  | 02N0774 | 0.17 |  |
| ● MC34349   | 6  | 02N0776 | 0.19 |  |
| ● MC34727   | 10 | 02N0780 | 0.59 |  |

(119555)

1.27mm (0.050") PITCH SINGLE ROW HEADERS



Specifications:

- Current Rating: 1.0A AC/DC
- Voltage Rating: 50V AC/DC
- Contact Resistance: 20m ohm. max.
- Insulation Resistance: 500M ohm. Min. At 100V DC.
- Withstanding Voltage: 500V AC for one minute
- Operating Temperature Range: -25°C to +125°C
- Insulator: PBT (UL94V-0)
- Contacts: Gold plated Copper Alloy

Applications:

- Home Appliances
- Aviation Electronics
- Automobile Electronics
- Computer(PC) Peripherals

VERTICAL THROUGH HOLE SINGLE ROW HEADERS

| Mfg. Part No.    | No. of Contacts | Stock No. | Price Each |       |
|------------------|-----------------|-----------|------------|-------|
|                  |                 |           | 1-249      | 1-249 |
| ● 2206PA-10G-739 | 10              | 11N6303   | 0.66       |       |
| ● 2206PA-20G-739 | 20              | 11N6304   | 0.64       |       |
| ● 2206PA-25G-739 | 25              | 11N6305   | 0.68       |       |

(119559)

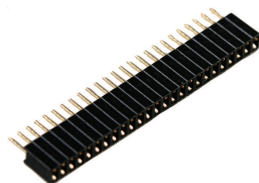


PC BOARD HEADERS & SOCKETS

1.27mm (0.050") PITCH SINGLE ROW RECEPTACLES



- Specifications:**
- Current Rating: 1.0A AC/DC
  - Voltage Rating: 50V AC/DC
  - Contact Resistance: 20m ohm. max.
  - Insulation Resistance: 500M ohm. Min. At 100V DC.
  - Withstanding Voltage: 500V AC for one minute
  - Operating Temperature Range: -25°C to +125°C
  - Insulator: PBT (UL94V-0)
  - Contacts: Gold plated Phosphor Bronze



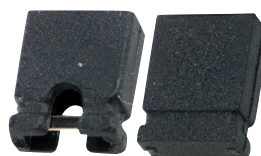
- Applications:**
- Home Appliances
  - Aviation Electronics
  - Automobile Electronics
  - Computer(PC) Peripherals

| Mfg. Part No.  | No. of Contacts | Stock No. | Price Each |
|----------------|-----------------|-----------|------------|
|                |                 |           | 1-249      |
| ● 2206SA-05-46 | 5               | 11N6310   | 0.15       |
| ● 2206SA-10-46 | 10              | 11N6311   | 0.63       |
| ● 2206SA-20-46 | 20              | 11N6312   | 1.25       |
| ● 2206SA-25-46 | 25              | 11N6313   | 1.20       |

(119560)

SHUNT JUMPERS

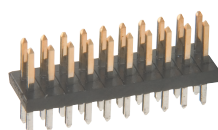
Allows quick connection of circuits on circuit boards, shorting socket jumper for address or code strip line plugs. Sold in packages of 25.



| Mfg. Part No. | Pitch Spacing (mm) | Style       | Stock No. | Price per Pkg. |
|---------------|--------------------|-------------|-----------|----------------|
|               |                    |             |           | 1-9            |
| ● SPC19809    | 2.54               | Open        | 84K8571   | 2.77           |
| ● SPC19808    | 2.54               | Closed      | 84K8570   | 2.17           |
| ● SPC19807    | 2.54               | Open        | 84K8569   | 2.17           |
| ● SPC19806    | 2.54               | Closed      | 84K8568   | 3.36           |
| ● SPC19810    | 2.54               | Open        | 84K8572   | 3.36           |
| ● SPC20479*   | 2.54               | With Handle | 93K5732   | 0.22           |
| ● SPC20480*   | 2.00               | Open        | 93K5733   | 0.36           |

\*Sold individually (7862)

1.27mm (0.050") PITCH DOUBLE ROW HEADERS



Vertical Header



Right Angle Header

- Specifications:**
- Current Rating: 1.0A AC/DC
  - Voltage Rating: 50V AC/DC
  - Contact Resistance: 20m ohm. max.
  - Insulation Resistance: 1000M ohm. min.
  - Withstanding Voltage: 500V AC for one minute
  - Operating Temperature Range: -25°C to +105°C
  - Insulator: High Temp Plastic (Nylon 6T UL94V-0)
  - Contacts: Gold plated Copper Alloy

- Applications:**
- Home Appliances
  - Aviation Electronics
  - Automobile Electronics
  - Computer(PC) Peripherals

VERTICAL THROUGH HOLE DOUBLE ROW HEADERS

| Mfg. Part No.       | No. of Contacts | Stock No. | Price Each |
|---------------------|-----------------|-----------|------------|
|                     |                 |           | 1-249      |
| ● 2199SB-10G-301523 | 10              | 11N6294   | 0.63       |
| ● 2199SB-20G-301523 | 20              | 11N6295   | 0.59       |
| ● 2199SB-40G-301523 | 40              | 11N6296   | 1.12       |
| ● 2199SB-50G-301523 | 50              | 11N6297   | 2.11       |

RIGHT ANGLE THROUGH HOLE DOUBLE ROW HEADERS

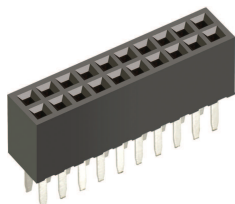
| Mfg. Part No.       | No. of Contacts | Stock No. | Price Each |
|---------------------|-----------------|-----------|------------|
|                     |                 |           | 1-249      |
| ● 2199R5-20G-301523 | 20              | 11N6291   | 0.64       |
| ● 2199R5-40G-301523 | 40              | 11N6292   | 1.24       |

(119557)

1.27mm (0.050") PITCH DOUBLE ROW VERTICAL RECEPTACLES



- Specifications:**
- Current Rating: 1.0A AC/DC
  - Voltage Rating: 50V AC/DC
  - Contact Resistance: 20m ohm. max.
  - Insulation Resistance: 1000M ohm. min.
  - Withstanding Voltage: 500V AC for one minute
  - Operating Temperature Range: -25°C to +105°C
  - Insulator: High Temp Plastic (LCP UL94V-0)
  - Contacts: Gold plated Phosphor Bronze



- Applications:**
- Home Appliances
  - Aviation Electronics
  - Automobile Electronics
  - Computer(PC) Peripherals

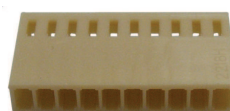
| Mfg. Part No.   | No. of Contacts | Stock No. | Price Each |
|-----------------|-----------------|-----------|------------|
|                 |                 |           | 1-249      |
| ● 2200SB-10G-A1 | 10              | 11N6298   | 0.30       |
| ● 2200SB-20G-A1 | 20              | 11N6299   | 0.64       |
| ● 2200SB-50G-A1 | 50              | 11N6301   | 1.37       |

(119558)

2.50mm (0.098") PITCH WIRE-TO-BOARD CONNECTORS



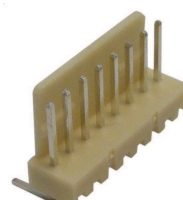
NEW



Crimp Housing



Vertical Header



Right Angle Header

- Insulator: Nylon 66, UL94V-0
- Crimp Contacts: Tin plated phosphor bronze
- Header Contacts: Tin plated brass
- Current Rating: 3.0A AC/DC
- Voltage Rating: 250V AC/DC
- Contact Resistance: 20m ohm. max.
- Insulation Resistance: 1000M ohm. min.
- Withstanding Voltage: 1000 VAC for one minute
- Operating Temperature Range: -40°C to +85°C



Crimp Contact

2218TB CRIMP CONTACTS

| Mfg. Part No. | AWG   | Stock No. | Price Each |         |
|---------------|-------|-----------|------------|---------|
|               |       |           | 1-249      | 250-499 |
| ● 2318TB      | 28-22 | 87P0360   | 0.03       | 0.03    |

2218HB SERIES CRIMP TERMINAL HOUSINGS

| Mfg. Part No. | Circuits | Stock No. | Price Each |         |
|---------------|----------|-----------|------------|---------|
|               |          |           | 1-249      | 250-499 |
| ● MC34469     | 2        | 87P0352   | 0.50       | 0.45    |
| ● MC34471     | 3        | 87P0353   | 0.02       | 0.02    |
| ● MC34473     | 4        | 87P0354   | 0.02       | 0.02    |
| ● MC34531     | 5        | 87P0355   | 0.03       | 0.03    |
| ● MC34475     | 6        | 87P0356   | 0.03       | 0.03    |
| ● MC34477     | 8        | 87P0357   | 0.04       | 0.04    |
| ● MC34479     | 10       | 87P0358   | 0.05       | 0.05    |
| ● MC34533     | 12       | 87P0359   | 0.11       | 0.10    |

2217SB SERIES VERTICAL HEADERS

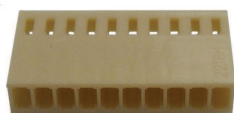
|           |    |         |      |      |
|-----------|----|---------|------|------|
| ● MC34605 | 2  | 87P0344 | 0.02 | 0.02 |
| ● MC34607 | 3  | 87P0345 | 0.06 | 0.05 |
| ● MC34609 | 4  | 87P0346 | 0.04 | 0.04 |
| ● MC34383 | 5  | 87P0347 | 0.05 | 0.05 |
| ● MC34611 | 6  | 87P0348 | 0.11 | 0.10 |
| ● MC34613 | 8  | 87P0349 | 0.08 | 0.08 |
| ● MC34615 | 10 | 87P0350 | ---  | ---  |

2217RB SERIES RIGHT ANGLE HEADERS

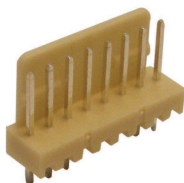
|           |    |         |      |      |
|-----------|----|---------|------|------|
| ● MC34617 | 2  | 87P0336 | ---  | ---  |
| ● MC34619 | 3  | 87P0337 | 0.03 | 0.03 |
| ● MC34621 | 4  | 87P0338 | 0.04 | 0.04 |
| ● MC34683 | 5  | 87P0339 | ---  | ---  |
| ● MC34623 | 6  | 87P0340 | 0.14 | 0.12 |
| ● MC34625 | 8  | 87P0341 | 0.08 | 0.08 |
| ● MC34627 | 10 | 87P0342 | ---  | ---  |
| ● MC34685 | 12 | 87P0343 | 0.13 | 0.13 |

(147246)

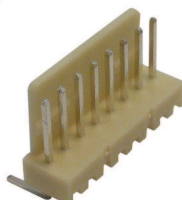
**2.54mm (0.100") PITCH WIRE-TO-BOARD CONNECTORS**



Crimp Housing



Vertical Header



Right Angle Header



Crimp Contact

- Insulator: Nylon 66, UL94V-0
- Crimp Contacts: Tin plated copper alloy
- Header Contacts: Tin plated brass
- Current Rating: 3.0A AC/DC
- Voltage Rating: 250V AC/DC
- Contact Resistance: 20m ohm. max.
- Insulation Resistance: 1000M ohm. min.
- Withstanding Voltage: 1000 VAC for one minute
- Operating Temperature Range: -25°C to +105°C

**2218T CRIMP CONTACTS**

| Mfg. Part No. | AWG   | Stock No. | Price Each |         |
|---------------|-------|-----------|------------|---------|
|               |       |           | 1-249      | 250-499 |
| ● 2218T       | 26-22 | 46P5397   | 0.02       | 0.02    |

**2218H SERIES CRIMP TERMINAL HOUSINGS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |         |
|---------------|----------|-----------|------------|---------|
|               |          |           | 1-249      | 250-499 |
| ● MC34481     | 2        | 46P5341   | 0.03       | 0.03    |
| ● MC34483     | 3        | 46P5342   | 0.05       | 0.04    |
| ● MC34485     | 4        | 46P5343   | 0.06       | 0.05    |
| ● MC34503     | 5        | 46P5344   | 0.07       | 0.07    |
| ● MC34487     | 6        | 46P5345   | 0.09       | 0.08    |
| ● MC34489     | 8        | 46P5346   | 0.11       | 0.10    |
| ● MC34491     | 10       | 46P5347   | 0.14       | 0.13    |
| ● MC34529     | 12       | 46P5348   | 0.17       | 0.16    |

**2217S SERIES VERTICAL HEADERS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |         |
|---------------|----------|-----------|------------|---------|
|               |          |           | 1-249      | 250-499 |
| ● MC34629     | 2        | 46P5349   | 0.04       | 0.03    |
| ● MC34631     | 3        | 46P5350   | 0.05       | 0.05    |
| ● MC34633     | 4        | 46P5351   | 0.07       | 0.06    |
| ● MC34655     | 5        | 46P5352   | 0.08       | 0.08    |
| ● MC34635     | 6        | 46P5353   | 0.10       | 0.09    |
| ● MC34637     | 8        | 46P5354   | 0.13       | 0.12    |
| ● MC34639     | 10       | 46P5355   | 0.16       | 0.15    |
| ● MC34679     | 12       | 46P5356   | 0.19       | 0.17    |

**2217R SERIES RIGHT ANGLE HEADERS**

| Mfg. Part No. | Circuits | Stock No. | Price Each |         |
|---------------|----------|-----------|------------|---------|
|               |          |           | 1-249      | 250-499 |
| ● MC34641     | 2        | 46P5357   | 0.02       | 0.02    |
| ● MC34643     | 3        | 46P5358   | 0.07       | 0.06    |
| ● MC34645     | 4        | 46P5359   | 0.09       | 0.08    |
| ● MC34647     | 5        | 46P5360   | 0.11       | 0.10    |
| ● MC34649     | 6        | 46P5361   | 0.13       | 0.12    |
| ● MC34651     | 8        | 46P5362   | ---        | ---     |
| ● MC34653     | 10       | 46P5363   | 0.22       | 0.20    |
| ● MC34681     | 12       | 46P5364   | 0.27       | 0.24    |

(140934)

**2.54mm (0.100") PITCH SINGLE ROW HEADERS**



**Specifications:**

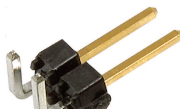
- Current Rating: 3.0A AC/DC
- Voltage Rating: 250V AC/DC
- Contact Resistance: 20m ohm. max.
- Insulation Resistance: 1000M ohm. min.
- Withstanding Voltage: 600V AC for one minute
- Operating Temperature Range: -40°C to +105°C
- Insulator: High Temp Plastic (Nylon 6T UL94V-0)
- Contacts: Gold plated Copper Alloy

**Applications:**

- Home Appliances
- Aviation Electronics
- Automobile Electronics
- Computer(PC) Peripherals



Vertical Header



Right Angle Header

**VERTICAL THROUGH HOLE SINGLE ROW HEADERS**

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |
|---------------|-----------------|-----------|------------|
|               |                 |           | 1-249      |
| ● 2211S-02G   | 2               | 08N6744   | 0.03       |
| ● 2211S-03G   | 3               | 08N6745   | 0.04       |
| ● 2211S-04G   | 4               | 08N6746   | 0.05       |
| ● 2211S-05G   | 5               | 08N6747   | 0.06       |

➔ CONTINUED ➔

**2.54mm (0.100") PITCH SINGLE ROW HEADERS (CONT.)**

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |
|---------------|-----------------|-----------|------------|
|               |                 |           | 1-249      |
| ● 2211S-06G   | 6               | 08N6748   | 0.07       |
| ● 2211S-08G   | 8               | 08N6749   | 0.09       |
| ● 2211S-10G   | 10              | 08N6750   | 0.11       |
| ● MC34733     | 12              | 08N6751   | 0.13       |
| ● MC34735     | 14              | 08N6752   | 0.15       |
| ● MC34737     | 18              | 08N6753   | 0.19       |
| ● MC34739     | 20              | 08N6754   | 0.21       |
| ● MC34743     | 24              | 08N6756   | 0.25       |

**RIGHT ANGLE THROUGH HOLE SINGLE ROW HEADERS**

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |
|---------------|-----------------|-----------|------------|
|               |                 |           | 1-249      |
| ● MC34745     | 2               | 08N6731   | 0.04       |
| ● MC34747     | 3               | 08N6732   | 0.06       |
| ● MC34749     | 4               | 08N6733   | 0.04       |
| ● 2211R-05G   | 5               | 08N6734   | 0.09       |
| ● MC34751     | 6               | 08N6735   | 0.11       |
| ● MC34753     | 8               | 08N6736   | 0.14       |
| ● MC34755     | 10              | 08N6737   | 0.17       |
| ● MC34757     | 12              | 08N6738   | 0.21       |
| ● MC34759     | 14              | 08N6739   | 0.25       |
| ● MC34761     | 18              | 08N6740   | 0.32       |
| ● MC34763     | 20              | 08N6741   | 0.34       |
| ● MC34765     | 24              | 08N6743   | 0.41       |

(119561)

**2.54mm (0.100") PITCH DOUBLE ROW HEADERS**



**Specifications:**

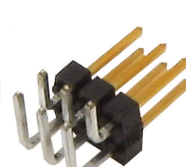
- Current Rating: 3.0A AC/DC
- Voltage Rating: 250V AC/DC
- Contact Resistance: 20m ohm. max.
- Insulation Resistance: 1000M ohm. min.
- Withstanding Voltage: 600V AC for one minute
- Operating Temperature Range: -40°C to +105°C
- Insulator: High Temp Plastic (Nylon 6T UL94V-0)
- Contacts: Gold plated Copper Alloy

**Applications:**

- Home Appliances
- Aviation Electronics
- Automobile Electronics
- Computer(PC) Peripherals



Vertical Header



Right Angle Header

**VERTICAL THROUGH HOLE DOUBLE ROW HEADERS**

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |
|---------------|-----------------|-----------|------------|
|               |                 |           | 1-249      |
| ● 2213S-06G   | 6               | 08N6789   | 0.07       |
| ● 2213S-08G   | 8               | 08N6790   | 0.09       |
| ● 2213S-10G   | 10              | 08N6791   | 0.11       |
| ● 2213S-12G   | 12              | 08N6792   | 0.13       |
| ● 2213S-16G   | 16              | 08N6793   | 0.18       |
| ● 2213S-20G   | 20              | 08N6794   | 0.21       |
| ● 2213S-22G   | 22              | 08N6795   | 0.24       |
| ● 2213S-24G   | 24              | 08N6796   | 0.25       |

**RIGHT ANGLE THROUGH HOLE DOUBLE ROW HEADERS**

| Mfg. Part No. | No. of Contacts | Stock No. | Price Each |
|---------------|-----------------|-----------|------------|
|               |                 |           | 1-249      |
| ● 2213R-06G   | 6               | 08N6781   | 0.13       |
| ● MC34767     | 8               | 08N6782   | 0.08       |
| ● MC34769     | 10              | 08N6783   | 0.20       |
| ● MC34771     | 12              | 08N6784   | 0.13       |
| ● MC34773     | 16              | 08N6785   | 0.17       |
| ● MC34775     | 20              | 08N6786   | 0.41       |
| ● 2213R-24G   | 24              | 08N6788   | 0.48       |

(119562)

**2.54mm (0.100") PITCH SINGLE AND DOUBLE ROW RECEPTACLES**



**Specifications:**

- Current Rating: 3.0A AC/DC
- Voltage Rating: 250V AC/DC
- Contact Resistance: 20m ohm. max.
- Insulation Resistance: 1000M ohm. min.
- Withstanding Voltage: 600V AC for one minute
- Operating Temperature Range: -40°C to +105°C
- Insulator: PBT (UL94V-0)
- Contacts: Gold plated Phosphor Bronze

**Applications:**

- Home Appliances
- Aviation Electronics
- Automobile Electronics
- Computer(PC) Peripherals



Single Row Receptacle



Double Row Receptacle

➔ CONTINUED ➔

## PC BOARD HEADERS & SOCKETS

### 2.54mm (0.100") PITCH SINGLE AND DOUBLE ROW RECEPTACLES (CONT.)

#### VERTICAL THROUGH HOLE SINGLE ROW RECEPTACLES

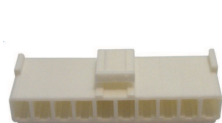
| Mfg. Part No.   | No. of Contacts | Stock No. | Price Each |         |
|-----------------|-----------------|-----------|------------|---------|
|                 |                 |           | 1-249      | 250-499 |
| ● 2212S-02SG-85 | 2               | 08N6768   | 0.13       |         |
| ● 2212S-03SG-85 | 3               | 08N6769   | 0.19       |         |
| ● 2212S-04SG-85 | 4               | 08N6770   | 0.21       |         |
| ● 2212S-05SG-85 | 5               | 08N6771   | 0.26       |         |
| ● 2212S-06SG-85 | 6               | 08N6772   | 0.25       |         |
| ● 2212S-08SG-85 | 8               | 08N6773   | 0.35       |         |
| ● 2212S-10SG-85 | 10              | 08N6774   | 0.41       |         |
| ● 2212S-12SG-85 | 12              | 08N6775   | 0.45       |         |
| ● 2212S-14SG-85 | 14              | 08N6776   | 0.52       |         |
| ● 2212S-20SG-85 | 20              | 08N6778   | 0.74       |         |
| ● 2212S-24SG-85 | 24              | 08N6780   | 0.93       |         |

#### RIGHT ANGLE THROUGH HOLE DOUBLE ROW RECEPTACLES

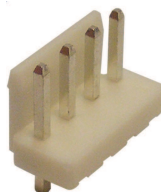
|                 |    |         |      |  |
|-----------------|----|---------|------|--|
| ● 2214S-06SG-85 | 6  | 08N6805 | 0.37 |  |
| ● 2214S-08SG-85 | 8  | 08N6806 | 0.41 |  |
| ● 2214S-10SG-85 | 10 | 08N6807 | 0.23 |  |
| ● 2214S-12SG-85 | 12 | 08N6808 | 0.49 |  |
| ● 2214S-16SG-85 | 16 | 08N6809 | 0.65 |  |

(119563)

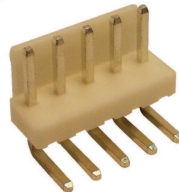
### 3.96mm (0.156") PITCH WIRE-TO-BOARD CONNECTORS



Crimping Housing



Vertical Header



Right Angle Header



Crimp Contact

- Insulator: High temp plastic, UL94V-0
- Crimp Contacts: Tin plated phosphor bronze
- Header Contacts: Tin plated copper alloy
- Current Rating: 7.0A AC/DC
- Voltage Rating: 250V AC/DC
- Contact Resistance: 10m ohm. max.
- Insulation Resistance: 1000M ohm. min.
- Withstanding Voltage: 1500 VAC for one minute
- Operating Temperature Range: -40°C to +105°C

#### 2114T CRIMP CONTACTS

| Mfg. Part No. | AWG   | Stock No. | Price Each |         |
|---------------|-------|-----------|------------|---------|
|               |       |           | 1-249      | 250-499 |
| ● 2114T       | 22-18 | 46P5398   | 0.09       | 0.08    |

#### 2114H SERIES CRIMP TERMINAL HOUSINGS

| Mfg. Part No. | Circuits | Stock No. | Price Each |         |
|---------------|----------|-----------|------------|---------|
|               |          |           | 1-249      | 250-499 |
| ● MC34493     | 2        | 46P5369   | 0.02       | 0.02    |
| ● MC34495     | 3        | 46P5370   | 0.05       | 0.05    |
| ● MC34497     | 4        | 46P5371   | 0.07       | 0.07    |
| ● MC34535     | 5        | 46P5372   | 0.04       | 0.04    |
| ● MC34499     | 6        | 46P5373   | 0.05       | 0.05    |
| ● MC34501     | 8        | 46P5374   | 0.07       | 0.07    |
| ● 2114H-10    | 10       | 46P5375   | ---        | ---     |
| ● MC34537     | 12       | 46P5376   | ---        | ---     |

#### 2114S SERIES VERTICAL HEADERS

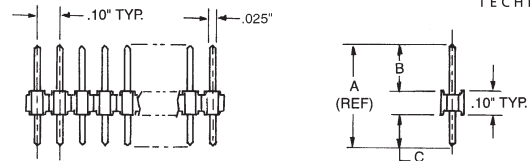
|            |    |         |      |      |
|------------|----|---------|------|------|
| ● MC34411  | 2  | 46P5377 | 0.09 | 0.08 |
| ● MC34387  | 3  | 46P5378 | ---  | ---  |
| ● MC34389  | 4  | 46P5379 | ---  | ---  |
| ● MC34393  | 6  | 46P5381 | ---  | ---  |
| ● MC34395  | 8  | 46P5382 | ---  | ---  |
| ● 2114S-12 | 12 | 46P5384 | ---  | ---  |

#### 2114R SERIES RIGHT ANGLE HEADERS

|            |    |         |      |      |
|------------|----|---------|------|------|
| ● 2114R-02 | 2  | 46P5385 | ---  | ---  |
| ● MC34399  | 3  | 46P5386 | 0.08 | 0.08 |
| ● MC34401  | 4  | 46P5387 | ---  | ---  |
| ● MC34403  | 5  | 46P5388 | ---  | ---  |
| ● MC34407  | 8  | 46P5390 | 0.19 | 0.19 |
| ● MC34409  | 10 | 46P5391 | 0.23 | 0.22 |
| ● 2114R-12 | 12 | 46P5392 | 0.28 | 0.28 |

(141500)

### SINGLE-ROW STRAIGHT PC BOARD HEADERS



0.100" (2.54) PC Board Header

Plating: 1 = Tin over nickel; 2 = Gold on mating end, tin over nickel on solder end. 3 = Gold Plating on Mating End, Full Flash Gold on Solder End. Operating temperature: -25°C to +85°C. (\*) Sold in packages of 5.

#### 0.100" (2.54) PC BOARD HEADERS

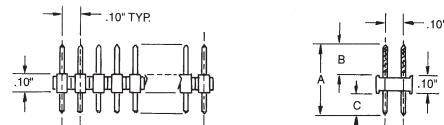
| Mfg. Part No. | Positions | Plating | Dimensions |        |        | Stock No. | Price Each |       |
|---------------|-----------|---------|------------|--------|--------|-----------|------------|-------|
|               |           |         | A          | B      | C      |           | 1-24       | 25-49 |
| ● SPC20485    | 2         | 1       | 0.455"     | 0.235" | 0.120" | 93K5738   | 0.09       | 0.08  |
| ● SPC20486    | 3         | 1       | 0.455"     | 0.235" | 0.120" | 93K5739   | 0.13       | 0.11  |
| ● SPC20487    | 4         | 1       | 0.455"     | 0.235" | 0.120" | 93K5740   | 0.10       | 0.10  |
| ● SPC20488    | 5         | 1       | 0.455"     | 0.235" | 0.120" | 93K5741   | 0.21       | 0.18  |
| ● SPC20489    | 10        | 1       | 0.455"     | 0.235" | 0.120" | 93K5742   | 0.41       | 0.35  |
| ● SPC20490    | 40        | 1       | 0.455"     | 0.235" | 0.120" | 93K5743   | 1.63       | 1.40  |
| ● SPC20481    | 2         | 3       | 0.455"     | 0.235" | 0.120" | 93K5734   | 0.09       | 0.08  |
| ● SPC20483    | 3         | 3       | 0.455"     | 0.235" | 0.120" | 93K5736   | 0.11       | 0.11  |
| ● SPC20482    | 4         | 3       | 0.455"     | 0.235" | 0.120" | 93K5735   | 0.13       | 0.11  |
| ● SPC20484*   | 40        | 3       | 0.455"     | 0.235" | 0.120" | 93K5737   | 1.63       | 1.40  |

#### 0.079" (2.01) PC BOARD HEADERS

|             |    |   |        |        |        |         |      |      |
|-------------|----|---|--------|--------|--------|---------|------|------|
| ● SPC20491* | 40 | 3 | 0.320" | 0.140" | 0.120" | 93K5744 | 2.36 | 2.02 |
|-------------|----|---|--------|--------|--------|---------|------|------|

(4627)

### DOUBLE-ROW STRAIGHT PC BOARD HEADERS



0.100" (2.54) PC Board Header

0.100" (2.54) PC board headers. Plating: 1 = Tin over nickel; 2 = Gold on mating end, tin over nickel on solder end. 3 = Gold Plating on Mating End, Full Flash Gold on Solder End. Operating temperature: -25°C to +85°C.

| Mfg. Part No. | Positions | Plating | Dimensions |        |        | Stock No. | Price Each |       |
|---------------|-----------|---------|------------|--------|--------|-----------|------------|-------|
|               |           |         | A          | B      | C      |           | 1-24       | 25-49 |
| ● SPC20498    | 2         | 1       | 0.455"     | 0.235" | 0.120" | 93K5751   | 0.11       | 0.10  |
| ● SPC20499    | 4         | 1       | 0.455"     | 0.235" | 0.120" | 93K5752   | 0.11       | 0.10  |
| ● SPC20500    | 6         | 1       | 0.455"     | 0.235" | 0.120" | 93K5753   | 0.33       | 0.28  |
| ● SPC20501    | 8         | 1       | 0.455"     | 0.235" | 0.120" | 93K5754   | 0.23       | 0.22  |
| ● SPC20502    | 10        | 1       | 0.455"     | 0.235" | 0.120" | 93K5755   | 0.54       | 0.46  |
| ● SPC20503    | 20        | 1       | 0.455"     | 0.235" | 0.120" | 93K5756   | 0.57       | 0.55  |
| ● SPC20504    | 40        | 1       | 0.455"     | 0.235" | 0.120" | 93K5757   | 1.61       | 1.38  |
| ● SPC20493    | 6         | 3       | 0.455"     | 0.235" | 0.120" | 93K5746   | 0.33       | 0.28  |
| ● SPC20494    | 8         | 3       | 0.455"     | 0.235" | 0.120" | 93K5747   | 0.23       | 0.22  |
| ● SPC20495    | 10        | 3       | 0.455"     | 0.235" | 0.120" | 93K5748   | 0.54       | 0.46  |
| ● SPC20496    | 20        | 3       | 0.455"     | 0.235" | 0.120" | 93K5749   | 0.52       | 0.50  |
| ● SPC20497    | 40        | 3       | 0.455"     | 0.235" | 0.120" | 93K5750   | 2.15       | 1.83  |

(4628)

### WIRELESS MODULE PCB MOUNTING CLIPS

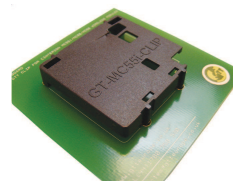


Fig. 1

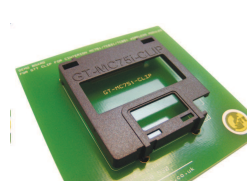


Fig. 2

- Designed for Cinterion wireless module
- PCB mating board thickness: 1.6mm

- Constructed of black PC-940A
- Operating temperature: -40°C to +100°C

| Mfg. Part No.     | Fig. | Dimensions (mm)<br>H x W x D | Stacking<br>Height (mm) | Stock No. | Price Each |         |         |         |
|-------------------|------|------------------------------|-------------------------|-----------|------------|---------|---------|---------|
|                   |      |                              |                         |           | 1-99       | 100-249 | 250-499 | 500-999 |
| ● GT-MC551-CLIP-F | 1    | 7.2 x 38.0 x 35.8            | 5.0                     | 04R7574   | 2.43       | 2.19    | 1.99    | 1.84    |
| ● GT-MC751-CLIP-F | 2    | 6.7 x 37.2 x 38.6            | 4.0                     | 04R7575   | 2.32       | 2.08    | 1.89    | 1.75    |

(147920)



**0.80mm (0.032") CLE SERIES PC BOARD RECEPTACLES**

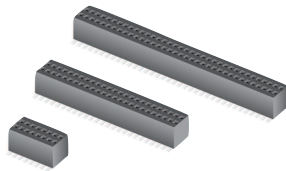


**Features:**

- Tiger beam contact
- Ideal for pass-through applications
- Surface mount
- Mates with: **FTE** and **AW** series

**Specifications:**

- Current Rating: 0.75 A
- Pitch Spacing: 0.80 mm
- Insulator Material: Black liquid crystal polymer
- Contact: Gold plated Beryllium Copper
- Temperature Range: -55°C to +125°C
- Contact Resistance: 15mΩ max
- Insertion Force: 2.0oz (0.56N)



- Withdrawal Force: 1.2oz (0.33N)
- Max Cycles: 100 with 10µ" Gold

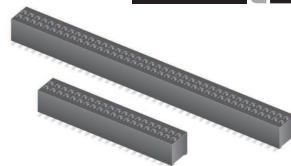
| Mfg. Part No.     | Positions | Stock No. | Price Each |       |
|-------------------|-----------|-----------|------------|-------|
|                   |           |           | 1-9        | 10-99 |
| ● CLE-105-01-G-DV | 10        | 11P3688   | 2.77       | 2.41  |
| ● CLE-106-01-G-DV | 12        | 11P3689   | 3.06       | 2.67  |
| ● CLE-108-01-G-DV | 16        | 11P3691   | 3.05       | 2.67  |
| ● CLE-110-01-G-DV | 20        | 11P3693   | 2.77       | 2.52  |
| ● CLE-112-01-G-DV | 24        | 11P3695   | 4.36       | 3.81  |
| ● CLE-115-01-G-DV | 30        | 11P3698   | 3.72       | 3.38  |
| ● CLE-120-01-G-DV | 40        | 11P3703   | ---        | ---   |
| ● CLE-125-01-G-DV | 50        | 11P3708   | 5.63       | 4.98  |
| ● CLE-130-01-G-DV | 60        | 11P3713   | 6.74       | 5.96  |
| ● CLE-135-01-G-DV | 70        | 11P3718   | ---        | ---   |
| ● CLE-140-01-G-DV | 80        | 11P3723   | 7.73       | 8.78  |
| ● CLE-145-01-G-DV | 90        | 11P3727   | 10.47      | 9.87  |
| ● CLE-150-01-G-DV | 100       | 18M6961   | 11.64      | 10.98 |

(136026)

**1.00mm (0.039") MLE SERIES PC BOARD RECEPTACLES**



- Contact Termination: Surface mount
- Insulator Material: Black liquid crystal polymer
- Temperature Range: -55° to +125°C
- Contact: Gold plated Beryllium copper
- Mates with: **FTM**, **FTMH**, **MW** series



**MLE SERIES RECEPTACLES - SURFACE MOUNT VERTICAL**

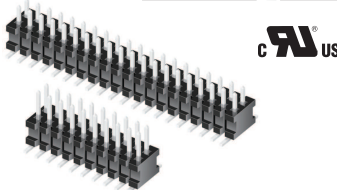
| Mfg. Part No.     | Positions | Stock No. | Price Each |       |
|-------------------|-----------|-----------|------------|-------|
|                   |           |           | 1-9        | 10-99 |
| ● MLE-105-01-G-DV | 10        | 11P5216   | ---        | ---   |
| ● MLE-110-01-G-DV | 20        | 11P5221   | 2.65       | 2.41  |
| ● MLE-120-01-G-DV | 40        | 11P5231   | 5.65       | 5.04  |
| ● MLE-130-01-G-DV | 60        | 11P5241   | ---        | ---   |
| ● MLE-140-01-G-DV | 80        | 11P5249   | 8.86       | 8.35  |
| ● MLE-150-01-G-DV | 100       | 11P5253   | 11.06      | 10.43 |

(136030)

**1.27mm (0.050") FTSH SERIES MICRO HEADERS**



Headers feature black liquid crystal polymer housing with phosphor bronze contacts. Plating: tin or gold over 1.27um (50µ") nickel. Current rating: 1.75A @ 80°C ambient. Operating temperature range: -55°C to +125°C. **-L** suffix indicates 0.25um (10µ") gold on post, matte tin on tail. **-01** suffix indicates 3.05mm (0.12") lead posts. Mates with: **FFSD**, **FLE** series.



**FTSH SERIES MICRO HEADERS - SURFACE MOUNT VERTICAL**

| Mfg. Part No.      | Positions | Stock No. | Price Each |       |
|--------------------|-----------|-----------|------------|-------|
|                    |           |           | 1-9        | 10-99 |
| ● FTSH-105-01-L-DV | 10        | 11P4814   | 2.04       | 1.78  |
| ● FTSH-110-01-L-DV | 20        | 11P4829   | 3.49       | 3.05  |
| ● FTSH-115-01-L-DV | 30        | 11P4844   | 5.01       | 4.38  |
| ● FTSH-120-01-L-DV | 40        | 11P4858   | 5.88       | 5.15  |
| ● FTSH-125-01-L-DV | 50        | 11P4871   | 4.99       | 4.40  |
| ● FTSH-130-01-L-DV | 60        | 11P4886   | 6.58       | 5.87  |
| ● FTSH-135-01-L-DV | 70        | 11P4897   | ---        | ---   |
| ● FTSH-140-01-L-DV | 80        | 11P4908   | 8.77       | 7.82  |
| ● FTSH-145-01-L-DV | 90        | 11P4917   | 9.86       | 8.80  |
| ● FTSH-150-01-L-DV | 100       | 11P4926   | 9.86       | 8.80  |

➔ CONTINUED ➔

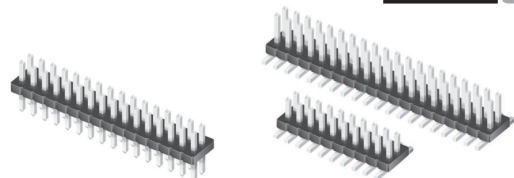
**1.27mm (0.050") FTSH SERIES MICRO HEADERS (CONT.)**

**FTSH SERIES MICRO HEADERS - SURFACE MOUNT HORIZONTAL**

| Mfg. Part No.      | Positions | Stock No. | Price Each |       |
|--------------------|-----------|-----------|------------|-------|
|                    |           |           | 1-9        | 10-99 |
| ● FTSH-105-01-L-DH | 10        | 11P4813   | 2.41       | 2.10  |
| ● FTSH-110-01-L-DH | 20        | 11P4828   | 3.44       | 3.15  |
| ● FTSH-115-01-L-DH | 30        | 11P4843   | 5.93       | 5.19  |
| ● FTSH-120-01-L-DH | 40        | 11P4857   | 5.69       | 5.08  |
| ● FTSH-125-01-L-DH | 50        | 11P4870   | 6.92       | 6.17  |
| ● FTSH-130-01-L-DH | 60        | 11P4885   | 7.76       | 6.93  |
| ● FTSH-135-01-L-DH | 70        | 11P4896   | 9.06       | 8.08  |
| ● FTSH-140-01-L-DH | 80        | 11P4907   | 10.35      | 9.24  |
| ● FTSH-145-01-L-DH | 90        | 11P4916   | 9.15       | 8.62  |
| ● FTSH-150-01-L-DH | 100       | 11P4925   | 9.15       | 8.62  |

(136025)

**1.27mm (0.050") FTS SERIES BOARD-TO-BOARD HEADERS**



Through Hole

Surface Mount

**Specifications:**

- Insulator: Black liquid crystal polymer
- Contact: Gold plated Phosphor Bronze
- Current Rating: 1.75 A @ 80 °C ambient
- Operating Temperature Range: -55 °C to +125 °C
- -01 = .120 (3,05) Post (Mates with **FFSD** series)
- -03 = .065 (1,65) Post (Mates with **CLP** series)

**FTS SERIES BOARD-TO-BOARD - THROUGH HOLE VERTICAL**

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● FTS-105-01-L-D | 10        | 11P4652   | 1.86       | 1.62  |
| ● FTS-110-01-L-D | 20        | 11P4671   | 3.16       | 2.76  |
| ● FTS-120-01-L-D | 40        | 11P4709   | 5.36       | 4.69  |
| ● FTS-125-01-L-D | 50        | 11P4728   | ---        | ---   |
| ● FTS-105-03-L-D | 10        | 11P4654   | 1.30       | 1.21  |
| ● FTS-110-03-L-D | 20        | 11P4672   | 3.16       | 2.76  |
| ● FTS-115-03-L-D | 30        | 11P4692   | 3.12       | 2.84  |
| ● FTS-120-03-L-D | 40        | 11P4711   | ---        | ---   |
| ● FTS-125-03-L-D | 50        | 11P4730   | 4.97       | 4.53  |
| ● FTS-130-03-L-D | 60        | 11P4749   | 5.98       | 5.34  |
| ● FTS-135-03-L-D | 70        | 11P4766   | 6.96       | 6.21  |
| ● FTS-140-03-L-D | 80        | 11P4780   | 7.97       | 7.11  |
| ● FTS-150-03-L-D | 100       | 11P4805   | 8.97       | 8.00  |

**FTS SERIES BOARD-TO-BOARD - SURFACE MOUNT VERTICAL**

|                   |     |         |      |      |
|-------------------|-----|---------|------|------|
| ● FTS-105-01-L-DV | 10  | 11P4653 | 2.04 | 1.78 |
| ● FTS-110-01-L-DV | 20  | 29K8097 | 3.49 | 3.05 |
| ● FTS-120-01-L-DV | 40  | 11P4710 | 5.88 | 5.15 |
| ● FTS-125-01-L-DV | 50  | 11P4729 | 5.87 | 5.24 |
| ● FTS-105-03-L-DV | 10  | 11P4655 | 2.04 | 1.78 |
| ● FTS-110-03-L-DV | 20  | 11P4673 | ---  | ---  |
| ● FTS-115-03-L-DV | 30  | 11P4693 | 5.01 | 4.38 |
| ● FTS-120-03-L-DV | 40  | 11P4712 | ---  | ---  |
| ● FTS-125-03-L-DV | 50  | 11P4731 | 4.99 | 4.40 |
| ● FTS-130-03-L-DV | 60  | 11P4750 | ---  | ---  |
| ● FTS-135-03-L-DV | 70  | 11P4767 | 7.68 | 6.85 |
| ● FTS-140-03-L-DV | 80  | 11P4781 | 8.77 | 7.82 |
| ● FTS-145-03-L-DV | 90  | 11P4792 | 9.86 | 8.80 |
| ● FTS-150-03-L-DV | 100 | 11P4806 | 9.86 | 8.80 |

(136018)

**New products added daily**

See the newest products, technologies and suppliers on our website.



(196560)

PC BOARD HEADERS & SOCKETS

1.27mm (0.050") FLE SERIES SURFACE MOUNT RECEPTACLES



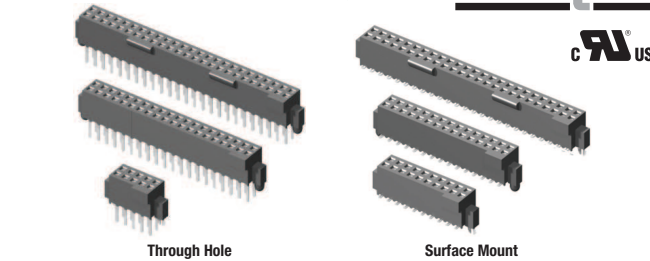
- Dual-row configuration
- Available up to 50 pins per row
- Tiger Beam surface mount contact design
- 10µ" (0.25µm) gold plating over 50µ" (1.27µm) nickel
- Contact resistance: 15mΩ max.
- Insertion depth 0.072" (1.83mm) to 0.172" (4.37mm) or top pass-through
- Insertion/withdrawal force (single contact): 1.5 oz. (0.42N) avg.
- Normal force: 100 grams (0.98N)
- Cycles: 100+ max.

FLE series dual row 0.05" micro pitch surface mount sockets are ideal for pass-through applications. Feature black liquid crystal polymer with phosphor bronze contacts. Mates with FTS series micro headers, FTS, FW terminal strips and FFMD and FMTP series cable assemblies; all ordered separately, go online or call. Current rating: 1.75A @ 80°C ambient. Operating temperature range -55°C to +125°C. UL recognized.

| Mfg. Part No.     | Positions | Stock No. | Price Each |       |
|-------------------|-----------|-----------|------------|-------|
|                   |           |           | 1-9        | 10-99 |
| ● FLE-105-01-G-DV | 10        | 61J4245   | 1.39       | 1.39  |
| ● FLE-110-01-G-DV | 20        | 11P4413   | 2.91       | 2.56  |
| ● FLE-120-01-G-DV | 40        | 11P4422   | 5.82       | 5.10  |
| ● FLE-125-01-G-DV | 50        | 11P4427   | 5.98       | 5.34  |
| ● FLE-130-01-G-DV | 60        | 11P4432   | 7.16       | 6.39  |
| ● FLE-140-01-G-DV | 80        | 11P4442   | ---        | ---   |
| ● FLE-150-01-G-DV | 100       | 11P4451   | 9.37       | 8.83  |

(136041)

1.27mm (0.050") SFM AND SFML SERIES TIGER EYE RECEPTACLES



Specifications:

- Insulator Material: Black liquid crystal polymer
- Contact Material: Tiger Eye= Beryllium Copper, Tiger Eye LITE= Phosphor Bronze
- Plating: Gold over nickel
- Current Rating: 2A
- Voltage Rating: 350VAC
- Operating Temperature: -55°C to +125°C
- Contact Resistance: 15mΩ max
- Insertion Depth: (3.05mm) .120" to (4.06mm) .160"
- Wiping Distance: (0.38mm) .015"
- Insertion Force: 2.5oz (0.69N)
- Max Cycles: 10,000

Features:

- High reliability Tiger Eye contacts
- Locking feature increases unmating force
- SFML series mates with: TFML series

SFML SERIES TIGER EYE RECEPTACLES - THROUGH HOLE

| Mfg. Part No.     | Positions | Stock No. | Price Each |       |
|-------------------|-----------|-----------|------------|-------|
|                   |           |           | 1-9        | 10-99 |
| ● SFML-110-01-S-D | 20        | 11P6485   | 6.61       | 5.79  |
| ● SFML-115-01-S-D | 30        | 11P6489   | 5.21       | 4.60  |
| ● SFML-120-01-S-D | 40        | 11P6493   | 7.77       | 6.86  |
| ● SFML-125-01-S-D | 50        | 11P6497   | 8.98       | 8.47  |
| ● SFML-130-01-S-D | 60        | 11P6501   | 10.77      | 10.15 |
| ● SFML-135-01-S-D | 70        | 11P6505   | ---        | ---   |
| ● SFML-140-01-S-D | 80        | 11P6509   | 13.06      | 12.31 |
| ● SFML-145-01-S-D | 90        | 11P6513   | 12.18      | 13.85 |
| ● SFML-150-01-S-D | 100       | 11P6517   | 16.31      | 15.38 |

SFML SERIES TIGER EYE LITE RECEPTACLES - THROUGH HOLE

|                   |     |         |       |       |
|-------------------|-----|---------|-------|-------|
| ● SFML-110-T1-S-D | 20  | 11P6483 | 4.04  | 3.68  |
| ● SFML-115-T1-S-D | 30  | 11P6487 | 6.70  | 5.86  |
| ● SFML-120-T1-S-D | 40  | 11P6491 | 5.56  | 4.90  |
| ● SFML-125-T1-S-D | 50  | 11P6495 | 9.15  | 8.16  |
| ● SFML-130-T1-S-D | 60  | 11P6499 | 10.98 | 9.79  |
| ● SFML-135-T1-S-D | 70  | 11P6503 | 9.15  | 8.62  |
| ● SFML-140-T1-S-D | 80  | 11P6507 | ---   | ---   |
| ● SFML-145-T1-S-D | 90  | 11P6511 | 11.75 | 11.08 |
| ● SFML-150-T1-S-D | 100 | 11P6515 | 10.83 | 12.31 |

SFM SERIES TIGER EYE RECEPTACLES - SURFACE MOUNT

|                  |    |         |      |      |
|------------------|----|---------|------|------|
| ● SFM-110-02-S-D | 20 | 39P9494 | 6.53 | 5.72 |
| ● SFM-115-02-S-D | 30 | 73C2453 | 6.81 | 6.08 |
| ● SFM-120-02-S-D | 40 | 39P9495 | 7.39 | 6.25 |
| ● SFM-125-02-S-D | 50 | 39P9496 | 8.88 | 8.37 |

▶ CONTINUED ▶

1.27mm (0.050") SFM AND SFML SERIES TIGER EYE RECEPTACLES (CONT.)

SFM SERIES TIGER EYE RECEPTACLES - SURFACE MOUNT

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● SFM-130-02-S-D | 60        | 39P9497   | 9.91       | 10.05 |
| ● SFM-140-02-S-D | 80        | 39P9498   | ---        | ---   |
| ● SFM-145-02-S-D | 90        | 39P9499   | 12.05      | 13.70 |

SFML SERIES TIGER EYE RECEPTACLES - SURFACE MOUNT

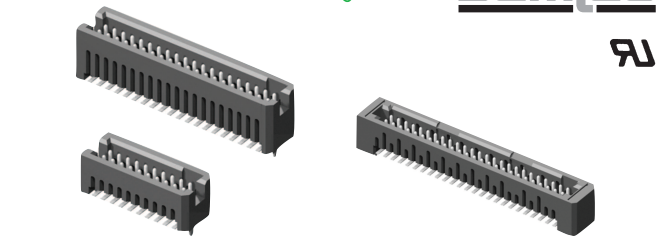
|                   |     |         |       |       |
|-------------------|-----|---------|-------|-------|
| ● SFML-110-02-S-D | 20  | 11P6486 | ---   | ---   |
| ● SFML-115-02-S-D | 30  | 11P6490 | ---   | ---   |
| ● SFML-120-02-S-D | 40  | 11P6494 | 7.23  | 6.39  |
| ● SFML-125-02-S-D | 50  | 11P6498 | 9.37  | 8.83  |
| ● SFML-130-02-S-D | 60  | 11P6502 | 11.24 | 10.60 |
| ● SFML-135-02-S-D | 70  | 11P6506 | 11.92 | 11.24 |
| ● SFML-140-02-S-D | 80  | 11P6510 | ---   | ---   |
| ● SFML-145-02-S-D | 90  | 11P6514 | 15.32 | 14.44 |
| ● SFML-150-02-S-D | 100 | 11P6518 | 17.01 | 16.04 |

SFML SERIES TIGER EYE LITE RECEPTACLES - SURFACE MOUNT

|                   |     |         |       |       |
|-------------------|-----|---------|-------|-------|
| ● SFML-110-T2-S-D | 20  | 11P6484 | 5.53  | 4.84  |
| ● SFML-115-T2-S-D | 30  | 11P6488 | 5.74  | 5.12  |
| ● SFML-120-T2-S-D | 40  | 11P6492 | 7.65  | 6.83  |
| ● SFML-125-T2-S-D | 50  | 11P6496 | ---   | ---   |
| ● SFML-130-T2-S-D | 60  | 11P6500 | 9.00  | 8.49  |
| ● SFML-135-T2-S-D | 70  | 11P6504 | ---   | ---   |
| ● SFML-140-T2-S-D | 80  | 11P6508 | 10.89 | 10.27 |
| ● SFML-145-T2-S-D | 90  | 11P6512 | 12.25 | 11.56 |
| ● SFML-150-T2-S-D | 100 | 11P6516 | 13.62 | 12.84 |

(136049)

1.27mm (0.050") TFM AND TFML SERIES TIGER EYE HEADERS



- Insulator Material: Black liquid crystal polymer
- Contact: Gold plated Phosphor bronze
- Current Rating: 2A @ 80°C ambient

- Temperature Range: -55° to +105°C
- TFM series mates with: SFM, SFMC, SFSD series
- TFML series mates with: SFML series

TFM SERIES HEADERS - THROUGH-HOLE, VERTICAL WITH WELD TABS

| Mfg. Part No.       | Positions | Stock No. | Price Each |       |
|---------------------|-----------|-----------|------------|-------|
|                     |           |           | 1-9        | 10-99 |
| ● TFM-105-01-S-D-WT | 10        | 12P0286   | 2.44       | 2.22  |
| ● TFM-110-01-S-D-WT | 20        | 12P0288   | 5.63       | 4.93  |
| ● TFM-115-01-S-D-WT | 30        | 12P0290   | 5.69       | 5.08  |
| ● TFM-120-01-S-D-WT | 40        | 12P0292   | 7.39       | 6.59  |
| ● TFM-125-01-S-D-WT | 50        | 12P0294   | 9.10       | 8.12  |
| ● TFM-130-01-S-D-WT | 60        | 12P0296   | 10.80      | 9.64  |

TFM SERIES HEADERS - SURFACE MOUNT, VERTICAL

|                  |    |         |       |       |
|------------------|----|---------|-------|-------|
| ● TFM-110-02-S-D | 20 | 39P9500 | 5.39  | 4.72  |
| ● TFM-115-02-S-D | 30 | 39P9501 | 4.76  | 4.20  |
| ● TFM-120-02-S-D | 40 | 39P9502 | 6.35  | 5.61  |
| ● TFM-125-02-S-D | 50 | 39P9503 | ---   | ---   |
| ● TFM-130-02-S-D | 60 | 39P9504 | ---   | ---   |
| ● TFM-140-02-S-D | 80 | 39P9505 | 10.66 | 10.05 |
| ● TFM-145-02-S-D | 90 | 39P9506 | 10.54 | 10.54 |

TFM SERIES HEADERS - SURFACE MOUNT, VERTICAL WITH WELD TABS

|                     |    |         |      |      |
|---------------------|----|---------|------|------|
| ● TFM-105-02-S-D-WT | 10 | 12P0287 | 2.62 | 2.39 |
| ● TFM-110-02-S-D-WT | 20 | 12P0289 | 6.12 | 5.36 |
| ● TFM-115-02-S-D-WT | 30 | 12P0291 | 6.20 | 5.54 |
| ● TFM-120-02-S-D-WT | 40 | 12P0293 | 8.08 | 7.21 |
| ● TFM-125-02-S-D-WT | 50 | 12P0295 | 9.95 | 8.88 |
| ● TFM-130-02-S-D-WT | 60 | 12P0297 | ---  | ---  |

TFML SERIES HEADERS - THROUGH-HOLE, VERTICAL

|                   |    |         |       |      |
|-------------------|----|---------|-------|------|
| ● TFML-110-01-S-D | 20 | 12P0298 | 5.17  | 4.53 |
| ● TFML-115-01-S-D | 30 | 12P0301 | 6.57  | 5.74 |
| ● TFML-125-01-S-D | 50 | 12P0307 | 8.95  | 7.98 |
| ● TFML-130-01-S-D | 60 | 12P0310 | 10.75 | 9.60 |
| ● TFML-140-01-S-D | 80 | 12P0313 | ---   | ---  |

▶ CONTINUED ▶

1.27mm (0.050") TFM AND TFML SERIES TIGER EYE HEADERS (CONT.)

TFML SERIES HEADERS - THROUGH-HOLE, VERTICAL

| Mfg. Part No.     | Positions | Stock No. | Price Each |       |
|-------------------|-----------|-----------|------------|-------|
|                   |           |           | 1-9        | 10-99 |
| ● TFML-145-01-S-D | 90        | 12P0316   | 11.48      | 10.83 |
| ● TFML-150-01-S-D | 100       | 12P0319   | ---        | ---   |

TFML SERIES HEADERS - THROUGH-HOLE, RIGHT-ANGLE

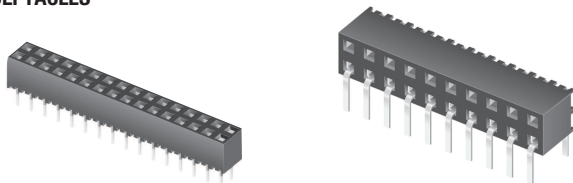
|                      |     |         |       |       |
|----------------------|-----|---------|-------|-------|
| ● TFML-110-01-S-D-RA | 20  | 12P0299 | 5.69  | 4.98  |
| ● TFML-120-01-S-D-RA | 40  | 12P0305 | 6.69  | 5.91  |
| ● TFML-125-01-S-D-RA | 50  | 12P0308 | 9.84  | 8.78  |
| ● TFML-130-01-S-D-RA | 60  | 12P0311 | 9.29  | 8.75  |
| ● TFML-140-01-S-D-RA | 80  | 12P0314 | ---   | ---   |
| ● TFML-145-01-S-D-RA | 90  | 12P0317 | 12.64 | 11.92 |
| ● TFML-150-01-S-D-RA | 100 | 12P0320 | 14.04 | 13.24 |

TFML SERIES HEADERS - SURFACE MOUNT, VERTICAL

|                   |    |         |       |       |
|-------------------|----|---------|-------|-------|
| ● TFML-110-02-S-D | 20 | 12P0300 | 4.35  | 3.96  |
| ● TFML-115-02-S-D | 30 | 12P0303 | 5.91  | 5.29  |
| ● TFML-120-02-S-D | 40 | 12P0306 | 7.88  | 7.03  |
| ● TFML-125-02-S-D | 50 | 12P0309 | 7.45  | 6.59  |
| ● TFML-130-02-S-D | 60 | 12P0312 | 9.29  | 8.75  |
| ● TFML-140-02-S-D | 80 | 12P0315 | 11.24 | 10.60 |
| ● TFML-145-02-S-D | 90 | 12P0318 | ---   | ---   |

(136038)

2.00mm (0.079") MMS SERIES PC BOARD RECEPTACLES



Vertical Entry

Horizontal Entry

- Insulator Material: Black liquid crystal polymer
- Temperature Range: -55° to +125°C
- Current Rating: 2A
- Contact: Gold plated Phosphor bronze

- Contact Resistance: 10 mΩ max.
- Mates with: TMM, MMT, TW, TMMH, MTMM, LTMM, ZLTMM, TCMD series

MMS SERIES DOUBLE ROW RECEPTACLES - THROUGH HOLE, VERTICAL

| Mfg. Part No.     | Positions | Stock No. | Price Each |       |
|-------------------|-----------|-----------|------------|-------|
|                   |           |           | 1-9        | 10-99 |
| ● MMS-105-01-L-DV | 10        | 11P5312   | 2.15       | 2.00  |
| ● MMS-110-01-L-DV | 20        | 11P5392   | 2.67       | 2.43  |
| ● MMS-115-01-L-DV | 30        | 11P5468   | 4.00       | 3.64  |
| ● MMS-120-01-L-DV | 40        | 11P5543   | ---        | ---   |
| ● MMS-125-01-L-DV | 50        | 11P5612   | 7.15       | 6.37  |
| ● MMS-130-01-L-DV | 60        | 11P5668   | 6.49       | 5.74  |
| ● MMS-135-01-L-DV | 70        | 11P5729   | 7.57       | 6.68  |
| ● MMS-140-01-L-DV | 80        | 11P5773   | 8.95       | 8.44  |

MMS SERIES DOUBLE ROW RECEPTACLES - THROUGH HOLE, HORIZONTAL

|                   |    |         |      |      |
|-------------------|----|---------|------|------|
| ● MMS-105-01-L-DH | 10 | 11P5311 | 3.62 | 3.17 |
| ● MMS-110-01-L-DH | 20 | 11P5391 | ---  | ---  |
| ● MMS-115-01-L-DH | 30 | 11P5467 | ---  | ---  |
| ● MMS-120-01-L-DH | 40 | 11P5542 | 7.92 | 7.08 |
| ● MMS-125-01-L-DH | 50 | 11P5611 | 9.91 | 8.84 |
| ● MMS-130-01-L-DH | 60 | 11P5667 | 9.31 | 8.78 |
| ● MMS-135-01-L-DH | 70 | 11P5728 | ---  | ---  |
| ● MMS-140-01-L-DH | 80 | 11P5772 | ---  | ---  |

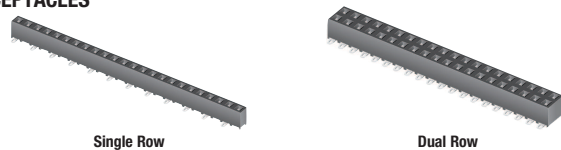
(136032)

Your peers value your opinion

Be sure to rate products online by clicking on review links on product detail pages.

(196525)

2.00mm (0.079") SMM SERIES HIGH RELIABILITY RECEPTACLES



Single Row

Dual Row

Features:

- High reliability Tiger Eye contacts
- Mates with: TMM, TMMH, MTMM, MMT, LTMM, TW, TCMD series

Specifications:

- Insulator Material: Black liquid crystal polymer
- Contact: 30µ" Gold plated Beryllium copper on contact area, matte tin on tail.
- Current Rating: 3A @ 80°C
- Contact Resistance: 10mΩ max
- Insertion Depth: (3.05mm) .120" to (3.25mm) .128"
- Insertion Force: 2.0oz (0.56N)
- Withdrawal Force: 1.5oz (0.42N)
- Operating Temperature: -55°C to +125°C
- Max Cycles: 100

SMM HIGH RELIABILITY SINGLE ROW RECEPTACLES

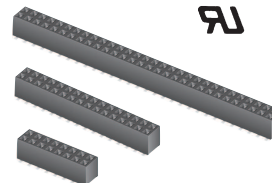
| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● SMM-102-02-S-S | 2         | 11P7132   | 1.06       | 1.06  |
| ● SMM-104-02-S-S | 4         | 11P7135   | ---        | ---   |
| ● SMM-106-02-S-S | 6         | 11P7139   | ---        | ---   |
| ● SMM-108-02-S-S | 8         | 11P7143   | 3.16       | 2.76  |
| ● SMM-110-02-S-S | 10        | 11P7146   | 3.30       | 2.88  |
| ● SMM-112-02-S-S | 12        | 11P7149   | 3.02       | 2.75  |

SMM HIGH RELIABILITY DOUBLE ROW RECEPTACLES

|                  |    |         |       |       |
|------------------|----|---------|-------|-------|
| ● SMM-102-02-S-D | 4  | 60M5718 | 1.81  | 1.68  |
| ● SMM-104-02-S-D | 8  | 56J6729 | 2.75  | 2.50  |
| ● SMM-105-02-S-D | 10 | 11P7136 | 3.54  | 3.22  |
| ● SMM-106-02-S-D | 12 | 11P7138 | 4.71  | 4.12  |
| ● SMM-108-02-S-D | 16 | 11P7142 | 4.12  | 3.75  |
| ● SMM-110-02-S-D | 20 | 93K7469 | 5.61  | 4.91  |
| ● SMM-115-02-S-D | 30 | 11P7154 | 6.89  | 6.15  |
| ● SMM-120-02-S-D | 40 | 11P7164 | 9.19  | 8.20  |
| ● SMM-125-02-S-D | 50 | 11P7173 | 9.00  | 8.49  |
| ● SMM-130-02-S-D | 60 | 11P7183 | 10.80 | 10.18 |
| ● SMM-135-02-S-D | 70 | 11P7193 | 12.60 | 11.88 |
| ● SMM-140-02-S-D | 80 | 11P7201 | 14.41 | 13.58 |

(136050)

2.00mm (0.079") TLE SERIES STANDARD RECEPTACLES



The Tiger Beam™ post and beam contact system features reliable performance and is considered the best cost of all Samtec contacts. Double row surface mount receptacles feature black liquid crystal polymer housing with Tiger Beam™ contacts. Contacts: phosphor bronze, 10µ" (0.25µm) gold. Operating temperature range: -55°C to +125°C. Suitable for pass-through applications. Mates with: TMMH, TMM, MTMM, MMT, TW, LTMM, ZLTMM, TCMD series.

TLE SERIES STANDARD RECEPTACLES

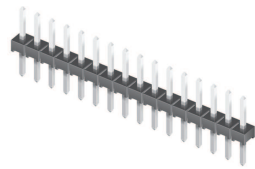
| Mfg. Part No.     | Positions | Stock No. | Price Each |       |
|-------------------|-----------|-----------|------------|-------|
|                   |           |           | 1-9        | 10-99 |
| ● TLE-102-01-G-DV | 4         | 12P0322   | 1.70       | 1.50  |
| ● TLE-103-01-G-DV | 6         | 12P0323   | 1.99       | 1.73  |
| ● TLE-104-01-G-DV | 8         | 12P0324   | 2.06       | 1.80  |
| ● TLE-105-01-G-DV | 10        | 12P0325   | 2.39       | 2.09  |
| ● TLE-106-01-G-DV | 12        | 12P0326   | ---        | ---   |
| ● TLE-107-01-G-DV | 14        | 12P0327   | 1.98       | 1.84  |
| ● TLE-108-01-G-DV | 16        | 12P0328   | 3.09       | 2.69  |
| ● TLE-109-01-G-DV | 18        | 12P0329   | 2.97       | 2.60  |
| ● TLE-115-01-G-DV | 30        | 12P0335   | 3.60       | 3.29  |
| ● TLE-120-01-G-DV | 40        | 12P0340   | ---        | ---   |
| ● TLE-125-01-G-DV | 50        | 12P0345   | 6.40       | 5.72  |
| ● TLE-130-01-G-DV | 60        | 12P0350   | 7.70       | 6.87  |
| ● TLE-135-01-G-DV | 70        | 12P0355   | ---        | ---   |
| ● TLE-140-01-G-DV | 80        | 12P0358   | 10.26      | 9.16  |
| ● TLE-145-01-G-DV | 90        | 12P0361   | 9.05       | 8.53  |
| ● TLE-150-01-G-DV | 100       | 12P0363   | 10.05      | 9.48  |
| ● TLE-160-01-G-DV | 120       | 12P0364   | 12.06      | 11.37 |

(136037)

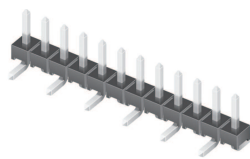


PC BOARD HEADERS & SOCKETS

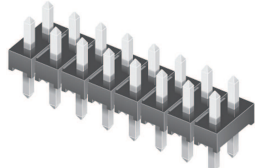
2.00mm (0.079") TMM SERIES HEADERS



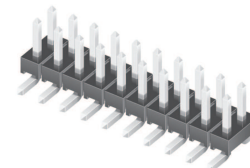
Single Row Through Hole



Single Row Surface Mount



Double Row Through Hole



Double Row Surface Mount

Headers feature black liquid crystal polymer housing. Contacts: Phosphor bronze with 0.51µm (20µ") gold on contact area, gold flash on tail. Operating temperature range: -55°C to +105°C w/ tin, -55°C to +105°C w/ gold. Mates with: CLT, SQT, SQW, ESQT, TLE, SMM, MMS, TCSD, TUSD series.

TMM SERIES LOW PROFILE HEADERS - SINGLE ROW, THROUGH HOLE VERTICAL

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● TMM-102-01-G-S | 2         | 12P0631   | 0.49       | 0.44  |
| ● TMM-103-01-G-S | 3         | 12P0643   | 0.73       | 0.66  |
| ● TMM-104-01-G-S | 4         | 12P0655   | 0.97       | 0.87  |
| ● TMM-105-01-G-S | 5         | 12P0667   | 1.09       | 0.96  |
| ● TMM-106-01-G-S | 6         | 12P0679   | 1.31       | 1.15  |
| ● TMM-108-01-G-S | 8         | 12P0702   | 1.74       | 1.53  |
| ● TMM-110-01-G-S | 10        | 12P0726   | 1.89       | 1.65  |
| ● TMM-112-01-G-S | 12        | 12P0750   | 2.26       | 1.97  |
| ● TMM-120-01-G-S | 20        | 12P0842   | 3.21       | 2.81  |

TMM SERIES LOW PROFILE HEADERS - SINGLE ROW, SURFACE MOUNT VERTICAL

|                     |    |         |      |      |
|---------------------|----|---------|------|------|
| ● TMM-102-01-G-S-SM | 2  | 12P0632 | 0.39 | 0.38 |
| ● TMM-103-01-G-S-SM | 3  | 12P0644 | 0.88 | 0.79 |
| ● TMM-104-01-G-S-SM | 4  | 12P0656 | 1.05 | 0.92 |
| ● TMM-105-01-G-S-SM | 5  | 12P0668 | ---  | ---  |
| ● TMM-106-01-G-S-SM | 6  | 12P0680 | 1.57 | 1.38 |
| ● TMM-108-01-G-S-SM | 8  | 12P0703 | 1.81 | 1.58 |
| ● TMM-110-01-G-S-SM | 10 | 12P0727 | 1.58 | 1.47 |
| ● TMM-112-01-G-S-SM | 12 | 12P0751 | ---  | ---  |
| ● TMM-120-01-G-S-SM | 20 | 12P0843 | ---  | ---  |

TMM SERIES LOW PROFILE HEADERS - DOUBLE ROW, THROUGH HOLE VERTICAL

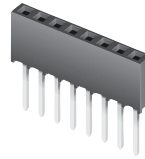
|                  |     |         |       |      |
|------------------|-----|---------|-------|------|
| ● TMM-102-01-G-D | 4   | 12P0630 | 0.41  | 0.41 |
| ● TMM-103-01-G-D | 6   | 12P0641 | 1.11  | 0.98 |
| ● TMM-104-01-G-D | 8   | 12P0653 | 1.48  | 1.31 |
| ● TMM-105-01-G-D | 10  | 12P0665 | 1.13  | 1.05 |
| ● TMM-106-01-G-D | 12  | 12P0677 | 1.93  | 1.68 |
| ● TMM-107-01-G-D | 14  | 12P0689 | 1.57  | 1.46 |
| ● TMM-108-01-G-D | 16  | 12P0700 | 1.60  | 1.49 |
| ● TMM-109-01-G-D | 18  | 12P0712 | 2.89  | 2.52 |
| ● TMM-110-01-G-D | 20  | 12P0724 | 2.10  | 1.92 |
| ● TMM-115-01-G-D | 30  | 12P0783 | 4.11  | 3.60 |
| ● TMM-120-01-G-D | 40  | 12P0841 | 4.18  | 3.81 |
| ● TMM-125-01-G-D | 50  | 12P0889 | 5.60  | 5.00 |
| ● TMM-130-01-G-D | 60  | 12P0934 | 6.74  | 6.01 |
| ● TMM-135-01-G-D | 70  | 12P0987 | 7.85  | 7.01 |
| ● TMM-140-01-G-D | 80  | 12P1033 | ---   | ---  |
| ● TMM-145-01-G-D | 90  | 12P1055 | 10.08 | 9.00 |
| ● TMM-150-01-G-D | 100 | 12P1068 | 10.08 | 9.00 |

TMM SERIES LOW PROFILE HEADERS - DOUBLE ROW, SURFACE MOUNT VERTICAL

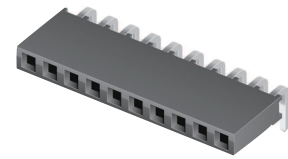
|                     |     |         |      |      |
|---------------------|-----|---------|------|------|
| ● TMM-102-01-G-D-SM | 4   | 03P3762 | 1.00 | 0.89 |
| ● TMM-104-01-G-D-SM | 8   | 12P0654 | 1.05 | 0.97 |
| ● TMM-105-01-G-D-SM | 10  | 12P0666 | 1.93 | 1.68 |
| ● TMM-106-01-G-D-SM | 12  | 12P0678 | 1.62 | 1.51 |
| ● TMM-107-01-G-D-SM | 14  | 12P0690 | 2.70 | 2.36 |
| ● TMM-108-01-G-D-SM | 16  | 12P0701 | ---  | ---  |
| ● TMM-109-01-G-D-SM | 18  | 12P0713 | 2.97 | 2.60 |
| ● TMM-150-01-G-D-SM | 100 | 12P1069 | 9.49 | 8.95 |

(138052)

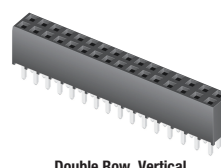
2.00mm (0.079") SQT SERIES PC BOARD RECEPTACLES



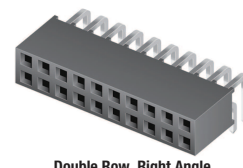
Single Row, Vertical



Single Row, Right Angle



Double Row, Vertical



Double Row, Right Angle

Specifications:

- Insulator: Black liquid crystal polymer
- Contact: Gold plated Phosphor Bronze
- Operating Temperature Range: -55 °C to +125 °C
- Current Resistance: 10 mΩ max
- Mates with: TMMH, TMM, MTMM, MMT, TW, LTMM, ZLTMM, ESQT, TCMD series

SQT SERIES RECEPTACLES - SINGLE ROW, VERTICAL

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● SQT-102-01-L-S | 2         | 11P7240   | 0.82       | 0.76  |
| ● SQT-104-01-L-S | 4         | 11P7248   | 1.15       | 1.06  |
| ● SQT-105-01-L-S | 5         | 11P7252   | 1.60       | 1.40  |
| ● SQT-106-01-L-S | 6         | 11P7256   | 1.78       | 1.56  |
| ● SQT-108-01-L-S | 8         | 11P7264   | 2.08       | 1.81  |
| ● SQT-110-01-L-S | 10        | 11P7272   | 2.47       | 2.15  |

SQT SERIES RECEPTACLES - SINGLE ROW, RIGHT ANGLE

|                     |    |         |      |      |
|---------------------|----|---------|------|------|
| ● SQT-102-01-L-S-RA | 2  | 11P7241 | 1.25 | 1.11 |
| ● SQT-104-01-L-S-RA | 4  | 11P7249 | 1.75 | 1.54 |
| ● SQT-105-01-L-S-RA | 5  | 11P7253 | 1.76 | 1.54 |
| ● SQT-106-01-L-S-RA | 6  | 11P7257 | 1.96 | 1.71 |
| ● SQT-108-01-L-S-RA | 8  | 11P7265 | 2.29 | 1.99 |
| ● SQT-110-01-L-S-RA | 10 | 11P7273 | 2.08 | 1.93 |

SQT SERIES RECEPTACLES - DOUBLE ROW, VERTICAL

|                  |     |         |       |       |
|------------------|-----|---------|-------|-------|
| ● SQT-102-01-L-D | 4   | 11P7238 | ---   | ---   |
| ● SQT-103-01-L-D | 6   | 11P7242 | 2.27  | 1.98  |
| ● SQT-110-01-L-D | 20  | 11P7270 | 3.59  | 3.15  |
| ● SQT-120-01-L-D | 40  | 11P7309 | 5.87  | 5.24  |
| ● SQT-125-01-L-D | 50  | 11P7329 | 5.99  | 5.08  |
| ● SQT-130-01-L-D | 60  | 11P7346 | ---   | ---   |
| ● SQT-135-01-L-D | 70  | 11P7365 | 10.26 | 9.16  |
| ● SQT-140-01-L-D | 80  | 11P7381 | 9.19  | 8.67  |
| ● SQT-150-01-L-D | 100 | 11P7403 | 11.50 | 10.84 |

SQT SERIES RECEPTACLES - DOUBLE ROW, RIGHT ANGLE

|                     |     |         |       |       |
|---------------------|-----|---------|-------|-------|
| ● SQT-102-01-L-D-RA | 4   | 11P7239 | 1.85  | 1.61  |
| ● SQT-103-01-L-D-RA | 6   | 11P7243 | ---   | ---   |
| ● SQT-104-01-L-D-RA | 8   | 11P7247 | 2.59  | 2.26  |
| ● SQT-105-01-L-D-RA | 10  | 11P7251 | 2.10  | 1.96  |
| ● SQT-110-01-L-D-RA | 20  | 11P7271 | 3.02  | 2.75  |
| ● SQT-115-01-L-D-RA | 30  | 11P7291 | 5.91  | 5.17  |
| ● SQT-120-01-L-D-RA | 40  | 11P7310 | 6.45  | 5.76  |
| ● SQT-125-01-L-D-RA | 50  | 11P7330 | 6.84  | 6.04  |
| ● SQT-130-01-L-D-RA | 60  | 11P7347 | 9.68  | 8.64  |
| ● SQT-135-01-L-D-RA | 70  | 11P7366 | 8.86  | 8.35  |
| ● SQT-140-01-L-D-RA | 80  | 11P7382 | ---   | ---   |
| ● SQT-150-01-L-D-RA | 100 | 11P7404 | 12.64 | 11.92 |

(138033)

**NEW! Technical support hotline**

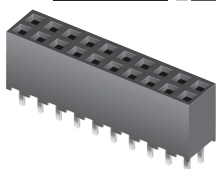
Call **877.736.4835** to connect directly with our team of engineers or chat live 24/5 online.

(196535)

**2.00mm (0.079") SQW SERIES TIGER BUY RECEPTACLES**



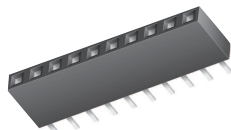
The Tiger Buy tuning fork contact system features high mating and unmating retention in a cost effective system. Tiger Buy receptacles feature black liquid crystal polymer housing with gold plated phosphor bronze contacts. Voltage rating: 500 VAC mated with TMM or TMMH, Operating temperature range -55°C to +125°C, Contact resistance: 10 mΩ max, Rated 100 mating cycles. Mates with: TMMH, TMM, MTMM, MMT, TW, TSH, TCMD series.



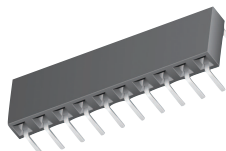
| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● SQW-102-01-L-D | 4         | 11P7407   | 1.58       | 1.39  |
| ● SQW-103-01-L-D | 6         | 11P7409   | 1.15       | 1.15  |
| ● SQW-104-01-L-D | 8         | 11P7411   | 1.91       | 1.67  |
| ● SQW-105-01-L-D | 10        | 11P7413   | 2.22       | 1.93  |
| ● SQW-106-01-L-D | 12        | 11P7415   | 1.53       | 1.43  |
| ● SQW-110-01-L-D | 20        | 11P7423   | 2.23       | 2.03  |
| ● SQW-115-01-L-D | 30        | 11P7433   | 4.36       | 3.81  |
| ● SQW-120-01-L-D | 40        | 11P7443   | 4.86       | 4.42  |
| ● SQW-125-01-L-D | 50        | 11P7453   | 5.04       | 4.45  |
| ● SQW-130-01-L-D | 60        | 11P7462   | 6.08       | 5.36  |
| ● SQW-135-01-L-D | 70        | 11P7471   | 8.32       | 7.43  |
| ● SQW-140-01-L-D | 80        | 11P7477   | 8.08       | 7.13  |
| ● SQW-145-01-L-D | 90        | 11P7483   | 10.69      | 9.54  |
| ● SQW-150-01-L-D | 100       | 11P7488   | 10.69      | 9.54  |

(136059)

**2.54mm (0.100") BCS SERIES PC BOARD RECEPTACLES**



Top Entry



Horizontal Entry

- Insulator Material: Black liquid crystal polymer
- Current Rating: 3A @ 80°C (-TE mated with TSM); 4A @ 80°C (-HE mated with TSW-D)
- Voltage Rating: -HE mated with TSW: 450 VAC; -TE mated with TSM: 475 VAC
- Temperature Range: -55° to +125°C
- Contact: Gold plated Phosphor bronze
- Contact Resistance: 10 mΩ
- Mates with: TSW, MTSW, TSS, ZSS, DW, EW, ZW, HW, TSM, MTLW series

**BCS SERIES PC BOARD RECEPTACLES - TOP ENTRY**

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● BCS-102-L-S-TE | 2         | 88K1015   | 0.78       | 0.72  |
| ● BCS-104-L-S-TE | 4         | 88K0996   | 1.57       | 1.39  |
| ● BCS-106-L-S-TE | 6         | 11P3230   | 1.79       | 1.57  |
| ● BCS-108-L-S-TE | 8         | 11P3242   | 2.05       | 1.78  |
| ● BCS-110-L-S-TE | 10        | 11P3254   | 2.13       | 1.86  |
| ● BCS-112-L-S-TE | 12        | 11P3265   | 1.78       | 1.66  |
| ● BCS-114-L-S-TE | 14        | 11P3276   | 2.98       | 2.60  |
| ● BCS-116-L-S-TE | 16        | 11P3287   | 2.23       | 2.03  |
| ● BCS-118-L-S-TE | 18        | 11P3299   | ---        | ---   |
| ● BCS-120-L-S-TE | 20        | 11P3311   | 3.62       | 3.17  |
| ● BCS-122-L-S-TE | 22        | 11P3323   | ---        | ---   |
| ● BCS-124-L-S-TE | 24        | 11P3335   | 3.33       | 3.04  |
| ● BCS-126-L-S-TE | 26        | 11P3347   | ---        | ---   |
| ● BCS-128-L-S-TE | 28        | 11P3359   | 5.06       | 4.43  |
| ● BCS-130-L-S-TE | 30        | 11P3369   | 4.16       | 3.79  |
| ● BCS-132-L-S-TE | 32        | 11P3381   | 5.80       | 5.08  |
| ● BCS-140-L-S-TE | 40        | 11P3428   | 5.94       | 5.30  |
| ● BCS-150-L-S-TE | 50        | 11P3484   | 5.94       | 5.30  |

**BCS SERIES PC BOARD RECEPTACLES - HORIZONTAL ENTRY**

|                  |    |         |      |      |
|------------------|----|---------|------|------|
| ● BCS-102-L-S-HE | 2  | 11P3206 | ---  | ---  |
| ● BCS-104-L-S-HE | 4  | 11P3217 | 1.76 | 1.56 |
| ● BCS-106-L-S-HE | 6  | 11P3228 | 2.01 | 1.75 |
| ● BCS-108-L-S-HE | 8  | 11P3240 | 1.60 | 1.49 |
| ● BCS-110-L-S-HE | 10 | 11P3252 | 1.67 | 1.56 |
| ● BCS-112-L-S-HE | 12 | 11P3263 | ---  | ---  |
| ● BCS-114-L-S-HE | 14 | 11P3274 | 2.86 | 2.50 |
| ● BCS-116-L-S-HE | 16 | 11P3285 | ---  | ---  |
| ● BCS-118-L-S-HE | 18 | 11P3297 | 3.68 | 3.22 |
| ● BCS-120-L-S-HE | 20 | 11P3309 | ---  | ---  |

▶ CONTINUED ▶

**2.54mm (0.100") BCS SERIES PC BOARD RECEPTACLES (CONT.)**

**BCS SERIES PC BOARD RECEPTACLES - HORIZONTAL ENTRY**

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● BCS-122-L-S-HE | 22        | 11P3321   | 4.46       | 3.91  |
| ● BCS-124-L-S-HE | 24        | 11P3333   | 4.87       | 4.26  |
| ● BCS-126-L-S-HE | 26        | 11P3345   | 5.29       | 4.62  |
| ● BCS-128-L-S-HE | 28        | 11P3357   | 5.69       | 4.98  |
| ● BCS-130-L-S-HE | 30        | 11P3367   | ---        | ---   |
| ● BCS-132-L-S-HE | 32        | 11P3379   | ---        | ---   |
| ● BCS-140-L-S-HE | 40        | 11P3426   | 6.67       | 5.95  |
| ● BCS-150-L-S-HE | 50        | 11P3482   | 6.67       | 5.95  |

(136022)

**2.54mm (0.100") CES AND SLW SERIES LOW PROFILE RECEPTACLES**



Single Row



Dual Row

**Features:**

- Low profile
- Chamfered closed entry (CES series)
- Dual leaf folded, closed bottom contact (CES series)
- Tiger Buy contacts (SLW series)
- CES series mates with: TLW, TSW, MTLW, MTSW, EW, ZW and DW series
- SLW series mates with: TLW, TSW, MTLW, MTSW, EW and ZW series

**Specifications:**

- Current Rating: CES series : 1A; SLW series : 3A
- Insulator Material: Black G.F. polyester
- Contacts: Tin (-T) or Gold (-G) plated Phosphor bronze
- Temperature Range: -55°C to +125°C with Gold; -55°C to +105°C with Tin
- Contact Resistance: 10mΩ max

**CES SERIES LOW PROFILE RECEPTACLES - SINGLE ROW, THROUGH HOLE**

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● CES-102-01-T-S | 2         | 11P3494   | ---        | ---   |
| ● CES-104-01-T-S | 4         | 11P3502   | 0.62       | 0.56  |
| ● CES-106-01-T-S | 6         | 11P3510   | 0.92       | 0.83  |
| ● CES-108-01-T-S | 8         | 11P3518   | 0.79       | 0.73  |
| ● CES-110-01-T-S | 10        | 11P3526   | 1.37       | 1.21  |
| ● CES-112-01-T-S | 12        | 11P3534   | 1.65       | 1.45  |
| ● CES-114-01-T-S | 14        | 11P3542   | ---        | ---   |
| ● CES-116-01-T-S | 16        | 11P3550   | 1.46       | 1.36  |
| ● CES-118-01-T-S | 18        | 11P3558   | ---        | ---   |
| ● CES-120-01-T-S | 20        | 11P3566   | 2.38       | 2.08  |
| ● CES-122-01-T-S | 22        | 11P3574   | 2.62       | 2.29  |
| ● CES-124-01-T-S | 24        | 11P3582   | ---        | ---   |
| ● CES-126-01-T-S | 26        | 11P3590   | ---        | ---   |
| ● CES-128-01-T-S | 28        | 11P3598   | 2.86       | 2.50  |
| ● CES-129-01-T-S | 29        | 11P3602   | ---        | ---   |
| ● CES-130-01-T-S | 30        | 11P3606   | 3.05       | 2.67  |

**CES SERIES LOW PROFILE RECEPTACLES - DOUBLE ROW, THROUGH HOLE**

|                  |     |         |      |      |
|------------------|-----|---------|------|------|
| ● CES-102-01-T-D | 4   | 11P3493 | 0.53 | 0.47 |
| ● CES-104-01-T-D | 8   | 11P3501 | 0.62 | 0.57 |
| ● CES-106-01-T-D | 12  | 11P3509 | 1.41 | 1.24 |
| ● CES-108-01-T-D | 16  | 11P3517 | 1.63 | 1.42 |
| ● CES-110-01-T-D | 20  | 11P3525 | 1.56 | 1.45 |
| ● CES-116-01-T-D | 32  | 11P3549 | 1.90 | 1.73 |
| ● CES-120-01-T-D | 40  | 11P3565 | 3.46 | 3.03 |
| ● CES-125-01-T-D | 50  | 11P3585 | ---  | ---  |
| ● CES-128-01-T-D | 56  | 11P3597 | 4.85 | 4.24 |
| ● CES-130-01-T-D | 60  | 11P3605 | 3.98 | 3.62 |
| ● CES-135-01-T-D | 70  | 11P3625 | ---  | ---  |
| ● CES-140-01-T-D | 80  | 11P3645 | 4.82 | 4.25 |
| ● CES-150-01-T-D | 100 | 11P3685 | 5.67 | 5.06 |

**SLW SERIES LOW PROFILE RECEPTACLES - SINGLE ROW, THROUGH HOLE**

|                  |    |         |      |      |
|------------------|----|---------|------|------|
| ● SLW-102-01-G-S | 2  | 11P6845 | 0.32 | 0.31 |
| ● SLW-104-01-G-S | 4  | 11P6857 | 0.93 | 0.82 |
| ● SLW-106-01-G-S | 6  | 11P6869 | 1.00 | 0.92 |
| ● SLW-108-01-G-S | 8  | 11P6881 | 1.61 | 1.40 |
| ● SLW-110-01-G-S | 10 | 11P6893 | 1.54 | 1.43 |
| ● SLW-112-01-G-S | 12 | 11P6904 | 2.41 | 2.10 |
| ● SLW-114-01-G-S | 14 | 11P6916 | 2.81 | 2.45 |
| ● SLW-120-01-G-S | 20 | 11P6952 | 3.43 | 3.00 |

▶ CONTINUED ▶

PC BOARD HEADERS & SOCKETS

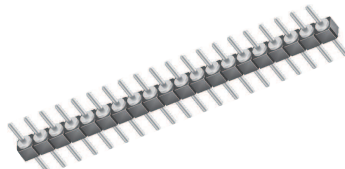
2.54mm (0.100") CES AND SLW SERIES LOW PROFILE RECEPTACLES (CONT.)

SLW SERIES LOW PROFILE RECEPTACLES - DOUBLE ROW, THROUGH HOLE

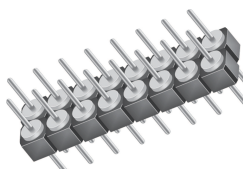
| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● SLW-102-01-G-D | 4         | 11P6844   | 0.93       | 0.82  |
| ● SLW-104-01-G-D | 8         | 11P6856   | 1.61       | 1.40  |
| ● SLW-106-01-G-D | 12        | 11P6868   | 2.41       | 2.10  |
| ● SLW-108-01-G-D | 16        | 11P6880   | 2.10       | 1.92  |
| ● SLW-115-01-G-D | 30        | 11P6921   | 5.15       | 4.50  |
| ● SLW-120-01-G-D | 40        | 11P6951   | ---        | ---   |
| ● SLW-125-01-G-D | 50        | 11P6981   | ---        | ---   |
| ● SLW-130-01-G-D | 60        | 11P7011   | 8.41       | 7.51  |
| ● SLW-135-01-G-D | 70        | 11P7041   | 9.82       | 8.76  |
| ● SLW-140-01-G-D | 80        | 11P7070   | 8.79       | 8.29  |
| ● SLW-145-01-G-D | 90        | 11P7098   | ---        | ---   |
| ● SLW-150-01-G-D | 100       | 11P7127   | 8.79       | 8.29  |

(136024)

2.54mm (0.100") TS AND TD SERIES TERMINAL STRIPS



TS Series Single Row



TD Series Double Row

Specifications:

- Insulator: Black G.F. polyester
- Contact: 20u" Gold plated Brass
- Operating Temperature Range: -55 °C to +125 °C

- Current Rating: 1 A
- Mates with: SS, SD, HSS, SL, SDL, ESS, ESD series

TS SERIES SINGLE ROW TERMINAL STRIPS

| Mfg. Part No. | Positions | Stock No. | Price Each |       |
|---------------|-----------|-----------|------------|-------|
|               |           |           | 1-9        | 10-99 |
| ● TS-102-G-A  | 2         | 12P1113   | 0.40       | 0.39  |
| ● TS-103-G-A  | 3         | 12P1115   | 0.99       | 0.88  |
| ● TS-104-G-A  | 4         | 12P1117   | 0.77       | 0.71  |
| ● TS-105-G-A  | 5         | 12P1119   | 1.47       | 1.29  |
| ● TS-106-G-A  | 6         | 12P1121   | 1.16       | 1.08  |
| ● TS-107-G-A  | 7         | 47M3221   | 1.24       | 1.16  |
| ● TS-108-G-A  | 8         | 12P1124   | 1.42       | 1.32  |
| ● TS-109-G-A  | 9         | 12P1126   | 2.29       | 1.99  |
| ● TS-110-G-A  | 10        | 12P1128   | 1.78       | 1.65  |
| ● TS-111-G-A  | 11        | 12P1130   | 2.79       | 2.44  |
| ● TS-112-G-A  | 12        | 12P1132   | 3.05       | 2.66  |
| ● TS-120-G-A  | 20        | 12P1148   | 3.31       | 3.02  |
| ● TS-125-G-A  | 25        | 12P1158   | 3.70       | 3.37  |
| ● TS-130-G-A  | 30        | 12P1167   | 6.48       | 5.67  |

TD SERIES DOUBLE ROW TERMINAL STRIPS

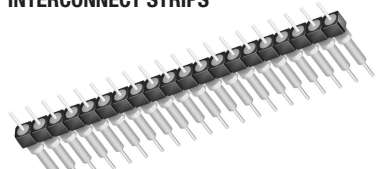
|              |    |         |      |      |
|--------------|----|---------|------|------|
| ● TD-102-G-A | 4  | 12P0228 | 1.17 | 1.03 |
| ● TD-104-G-A | 8  | 12P0232 | 2.03 | 1.77 |
| ● TD-106-G-A | 12 | 12P0236 | 3.05 | 2.66 |
| ● TD-108-G-A | 16 | 12P0240 | 3.46 | 3.03 |
| ● TD-110-G-A | 20 | 12P0244 | 4.33 | 3.79 |
| ● TD-112-G-A | 24 | 12P0248 | 3.98 | 3.62 |
| ● TD-114-G-A | 28 | 12P0252 | 6.04 | 5.29 |
| ● TD-116-G-A | 32 | 12P0256 | 5.67 | 5.06 |
| ● TD-118-G-A | 36 | 12P0260 | 6.38 | 5.70 |
| ● TD-120-G-A | 40 | 12P0264 | 7.10 | 6.33 |

TD SERIES DOUBLE ROW TERMINAL STRIPS - TIN PLATED

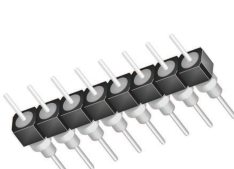
|                  |    |         |     |     |
|------------------|----|---------|-----|-----|
| ● TD-110-T-D-1-2 | 20 | 84P6094 | --- | --- |
|------------------|----|---------|-----|-----|

(136031)

2.54mm (0.100") BBL AND BBS SERIES SINGLE ROW INTERCONNECT STRIPS



BBS Standard



BBL Low Profile

CONTINUED

2.54mm (0.100") BBL AND BBS SERIES SINGLE ROW INTERCONNECT STRIPS (CONT.)

- Contact Termination: Through hole
- Insulator Material: Black glass filled polyester
- Current Rating: 1A
- Temperature Range: -55° to +125°C

- Terminal: 20u" Gold plated Phosphor bronze
- Mates with: SL, SS, HSS, ESS series

BBS SERIES STANDARD HEADERS

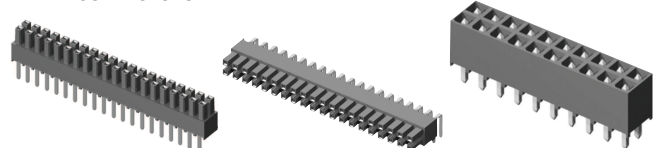
| Mfg. Part No. | Positions | Lead Style (mm) | Stock No. | Price Each |       |
|---------------|-----------|-----------------|-----------|------------|-------|
|               |           |                 |           | 1-9        | 10-99 |
| ● BBS-102-G-A | 2         | 5.33            | 11P3137   | ---        | ---   |
| ● BBS-104-G-A | 4         | 5.33            | 11P3141   | 1.75       | 1.53  |
| ● BBS-106-G-A | 6         | 5.33            | 11P3145   | 1.83       | 1.71  |
| ● BBS-108-G-A | 8         | 5.33            | 11P3149   | 3.00       | 2.62  |
| ● BBS-110-G-A | 10        | 5.33            | 11P3153   | 2.85       | 2.60  |
| ● BBS-112-G-A | 12        | 5.33            | 11P3157   | 3.41       | 3.11  |
| ● BBS-114-G-A | 14        | 5.33            | 11P3161   | 5.23       | 4.57  |
| ● BBS-116-G-A | 16        | 5.33            | 11P3165   | 4.57       | 4.15  |
| ● BBS-118-G-A | 18        | 5.33            | 11P3169   | 6.70       | 5.86  |
| ● BBS-120-G-A | 20        | 5.33            | 26K2300   | 5.19       | 4.59  |
| ● BBS-132-G-A | 32        | 5.33            | 11P3196   | 8.79       | 7.84  |

BBL SERIES LOW PROFILE HEADERS

|               |    |      |         |      |      |
|---------------|----|------|---------|------|------|
| ● BBL-102-G-E | 2  | 1.78 | 11P3013 | 1.01 | 0.89 |
| ● BBL-104-G-E | 4  | 1.78 | 30C2590 | 1.22 | 1.15 |
| ● BBL-106-G-E | 6  | 1.78 | 11P3028 | 1.63 | 1.52 |
| ● BBL-108-G-E | 8  | 1.78 | 11P3036 | 2.29 | 2.09 |
| ● BBL-110-G-E | 10 | 1.78 | 11P3044 | 3.73 | 3.26 |
| ● BBL-112-G-E | 12 | 1.78 | 11P3052 | 3.05 | 2.78 |
| ● BBL-114-G-E | 14 | 1.78 | 11P3060 | ---  | ---  |
| ● BBL-116-G-E | 16 | 1.78 | 67K7659 | 4.08 | 3.70 |
| ● BBL-118-G-E | 18 | 1.78 | 11P3075 | 6.70 | 5.86 |
| ● BBL-120-G-E | 20 | 1.78 | 11P3083 | 6.09 | 5.44 |
| ● BBL-132-G-E | 32 | 1.78 | 11P3131 | 6.64 | 5.87 |
| ● BBL-102-G-F | 2  | 2.16 | 11P3014 | 1.05 | 0.93 |
| ● BBL-104-G-F | 4  | 2.16 | 11P3021 | 1.82 | 1.59 |
| ● BBL-106-G-F | 6  | 2.16 | 11P3029 | 2.73 | 2.38 |
| ● BBL-108-G-F | 8  | 2.16 | 11P3037 | 3.10 | 2.72 |
| ● BBL-110-G-F | 10 | 2.16 | 11P3045 | 2.98 | 2.71 |
| ● BBL-112-G-F | 12 | 2.16 | 11P3053 | 4.66 | 4.08 |
| ● BBL-114-G-F | 14 | 2.16 | 11P3061 | 5.42 | 4.74 |
| ● BBL-116-G-F | 16 | 2.16 | 11P3068 | 6.21 | 5.43 |
| ● BBL-118-G-F | 18 | 2.16 | 11P3076 | 5.71 | 5.10 |
| ● BBL-120-G-F | 20 | 2.16 | 11P3084 | 6.36 | 5.68 |
| ● BBL-132-G-F | 32 | 2.16 | 11P3132 | 8.51 | 7.51 |

(136017)

2.54mm (0.100") IPT1 AND IPS1 SERIES MINI MATE® CONNECTORS



IPS1 Vertical

IPS1 Right Angle

IPT1 Vertical

Mini Mate® connectors feature black liquid crystal polymer housing with phosphor bronze contacts, 30u" gold on contact area, matte tin on tail. Current rating: 5.2A @ 20°C, 4.6A @ 40°C, 4.0A @ 60°C, 2.7A @ 95°C; 2x3 cluster powered. Operating temperature range -55°C to +125°C. Voltage rating: 550 VAC. Mated height 11.05mm (0.435")

IPS1 SERIES MINI MATE® CONNECTORS - VERTICAL

| Mfg. Part No.     | Positions | Stock No. | Price Each |       |
|-------------------|-----------|-----------|------------|-------|
|                   |           |           | 1-9        | 10-99 |
| ● IPS1-105-01-S-D | 10        | 11P5087   | 3.43       | 3.00  |
| ● IPS1-110-01-S-D | 20        | 11P5090   | 3.83       | 3.49  |
| ● IPS1-115-01-S-D | 30        | 11P5093   | 5.99       | 5.24  |

IPS1 SERIES MINI MATE® CONNECTORS - RIGHT ANGLE

|                      |    |         |      |      |
|----------------------|----|---------|------|------|
| ● IPS1-105-01-S-D-RA | 10 | 11P5088 | 2.89 | 2.64 |
| ● IPS1-110-01-S-D-RA | 20 | 11P5091 | 5.04 | 4.41 |
| ● IPS1-115-01-S-D-RA | 30 | 11P5094 | ---  | ---  |

IPT1 SERIES MINI MATE® CONNECTORS - VERTICAL

|                   |    |         |      |      |
|-------------------|----|---------|------|------|
| ● IPT1-105-01-S-D | 10 | 11P5102 | 3.49 | 3.05 |
| ● IPT1-110-01-S-D | 20 | 11P5105 | 4.63 | 4.05 |
| ● IPT1-115-01-S-D | 30 | 11P5108 | ---  | ---  |

IPT1 SERIES MINI MATE® CONNECTORS - RIGHT ANGLE

|                      |    |         |      |      |
|----------------------|----|---------|------|------|
| ● IPT1-105-01-S-D-RA | 10 | 11P5103 | 3.84 | 3.36 |
| ● IPT1-110-01-S-D-RA | 20 | 11P5106 | 5.09 | 4.45 |
| ● IPT1-115-01-S-D-RA | 30 | 11P5109 | 5.12 | 4.66 |

(136056)



**2.54mm (0.100") SSA SERIES SINGLE ROW RECEPTACLES**



Single row receptacles feature black high temperature PET polyester housing with snap strip and double side-wipe gold plated phosphor bronze contacts. Standoffs allow for easy board cleaning. Current Rating: 1A. Operating temperature range: -55°C to +125°C. Flammability rating: UL 94V-0. Mates with: TS, HTS, BBS, BBL, BHS, LBS series.

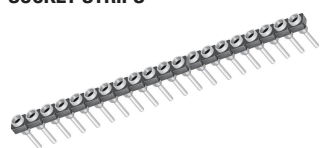


**SSA SERIES SINGLE ROW RECEPTACLES**

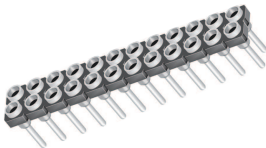
| Mfg. Part No. | Positions | Stock No. | Price Each |       |
|---------------|-----------|-----------|------------|-------|
|               |           |           | 1-9        | 10-99 |
| ● SSA-102-S-G | 2         | 11P7661   | 0.33       | 0.32  |
| ● SSA-104-S-G | 4         | 11P7673   | 0.96       | 0.85  |
| ● SSA-106-S-G | 6         | 11P7685   | 1.44       | 1.27  |
| ● SSA-108-S-G | 8         | 11P7697   | 1.17       | 1.09  |
| ● SSA-110-S-G | 10        | 11P7709   | 2.08       | 1.82  |
| ● SSA-112-S-G | 12        | 11P7721   | 2.50       | 2.18  |
| ● SSA-114-S-G | 14        | 11P7733   | ---        | ---   |
| ● SSA-116-S-G | 16        | 11P7744   | ---        | ---   |
| ● SSA-118-S-G | 18        | 11P7756   | 3.21       | 2.81  |
| ● SSA-120-S-G | 20        | 11P7767   | 3.57       | 3.12  |
| ● SSA-122-S-G | 22        | 11P7779   | ---        | ---   |
| ● SSA-124-S-G | 24        | 11P7790   | 3.27       | 2.98  |
| ● SSA-125-S-G | 25        | 11P7796   | 4.44       | 3.88  |
| ● SSA-126-S-G | 26        | 11P7802   | 4.63       | 4.05  |
| ● SSA-128-S-G | 28        | 11P7813   | 4.98       | 4.36  |
| ● SSA-130-S-G | 30        | 11P7824   | ---        | ---   |
| ● SSA-132-S-G | 32        | 94B9305   | 4.82       | 4.22  |

(136035)

**2.54mm (0.100") SL AND SDL SERIES LOW PROFILE SOCKET STRIPS**



Single Row



Dual Row

**Specifications:**

- Current Rating: 1A
- Pitch Spacing: 2.54mm
- Insulator Material: Black glass filled polyester
- Contact/Shell Materials: Beryllium Copper/Brass
- Plating: 30u" Gold on contact area, tin shell
- Operating Temperature: -55°C to +125°C
- Contact Resistance: 10mΩ max
- Insertion Force: 9oz (2.50N)
- Withdrawal Force: 2.5oz (0.70N)

**Features:**

- Achieve low profile without sacrificing insertion depth
- Choice of four precision screw machined lead styles
- Exceptionally low profile down to 2.11mm (0.083") off of board
- Mate with BBL or BDL for board stacking spaces down to 3.89mm (0.153")
- Mates with: TS, TD, HTS, BBS, BBD, BBL, BDL, BHS series

**SL LOW PROFILE (HOLLOW LEG) - SINGLE ROW, 2.11mm CONTACTS**

| Mfg. Part No. | Positions | Stock No. | Price Each |       |
|---------------|-----------|-----------|------------|-------|
|               |           |           | 1-9        | 10-99 |
| ● SL-102-T-10 | 2         | 11P6568   | 0.61       | 0.55  |
| ● SL-104-T-10 | 4         | 11P6584   | ---        | ---   |
| ● SL-106-T-10 | 6         | 11P6601   | 1.63       | 1.43  |
| ● SL-108-T-10 | 8         | 11P6618   | 1.88       | 1.64  |
| ● SL-110-T-10 | 10        | 11P6636   | 2.35       | 2.05  |
| ● SL-112-T-10 | 12        | 11P6654   | 2.82       | 2.46  |
| ● SL-114-T-10 | 14        | 11P6672   | 2.15       | 1.96  |
| ● SL-116-T-10 | 16        | 11P6690   | 3.21       | 2.81  |
| ● SL-118-T-10 | 18        | 11P6708   | ---        | ---   |
| ● SL-120-T-10 | 20        | 11P6726   | ---        | ---   |
| ● SL-122-T-10 | 22        | 11P6744   | 4.41       | 3.86  |
| ● SL-124-T-10 | 24        | 11P6762   | ---        | ---   |
| ● SL-126-T-10 | 26        | 11P6780   | 5.20       | 4.56  |
| ● SL-128-T-10 | 28        | 11P6798   | 5.61       | 4.91  |
| ● SL-130-T-10 | 30        | 11P6815   | ---        | ---   |
| ● SL-132-T-10 | 32        | 11P6833   | 4.16       | 3.79  |

**SL MICRO-SOCKET (HOLLOW LEG) - SINGLE ROW, 1.58mm CONTACTS**

|               |    |         |      |      |
|---------------|----|---------|------|------|
| ● SL-102-T-12 | 2  | 11P6570 | 0.75 | 0.68 |
| ● SL-104-T-12 | 4  | 11P6586 | 0.89 | 0.82 |
| ● SL-106-T-12 | 6  | 11P6603 | 1.22 | 1.15 |
| ● SL-108-T-12 | 8  | 11P6620 | 2.33 | 2.03 |
| ● SL-110-T-12 | 10 | 11P6638 | 2.91 | 2.54 |
| ● SL-112-T-12 | 12 | 11P6656 | 2.03 | 1.85 |
| ● SL-114-T-12 | 14 | 11P6674 | 2.67 | 2.43 |
| ● SL-116-T-12 | 16 | 11P6692 | 3.98 | 3.48 |
| ● SL-118-T-12 | 18 | 11P6710 | ---  | ---  |

→ CONTINUED →

**2.54mm (0.100") SL AND SDL SERIES LOW PROFILE SOCKET STRIPS (CONT.)**

**SL MICRO-SOCKET (HOLLOW LEG) - SINGLE ROW, 1.58mm CONTACTS**

| Mfg. Part No. | Positions | Stock No. | Price Each |       |
|---------------|-----------|-----------|------------|-------|
|               |           |           | 1-9        | 10-99 |
| ● SL-120-T-12 | 20        | 11P6728   | 4.95       | 4.34  |
| ● SL-122-T-12 | 22        | 11P6746   | 5.44       | 4.76  |
| ● SL-124-T-12 | 24        | 11P6764   | ---        | ---   |
| ● SL-126-T-12 | 26        | 11P6782   | ---        | ---   |
| ● SL-128-T-12 | 28        | 11P6800   | 5.69       | 5.08  |
| ● SL-130-T-12 | 30        | 11P6817   | 6.09       | 5.44  |
| ● SL-132-T-12 | 32        | 11P6834   | 5.15       | 4.68  |

**SDL LOW PROFILE (HOLLOW LEG) - DOUBLE ROW, 2.11mm CONTACTS**

|                |    |         |      |      |
|----------------|----|---------|------|------|
| ● SDL-102-T-10 | 4  | 11P6178 | 1.09 | 0.96 |
| ● SDL-104-T-10 | 8  | 11P6196 | 1.88 | 1.64 |
| ● SDL-106-T-10 | 12 | 11P6214 | 2.82 | 2.46 |
| ● SDL-108-T-10 | 16 | 11P6232 | 3.21 | 2.81 |
| ● SDL-110-G-10 | 20 | 11P6247 | 5.63 | 4.93 |
| ● SDL-112-T-10 | 24 | 11P6267 | ---  | ---  |
| ● SDL-114-T-10 | 28 | 11P6285 | 5.61 | 4.91 |
| ● SDL-116-T-10 | 32 | 11P6303 | ---  | ---  |
| ● SDL-118-T-10 | 36 | 11P6321 | 5.91 | 5.29 |
| ● SDL-120-T-10 | 40 | 11P6334 | ---  | ---  |

**SDL MICRO-SOCKET (HOLLOW LEG) - DOUBLE ROW, 1.58mm CONTACTS**

|                |    |         |      |      |
|----------------|----|---------|------|------|
| ● SDL-102-T-12 | 4  | 11P6180 | 1.34 | 1.18 |
| ● SDL-104-T-12 | 8  | 11P6198 | 2.33 | 2.03 |
| ● SDL-106-T-12 | 12 | 11P6216 | 2.97 | 2.60 |
| ● SDL-108-T-12 | 16 | 11P6234 | 3.98 | 3.48 |
| ● SDL-110-G-12 | 20 | 11P6249 | 5.71 | 5.10 |
| ● SDL-112-T-12 | 24 | 11P6269 | 5.93 | 5.19 |
| ● SDL-114-T-12 | 28 | 11P6287 | 5.69 | 5.08 |
| ● SDL-116-T-12 | 32 | 11P6305 | 6.49 | 5.79 |
| ● SDL-118-T-12 | 36 | 11P6323 | 7.30 | 6.51 |
| ● SDL-120-T-12 | 40 | 11P6336 | 8.12 | 7.25 |

(136043)

**2.54mm (0.100") SS SERIES SINGLE ROW RECEPTACLES**



Single row receptacles feature black G.F. polyester housing with beryllium copper contacts. Current Rating: 1A. Operating temperature range: -55°C to +125°C. N suffix indicates non flush. Mates with: TS, TD, HTS, BBS, BBD, BBL, BDL, BHS series.



**SS SERIES SINGLE ROW RECEPTACLES - 30u" (0.76µm) GOLD CONTACT, TIN SHELL**

| Mfg. Part No.  | Positions | Stock No. | Price Each |       |
|----------------|-----------|-----------|------------|-------|
|                |           |           | 1-9        | 10-99 |
| ● SS-104-T-2-N | 4         | 11P7511   | 0.90       | 0.81  |
| ● SS-105-T-2-N | 5         | 11P7517   | ---        | ---   |
| ● SS-106-T-2-N | 6         | 11P7523   | 0.80       | 0.73  |
| ● SS-107-T-2-N | 7         | 11P7529   | ---        | ---   |
| ● SS-108-T-2-N | 8         | 11P7535   | 1.62       | 1.42  |
| ● SS-110-T-2-N | 10        | 11P7545   | 1.75       | 1.53  |
| ● SS-112-T-2-N | 12        | 11P7556   | 2.10       | 1.83  |
| ● SS-114-T-2-N | 14        | 11P7566   | 2.45       | 2.15  |
| ● SS-116-T-2-N | 16        | 11P7577   | 2.80       | 2.44  |
| ● SS-118-T-2-N | 18        | 11P7587   | ---        | ---   |
| ● SS-120-T-2-N | 20        | 11P7595   | 3.00       | 2.62  |
| ● SS-125-T-2-N | 25        | 11P7620   | ---        | ---   |
| ● SS-130-T-2-N | 30        | 11P7643   | ---        | ---   |
| ● SS-132-T-2-N | 32        | 11P7652   | 4.06       | 3.56  |

**SS SERIES SINGLE ROW RECEPTACLES - TIN CONTACT AND SHELL**

|                 |    |         |      |      |
|-----------------|----|---------|------|------|
| ● SS-108-TT-2-N | 8  | 11P7537 | ---  | ---  |
| ● SS-110-TT-2-N | 10 | 11P7547 | 1.10 | 0.97 |
| ● SS-112-TT-2-N | 12 | 11P7558 | 1.32 | 1.16 |

(136034)

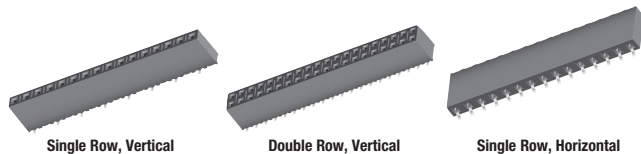
**Keep current on local/global legislation**

One source for the latest news on environmental laws, and expert answers to your questions.  
[www.element14.com/legislation](http://www.element14.com/legislation)

(196540)

PC BOARD HEADERS & SOCKETS

2.54mm (0.100") SSM SERIES RECEPTACLES



Surface mount receptacles feature black liquid crystal polymer housing. Contacts: phosphor bronze, 10µm (0.25µm) gold on contact area, matte tin on tail. Current rating: 3A @ 80°C (-DV/-SV mated with TSM-DV); 4A @ 80°C (-DH/-SH mated with TSW-D). Operating temperature range: -55°C to +125°C. Mates with: TSW, MTSW, TST, TSS, ZST, ZSS, DW, EW, ZW, TSM series.

SSM SERIES RECEPTACLES - SINGLE ROW, VERTICAL

| Mfg. Part No.  | Positions | Stock No. | Price Each |       |
|----------------|-----------|-----------|------------|-------|
|                |           |           | 1-9        | 10-99 |
| ● SSM-102-L-SV | 2         | 11P7843   | 0.78       | 0.71  |
| ● SSM-104-L-SV | 4         | 11P7859   | 1.71       | 1.51  |
| ● SSM-106-L-SV | 6         | 11P7875   | 1.49       | 1.39  |
| ● SSM-108-L-SV | 8         | 11P7891   | 2.23       | 1.94  |
| ● SSM-110-L-SV | 10        | 11P7907   | 1.45       | 1.45  |
| ● SSM-112-L-SV | 12        | 11P7922   | ---        | ---   |
| ● SSM-114-L-SV | 14        | 11P7937   | 2.78       | 2.43  |
| ● SSM-120-L-SV | 20        | 11P7983   | 3.95       | 3.46  |

SSM SERIES RECEPTACLES - DOUBLE ROW, VERTICAL

|                |     |         |      |       |
|----------------|-----|---------|------|-------|
| ● SSM-102-L-DV | 4   | 11P7841 | 1.78 | 1.56  |
| ● SSM-103-L-DV | 6   | 11P7849 | 1.52 | 1.42  |
| ● SSM-104-L-DV | 8   | 11P7857 | 2.58 | 2.25  |
| ● SSM-105-L-DV | 10  | 11P7865 | 3.02 | 2.64  |
| ● SSM-106-L-DV | 12  | 11P7873 | 2.89 | 2.53  |
| ● SSM-110-L-DV | 20  | 11P7905 | 3.43 | 3.00  |
| ● SSM-115-L-DV | 30  | 11P7943 | 5.15 | 4.50  |
| ● SSM-120-L-DV | 40  | 11P7981 | 4.78 | 4.22  |
| ● SSM-125-L-DV | 50  | 11P8019 | 5.97 | 5.27  |
| ● SSM-130-L-DV | 60  | 11P8054 | ---  | ---   |
| ● SSM-135-L-DV | 70  | 11P8087 | ---  | ---   |
| ● SSM-140-L-DV | 80  | 11P8105 | 8.82 | 8.32  |
| ● SSM-150-L-DV | 100 | 11P8112 | 9.15 | 10.40 |

SSM SERIES RECEPTACLES - SINGLE ROW, HORIZONTAL

|                |    |         |      |      |
|----------------|----|---------|------|------|
| ● SSM-102-L-SH | 2  | 11P7842 | ---  | ---  |
| ● SSM-104-L-SH | 4  | 11P7858 | 1.29 | 1.20 |
| ● SSM-106-L-SH | 6  | 11P7874 | 1.69 | 1.58 |
| ● SSM-108-L-SH | 8  | 11P7890 | ---  | ---  |
| ● SSM-110-L-SH | 10 | 11P7906 | 2.88 | 2.52 |
| ● SSM-112-L-SH | 12 | 11P7921 | 2.18 | 1.99 |
| ● SSM-114-L-SH | 14 | 11P7936 | 3.46 | 3.03 |
| ● SSM-120-L-SH | 20 | 11P7982 | 4.93 | 4.31 |

SSM SERIES RECEPTACLES - DOUBLE ROW, HORIZONTAL

|                |     |         |       |       |
|----------------|-----|---------|-------|-------|
| ● SSM-102-L-DH | 4   | 11P7840 | 2.21  | 1.93  |
| ● SSM-103-L-DH | 6   | 11P7848 | 1.69  | 1.57  |
| ● SSM-104-L-DH | 8   | 11P7856 | ---   | ---   |
| ● SSM-105-L-DH | 10  | 11P7864 | 3.21  | 2.81  |
| ● SSM-106-L-DH | 12  | 11P7872 | 3.59  | 3.15  |
| ● SSM-110-L-DH | 20  | 11P7904 | 4.27  | 3.74  |
| ● SSM-115-L-DH | 30  | 11P7942 | 6.40  | 5.60  |
| ● SSM-120-L-DH | 40  | 11P7980 | ---   | ---   |
| ● SSM-125-L-DH | 50  | 11P8018 | 8.75  | 7.80  |
| ● SSM-130-L-DH | 60  | 11P8053 | 10.49 | 9.36  |
| ● SSM-135-L-DH | 70  | 11P8086 | ---   | ---   |
| ● SSM-140-L-DH | 80  | 11P8104 | 10.98 | 10.35 |
| ● SSM-150-L-DH | 100 | 11P8111 | 11.37 | 12.92 |

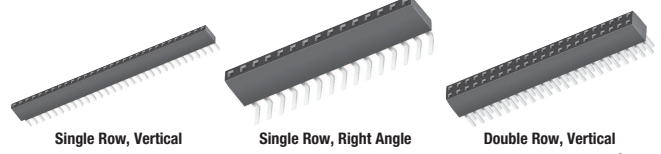
(138036)

Visit Newark's element14 community

Get inspired at our electronics community. Collaborate, design, research, ask experts questions. [www.element14.com](http://www.element14.com)

(196545)

2.54mm (0.100") SSQ AND SSW SERIES RECEPTACLES



Socket strips feature black liquid crystal polymer housing. Contacts: Phosphor bronze with 0.51µm (20µ") Gold on contact, Gold flash on tail. Current rating: 5.5A @ 20°C, 5.0A @ 40°C, 4.0A @ 60°C, 3.0A @ 80°C. Operating temperature range: -55°C to +125°C w/ gold, -55°C to +105°C w/ tin. Mates with: TSW, MTSW, MTLW, LCW, EW, ZW, TSS, ZSS, TSM, TSSH series.

| Lead Style | Single & Double Row Tail Lengths |                 |
|------------|----------------------------------|-----------------|
|            | Straight                         | Right Angle     |
|            | -01                              | 2.64mm (0.104") |
| -02        | 4.93mm (0.194")                  | 2.54mm (0.100") |

SSQ SERIES SQUARE TAIL RECEPTACLES - SINGLE ROW, THROUGH HOLE VERTICAL

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● SSQ-102-01-G-S | 2         | 11P8135   | 0.96       | 0.85  |
| ● SSQ-103-01-G-S | 3         | 66M8039   | 1.20       | 1.06  |
| ● SSQ-104-01-G-S | 4         | 11P8192   | 0.99       | 0.91  |
| ● SSQ-106-01-G-S | 6         | 11P8251   | 1.60       | 1.41  |
| ● SSQ-108-01-G-S | 8         | 11P8310   | 1.85       | 1.61  |
| ● SSQ-110-01-G-S | 10        | 11P8368   | 1.61       | 1.50  |
| ● SSQ-112-01-G-S | 12        | 11P8424   | 1.73       | 1.73  |
| ● SSQ-114-01-G-S | 14        | 11P8480   | 2.75       | 2.41  |
| ● SSQ-116-01-G-S | 16        | 11P8538   | ---        | ---   |
| ● SSQ-118-01-G-S | 18        | 11P8593   | 3.54       | 3.10  |
| ● SSQ-120-01-G-S | 20        | 11P8645   | 3.95       | 3.46  |

SSQ SERIES SQUARE TAIL RECEPTACLES - SINGLE ROW, THROUGH HOLE RIGHT-ANGLE

|                     |    |         |      |      |
|---------------------|----|---------|------|------|
| ● SSQ-102-02-G-S-RA | 2  | 11P8143 | 1.09 | 0.96 |
| ● SSQ-104-02-G-S-RA | 4  | 11P8200 | 1.70 | 1.50 |
| ● SSQ-106-02-G-S-RA | 6  | 11P8258 | 1.31 | 1.21 |
| ● SSQ-108-02-G-S-RA | 8  | 11P8318 | 2.10 | 1.83 |
| ● SSQ-110-02-G-S-RA | 10 | 11P8375 | 2.63 | 2.29 |
| ● SSQ-112-02-G-S-RA | 12 | 11P8432 | 2.20 | 2.05 |
| ● SSQ-114-02-G-S-RA | 14 | 11P8488 | 2.15 | 1.95 |
| ● SSQ-116-02-G-S-RA | 16 | 11P8546 | 2.45 | 2.23 |
| ● SSQ-118-02-G-S-RA | 18 | 11P8601 | 4.03 | 3.53 |
| ● SSQ-120-02-G-S-RA | 20 | 11P8653 | 4.46 | 3.91 |

SSQ SERIES SQUARE TAIL RECEPTACLES - DOUBLE ROW, THROUGH HOLE VERTICAL

|                  |     |         |       |      |
|------------------|-----|---------|-------|------|
| ● SSQ-102-01-G-D | 4   | 11P8134 | 1.64  | 1.44 |
| ● SSQ-103-01-G-D | 6   | 11P8163 | 1.77  | 1.56 |
| ● SSQ-104-01-G-D | 8   | 11P8191 | 2.21  | 1.92 |
| ● SSQ-106-01-G-D | 12  | 66M8046 | 2.37  | 2.06 |
| ● SSQ-107-01-G-D | 14  | 11P8279 | 1.73  | 1.73 |
| ● SSQ-108-01-G-D | 16  | 11P8309 | 2.20  | 2.05 |
| ● SSQ-109-01-G-D | 18  | 11P8339 | 3.02  | 2.65 |
| ● SSQ-110-01-G-D | 20  | 11P8367 | 3.35  | 2.93 |
| ● SSQ-115-01-G-D | 30  | 11P8509 | 5.04  | 4.41 |
| ● SSQ-120-01-G-D | 40  | 11P8644 | 6.70  | 5.86 |
| ● SSQ-125-01-G-D | 50  | 11P8776 | 5.60  | 4.74 |
| ● SSQ-130-01-G-D | 60  | 11P8899 | 6.99  | 6.18 |
| ● SSQ-135-01-G-D | 70  | 11P9022 | 9.62  | 8.58 |
| ● SSQ-140-01-G-D | 80  | 11P9121 | 10.98 | 9.79 |
| ● SSQ-145-01-G-D | 90  | 11P9217 | 9.70  | 9.15 |
| ● SSQ-150-01-G-D | 100 | 11P9301 | 10.98 | 9.79 |

SSW SERIES SOLDER TAIL RECEPTACLES - SINGLE ROW, THROUGH HOLE VERTICAL

|                  |    |         |      |      |
|------------------|----|---------|------|------|
| ● SSW-102-01-G-S | 2  | 11P9340 | ---  | ---  |
| ● SSW-103-01-G-S | 3  | 11P9357 | 1.09 | 0.96 |
| ● SSW-104-01-G-S | 4  | 11P9373 | 1.35 | 1.19 |
| ● SSW-106-01-G-S | 6  | 11P9405 | 1.45 | 1.29 |
| ● SSW-108-01-G-S | 8  | 11P9439 | 1.68 | 1.46 |
| ● SSW-110-01-G-S | 10 | 11P9471 | 1.31 | 1.31 |
| ● SSW-114-01-G-S | 14 | 11P9538 | 2.94 | 2.57 |
| ● SSW-116-01-G-S | 16 | 30C1590 | 2.40 | 2.18 |
| ● SSW-118-01-G-S | 18 | 30C1592 | 3.21 | 2.81 |
| ● SSW-102-02-G-S | 2  | 11P9347 | 1.01 | 0.90 |
| ● SSW-104-02-G-S | 4  | 11P9380 | 1.40 | 1.23 |
| ● SSW-106-02-G-S | 6  | 11P9412 | 1.50 | 1.32 |
| ● SSW-108-02-G-S | 8  | 11P9445 | ---  | ---  |

CONTINUED

PC BOARD HEADERS & SOCKETS

2.54mm (0.100") SSQ AND SSW SERIES RECEPTACLES (CONT.)

SSW SERIES SOLDER TAIL RECEPTACLES - SINGLE ROW, THROUGH HOLE VERTICAL

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● SSW-110-02-G-S | 10        | 11P9478   | 2.17       | 1.89  |
| ● SSW-112-02-G-S | 12        | 11P9511   | 1.62       | 1.51  |
| ● SSW-114-02-G-S | 14        | 11P9545   | ---        | ---   |
| ● SSW-116-02-G-S | 16        | 11P9575   | 2.27       | 2.08  |
| ● SSW-118-02-G-S | 18        | 11P9604   | 3.32       | 2.91  |
| ● SSW-120-02-G-S | 20        | 11P9637   | 2.83       | 2.58  |

SSW SERIES SOLDER TAIL RECEPTACLES - SINGLE ROW, THROUGH HOLE RIGHT-ANGLE

|                     |    |         |      |      |
|---------------------|----|---------|------|------|
| ● SSW-102-02-G-S-RA | 2  | 11P9348 | 0.99 | 0.88 |
| ● SSW-103-02-G-S-RA | 3  | 11P9364 | 0.82 | 0.75 |
| ● SSW-104-02-G-S-RA | 4  | 11P9381 | 1.54 | 1.36 |
| ● SSW-105-02-G-S-RA | 5  | 11P9397 | 1.58 | 1.39 |
| ● SSW-106-02-G-S-RA | 6  | 11P9413 | 1.09 | 1.00 |
| ● SSW-107-02-G-S-RA | 7  | 11P9430 | 1.04 | 1.04 |
| ● SSW-108-02-G-S-RA | 8  | 11P9446 | 1.33 | 1.24 |
| ● SSW-109-02-G-S-RA | 9  | 11P9462 | 1.34 | 1.25 |
| ● SSW-110-02-G-S-RA | 10 | 11P9479 | ---  | ---  |
| ● SSW-111-02-G-S-RA | 11 | 11P9495 | 2.62 | 2.29 |
| ● SSW-112-02-G-S-RA | 12 | 11P9512 | 2.00 | 1.86 |
| ● SSW-113-02-G-S-RA | 13 | 11P9529 | 2.16 | 2.01 |
| ● SSW-114-02-G-S-RA | 14 | 11P9546 | 2.86 | 2.50 |
| ● SSW-120-02-G-S-RA | 20 | 11P9638 | 4.06 | 3.56 |

SSW SERIES SOLDER TAIL RECEPTACLES - DOUBLE ROW, THROUGH HOLE VERTICAL

|                  |     |         |       |      |
|------------------|-----|---------|-------|------|
| ● SSW-104-01-G-D | 8   | 11P9372 | 1.53  | 1.43 |
| ● SSW-106-01-G-D | 12  | 11P9404 | 2.15  | 1.87 |
| ● SSW-107-01-G-D | 14  | 11P9421 | 2.50  | 2.18 |
| ● SSW-108-01-G-D | 16  | 11P9438 | 2.00  | 1.86 |
| ● SSW-110-01-G-D | 20  | 11P9470 | 3.05  | 2.67 |
| ● SSW-115-01-G-D | 30  | 58M3429 | 4.57  | 4.00 |
| ● SSW-120-01-G-D | 40  | 50M2393 | 6.10  | 5.34 |
| ● SSW-125-01-G-D | 50  | 11P9714 | 5.29  | 4.67 |
| ● SSW-130-01-G-D | 60  | 58M3430 | 6.35  | 5.61 |
| ● SSW-140-01-G-D | 80  | 11P9945 | 9.97  | 8.90 |
| ● SSW-150-01-G-D | 100 | 12P0061 | 9.97  | 8.90 |
| ● SSW-102-02-G-D | 4   | 11P9345 | 0.90  | 0.83 |
| ● SSW-104-02-S-D | 8   | 11P9382 | 2.16  | 1.88 |
| ● SSW-105-02-G-D | 10  | 11P9394 | 2.13  | 1.85 |
| ● SSW-106-02-G-D | 12  | 11P9410 | ---   | ---  |
| ● SSW-107-02-G-D | 14  | 11P9427 | ---   | ---  |
| ● SSW-108-02-G-D | 16  | 11P9443 | 2.95  | 2.58 |
| ● SSW-109-02-G-D | 18  | 11P9459 | 2.83  | 2.48 |
| ● SSW-110-02-G-D | 20  | 11P9476 | 3.16  | 2.76 |
| ● SSW-115-02-G-D | 30  | 11P9559 | 4.71  | 4.12 |
| ● SSW-120-02-G-D | 40  | 11P9635 | 6.29  | 5.50 |
| ● SSW-125-02-G-D | 50  | 11P9719 | 5.48  | 4.84 |
| ● SSW-130-02-G-D | 60  | 11P9800 | 7.72  | 6.89 |
| ● SSW-135-02-G-D | 70  | 11P9882 | ---   | ---  |
| ● SSW-140-02-G-D | 80  | 11P9951 | 10.29 | 9.18 |
| ● SSW-150-02-G-D | 100 | 12P0067 | 8.74  | 7.71 |

SSW SERIES SOLDER TAIL RECEPTACLES - DOUBLE ROW, THROUGH HOLE RIGHT-ANGLE

|                     |     |         |       |      |
|---------------------|-----|---------|-------|------|
| ● SSW-102-02-G-D-RA | 4   | 11P9346 | 1.69  | 1.49 |
| ● SSW-103-02-G-D-RA | 6   | 11P9362 | 1.83  | 1.59 |
| ● SSW-104-02-G-D-RA | 8   | 11P9379 | 2.29  | 1.98 |
| ● SSW-105-02-G-D-RA | 10  | 11P9395 | 2.34  | 2.04 |
| ● SSW-106-02-G-D-RA | 12  | 11P9411 | ---   | ---  |
| ● SSW-107-02-G-D-RA | 14  | 11P9428 | 1.98  | 1.85 |
| ● SSW-108-02-G-D-RA | 16  | 11P9444 | 2.13  | 1.94 |
| ● SSW-109-02-G-D-RA | 18  | 11P9460 | 3.13  | 2.74 |
| ● SSW-110-02-G-D-RA | 20  | 11P9477 | 3.46  | 3.03 |
| ● SSW-115-02-G-D-RA | 30  | 11P9560 | 5.20  | 4.56 |
| ● SSW-120-02-G-D-RA | 40  | 11P9636 | 5.67  | 5.06 |
| ● SSW-125-02-G-D-RA | 50  | 11P9720 | 7.08  | 6.31 |
| ● SSW-130-02-G-D-RA | 60  | 11P9801 | 8.50  | 7.59 |
| ● SSW-135-02-G-D-RA | 70  | 11P9883 | 9.91  | 8.84 |
| ● SSW-140-02-G-D-RA | 80  | 11P9952 | 8.88  | 8.37 |
| ● SSW-145-02-G-D-RA | 90  | 12P0011 | 10.00 | 9.43 |
| ● SSW-150-02-G-D-RA | 100 | 12P0068 | ---   | ---  |

(136044)

2.54mm (0.100") TLW SERIES LOW PROFILE HEADERS



Single Row



Double Row

These headers provide the ultimate low profile 0.64mm (0.025") square post board stacking system. The high quality terminals are available with 0.105" post height for mating with low profile sockets. Features black liquid crystal polymer housing with gold plated phosphor bronze contacts. Current rating: 3A, Operating temperature range: -55°C to +125°C.

TLW SERIES LOW PROFILE HEADERS - SINGLE ROW

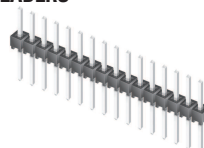
| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-9        | 10-99 |
| ● TLW-102-05-G-S | 2         | 12P0374   | 0.41       | 0.40  |
| ● TLW-103-05-G-S | 3         | 12P0382   | 0.57       | 0.55  |
| ● TLW-104-05-G-S | 4         | 12P0389   | 0.74       | 0.68  |
| ● TLW-105-05-G-S | 5         | 12P0397   | 1.39       | 1.23  |
| ● TLW-106-05-G-S | 6         | 12P0405   | ---        | ---   |
| ● TLW-107-05-G-S | 7         | 12P0413   | 1.69       | 1.47  |
| ● TLW-108-05-G-S | 8         | 12P0421   | 1.35       | 1.25  |
| ● TLW-109-05-G-S | 9         | 12P0429   | 2.17       | 1.89  |
| ● TLW-110-05-G-S | 10        | 12P0437   | 2.41       | 2.10  |
| ● TLW-112-05-G-S | 12        | 12P0452   | ---        | ---   |
| ● TLW-114-05-G-S | 14        | 12P0468   | 2.89       | 2.53  |
| ● TLW-116-05-G-S | 16        | 53M5392   | 3.30       | 2.88  |
| ● TLW-118-05-G-S | 18        | 12P0499   | ---        | ---   |
| ● TLW-120-05-G-S | 20        | 12P0513   | 4.11       | 3.60  |

TLW SERIES LOW PROFILE HEADERS - DOUBLE ROW

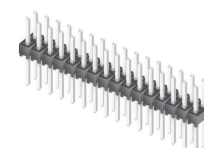
|                  |    |         |       |      |
|------------------|----|---------|-------|------|
| ● TLW-102-05-G-D | 4  | 12P0373 | ---   | ---  |
| ● TLW-103-05-G-D | 6  | 12P0381 | 0.94  | 0.86 |
| ● TLW-104-05-G-D | 8  | 12P0388 | 1.65  | 1.44 |
| ● TLW-105-05-G-D | 10 | 12P0396 | 2.06  | 1.79 |
| ● TLW-106-05-G-D | 12 | 12P0404 | 1.54  | 1.43 |
| ● TLW-107-05-G-D | 14 | 12P0412 | 2.01  | 1.87 |
| ● TLW-108-05-G-D | 16 | 12P0420 | 2.15  | 1.96 |
| ● TLW-109-05-G-D | 18 | 12P0428 | 2.42  | 2.20 |
| ● TLW-110-05-G-D | 20 | 12P0436 | 3.51  | 3.08 |
| ● TLW-115-05-G-D | 30 | 12P0475 | 5.25  | 4.60 |
| ● TLW-120-05-G-D | 40 | 12P0512 | 4.87  | 4.30 |
| ● TLW-125-05-G-D | 50 | 12P0548 | 7.16  | 6.39 |
| ● TLW-130-05-G-D | 60 | 12P0578 | 8.59  | 7.67 |
| ● TLW-135-05-G-D | 70 | 12P0609 | 10.02 | 8.94 |
| ● TLW-136-05-G-D | 72 | 12P0613 | ---   | ---  |

(136060)

2.54mm (0.100") TSW SERIES 0.025" SQUARE HEADERS



Single Row



Dual Row

Features:

- Mates with: SSW, SSQ, ESW, ESQ, BCS, BSW, IDS, IDSS, CES, SLW series

Specifications:

- Current Rating: 7A
- Insulator Material: Black glass filled polyester
- Contact: Gold plated Phosphor bronze
- Operating Temperature: -55°C to +125°C
- Voltage Rating: 550VAC
- -G-: 0.25µm gold on contact area, gold flash on balance
- -L-: 0.25µm gold on contact area, matte tin on tail

TSW SERIES 0.025" SQUARE HEADERS - SINGLE ROW, VERTICAL

| Mfg. Part No.    | Positions | Pin Length (mm) | Stock No. | Price Each |       |
|------------------|-----------|-----------------|-----------|------------|-------|
|                  |           |                 |           | 1-9        | 10-99 |
| ● TSW-106-07-L-S | 6         | 2.54            | 12P1523   | 0.73       | 0.65  |
| ● TSW-102-07-G-S | 2         | 2.54            | 12P1258   | 0.30       | 0.27  |
| ● TSW-103-07-G-S | 3         | 2.54            | 21J6433   | 0.44       | 0.40  |
| ● TSW-104-07-G-S | 4         | 2.54            | 12P1387   | 0.59       | 0.53  |
| ● TSW-108-07-G-S | 8         | 2.54            | 12P1655   | 1.04       | 0.92  |
| ● TSW-109-07-G-S | 9         | 2.54            | 12P1722   | 1.18       | 1.04  |
| ● TSW-110-07-G-S | 10        | 2.54            | 12P1791   | 1.31       | 1.15  |
| ● TSW-114-07-G-S | 14        | 2.54            | 12P2068   | 1.83       | 1.61  |
| ● TSW-116-07-G-S | 16        | 2.54            | 12P2207   | 1.81       | 1.58  |
| ● TSW-118-07-G-S | 18        | 2.54            | 12P2339   | 1.42       | 1.33  |
| ● TSW-120-07-G-S | 20        | 2.54            | 12P2469   | 2.26       | 1.97  |

➔ CONTINUED ➔



## PC BOARD HEADERS &amp; SOCKETS • FLAT/FLEX RIBBON CABLE CONNECTORS

## 2.54mm (0.100") TSW SERIES 0.025" SQUARE HEADERS (CONT.)

## TSW SERIES 0.025" SQUARE HEADERS - DOUBLE ROW, VERTICAL

| Mfg. Part No.    | Positions | Pin Length (mm) | Stock No. | Price Each |       |
|------------------|-----------|-----------------|-----------|------------|-------|
|                  |           |                 |           | 1-9        | 10-99 |
| ● TSW-125-05-G-D | 50        | 3.30            | 12P2769   | 5.36       | 4.69  |
| ● TSW-150-05-L-D | 100       | 3.30            | 12P4121   | 5.80       | 5.18  |
| ● TSW-150-06-L-D | 100       | 2.41            | 12P4129   | 5.80       | 5.18  |
| ● TSW-150-07-L-D | 100       | 2.54            | 12P4137   | 6.37       | 5.57  |
| ● TSW-150-08-G-D | 100       | 5.08            | 12P4143   | 6.47       | 5.78  |
| ● TSW-150-08-L-D | 100       | 5.08            | 12P4147   | 4.99       | 4.56  |
| ● TSW-150-14-L-D | 100       | 2.79            | 12P4160   | 6.53       | 5.72  |
| ● TSW-150-17-L-D | 100       | 2.79            | 12P4168   | 6.40       | 5.72  |
| ● TSW-150-23-L-D | 100       | 2.92            | 12P4176   | 6.70       | 5.86  |
| ● TSW-150-26-L-D | 100       | 3.20            | 12P4184   | 7.54       | 6.73  |

## TSW SERIES 0.025" SQUARE HEADERS - DOUBLE ROW, RIGHT ANGLE

|                     |     |      |         |      |      |
|---------------------|-----|------|---------|------|------|
| ● TSW-150-08-G-D-RA | 100 | 2.29 | 12P4144 | 7.12 | 6.35 |
| ● TSW-150-08-L-D-RA | 100 | 2.29 | 12P4148 | 5.87 | 5.24 |

(136051)

## 0.3MM PITCH FPC CONNECTORS

- Housing material: Thermoplastic
- Contacts: Gold plated copper alloy
- Low profile 1.0mm height
- 3.8 mm width narrow connector for space saving
- FPC is securely connected with easy one touch flip lever actuator



NEW

## FPC ZIF CONNECTORS - SMT RIGHT-ANGLE, STANDARD TYPE - BOTTOM CONTACTS

| Mfg. Part No. | Positions | Flip Lock Type | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|----------------|------------|-----------|------------|-------|
|               |           |                |            |           | 1-24       | 25-99 |
| ● 1746237-7   | 23        | Front          | 9.6        | 17R5037   | ---        | ---   |
| ● 1746237-9   | 27        | Front          | 10.8       | 17R5038   | 0.75       | 0.60  |
| ● 1-1746237-2 | 33        | Front          | 12.6       | 16R9564   | 0.68       | 0.68  |
| ● 1-1746237-3 | 35        | Front          | 13.2       | 16R9565   | 0.54       | 0.51  |
| ● 1-1746237-5 | 39        | Front          | 14.4       | 16R9566   | ---        | ---   |
| ● 1-1746237-8 | 45        | Front          | 16.2       | 16R9567   | ---        | ---   |

## FPC ZIF CONNECTORS - SMT RIGHT-ANGLE, NARROW TYPE - BOTTOM CONTACTS

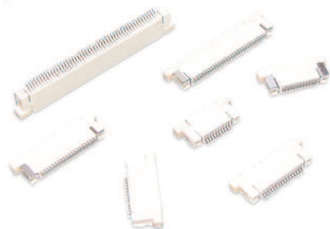
|               |    |       |      |         |      |      |
|---------------|----|-------|------|---------|------|------|
| ● 1827827-8   | 25 | Front | 8.8  | 73R7508 | 1.30 | 1.15 |
| ● 1-1827827-8 | 45 | Front | 14.8 | 73R7497 | 1.88 | 1.71 |
| ● 1-2013496-0 | 29 | Back  | 10.5 | 73R7498 | 1.39 | 1.25 |
| ● 1-2013496-6 | 41 | Back  | 14.1 | 73R7499 | 1.45 | 1.30 |
| ● 1-2013496-8 | 45 | Back  | 15.3 | 73R7500 | 1.53 | 1.38 |

## FPC ZIF CONNECTORS - SMT RIGHT-ANGLE, NARROW TYPE - TOP CONTACTS

|               |    |      |      |         |      |      |
|---------------|----|------|------|---------|------|------|
| ● 2013928-8   | 25 | Back | 8.8  | 73R7512 | 1.11 | 1.00 |
| ● 1-2013928-2 | 33 | Back | 11.2 | 73R7501 | 1.19 | 1.08 |
| ● 1-2013928-4 | 37 | Back | 12.4 | 73R7502 | ---  | ---  |
| ● 1-2013928-6 | 41 | Back | 13.6 | 73R7503 | 0.97 | 0.97 |
| ● 1-2013928-8 | 45 | Back | 14.8 | 73R7504 | 1.89 | 1.72 |

(177016)

## 0.5MM PITCH FPC CONNECTORS



NEW

- Housing material: High temperature thermoplastic UL94V-0
- Actuator: Thermoplastic, UL94V-0
- Contacts: Gold plated phosphor bronze

## FPC ZIF CONNECTORS - SMT RIGHT-ANGLE, FRONT FLIP LOCK - BOTTOM CONTACTS

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 1734592-5   | 5         | 7.43       | 17R4936   | 0.30       | 0.30  |
| ● 1734592-8   | 8         | 9.43       | 17R4939   | 0.43       | 0.40  |
| ● 1734592-9   | 9         | 9.93       | 17R4940   | 0.33       | 0.33  |
| ● 1-1734592-0 | 10        | 10.43      | 16R9527   | 0.67       | 0.53  |
| ● 1-1734592-1 | 11        | 10.93      | 16R9528   | 0.35       | 0.35  |
| ● 1-1734592-2 | 12        | 11.43      | 16R9529   | 0.69       | 0.56  |
| ● 1-1734592-3 | 13        | 11.93      | 16R9530   | 0.46       | 0.43  |
| ● 1-1734592-4 | 14        | 12.43      | 16R9531   | 0.48       | 0.45  |
| ● 1-1734592-5 | 15        | 12.93      | 16R9532   | 0.37       | 0.37  |
| ● 1-1734592-6 | 16        | 13.43      | 16R9533   | 0.50       | 0.46  |

➔ CONTINUED ➔

## 0.5MM PITCH FPC CONNECTORS (CONT.)

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 1-1734592-7 | 17        | 13.93      | 16R9534   | 0.44       | 0.44  |
| ● 1-1734592-8 | 18        | 14.43      | 16R9535   | 0.75       | 0.67  |
| ● 1-1734592-9 | 19        | 14.93      | 16R9536   | 0.45       | 0.45  |
| ● 2-1734592-0 | 20        | 15.43      | 50P9432   | 0.64       | 0.64  |
| ● 2-1734592-1 | 21        | 15.93      | 17R7046   | 0.48       | 0.48  |
| ● 2-1734592-2 | 22        | 16.43      | 17R7047   | 0.60       | 0.60  |
| ● 2-1734592-3 | 23        | 16.93      | 17R7048   | 0.62       | 0.62  |
| ● 2-1734592-4 | 24        | 17.43      | 17R7049   | 0.89       | 0.80  |
| ● 2-1734592-5 | 25        | 17.93      | 17R7050   | 0.65       | 0.65  |
| ● 2-1734592-6 | 26        | 18.43      | 17R7051   | 0.67       | 0.67  |
| ● 2-1734592-7 | 27        | 18.93      | 17R7052   | 0.67       | 0.67  |
| ● 2-1734592-8 | 28        | 19.43      | 17R7053   | 2.98       | 2.82  |
| ● 2-1734592-9 | 29        | 19.93      | 17R7054   | 0.70       | 0.70  |
| ● 3-1734592-0 | 30        | 20.43      | 18R0274   | 0.98       | 0.89  |
| ● 3-1734592-1 | 31        | 20.93      | 18R0275   | 0.66       | 0.61  |
| ● 3-1734592-2 | 32        | 21.43      | 18R0276   | 0.67       | 0.63  |
| ● 3-1734592-3 | 33        | 21.93      | 18R0277   | 0.75       | 0.75  |
| ● 3-1734592-4 | 34        | 22.43      | 18R0278   | 0.76       | 0.76  |
| ● 3-1734592-5 | 35        | 22.93      | 18R0279   | 0.64       | 0.64  |
| ● 3-1734592-6 | 36        | 23.43      | 18R0280   | ---        | ---   |
| ● 3-1734592-7 | 37        | 23.93      | 18R0281   | 0.79       | 0.79  |
| ● 3-1734592-8 | 38        | 24.43      | 18R0282   | 0.80       | 0.80  |
| ● 3-1734592-9 | 39        | 24.93      | 18R0283   | 0.82       | 0.82  |
| ● 4-1734592-0 | 40        | 25.43      | 18R4220   | 1.15       | 1.04  |
| ● 4-1734592-1 | 41        | 25.93      | 18R4221   | 0.84       | 0.84  |
| ● 4-1734592-2 | 42        | 26.43      | 18R4222   | 0.85       | 0.85  |
| ● 4-1734592-3 | 43        | 26.93      | 18R4223   | 0.86       | 0.86  |
| ● 4-1734592-4 | 44        | 27.43      | 18R4224   | 1.21       | 1.09  |
| ● 4-1734592-5 | 45        | 27.93      | 18R4225   | 0.87       | 0.87  |
| ● 4-1734592-6 | 46        | 28.43      | 18R4226   | 0.88       | 0.88  |
| ● 4-1734592-7 | 47        | 28.93      | 18R4227   | 0.89       | 0.89  |
| ● 4-1734592-8 | 48        | 29.43      | 18R4228   | 0.90       | 0.90  |
| ● 4-1734592-9 | 49        | 29.93      | 18R4229   | 1.27       | 1.15  |
| ● 5-1734592-0 | 50        | 30.43      | 18R9001   | 1.32       | 1.19  |

## FPC ZIF CONNECTORS - SMT RIGHT-ANGLE, FRONT FLIP LOCK - TOP CONTACTS

|               |    |       |         |      |      |
|---------------|----|-------|---------|------|------|
| ● 1734839-5   | 5  | 7.93  | 17R4945 | 0.30 | 0.30 |
| ● 1734839-6   | 6  | 8.43  | 68K9761 | 0.32 | 0.32 |
| ● 1734839-7   | 7  | 8.93  | 17R4946 | 0.33 | 0.33 |
| ● 1734839-8   | 8  | 9.43  | 17R4947 | 0.43 | 0.37 |
| ● 1734839-9   | 9  | 9.93  | 17R4948 | 0.37 | 0.37 |
| ● 1-1734839-0 | 10 | 10.43 | 16R9537 | 0.78 | 0.62 |
| ● 1-1734839-1 | 11 | 10.93 | 16R9538 | 0.70 | 0.70 |
| ● 1-1734839-2 | 12 | 11.43 | 16R9539 | 1.00 | 0.90 |
| ● 1-1734839-3 | 13 | 11.93 | 16R9540 | 0.61 | 0.61 |
| ● 1-1734839-4 | 14 | 12.43 | 16R9541 | ---  | ---  |
| ● 1-1734839-5 | 15 | 12.93 | 16R9542 | 0.76 | 0.76 |
| ● 1-1734839-6 | 16 | 13.43 | 16R9543 | 1.00 | 1.00 |
| ● 1-1734839-7 | 17 | 13.93 | 03P1347 | 0.83 | 0.83 |
| ● 1-1734839-8 | 18 | 14.43 | 16R9544 | 1.25 | 1.15 |
| ● 1-1734839-9 | 19 | 14.93 | 16R9545 | 1.25 | 1.15 |
| ● 2-1734839-0 | 20 | 15.43 | 17R7055 | 1.42 | 1.29 |
| ● 2-1734839-1 | 21 | 15.93 | 17R7056 | 0.95 | 0.95 |
| ● 2-1734839-2 | 22 | 16.43 | 17R7057 | 1.70 | 1.52 |
| ● 2-1734839-3 | 23 | 16.93 | 17R7058 | 1.65 | 1.48 |
| ● 2-1734839-4 | 24 | 17.43 | 17R7059 | 2.08 | 1.88 |
| ● 2-1734839-5 | 25 | 17.93 | 17R7060 | 0.59 | 0.59 |
| ● 2-1734839-6 | 26 | 18.43 | 17R7061 | 1.33 | 1.21 |
| ● 2-1734839-7 | 27 | 18.93 | 17R7062 | 1.34 | 1.22 |
| ● 2-1734839-8 | 28 | 19.43 | 17R7063 | 0.77 | 0.69 |
| ● 2-1734839-9 | 29 | 19.93 | 17R7064 | 1.39 | 1.26 |
| ● 3-1734839-0 | 30 | 20.43 | 18R0284 | ---  | ---  |
| ● 3-1734839-1 | 31 | 20.93 | 18R0285 | 1.44 | 1.31 |
| ● 3-1734839-2 | 32 | 21.43 | 18R0286 | 1.47 | 1.34 |
| ● 3-1734839-3 | 33 | 21.93 | 18R0287 | 1.49 | 1.36 |
| ● 3-1734839-4 | 34 | 22.43 | 19P1897 | 1.52 | 1.38 |
| ● 3-1734839-5 | 35 | 22.93 | 18R0288 | 1.54 | 1.41 |
| ● 3-1734839-6 | 36 | 23.43 | 18R0289 | ---  | ---  |
| ● 3-1734839-7 | 37 | 23.93 | 18R0290 | 2.12 | 1.90 |
| ● 3-1734839-8 | 38 | 24.43 | 18R0291 | 1.60 | 1.46 |
| ● 3-1734839-9 | 39 | 24.93 | 18R0292 | 1.64 | 1.49 |
| ● 4-1734839-0 | 40 | 25.43 | 50M1535 | 0.64 | 0.64 |
| ● 4-1734839-1 | 41 | 25.93 | 18R4231 | 1.67 | 1.52 |
| ● 4-1734839-2 | 42 | 26.43 | 18R4232 | 1.70 | 1.56 |

➔ CONTINUED ➔

# FLAT/FLEX RIBBON CABLE CONNECTORS

## 0.5MM PITCH FPC CONNECTORS (CONT.)

### FPC ZIF CONNECTORS - SMT RIGHT-ANGLE, FRONT FLIP LOCK - TOP CONTACTS

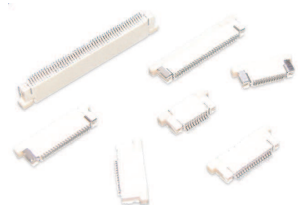
| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 4-1734839-3 | 43        | 26.93      | 18R4233   | 1.72       | 1.57  |
| ● 4-1734839-4 | 44        | 27.43      | 18R4234   | ---        | ---   |
| ● 4-1734839-5 | 45        | 27.93      | 18R4235   | 1.74       | 1.59  |
| ● 4-1734839-6 | 46        | 28.43      | 18R4236   | ---        | ---   |
| ● 4-1734839-7 | 47        | 28.93      | 18R4237   | 2.39       | 2.15  |
| ● 4-1734839-8 | 48        | 29.43      | 18R4238   | ---        | ---   |
| ● 4-1734839-9 | 49        | 29.93      | 18R4239   | ---        | ---   |
| ● 5-1734839-0 | 50        | 30.43      | 18R9002   | 2.45       | 2.20  |

### FPC ZIF CONNECTORS - SMT VERTICAL, PUSH/PULL LOCK

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 1734742-6   | 6         | 8.70       | 85R6218   | 0.44       | 0.44  |
| ● 1734742-7   | 7         | 9.20       | 85R6219   | 0.34       | 0.34  |
| ● 1734742-8   | 8         | 9.70       | 73R7507   | ---        | ---   |
| ● 1-1734742-0 | 10        | 10.70      | 73R7494   | 0.77       | 0.77  |
| ● 1-1734742-2 | 12        | 11.70      | 73R7495   | 0.89       | 0.89  |
| ● 1-1734742-4 | 14        | 12.70      | 73R7496   | 0.72       | 0.67  |
| ● 1-1734742-6 | 16        | 13.70      | 21R1777   | 0.82       | 0.82  |
| ● 1-1734742-8 | 18        | 14.70      | 21R1778   | 1.21       | 1.21  |
| ● 2-1734742-0 | 20        | 15.70      | 21R8513   | 1.74       | 1.59  |
| ● 2-1734742-4 | 24        | 17.70      | 21R8514   | 1.97       | 1.79  |
| ● 2-1734742-8 | 28        | 19.70      | 73R7510   | ---        | ---   |
| ● 3-1734742-0 | 30        | 20.70      | 22R0950   | 2.79       | 2.54  |
| ● 3-1734742-6 | 36        | 23.70      | 73R7514   | 2.94       | 2.94  |
| ● 4-1734742-0 | 40        | 25.70      | 22R3051   | ---        | ---   |

(177025)

## 1.00MM PITCH FPC CONNECTORS



- Housing material: 84952, 84953: Glass reinforced polyester (LCP), UL94V-0
- Housing material: 1734248: Thermoplastic, UL94V-0
- Housing material: 84981, 84982: Glass filled high temperature nylon
- Housing material: 84983, 84984: Glass filled PBT
- Actuator: 84952, 84953: Glass reinforced nylon
- Actuator: 1734248: PPS, UL94V-0
- Contacts: 1734248: Gold plated phosphor bronze
- Contacts: 84952, 84953, 84981, 84982, 84983, 84984: Tin plated phosphor bronze

### FPC ZIF CONNECTORS - SMT RIGHT-ANGLE - FRONT FLIP LOCK - BOTTOM CONTACTS

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 84952-4     | 4         | 11.92      | 14P9461   | ---        | ---   |
| ● 84952-5     | 5         | 12.92      | 47M3242   | 1.34       | 1.21  |
| ● 84952-7     | 7         | 14.92      | 19R9648   | 0.88       | 0.88  |
| ● 84952-8     | 8         | 15.92      | 19R9649   | 0.44       | 0.44  |
| ● 84952-9     | 9         | 16.92      | 14R7833   | 0.76       | 0.76  |
| ● 1-84952-0   | 10        | 17.92      | 17R2306   | 0.68       | 0.68  |
| ● 1-84952-1   | 11        | 18.92      | 17R2307   | 1.01       | 0.92  |
| ● 1-84952-2   | 12        | 19.92      | 17R2308   | 1.38       | 1.24  |
| ● 1-84952-4   | 14        | 21.92      | 17R2310   | 0.66       | 0.66  |
| ● 1-84952-5   | 15        | 22.92      | 17R2311   | 1.31       | 1.31  |
| ● 1-84952-7   | 17        | 24.92      | 17R2313   | 1.67       | 1.52  |
| ● 1-84952-8   | 18        | 25.92      | 17R2314   | 0.61       | 0.61  |
| ● 1-84952-9   | 19        | 26.92      | 17R2315   | 1.73       | 1.57  |
| ● 2-84952-0   | 20        | 27.92      | 09J5769   | 1.16       | 1.05  |
| ● 2-84952-2   | 22        | 29.92      | 17R8715   | 1.60       | 1.60  |
| ● 2-84952-3   | 23        | 30.92      | 17R8716   | 1.65       | 1.65  |
| ● 2-84952-4   | 24        | 31.92      | 17R8717   | 0.68       | 0.68  |
| ● 2-84952-5   | 25        | 32.92      | 17R8718   | 1.73       | 1.73  |
| ● 2-84952-6   | 26        | 33.92      | 17R8719   | 1.19       | 1.09  |
| ● 2-84952-7   | 27        | 34.92      | 17R8720   | 2.15       | 1.96  |
| ● 2-84952-8   | 28        | 35.92      | 17R8721   | 2.84       | 2.48  |
| ● 3-84952-0   | 30        | 37.92      | 86H9186   | 1.09       | 0.99  |

### FPC ZIF CONNECTORS - SMT RIGHT-ANGLE - FRONT FLIP LOCK - TOP CONTACTS

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 84953-4     | 4         | 11.92      | 39M5447   | 0.52       | 0.52  |
| ● 84953-5     | 5         | 12.92      | 19R9650   | 0.36       | 0.34  |
| ● 84953-6     | 6         | 13.92      | 19R9651   | 0.84       | 0.76  |
| ● 84953-7     | 7         | 14.92      | 39P8308   | 0.73       | 0.73  |
| ● 84953-8     | 8         | 15.92      | 19R9652   | 0.80       | 0.72  |

➔ CONTINUED ➔

## 1.00MM PITCH FPC CONNECTORS (CONT.)

### FPC ZIF CONNECTORS - SMT RIGHT-ANGLE - FRONT FLIP LOCK - TOP CONTACTS

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 84953-9     | 9         | 16.92      | 03P1231   | 0.97       | 0.97  |
| ● 1-84953-0   | 10        | 17.92      | 17R2316   | 0.70       | 0.70  |
| ● 1-84953-1   | 11        | 18.92      | 64K0148   | 1.01       | 0.92  |
| ● 1-84953-2   | 12        | 19.92      | 63M0813   | 0.88       | 0.80  |
| ● 1-84953-3   | 13        | 20.92      | 17R2317   | 0.51       | 0.51  |
| ● 1-84953-5   | 15        | 22.92      | 17R2319   | 0.44       | 0.44  |
| ● 1-84953-7   | 17        | 24.92      | 17R2321   | 1.39       | 1.39  |
| ● 1-84953-8   | 18        | 25.92      | 17R2322   | 1.83       | 1.64  |
| ● 1-84953-9   | 19        | 26.92      | 17R2323   | 1.44       | 1.44  |
| ● 2-84953-0   | 20        | 27.92      | 17R8723   | 1.35       | 1.21  |
| ● 2-84953-1   | 21        | 28.92      | 17R8724   | 0.60       | 0.60  |
| ● 2-84953-2   | 22        | 29.92      | 17R8725   | 0.95       | 0.95  |
| ● 2-84953-4   | 24        | 31.92      | 30K5817   | 1.02       | 0.93  |
| ● 2-84953-5   | 25        | 32.92      | 17R8727   | 2.15       | 1.93  |
| ● 2-84953-6   | 26        | 33.92      | 87H6532   | 2.19       | 1.97  |
| ● 2-84953-7   | 27        | 34.92      | 17R8728   | 1.79       | 1.79  |
| ● 2-84953-8   | 28        | 35.92      | 17R8729   | 2.18       | 1.98  |
| ● 2-84953-9   | 29        | 36.92      | 17R8730   | 1.85       | 1.85  |
| ● 3-84953-0   | 30        | 37.92      | 18R3063   | 0.63       | 0.63  |

### FPC ZIF CONNECTORS - SMT VERTICAL PUSH/PULL LOCK

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 1734248-3   | 3         | 8.60       | 85R6215   | 0.66       | 0.66  |
| ● 1734248-4   | 4         | 9.60       | 21R5399   | 0.59       | 0.59  |
| ● 1734248-5   | 5         | 10.60      | 15P0207   | 0.72       | 0.72  |
| ● 1734248-6   | 6         | 11.60      | 21R5400   | 0.63       | 0.63  |
| ● 1734248-7   | 7         | 12.60      | 85R6216   | 0.81       | 0.81  |
| ● 1734248-8   | 8         | 13.60      | 21R5401   | ---        | ---   |
| ● 1734248-9   | 9         | 14.60      | 85R6217   | 0.80       | 0.80  |
| ● 1-1734248-0 | 10        | 15.60      | 21R1725   | 1.12       | 1.02  |
| ● 1-1734248-1 | 11        | 16.60      | 21R1726   | 1.36       | 1.36  |
| ● 1-1734248-2 | 12        | 17.60      | 21R1727   | 1.09       | 1.09  |
| ● 1-1734248-3 | 13        | 18.60      | 85R6211   | 0.92       | 0.92  |
| ● 1-1734248-4 | 14        | 19.60      | 21R1728   | 2.30       | 2.06  |
| ● 1-1734248-5 | 15        | 20.60      | 21R1729   | 1.21       | 1.21  |
| ● 1-1734248-6 | 16        | 21.60      | 21R1730   | 1.39       | 1.26  |
| ● 1-1734248-7 | 17        | 22.60      | 85R6212   | 1.35       | 1.23  |
| ● 1-1734248-8 | 18        | 23.60      | 21R1731   | 0.98       | 0.88  |
| ● 1-1734248-9 | 19        | 24.60      | 85R6213   | 1.40       | 1.27  |
| ● 2-1734248-0 | 20        | 25.60      | 21R8489   | 2.58       | 2.32  |
| ● 2-1734248-1 | 21        | 26.60      | 85R6220   | 1.22       | 1.22  |
| ● 2-1734248-2 | 22        | 27.60      | 21R8490   | 1.89       | 1.72  |
| ● 2-1734248-3 | 23        | 28.60      | 85R6221   | ---        | ---   |
| ● 2-1734248-4 | 24        | 29.60      | 21R8491   | 1.84       | 1.84  |
| ● 2-1734248-5 | 25        | 30.60      | 85R6222   | 1.58       | 1.58  |
| ● 2-1734248-6 | 26        | 31.60      | 21R8492   | 1.74       | 1.74  |
| ● 2-1734248-7 | 27        | 32.60      | 19P7254   | 1.76       | 1.76  |
| ● 2-1734248-8 | 28        | 33.60      | 73R7509   | 1.76       | 1.61  |
| ● 2-1734248-9 | 29        | 34.60      | 85R6223   | ---        | ---   |
| ● 3-1734248-0 | 30        | 35.60      | 22R0925   | 0.75       | 0.75  |
| ● 3-1734248-6 | 36        | 41.60      | 73R7513   | ---        | ---   |
| ● 4-1734248-0 | 40        | 45.60      | 22R3032   | 4.06       | 3.70  |

### FPC/FPC NON-ZIF CONNECTORS - SMT RIGHT-ANGLE - TOP CONTACTS

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 84981-4     | 4         | 7.00       | 85R6235   | 0.36       | 0.26  |
| ● 84981-5     | 5         | 8.00       | 19R9653   | 0.51       | 0.51  |
| ● 84981-6     | 6         | 9.00       | 85R6236   | 0.53       | 0.53  |
| ● 84981-8     | 8         | 11.00      | 19R9655   | 0.27       | 0.23  |
| ● 1-84981-0   | 10        | 13.00      | 17R2324   | 0.13       | 0.13  |
| ● 1-84981-1   | 11        | 14.00      | 85R6214   | 0.71       | 0.71  |
| ● 1-84981-3   | 13        | 16.00      | 17R2326   | 0.71       | 0.71  |
| ● 1-84981-4   | 14        | 17.00      | 17R2327   | 1.36       | 1.23  |
| ● 1-84981-5   | 15        | 18.00      | 80K9885   | 0.80       | 0.80  |
| ● 1-84981-6   | 16        | 19.00      | 73R7505   | 0.78       | 0.70  |
| ● 1-84981-8   | 18        | 21.00      | 17R2328   | 1.21       | 1.09  |
| ● 1-84981-9   | 19        | 22.00      | 17R2329   | 0.93       | 0.93  |
| ● 2-84981-0   | 20        | 23.00      | 17R8731   | 0.91       | 0.91  |
| ● 2-84981-1   | 21        | 24.00      | 85R6224   | 0.99       | 0.99  |
| ● 3-84981-0   | 30        | 33.00      | 18R3064   | 2.12       | 1.92  |

### FPC/FPC NON-ZIF CONNECTORS - SMT VERTICAL

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 84982-4     | 4         | 6.00       | 19R9656   | 0.63       | 0.63  |
| ● 84982-5     | 5         | 7.00       | 19R9657   | 0.69       | 0.69  |
| ● 84982-7     | 7         | 9.00       | 19R9658   | 0.74       | 0.74  |
| ● 84982-8     | 8         | 10.00      | 73R7515   | 0.48       | 0.35  |
| ● 84982-9     | 9         | 11.00      | 19R9659   | 0.57       | 0.57  |
| ● 1-84982-0   | 10        | 12.00      | 17R2330   | 0.79       | 0.79  |

➔ CONTINUED ➔



# FLAT/FLEX RIBBON CABLE CONNECTORS

## 1.00MM PITCH FPC CONNECTORS (CONT.)

### FPC/FPC NON-ZIF CONNECTORS - SMT VERTICAL

| Mfg. Part No. | Positions | Width (mm) | Stock No. | Price Each |       |
|---------------|-----------|------------|-----------|------------|-------|
|               |           |            |           | 1-24       | 25-99 |
| ● 1-84982-5   | 15        | 17.00      | 82K5965   | 0.55       | 0.55  |
| ● 1-84982-6   | 16        | 18.00      | 73R7506   | 0.48       | 0.48  |
| ● 1-84982-8   | 18        | 20.00      | 17R2334   | 1.29       | 1.17  |
| ● 2-84982-0   | 20        | 22.00      | 17R8734   | 0.35       | 0.33  |
| ● 2-84982-1   | 21        | 23.00      | 85R6226   | 1.73       | 1.57  |
| ● 2-84982-2   | 22        | 24.00      | 85R6227   | 1.51       | 1.51  |
| ● 2-84982-3   | 23        | 25.00      | 17R8735   | 1.20       | 1.20  |
| ● 2-84982-6   | 26        | 28.00      | 85R6228   | 1.01       | 1.01  |
| ● 2-84982-8   | 28        | 30.00      | 73R7511   | 1.60       | 1.46  |
| ● 3-84982-0   | 30        | 32.00      | 18R3065   | 0.97       | 0.97  |

### FPC/FPC NON-ZIF CONNECTOR - RIGHT-ANGLE THRU-HOLE

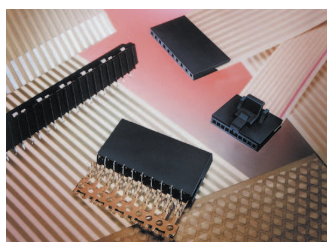
|             |    |       |         |      |      |
|-------------|----|-------|---------|------|------|
| ● 2-84983-0 | 20 | 22.00 | 17R8737 | 0.75 | 0.73 |
|-------------|----|-------|---------|------|------|

### FPC/FPC NON-ZIF CONNECTORS - VERTICAL THRU-HOLE

|             |    |       |         |      |      |
|-------------|----|-------|---------|------|------|
| ● 84984-4   | 4  | 6.00  | 19R9666 | 0.70 | 0.56 |
| ● 84984-6   | 6  | 8.00  | 19R9667 | 0.84 | 0.76 |
| ● 84984-8   | 8  | 10.00 | 19R9669 | 0.52 | 0.44 |
| ● 1-84984-0 | 10 | 12.00 | 17R2346 | 0.58 | 0.53 |
| ● 1-84984-2 | 12 | 14.00 | 17R2348 | 0.93 | 0.85 |
| ● 1-84984-3 | 13 | 15.00 | 17R2349 | 0.75 | 0.75 |
| ● 1-84984-4 | 14 | 16.00 | 17R2350 | 0.89 | 0.81 |
| ● 1-84984-6 | 16 | 18.00 | 17R2352 | 0.62 | 0.57 |
| ● 1-84984-9 | 19 | 21.00 | 17R2355 | 1.00 | 1.00 |
| ● 2-84984-0 | 20 | 22.00 | 17R8747 | 1.19 | 1.08 |
| ● 2-84984-4 | 24 | 26.00 | 17R8751 | 1.08 | 0.96 |
| ● 2-84984-5 | 25 | 27.00 | 32M7310 | 1.31 | 1.22 |
| ● 2-84984-6 | 26 | 28.00 | 17R8752 | 1.70 | 1.53 |
| ● 3-84984-0 | 30 | 32.00 | 18R3067 | 0.54 | 0.49 |

(177026)

## AMP FFC/FPC CONNECTORS



- 2.54mm (0.100) centerline
- Housing material: thermoplastic
- Housing flammability rating: UL 94V-0

### FFC HOUSING RECEPTACLES

| Mfg. Part No. | Positions | Width (inches) | Stock No. | Price Each |       |
|---------------|-----------|----------------|-----------|------------|-------|
|               |           |                |           | 1-24       | 25-99 |
| ● 487378-1    | 2         | 0.194          | 33B9079   | 0.65       | 0.65  |
| ● 487378-3    | 4         | 0.394          | 66F3233   | 0.70       | 0.63  |
| ● 487378-5    | 6         | 0.594          | 66F1647   | 0.55       | 0.50  |
| ● 487378-6    | 7         | 0.694          | 23C6964   | 0.80       | 0.78  |
| ● 487378-7    | 8         | 0.794          | 66F1629   | 0.72       | 0.67  |
| ● 487378-8    | 9         | 0.894          | 52F5188   | 0.40       | 0.40  |
| ● 1-487378-5  | 16        | 1.594          | 66F3243   | 1.04       | 0.88  |

### FFC HOUSING DUAL ROW RECEPTACLE

|              |    |       |         |      |      |
|--------------|----|-------|---------|------|------|
| ● 487223-1   | 10 | 0.750 | 98F9977 | 2.66 | 2.23 |
| ● 1-487223-0 | 40 | 2.250 | 10H0074 | 3.33 | 3.05 |

### FFC HOUSING RECEPTACLE WITH LATCH

|              |    |       |         |      |      |
|--------------|----|-------|---------|------|------|
| ● 487526-1   | 2  | 0.194 | 92B6562 | 0.66 | 0.59 |
| ● 487526-2   | 3  | 0.294 | 99B2088 | 0.68 | 0.68 |
| ● 487526-3   | 4  | 0.394 | 13H5983 | 1.08 | 1.00 |
| ● 487526-4   | 5  | 0.494 | 66F3001 | 0.91 | 0.91 |
| ● 487526-5   | 6  | 0.594 | 97C5084 | 0.53 | 0.53 |
| ● 487526-7   | 8  | 0.794 | 52F5495 | 0.51 | 0.51 |
| ● 487526-8   | 9  | 0.894 | 34C6244 | 0.55 | 0.55 |
| ● 487526-9   | 10 | 0.994 | 66F3107 | 0.75 | 0.70 |
| ● 1-487526-1 | 12 | 1.194 | 10H0085 | 0.64 | 0.64 |
| ● 1-487526-5 | 16 | 1.594 | 10H0088 | 0.93 | 0.84 |
| ● 1-487526-9 | 20 | 1.994 | 10H0092 | 1.12 | 1.12 |

### FFC HOUSING RECEPTACLE WITH DETENT

|             |    |       |         |      |      |
|-------------|----|-------|---------|------|------|
| ● 88859-9   | 3  | 0.320 | 34C8231 | 1.06 | 0.95 |
| ● 1-88859-0 | 4  | 0.420 | 66F1638 | 0.70 | 0.70 |
| ● 88859-1   | 6  | 0.620 | 92C3665 | 1.11 | 1.00 |
| ● 88859-7   | 14 | 1.420 | 16H8749 | 1.29 | 1.22 |

➔ CONTINUED ➔

## AMP FFC/FPC CONNECTORS (CONT.)

### FFC PIN HOUSINGS WITH DETENT SLOTS

| Mfg. Part No. | Positions | Width (inches) | Stock No. | Price Each |       |
|---------------|-----------|----------------|-----------|------------|-------|
|               |           |                |           | 1-24       | 25-99 |
| ● 485893-2    | 4         | 0.650          | 98F8267   | 1.53       | 1.38  |
| ● 485893-4    | 6         | 0.850          | 95C0681   | 2.03       | 2.03  |

### TRIO-MATE CABLE ENTRY CONNECTOR - RIGHT ANGLE

|              |   |       |         |      |      |
|--------------|---|-------|---------|------|------|
| ● 5-520314-4 | 4 | 0.593 | 18R9310 | 0.41 | 0.35 |
| ● 5-520314-7 | 7 | 0.893 | 18R9311 | 0.53 | 0.48 |

### TRIO-MATE CABLE ENTRY CONNECTOR - VERTICAL

|              |    |       |         |      |      |
|--------------|----|-------|---------|------|------|
| ● 5-520315-7 | 7  | 0.893 | 14N5324 | 0.38 | 0.36 |
| ● 5-520315-8 | 8  | 0.993 | 52K3727 | 0.52 | 0.47 |
| ● 5-520315-9 | 9  | 1.093 | 52K7927 | 0.85 | 0.76 |
| ● 6-520315-0 | 10 | 1.193 | 35K6006 | 1.24 | 1.12 |
| ● 6-520315-4 | 14 | 1.593 | 19R5125 | 0.98 | 0.92 |
| ● 6-520315-6 | 16 | 1.793 | 05R5459 | 1.93 | 1.73 |

### FFC CONTACTS

| Mfg. Part No. | Pitch Spacing (mm) | Contact Gender | Contact Plating | Stock No. | Price Each |       |
|---------------|--------------------|----------------|-----------------|-----------|------------|-------|
|               |                    |                |                 |           | 1-24       | 25-99 |
| ● 2-487406-2  | 2.54               | Socket         | 15µ" Gold       | 42K6809   | 0.13       | 0.13  |
| ● 2-487406-3  | 2.54               | Socket         | 30µ" Gold       | 42K6810   | 0.24       | 0.20  |
| ● 2-487406-4  | 2.54               | Socket         | Gold Flash      | 42K6811   | 0.12       | 0.10  |
| ● 86571-2     | 2.54               | Socket         | 15µ" Gold       | 66F3224   | 2.04       | 1.85  |
| ● 1-487547-1  | 1.27               | Socket         | 30µ" Gold       | 42K6516   | 0.19       | 0.14  |
| ● 1-88997-2   | 2.54               | Pin            | 15µ" Gold       | 14M7519   | 0.07       | 0.06  |
| ● 1-86561-0   | 2.54               | Pin            | Tin             | 42K6581   | 0.44       | 0.34  |
| ● 86561-4     | 2.54               | Pin            | 30µ" Gold       | 34B2416   | 2.09       | 1.87  |
| ● 86561-6     | 2.54               | Pin            | 15µ" Gold       | 34B2417   | 0.37       | 0.32  |
| ● 86561-9     | 2.54               | Pin            | Tin             | 34B2419   | ---        | ---   |
| ● 487923-4    | 1.27               | Pin            | Tin             | 42K6929   | 0.06       | 0.06  |

(93040)

## 0.50 mm PITCH FPC/ FFC CONNECTORS



Fig. 1



Fig. 2

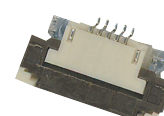


Fig. 3

- Contact Material: Phosphor bronze
- Insulator Material: Heat resistance plastic
- Operating Temperature Range: -40 to +85°C for Series 6212, 6214, 6222, 6223, 6240, 6244, 6269, 6274; -20 to +85°C for Series 6238, 6239, 6298

Series 6212 is a top contact low profile ZIF with a total height of 2.0mm. Series 6212, 6214 and 6274 offer a Slide locking system. Total height is 4.1 mm for Series 6214 and 4.4mm for Series 6274. Series 6222 and 6223 are low profile LIF connectors. Series 6222 is bottom contact and Series 6223 is top contact, both have a total height of 1.95mm. Series 6238 offers a Flip-top style locking which opens to a maximum of 135 degrees with a height of 1.1mm. Series 6238 also offers a positive "click" when operating the actuator and is equipped with strain relief metal and FPC guide function to stabilize the position of the FPC. Series 6239 and 6269 are 1.5mm in height and available in 5-30 positions. Series 6240 are 2.0mm in height and available in 6-54 positions. Series 6298 is ultra low profile and offers bottom contacts with a Flip-top style lock and a notch to ensure correct locating into the connector. Series 6298 is specially designed for LCD (Liquid Crystal Display) modules with back-light requirements.

### 6212 SERIES - ZIF RIGHT ANGLE SLIDE-LOCK TYPE, (FIG. 1)

| Mfg. Part No.      | Circuits | Contact Plating | Contact Location | Stock No. | Price Each |
|--------------------|----------|-----------------|------------------|-----------|------------|
|                    |          |                 |                  |           | 1-9        |
| ● 086212030340800+ | 30       | Tin             | Top              | 96M9243   | 0.99       |

### 6222/6223 SERIES - LIF RIGHT ANGLE SMT, (FIG. 2)

|                    |    |     |     |         |      |
|--------------------|----|-----|-----|---------|------|
| ● 086223010101800+ | 10 | Tin | Top | 96M9249 | 0.50 |
| ● 086223030101800+ | 30 | Tin | Top | 96M9253 | 0.37 |

### 6239/6269 SERIES - ZIF RIGHT ANGLE SMT FLIP-TOP TYPE, (FIG. 3)

|                    |    |     |        |         |      |
|--------------------|----|-----|--------|---------|------|
| ● 046239010001800+ | 10 | Tin | Bottom | 96M9231 | 0.71 |
| ● 046239020001800+ | 20 | Tin | Bottom | 96M9233 | 0.68 |
| ● 046239030001800+ | 30 | Tin | Bottom | 96M9235 | 1.27 |

(105956)



Introducing the element14 knode  
Research, Design, Develop, Build—Faster.  
See how at [www.element14.com/knode](http://www.element14.com/knode)

(196406)



FLAT/FLEX RIBBON CABLE CONNECTORS

0.50mm (0.020") AND 1.00mm (0.039") PITCH FFC-FPC CONNECTORS

NEW



FCI's Highly reliable Gas Tight High pressure (GTH) contact with a wide variation of Zero Insertion Force (ZIF) options for FFC & FPC connector solutions. The flipping actuator 0.5mm pitch type facilitates the secure cable assembly with click actuation for automotive multimedia and I&I applications.

SFV-S SERIES ZIF SMT VERTICAL CONNECTORS

| Mfg. Part No.   | Circuits | Contact Plating | Stock No. | Price Each |       |
|-----------------|----------|-----------------|-----------|------------|-------|
|                 |          |                 |           | 1-24       | 25-99 |
| 62674-081121ALF | 8        | Gold            | 03M2158   | 0.47       | 0.44  |
| 62674-121121ALF | 12       | Gold            | 03M2159   | 0.48       | 0.48  |
| 62674-161121ALF | 16       | Gold            | 03M2160   | 0.75       | 0.69  |
| 62674-201121ALF | 20       | Gold            | 03M2161   | 0.69       | 0.64  |
| 62674-241121ALF | 24       | Gold            | 03M2162   | 0.74       | 0.69  |
| 62674-251121ALF | 25       | Gold            | 95M3084   | 0.76       | 0.71  |
| 62674-261121ALF | 26       | Gold            | 95M3085   | 0.77       | 0.77  |
| 62674-301121ALF | 30       | Gold            | 03M2163   | 1.12       | 1.03  |
| 62674-321121ALF | 32       | Gold            | 03M2164   | 0.91       | 0.85  |
| 62674-331121ALF | 33       | Gold            | 95M3086   | 0.93       | 0.87  |

SFV-R SERIES ZIF SMT RIGHT ANGLE CONNECTORS - DOWNSIDE CONTACT

|                |    |     |         |      |      |
|----------------|----|-----|---------|------|------|
| SFV4R-1STE1LF  | 4  | Tin | 61M4303 | 0.41 | 0.37 |
| SFV5R-1STE1LF  | 5  | Tin | 06M0271 | 0.52 | 0.44 |
| SFV8R-1STE9LF  | 8  | Tin | 82R6776 | 0.47 | 0.47 |
| SFV10R-1STE1LF | 10 | Tin | 68K5718 | 0.71 | 0.64 |
| SFV12R-1STE1LF | 12 | Tin | 62K5567 | 0.58 | 0.53 |
| SFV14R-1STE1LF | 14 | Tin | 62K5570 | 0.60 | 0.55 |
| SFV15R-1STE1LF | 15 | Tin | 62K5572 | 0.61 | 0.56 |
| SFV16R-1STE1LF | 16 | Tin | 62K5574 | ---  | ---  |
| SFV18R-1STE9LF | 18 | Tin | 82R6738 | 0.93 | 0.93 |
| SFV20R-1STE1LF | 20 | Tin | 62K5579 | ---  | ---  |
| SFV24R-1STE1LF | 24 | Tin | 68K5723 | ---  | ---  |
| SFV25R-1STE9LF | 25 | Tin | 82R6748 | 0.63 | 0.63 |
| SFV26R-1STE9LF | 26 | Tin | 82R6750 | 0.53 | 0.50 |
| SFV28R-1STE1LF | 28 | Tin | 62K5585 | 0.83 | 0.76 |
| SFV30R-1STE1LF | 30 | Tin | 06M0264 | 0.88 | 0.82 |
| SFV32R-1STE9LF | 32 | Tin | 82R6760 | ---  | ---  |
| SFV33R-1STE9LF | 33 | Tin | 82R6762 | 0.68 | 0.63 |
| SFV34R-1STE9LF | 34 | Tin | 82R6765 | 0.70 | 0.70 |
| SFV35R-1STE9LF | 35 | Tin | 82R6768 | 1.16 | 1.08 |

SFV-R SERIES ZIF SMT RIGHT ANGLE CONNECTORS - UPSIDE CONTACT

|                |    |     |         |      |      |
|----------------|----|-----|---------|------|------|
| SFV4R-2STE9LF  | 4  | Tin | 82R6774 | 0.37 | 0.37 |
| SFV6R-2STBE9LF | 6  | Tin | 82R6775 | 0.41 | 0.38 |
| SFV8R-2STE1LF  | 8  | Tin | 68K5730 | ---  | ---  |
| SFV10R-2STE1LF | 10 | Tin | 94M8845 | ---  | ---  |
| SFV12R-2STE1LF | 12 | Tin | 62K5568 | ---  | ---  |
| SFV14R-2STE1LF | 14 | Tin | 62K5571 | 0.60 | 0.55 |
| SFV15R-2STE9LF | 15 | Tin | 82R6730 | 0.66 | 0.60 |
| SFV16R-2STE9LF | 16 | Tin | 82R6734 | 0.88 | 0.88 |
| SFV18R-2STE1LF | 18 | Tin | 62K5578 | 0.62 | 0.58 |
| SFV20R-2STE1LF | 20 | Tin | 62K5580 | 0.91 | 0.83 |
| SFV24R-2STE1LF | 24 | Tin | 62K5584 | 0.71 | 0.66 |
| SFV25R-2STE9LF | 25 | Tin | 82R6749 | 0.50 | 0.49 |
| SFV26R-2STE1LF | 26 | Tin | 06M0262 | 0.74 | 0.68 |
| SFV28R-2STE1LF | 28 | Tin | 06M0263 | 0.70 | 0.64 |
| SFV30R-2STE1LF | 30 | Tin | 62K5586 | 1.21 | 1.21 |
| SFV32R-2STE9LF | 32 | Tin | 82R6761 | 0.68 | 0.68 |
| SFV33R-2STE9LF | 33 | Tin | 82R6763 | 0.70 | 0.68 |
| SFV34R-2STE9LF | 34 | Tin | 82R6767 | 0.79 | 0.72 |
| SFV35R-2STE9LF | 35 | Tin | 82R6770 | ---  | ---  |

OPU SERIES ZIF SMT RIGHT ANGLE CONNECTORS - DOWNSIDE CONTACT

|                  |    |      |         |      |      |
|------------------|----|------|---------|------|------|
| 62684-401100ALF  | 40 | Gold | 95M3090 | 0.72 | 0.66 |
| 62684-45110E9ALF | 45 | Gold | 82R9969 | 0.62 | 0.58 |
| 62684-501100ALF  | 50 | Gold | 26M8578 | 0.80 | 0.74 |

OPU SERIES ZIF SMT RIGHT ANGLE CONNECTORS - UPSIDE CONTACT

|                  |    |      |         |      |      |
|------------------|----|------|---------|------|------|
| 62684-36210E9ALF | 36 | Gold | 82R9965 | 0.80 | 0.73 |
| 62684-402100ALF  | 40 | Gold | 68K8291 | 0.89 | 0.81 |
| 62684-452100ALF  | 45 | Gold | 95M3091 | 0.56 | 0.53 |
| 62684-502100ALF  | 50 | Gold | 68K8292 | ---  | ---  |

(134284)

1.00mm (0.039") PITCH FFC-FPC CONNECTORS

NEW



FCI's Highly reliable Gas Tight High pressure (GTH) contact with a wide variation of Zero Insertion Force (ZIF) options for FFC & FPC connector solutions. The flipping actuator 0.5mm pitch type facilitates the secure cable assembly with click actuation for automotive multimedia and I&I applications.

HFW-S SERIES SMT VERTICAL CONNECTORS

| Mfg. Part No.  | Circuits | Contact Plating | Stock No. | Price Each |       |
|----------------|----------|-----------------|-----------|------------|-------|
|                |          |                 |           | 1-24       | 25-99 |
| HFW4S-2STE1LF  | 4        | Tin             | 94M7531   | 0.21       | 0.19  |
| HFW5S-2STE9LF  | 5        | Tin             | 82R5815   | 0.39       | 0.36  |
| HFW8S-2STE9LF  | 8        | Tin             | 82R5821   | 0.43       | 0.39  |
| HFW14S-2STE9LF | 14       | Tin             | 82R5797   | 0.36       | 0.33  |
| HFW18S-2STE9LF | 18       | Tin             | 82R5805   | 0.43       | 0.39  |
| HFW20S-2STE9LF | 20       | Tin             | 82R5807   | 0.89       | 0.76  |
| HFW27S-2STE9LF | 27       | Tin             | 82R5811   | 0.79       | 0.67  |

HFW-R SERIES SMT RIGHT ANGLE CONNECTORS - DOWNSIDE CONTACT

|                |    |     |         |      |      |
|----------------|----|-----|---------|------|------|
| HFW4R-1STE1LF  | 4  | Tin | 62K4617 | 0.37 | 0.34 |
| HFW6R-1STE1LF  | 6  | Tin | 62K4621 | 0.20 | 0.20 |
| HFW8R-1STE9LF  | 8  | Tin | 82R5819 | 0.46 | 0.42 |
| HFW12R-1STE1LF | 12 | Tin | 94M7473 | 0.26 | 0.24 |
| HFW16R-1STE1LF | 16 | Tin | 62K4611 | 0.41 | 0.38 |
| HFW20R-1STE9LF | 20 | Tin | 82R5806 | 0.32 | 0.29 |

HFW-R SERIES SMT RIGHT ANGLE CONNECTORS - UPSIDE CONTACT

|                |    |     |         |      |      |
|----------------|----|-----|---------|------|------|
| HFW4R-2STE1LF  | 4  | Tin | 62K4618 | 0.38 | 0.35 |
| HFW6R-2STE1LF  | 6  | Tin | 60M2811 | 0.17 | 0.15 |
| HFW8R-2STE9LF  | 8  | Tin | 82R5820 | 0.45 | 0.41 |
| HFW14R-2STE9LF | 14 | Tin | 82R5796 | 0.47 | 0.43 |

SFW-S SERIES ZIF SMT VERTICAL CONNECTORS

|                |    |     |         |      |      |
|----------------|----|-----|---------|------|------|
| SFW4S-2STE1LF  | 4  | Tin | 06M0311 | 0.64 | 0.54 |
| SFW5S-2STE1LF  | 5  | Tin | 62K5640 | 0.45 | 0.41 |
| SFW8S-2STE1LF  | 8  | Tin | 62K5654 | 0.52 | 0.48 |
| SFW12S-2STE1LF | 12 | Tin | 94M9100 | 0.62 | 0.52 |
| SFW16S-2STE1LF | 16 | Tin | 62K5608 | 0.71 | 0.66 |
| SFW20S-2STE9LF | 20 | Tin | 82R6796 | 0.65 | 0.60 |
| SFW24S-2STE9LF | 24 | Tin | 82R6799 | 1.17 | 1.08 |
| SFW28S-2STE9LF | 28 | Tin | 82R6804 | 0.90 | 0.84 |
| SFW30S-2STE1LF | 30 | Tin | 62K5633 | 0.88 | 0.80 |

SFW-S SERIES ZIF SMT VERTICAL CONNECTORS - WITH MOUNTING PLATE

|                 |    |     |         |      |      |
|-----------------|----|-----|---------|------|------|
| SFW4S-2STME1LF  | 4  | Tin | 06M0312 | 0.65 | 0.55 |
| SFW10S-2STME1LF | 10 | Tin | 62K5598 | 0.47 | 0.47 |
| SFW12S-2STME1LF | 12 | Tin | 68K0395 | 0.47 | 0.43 |
| SFW20S-2STME1LF | 20 | Tin | 06M0292 | 0.84 | 0.77 |

SFW-R SERIES ZIF SMT RIGHT ANGLE CONNECTORS - DOWNSIDE CONTACT

|                |    |     |         |      |      |
|----------------|----|-----|---------|------|------|
| SFW4R-1STE1LF  | 4  | Tin | 62K5635 | 0.64 | 0.54 |
| SFW5R-1STE1LF  | 5  | Tin | 62K5638 | 0.40 | 0.40 |
| SFW6R-1STE1LF  | 6  | Tin | 06M0314 | 0.49 | 0.49 |
| SFW7R-1STE9LF  | 7  | Tin | 82R6823 | 0.53 | 0.49 |
| SFW8R-1STE1LF  | 8  | Tin | 62K5648 | 0.54 | 0.46 |
| SFW10R-1STE1LF | 10 | Tin | 62K5594 | 0.67 | 0.61 |
| SFW12R-1STE1LF | 12 | Tin | 62K5599 | 0.50 | 0.46 |
| SFW14R-1STE1LF | 14 | Tin | 62K5601 | 0.48 | 0.44 |
| SFW16R-1STE1LF | 16 | Tin | 62K5606 | 0.65 | 0.65 |
| SFW18R-1STE1LF | 18 | Tin | 62K5610 | 0.45 | 0.45 |
| SFW20R-1STE1LF | 20 | Tin | 62K5613 | 0.80 | 0.80 |
| SFW24R-1STE9LF | 24 | Tin | 82R6797 | 0.64 | 0.60 |
| SFW27R-1STE9LF | 27 | Tin | 82R6801 | 0.64 | 0.60 |
| SFW28R-1STE9LF | 28 | Tin | 82R6802 | 0.70 | 0.65 |

SFW-R SERIES ZIF SMT RIGHT ANGLE CONNECTORS - UPSIDE CONTACT

|                |    |     |         |      |      |
|----------------|----|-----|---------|------|------|
| SFW4R-2STE1LF  | 4  | Tin | 62K5636 | 0.62 | 0.53 |
| SFW5R-2STE1LF  | 5  | Tin | 62K5639 | 0.48 | 0.44 |
| SFW6R-2STE9LF  | 6  | Tin | 82R6821 | 0.60 | 0.56 |
| SFW7R-2STE9LF  | 7  | Tin | 82R6825 | 0.53 | 0.50 |
| SFW8R-2STE1LF  | 8  | Tin | 62K5649 | 0.33 | 0.33 |
| SFW10R-2STE1LF | 10 | Tin | 06M0273 | 0.68 | 0.63 |
| SFW12R-2STE1LF | 12 | Tin | 43K4079 | 0.60 | 0.56 |
| SFW14R-2STE1LF | 14 | Tin | 62K5602 | 0.65 | 0.65 |
| SFW16R-2STE1LF | 16 | Tin | 62K5607 | 0.61 | 0.56 |
| SFW18R-2STE1LF | 18 | Tin | 62K5611 | 0.85 | 0.78 |
| SFW20R-2STE1LF | 20 | Tin | 62K5614 | 0.58 | 0.54 |
| SFW24R-2STE9LF | 24 | Tin | 82R6798 | 0.97 | 0.91 |
| SFW28R-2STE9LF | 28 | Tin | 82R6803 | 0.71 | 0.67 |
| SFW30R-2STE1LF | 30 | Tin | 57K7662 | 1.00 | 0.93 |

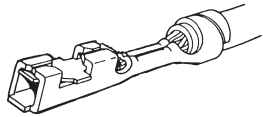
(194804)

FLAT/FLEX RIBBON CABLE CONNECTORS

MINI-PV™ 2.54mm (0.100") CRIMP-TO-WIRE CONTACTS



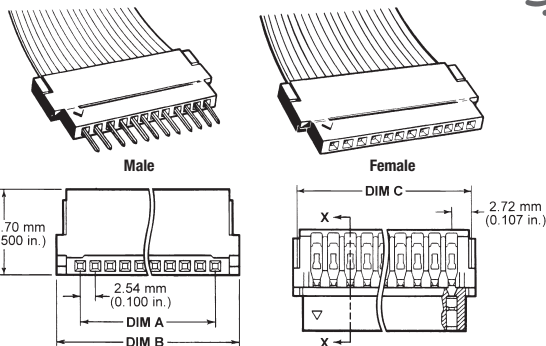
For use with Mini-Latch housings, order separately on pages 816-817. Mate with 0.025" square pins. Available in tin/lead or a variety of gold platings. Current rating: 3A continuous. UL recognized, CSA certified.



| Mfg. Part No. | Spring Force | AWG       | Plating   | Stock No. | Price Each |  |
|---------------|--------------|-----------|-----------|-----------|------------|--|
|               |              |           |           |           | 1-24       |  |
| ● 47747-000LF | Standard     | 26-22     | 100u" Tin | 84K5741   | 0.35       |  |
| ● 48251-000LF |              | 26-22     | 15u" Gold | 72K2286   | 0.20       |  |
| ● 48252-000LF |              | 32-28     | 15u" Gold | 72K2287   | 0.20       |  |
| ● 48235-000LF |              | 26-22     | 30u" Gold | 84K5749   | 0.29       |  |
| ● 48238-000   | High         | 32-28     | 30u" Gold | 98F5796   | ---        |  |
| ● 48238-000LF |              | 32-28     | 30u" Gold | 72K2285   | 0.27       |  |
| ● 47743-000LF |              | 26-22     | 40u" Gold | 72K2273   | 0.56       |  |
| ● 47715-000LF |              | 26-22     | 100u" Tin | 62K6036   | 0.21       |  |
| ● 48254-000LF | Ultra-High   | 26-22     | 15u" Gold | 84K5757   | 0.27       |  |
| ● 48234-000LF |              | 26-22     | 30u" Gold | 84K5748   | 0.41       |  |
| ● 47750-000LF |              | 26-22     | 100u" Tin | 53K1418   | 0.16       |  |
| ● 48257-000LF |              | 26-22     | 15u" Gold | 68K1816   | 0.27       |  |
| ● 48236-000LF |              | 26-22     | 30u" Gold | 72K2284   | 0.28       |  |
| ● 48239-000LF |              | 30u" Gold | 84K5751   | 0.17      |            |  |
| ● 47745-000LF |              | 26-22     | 40u" Gold | 72K2274   | 0.56       |  |

(8372)

CLINCHER™ FLAT FLEX MALE AND FEMALE CONNECTORS



For use with thin film conductive ink circuits whose total combined thickness of conductor and insulation does not exceed 0.006" (0.152). Simultaneously terminate flat conductor, flat cable or flexible circuitry without cable stripping. Mate with 0.025" (0.635) square or round pins on 0.100" (2.54) centers. Dual-metal PV™ contacts provide excellent electrical and mechanical performance. Clinching portion of contact forms gastight crimp to prevent contamination. Cupro-nickel contacts plated with 100u" tin/lead finish. Available with 30u" gold plating; go online or call. Current rating: 2A. Resistance: 15mΩ maximum. Maximum insertion force: 3N per contact. Minimum withdrawal force: 0.30N per contact. Blue polypropylene body, rated UL94V-0. Insulation resistance: 5x10<sup>10</sup> MΩ minimum. Temperature range: -65°C to +105°C. Withstanding voltage: >500Vrms at sea level. UL recognized, CSA certified. NOTE: To order parts for conductive ink circuits less than 0.00" (0.15) total thickness, change first digit after dash in mfg. part no. from "0" to "4"; for example: 65801-039 would be changed to 65801-139. Male Clincher™ connectors are available with up to 32 positions; go online or call.

FEMALE CLINCHER™ CONNECTORS - TIN PLATED

| Mfg. Part No. | Positions | Dimensions |        |        | Stock No. | Price Each |  |
|---------------|-----------|------------|--------|--------|-----------|------------|--|
|               |           | A          | B      | C      |           | 1-24       |  |
| ● 65801-003LF | 3         | 0.200"     | 0.490" | 0.415" | 43K4468   | 0.81       |  |
| ● 65801-004LF | 4         | 0.300"     | 0.590" | 0.515" | 53K1446   | 0.66       |  |
| ● 65801-006LF | 6         | 0.500"     | 0.790" | 0.715" | 53K1448   | 1.08       |  |
| ● 65801-007LF | 7         | 0.600"     | 0.890" | 0.815" | 93K4805   | 1.93       |  |
| ● 65801-008LF | 8         | 0.700"     | 0.990" | 0.915" | 53K1450   | 0.96       |  |
| ● 65801-009LF | 9         | 0.800"     | 1.090" | 1.015" | 53K1451   | 1.08       |  |
| ● 65801-010LF | 10        | 0.900"     | 1.190" | 1.115" | 53K1452   | 1.25       |  |
| ● 65801-011LF | 11        | 1.000"     | 1.290" | 1.215" | 53K1453   | 1.32       |  |
| ● 65801-012LF | 12        | 1.100"     | 1.390" | 1.315" | 53K1454   | 1.63       |  |
| ● 65801-014LF | 14        | 1.300"     | 1.590" | 1.515" | 53K1455   | 1.79       |  |
| ● 65801-015LF | 15        | 1.400"     | 1.690" | 1.615" | 53K1456   | 2.26       |  |
| ● 65801-016LF | 16        | 1.500"     | 1.790" | 1.715" | 93K4813   | 2.06       |  |
| ● 65801-020LF | 20        | 1.900"     | 2.190" | 2.115" | 93K4816   | 2.49       |  |
| ● 65801-022LF | 22        | 2.100"     | 2.390" | 2.315" | 75K3344   | ---        |  |

FEMALE CLINCHER™ CONNECTORS - 30u" GOLD PLATED

|               |    |        |        |        |         |      |  |
|---------------|----|--------|--------|--------|---------|------|--|
| ● 65801-034LF | 5  | 0.400" | 0.690" | 0.615" | 53K1459 | 1.37 |  |
| ● 65801-035LF | 6  | 0.500" | 0.790" | 0.715" | 53K1460 | 1.59 |  |
| ● 65801-037LF | 8  | 0.700" | 0.990" | 0.915" | 75K3356 | 1.70 |  |
| ● 65801-039LF | 10 | 0.900" | 1.190" | 1.115" | 75K3358 | 2.33 |  |
| ● 65801-041LF | 12 | 1.100" | 1.390" | 1.315" | 75K3360 | ---  |  |

CONTINUED

CLINCHER™ FLAT FLEX MALE AND FEMALE CONNECTORS (CONT.)

MALE CLINCHER™ CONNECTORS

| Mfg. Part No. | Positions | Dimensions |        |        | Stock No. | Price Each |  |
|---------------|-----------|------------|--------|--------|-----------|------------|--|
|               |           | A          | B      | C      |           | 1-24       |  |
| ● 66226-005LF | 5         | 0.400"     | 0.690" | 0.615" | 75K3537   | 1.15       |  |
| ● 66226-006LF | 6         | 0.500"     | 0.790" | 0.715" | 65K9470   | 1.29       |  |
| ● 66226-008LF | 8         | 0.700"     | 0.990" | 0.915" | 75K3538   | ---        |  |
| ● 66226-009LF | 9         | 0.800"     | 1.090" | 1.015" | 75K3539   | 1.49       |  |
| ● 66226-010LF | 10        | 0.900"     | 1.190" | 1.115" | 65K9472   | 1.71       |  |
| ● 66226-012LF | 12        | 1.100"     | 1.390" | 1.315" | 65K9474   | 1.62       |  |
| ● 66226-013LF | 13        | 1.200"     | 1.490" | 1.415" | 75K3540   | 1.74       |  |
| ● 66226-014LF | 14        | 1.300"     | 1.590" | 1.515" | 75K3541   | 2.10       |  |

(8371)

0.30mm (0.012") PITCH FFC/FPC CONNECTORS



- Current Rating: 0.2A
- Voltage Rating: 50V
- Housing: LP, UL94V-0 rated
- Contacts: Gold plated phosphor bronze
- Operating Temperature Range: -20°C to 85°C

500797 SERIES RIGHT ANGLE, SURFACE MOUNT, EASY-ON BOTTOM CONTACT STYLE RECEPTACLES

| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |  |
|---------------|----------|-----------------|-----------|------------|--|
|               |          |                 |           | 1-9        |  |
| ● 500797-2594 | 25       | Gold            | 87P1115   | 1.56       |  |

501628 SERIES RIGHT ANGLE, SURFACE MOUNT, EASY-ON BOTTOM CONTACT STYLE RECEPTACLES

|               |    |      |         |      |  |
|---------------|----|------|---------|------|--|
| ● 501628-2191 | 21 | Gold | 87P1119 | 2.16 |  |
| ● 501628-3591 | 35 | Gold | 87P1120 | 3.27 |  |
| ● 501628-4591 | 45 | Gold | 87P1121 | 4.09 |  |

502250 SERIES RIGHT ANGLE, SURFACE MOUNT, EASY-ON BACKFLIP DUAL CONTACT STYLE RECEPTACLES

|               |    |      |         |      |  |
|---------------|----|------|---------|------|--|
| ● 502250-2191 | 21 | Gold | 87P1129 | 1.74 |  |
| ● 502250-2791 | 27 | Gold | 87P1130 | 2.24 |  |
| ● 502250-3591 | 35 | Gold | 87P1131 | 3.73 |  |

54393 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF, BOTTOM CONTACT STYLE RECEPTACLES

|              |    |      |         |      |  |
|--------------|----|------|---------|------|--|
| ● 54393-2181 | 21 | Gold | 87P1132 | 1.86 |  |
| ● 54393-3982 | 39 | Tin  | 59J0698 | ---  |  |
| ● 54393-3981 | 39 | Gold | 63M2909 | 2.59 |  |

54809 SERIES SURFACE MOUNT, RIGHT ANGLE, ZIF, BOTTOM CONTACT STYLE FPC RECEPTACLES

|              |    |     |         |     |  |
|--------------|----|-----|---------|-----|--|
| ● 54809-3998 | 39 | Tin | 59J0785 | --- |  |
|--------------|----|-----|---------|-----|--|

(146389)

0.50mm (0.020") PITCH FFC/FPC CONNECTORS

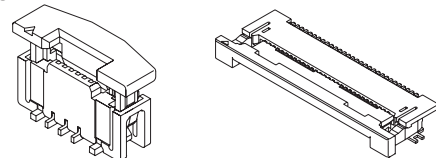


Fig. 1

Fig. 2

Voltage: 50 V. Current: 0.5 A, Series 51372 0.4A. Contact resistance: Series 51296, 51374, 51441, 54548, 54550: 40 mΩ max; Series 52435, 52437, 52559, 52689, 52745, 52746, 52892, 52893, 54104, 54132: 20 mΩ max. Dielectric withstanding voltage: 250 VAC/1 min. Insulation resistance: 50 MΩ min. Housing: Series 51296, 51374, 51441, 54548, 54550: Glass-filled LCP Liquid Crystal Polymer. Series 52435, 52437, 52559, 52689, 52745, 52746, 52892, 52893, 54104, 54132 4/6 nylon, UL 94V-0 rated. Contacts: Phosphor bronze. Operating temperature: -20°C to +85°C.

52559 SERIES VERTICAL, SURFACE MOUNT, ZIF RECEPTACLES (FIG. 1)

| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |       |       |
|---------------|----------|-----------------|-----------|------------|-------|-------|
|               |          |                 |           | 1-24       | 25-49 | 50-99 |
| ● 52559-1072  | 10       | Tin             | 58J9709   | 1.79       | 1.65  | 1.50  |
| ● 52559-1870  | 18       | Tin             | 58J9717   | ---        | ---   | ---   |
| ● 52559-3072  | 30       | Tin             | 57J3632   | ---        | ---   | ---   |
| ● 52559-4072  | 40       | Tin             | 56J6831   | ---        | ---   | ---   |

54104 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF, TOP CONTACT STYLE RECEPTACLES

|              |    |     |         |      |      |      |
|--------------|----|-----|---------|------|------|------|
| ● 54104-4096 | 40 | Tin | 03M3088 | 2.11 | 2.11 | 2.11 |
| ● 54104-5096 | 50 | Tin | 79J5734 | 2.10 | 2.10 | 2.10 |

54132 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF, BOTTOM CONTACT STYLE RECEPTACLES (FIG. 2)

|              |    |     |         |      |      |      |
|--------------|----|-----|---------|------|------|------|
| ● 54132-3097 | 30 | Tin | 59J0654 | 1.35 | 1.35 | 1.35 |
| ● 54132-4097 | 40 | Tin | 07P8585 | 1.95 | 1.95 | 1.95 |
| ● 54132-5097 | 50 | Tin | 56R1938 | 1.88 | 1.88 | 1.88 |

54548 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF, BOTTOM CONTACT STYLE RECEPTACLES

|              |    |     |         |      |      |      |
|--------------|----|-----|---------|------|------|------|
| ● 54548-1270 | 12 | Tin | 59J0725 | 1.10 | 1.10 | 1.10 |
|--------------|----|-----|---------|------|------|------|

501461 SERIES RIGHT ANGLE, SURFACE MOUNT, BOTTOM CONTACT STYLE RECEPTACLES

|               |   |      |         |      |      |      |
|---------------|---|------|---------|------|------|------|
| ● 501461-0401 | 4 | Gold | 87P1117 | 0.84 | 0.84 | 0.84 |
| ● 501461-0601 | 6 | Gold | 87P1118 | 0.61 | 0.61 | 0.61 |

CONTINUED

FLAT/FLEX RIBBON CABLE CONNECTORS

0.50mm (0.020") PITCH FFC/FPC CONNECTORS (CONT.)

502790 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF, DOUBLE BOTTOM CONTACT STYLE RECEPTACLES

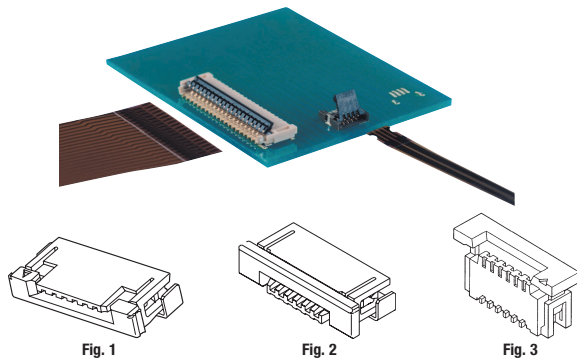
| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |       |       |
|---------------|----------|-----------------|-----------|------------|-------|-------|
|               |          |                 |           | 1-24       | 25-49 | 50-99 |
| ● 502790-3091 | 30       | Gold            | 58R1262   | 1.69       | 1.69  | 1.69  |
| ● 502790-4091 | 40       | Gold            | 58R1263   | 2.51       | 2.51  | 2.51  |
| ● 502790-6491 | 64       | Gold            | 58R1266   | 2.68       | 2.68  | 2.68  |
| ● 502790-8091 | 80       | Gold            | 58R1267   | 3.35       | 3.35  | 3.35  |

503480 SERIES BACKFLIP RIGHT ANGLE, SURFACE MOUNT, DUAL CONTACT STYLE RECEPTACLES

| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |       |       |
|---------------|----------|-----------------|-----------|------------|-------|-------|
|               |          |                 |           | 1-24       | 25-49 | 50-99 |
| ● 503480-0800 | 8        | Gold            | 76R6890   | 0.82       | 0.82  | 0.82  |
| ● 503480-1200 | 12       | Gold            | 76R6891   | 1.16       | 1.16  | 1.16  |
| ● 503480-1600 | 16       | Gold            | 76R6892   | ---        | ---   | ---   |
| ● 503480-2000 | 20       | Gold            | 76R6893   | 1.36       | 1.36  | 1.36  |

(89597)

1.00mm (0.039") PITCH FFC/FPC CONNECTORS



Voltage and current ratings: Series 52030, 52043, 52089, 52271, 52793, 52806, 52807, 52808, 52852: 50V 0.5A; Series 52103, 52207, 52610, 71226 125 V 1.0 A. Contact resistance: Series 52030, 52043, 52089, 52103, 52270, 52271, 52610, 71226: 20 mΩ max; Series 52793, 52806, 52807, 52808, 52852: 30 mΩ max. Dielectric withstanding voltage: 500 VAC/1 min. Insulation resistance: 100 MΩ min. Housing: Series 52030, 52043, 52089: % nylon, UL 94V-0; Series 52103, 52207, 52271, 52610: % nylon, UL 94V-0; Series 52793, 52806, 52807, 52808, 52852: PPS, UL 94V-0; Series 71226: blk nylon, UL 94V-0. Contacts: Phosphor bronze. Operating Temperature: -20°C to +85°C.

52030 SERIES THROUGH HOLE, VERTICAL, ZIF RECEPTACLES

| Mfg. Part No. | Circuits | Contact Plating | Stock No. | Price Each |       |         |
|---------------|----------|-----------------|-----------|------------|-------|---------|
|               |          |                 |           | 1-9        | 10-99 | 100-499 |
| ● 52030-3029  | 30       | Tin             | 58J9369   | 2.21       | 2.21  | 1.75    |

52043 SERIES THRU-HOLE, RIGHT-ANGLE, ZIF, BOTTOM CONTACT STYLE RECEPTACLES

|              |    |     |         |      |      |      |
|--------------|----|-----|---------|------|------|------|
| ● 52043-1019 | 10 | Tin | 58J9377 | 1.06 | 0.97 | 0.86 |
|--------------|----|-----|---------|------|------|------|

52207 SERIES SURFACE MOUNT, RIGHT ANGLE, ZIF, TOP CONTACT STYLE RECEPTACLES (FIG. 1)

|              |    |     |         |      |      |      |
|--------------|----|-----|---------|------|------|------|
| ● 52207-0485 | 4  | Tin | 58J9499 | 1.29 | 1.01 | 0.82 |
| ● 52207-0685 | 6  | Tin | 58J9501 | 1.18 | 0.91 | 0.58 |
| ● 52207-0885 | 8  | Tin | 07P8553 | 1.38 | 1.20 | 0.78 |
| ● 52207-1085 | 10 | Tin | 58J9503 | 1.69 | 1.37 | 0.95 |
| ● 52207-1485 | 14 | Tin | 07P8554 | 2.16 | 1.79 | 1.16 |
| ● 52207-1685 | 16 | Tin | 66K6176 | ---  | ---  | ---  |
| ● 52207-1885 | 18 | Tin | 07P8555 | ---  | ---  | ---  |
| ● 52207-2085 | 20 | Tin | 50M9208 | 1.93 | 1.66 | 1.33 |
| ● 52207-2285 | 22 | Tin | 58J9513 | 1.97 | 1.83 | 1.67 |
| ● 52207-2485 | 24 | Tin | 25M4383 | 1.96 | 1.79 | 1.58 |
| ● 52207-2685 | 26 | Tin | 07P8557 | 2.51 | 1.96 | 1.83 |
| ● 52207-3085 | 30 | Tin | 58J9519 | 3.35 | 2.97 | 2.53 |

52271 SERIES SURFACE MOUNT, RIGHT ANGLE, ZIF, BOTTOM CONTACT STYLE RECEPTACLES (FIG. 2)

|              |    |      |         |      |      |      |
|--------------|----|------|---------|------|------|------|
| ● 52271-0479 | 4  | Tin  | 58J9527 | 0.81 | 0.75 | 0.70 |
| ● 52271-0879 | 8  | Tin  | 16R3574 | 0.85 | 0.77 | 0.72 |
| ● 52271-1079 | 10 | Tin  | 58J9533 | 1.88 | 1.63 | 1.26 |
| ● 52271-1679 | 16 | Tin  | 58J9539 | 1.26 | 1.26 | 1.01 |
| ● 52271-2079 | 20 | Tin  | 58J9543 | 1.74 | 1.62 | 1.31 |
| ● 52271-2879 | 28 | Tin  | 31M8676 | 3.27 | 2.83 | 2.19 |
| ● 52271-0469 | 4  | Gold | 07P8558 | 1.48 | 1.10 | 0.77 |

52610 SERIES SURFACE MOUNT, VERTICAL, ZIF RECEPTACLES (FIG. 3)

|              |    |     |         |      |      |      |
|--------------|----|-----|---------|------|------|------|
| ● 52610-0671 | 6  | Tin | 07P8569 | 1.93 | 1.34 | 1.04 |
| ● 52610-0871 | 8  | Tin | 56R1737 | ---  | ---  | ---  |
| ● 52610-1271 | 12 | Tin | 58J9769 | 2.26 | 1.77 | 1.57 |
| ● 52610-1671 | 16 | Tin | 58J9775 | 2.50 | 2.30 | 1.72 |
| ● 52610-1871 | 18 | Tin | 58J9778 | 2.67 | 2.46 | 1.84 |
| ● 52610-2071 | 20 | Tin | 58J9781 | 3.08 | 2.84 | 2.13 |

52808 SERIES SURFACE MOUNT, VERTICAL, NON-ZIF RECEPTACLES

|              |   |     |         |      |      |      |
|--------------|---|-----|---------|------|------|------|
| ● 52808-0470 | 4 | Tin | 56J6495 | 0.21 | 0.21 | 0.20 |
|--------------|---|-----|---------|------|------|------|

(8452)

0.5mm PITCH FPC CONNECTORS



- Patented locking mechanism for improved connection stability
- Rated current: 0.5A
- Rated voltage: 50VDC
- Withstanding voltage: 250 SVAC for 1 minute
- XF2M series — 2mm low-profile, rotary-lock construction with double-sided contacts
- XF2J series — compact, 4.15mm low-profile with slide-locking, top-entry ZIF connector
- XF2L series — 1.2mm low-profile with slide-locking, side-entry ZIF connector
- Tape & Reel packaging

Highly reliable, low-profile XF2 series flexible printed circuit (FPC) connectors are ideal for a variety of compact surface mount electronics modules, from cell phones and PDAs, to thermostats and lighting controls. Other sizes in stock; go online or call.

XF2M SERIES DUAL-CONTACT ROTARY-LOCK ZIF CONNECTORS

| Mfg. Part No.  | Circuits | Stock No. | Price Each |       |
|----------------|----------|-----------|------------|-------|
|                |          |           | 1-24       | 25-49 |
| ● XF2M-1015-1A | 10       | 41M0933   | 1.10       |       |
| ● XF2M-1415-1A | 14       | 73K5690   | 1.26       |       |
| ● XF2M-1815-1A | 18       | 03M4577   | 1.22       |       |
| ● XF2M-2015-1A | 20       | 87K2157   | 1.40       |       |
| ● XF2M-4015-1A | 40       | 41M0934   | 2.15       |       |
| ● XF2M-4515-1A | 45       | 05M2035   | 1.97       |       |
| ● XF2M-5015-1A | 50       | 88K0922   | 2.54       |       |

XF2J SERIES DUAL-CONTACT SLIDE-LOCK ZIF CONNECTORS

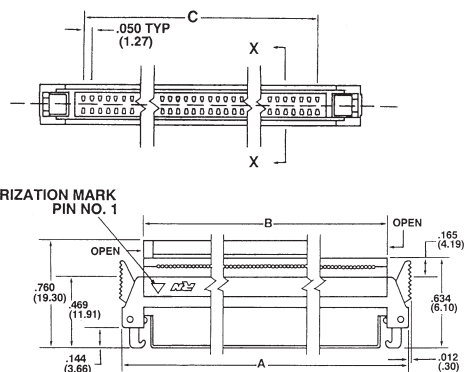
|                 |    |         |      |
|-----------------|----|---------|------|
| ● XF2J-2024-11A | 20 | 05M1979 | 2.16 |
| ● XF2J-2424-11A | 24 | 87K0738 | 2.12 |

XF2L SERIES UPPER-CONTACT SLIDE-LOCK ZIF CONNECTORS

|                |    |         |      |
|----------------|----|---------|------|
| ● XF2L-0425-1A | 4  | 05M1983 | 0.72 |
| ● XF2L-3025-1A | 30 | 05M2007 | 1.85 |

(68178)

PAK-50 P25E SERIES 0.050" IDC SOCKETS



- Latch/Ejector Mechanism for Mating and Unmating
- Can Be Daisy Chained
- Ribbon Contact Design
- Contacts Protected on 3 Sides
- Phosphor Bronze Contacts

Accommodate 30 AWG, 0.025" centerline cable; ordered separately on page 1220. Mate with P25E series IDC plugs, ordered separately on page 809. Contact resistance: 30MΩ. Current rating: 0.5A. Black, glass-filled nylon body, rated UL94V-0. Temperature range: -55°C to +105°C.

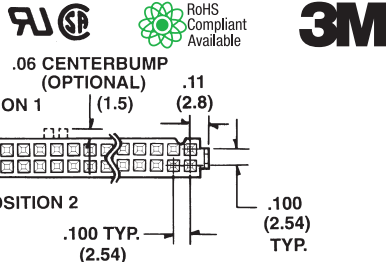
| Mfg. Part No.   | Contacts | Dimensions |        |        | Stock No. | Price Each |       |
|-----------------|----------|------------|--------|--------|-----------|------------|-------|
|                 |          | A          | B      | C      |           | 1-24       | 25-49 |
| ● P25E-040S-EA  | 40       | 1.596"     | 1.202" | 0.950" | 96K2149   | 9.01       | 8.70  |
| ● P25E-050-S-EA | 50       | 1.846"     | 1.452" | 1.200" | 96K2150   | 9.36       | 9.36  |
| ● P25E-068S-EA  | 68       | 2.596"     | 2.202" | 1.950" | 96K2152   | 11.05      | 10.21 |
| ● P25E-080-S-EA | 80       | 2.596"     | 2.202" | 1.950" | 96K2153   | 11.22      | 10.84 |
| ● P25E-100-S-EA | 100      | 3.096"     | 2.702" | 2.450" | 96K2154   | 12.69      | 11.72 |

(8779)



# FLAT/FLEX RIBBON CABLE CONNECTORS

## PAK100 0.100" x 0.100" WIREMOUNT IDC SOCKET CONNECTORS



- Standard 0.100 x 0.100" Grid Pattern
- Current Rating: 1 A
- Withstanding Voltage: 1000 V<sub>rms</sub>
- Accommodate 26 and 28 AWG Solid and Stranded Wire

- Reliable IDC Termination
- Mate with 3M 2500, 3000 and 4600 series 0.100" x 0.100" headers/plugs

Pre-assembled to reduce assembly cost. Double-recessed cover grooved for alignment. UL recognized, CSA certified.

### IDC CONNECTORS WITH CENTERBUMP

| Mfg. Part No. | Contacts | Length (in.) | Stock No. | Price Each |       |       |         |
|---------------|----------|--------------|-----------|------------|-------|-------|---------|
|               |          |              |           | 1-24       | 25-49 | 50-99 | 100-199 |
| ● 89110-0101  | 10       | 0.68         | 92F1483   | 0.49       | 0.42  | 0.37  | 0.35    |
| ● 89114-0101  | 14       | 0.88         | 92F1484   | 0.57       | 0.49  | 0.44  | 0.41    |
| ● 89116-0101  | 16       | 0.98         | 92F1485   | 0.55       | 0.47  | 0.42  | 0.39    |
| ● 89120-0101  | 20       | 1.18         | 92F1486   | 0.67       | 0.58  | 0.52  | 0.48    |
| ● 89124-0101  | 24       | 1.38         | 18C3903   | 0.86       | 0.74  | 0.66  | 0.62    |
| ● 89126-0101  | 26       | 1.48         | 92F1487   | 0.72       | 0.61  | 0.55  | 0.51    |
| ● 89130-0101  | 30       | 1.68         | 29C5745   | 1.09       | 1.00  | 0.90  | 0.84    |
| ● 89134-0101  | 34       | 1.88         | 92F1488   | 0.90       | 0.84  | 0.80  | 0.76    |
| ● 89136-0101  | 36       | 1.98         | 21K3928   | 1.05       | 0.96  | 0.95  | 0.89    |
| ● 89140-0101  | 40       | 2.18         | 92F1489   | 1.15       | 0.99  | 0.88  | 0.83    |
| ● 89144-0101  | 44       | 2.38         | 82H1063   | 1.00       | 0.92  | 1.01  | 0.95    |
| ● 89150-0101  | 50       | 2.68         | 92F1490   | 1.24       | 1.06  | 0.95  | 0.89    |
| ● 89160-0101  | 60       | 3.18         | 92F1491   | 1.23       | 1.13  | 1.11  | 1.04    |

### IDC SOCKET CONNECTORS WITHOUT CENTERBUMP

|              |    |      |         |      |      |      |      |
|--------------|----|------|---------|------|------|------|------|
| ● 89110-0001 | 10 | 0.68 | 91C4369 | 0.57 | 0.49 | 0.44 | 0.41 |
| ● 89116-0001 | 16 | 0.98 | 66H6823 | 0.61 | 0.52 | 0.47 | 0.44 |
| ● 89120-0001 | 20 | 1.18 | 50H7127 | 0.70 | 0.65 | 0.58 | 0.54 |
| ● 89124-0001 | 24 | 1.38 | 78H4104 | 0.94 | 0.87 | 0.85 | 0.80 |
| ● 89126-0001 | 26 | 1.48 | 91C4375 | 0.73 | 0.67 | 0.66 | 0.62 |
| ● 89130-0001 | 30 | 1.68 | 78H4105 | 1.03 | 0.88 | 0.79 | 0.74 |
| ● 89134-0001 | 34 | 1.88 | 78H4106 | 0.90 | 0.82 | 0.74 | 0.69 |
| ● 89140-0001 | 40 | 2.18 | 94C1701 | 1.10 | 1.01 | 1.00 | 0.93 |
| ● 89144-0001 | 44 | 2.38 | 21K3934 | 1.12 | 1.03 | 1.01 | 0.95 |
| ● 89150-0001 | 50 | 2.68 | 78H4107 | 1.35 | 1.20 | 1.08 | 1.01 |
| ● 89160-0001 | 60 | 3.18 | 78H4108 | 1.45 | 1.24 | 1.11 | 1.04 |

### STRAIN RELIEF FOR 891 SERIES IDC SOCKETS

| Mfg. Part No. | Contacts | Stock No. | Price Each |       |       |         |
|---------------|----------|-----------|------------|-------|-------|---------|
|               |          |           | 1-24       | 25-49 | 50-99 | 100-199 |
| ● 3448-89110  | 10       | 92F1492   | 0.20       | 0.18  | 0.17  | 0.16    |
| ● 3448-89114  | 14       | 92F1493   | 0.20       | 0.18  | 0.17  | 0.16    |
| ● 3448-89116  | 16       | 92F1494   | 0.15       | 0.13  | 0.13  | 0.13    |
| ● 3448-89120  | 20       | 92F1495   | 0.20       | 0.18  | 0.17  | 0.16    |
| ● 3448-89126  | 26       | 92F1496   | 0.20       | 0.18  | 0.17  | 0.16    |
| ● 3448-89134  | 34       | 69K1042   | 0.20       | 0.18  | 0.17  | 0.16    |
| ● 3448-89140  | 40       | 92F1498   | 0.20       | 0.18  | 0.17  | 0.16    |
| ● 3448-89150  | 50       | 92F1499   | 0.20       | 0.18  | 0.17  | 0.16    |
| ● 3448-89160  | 60       | 92F1500   | 0.24       | 0.22  | 0.22  | 0.22    |

### PULL TABS FOR IDC SOCKETS

|              |       |         |      |      |      |      |
|--------------|-------|---------|------|------|------|------|
| ● 3490-89140 | 40-60 | 92F1504 | 0.21 | 0.20 | 0.19 | 0.18 |
| ● 3490-89110 | 10-20 | 92F1502 | 0.16 | 0.15 | 0.15 | 0.12 |

## D89 SERIES 0.100" x 0.100" WIRE MOUNT IDC SOCKETS



- For 0.050" pitch flat ribbon cable, 26 and 28 AWG stranded
- Preassembled for high-efficiency termination
- Double-recessed cover for cable terminating from either side
- Military polarization, with or without centerbump

3M™ D89 series wire mount sockets are designed for wire-to-board stacking applications, such as communications networking equipment, medical devices, industrial/factory automation equipment, infotainment/gaming and military systems. Features black, glass-filled polyester housing with 10µ" gold-plated phosphor bronze contacts. Polarization

➔ CONTINUED ➔

## D89 SERIES 0.100" x 0.100" WIRE MOUNT IDC SOCKETS (CONT.)

slots provide for quick connections while minimizing misalignments. Plastic strain relief minimizes stress on the socket/cable termination, ordered separately below. Mates with 3M™ D2500 series low-profile four-wall headers and D3000 series latch/ejector four-wall headers; ordered separately on page 807(136066). Select 3M™ 3365 series 0.050" pitch cable; ordered separately on pages 1219-1220. Current rating: 1A. Temperature range: -55°C to +105°C. UL recognized.

### MILITARY POLARIZATION — WITHOUT CENTERBUMP

| Mfg. Part No.   | Positions | Width In. (mm) | Stock No. | Price Each |       |
|-----------------|-----------|----------------|-----------|------------|-------|
|                 |           |                |           | 1-24       | 25-49 |
| ● D89110-0031HK | 10        | 0.53 (13.5)    | 12P7113   | 0.43       | 0.40  |
| ● D89114-0031HK | 14        | 0.73 (18.5)    | 12P7115   | 0.48       | 0.44  |
| ● D89116-0031HK | 16        | 0.83 (21.1)    | 12P7117   | 0.63       | 0.54  |
| ● D89120-0031HK | 20        | 1.03 (26.2)    | 12P7119   | 0.69       | 0.60  |
| ● D89126-0031HK | 26        | 1.33 (33.8)    | 12P7121   | 0.76       | 0.65  |
| ● D89130-0031HK | 30        | 1.53 (38.9)    | 12P7123   | 0.67       | 0.58  |
| ● D89134-0031HK | 34        | 1.73 (43.9)    | 12P7125   | 0.85       | 0.76  |
| ● D89140-0031HK | 40        | 2.03 (51.6)    | 12P7127   | 0.82       | 0.75  |
| ● D89150-0031HK | 50        | 2.53 (64.3)    | 12P7129   | 1.15       | 0.99  |

### MILITARY POLARIZATION — WITH CENTERBUMP\*

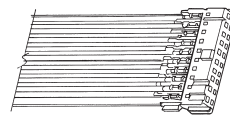
|                 |    |             |         |      |      |
|-----------------|----|-------------|---------|------|------|
| ● D89110-0131HK | 10 | 0.53 (13.5) | 12P7114 | 0.38 | 0.33 |
| ● D89114-0131HK | 14 | 0.73 (18.5) | 12P7116 | 0.59 | 0.51 |
| ● D89116-0131HK | 16 | 0.83 (21.1) | 12P7118 | 0.63 | 0.54 |
| ● D89120-0131HK | 20 | 1.03 (26.2) | 12P7120 | 0.69 | 0.60 |
| ● D89126-0131HK | 26 | 1.33 (33.8) | 12P7122 | 0.76 | 0.65 |
| ● D89130-0131HK | 30 | 1.53 (38.9) | 12P7124 | 0.69 | 0.63 |
| ● D89134-0131HK | 34 | 1.73 (43.9) | 12P7126 | 0.88 | 0.76 |
| ● D89140-0131HK | 40 | 2.03 (51.6) | 12P7128 | 1.01 | 0.86 |
| ● D89150-0131HK | 50 | 2.53 (64.3) | 12P7130 | 1.15 | 0.99 |

\*Centerbump prevents premature latch locking during shipment

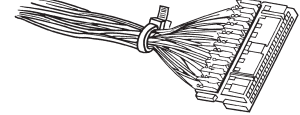
### STRAIN RELIEFS

| Mfg. Part No. | For No. of Positions | Width In. (mm) | Stock No. | Price Each |       |
|---------------|----------------------|----------------|-----------|------------|-------|
|               |                      |                |           | 1-24       | 25-49 |
| ● D3448-89110 | 10                   | 0.68 (17.3)    | 12P7100   | 0.16       | 0.15  |
| ● D3448-89116 | 16                   | 0.98 (24.9)    | 12P7102   | 0.20       | 0.18  |
| ● D3448-89120 | 20                   | 1.18 (30.0)    | 12P7103   | 0.20       | 0.18  |
| ● D3448-89126 | 26                   | 1.48 (37.6)    | 12P7104   | 0.20       | 0.18  |
| ● D3448-89130 | 30                   | 1.68 (42.7)    | 12P7105   | 0.20       | 0.18  |
| ● D3448-89134 | 34                   | 1.88 (47.8)    | 12P7106   | 0.16       | 0.15  |
| ● D3448-89140 | 40                   | 2.18 (55.4)    | 12P7107   | 0.20       | 0.18  |
| ● D3448-89150 | 50                   | 2.68 (68.1)    | 12P7108   | 0.20       | 0.18  |

## 0.100" x 0.100" POLARIZED WIRE MOUNT SOCKETS



CHG2010



CHG2016

- 2-Row Socket with Polarized Body
- Mate with 3M Brand Headers and Plugs
- Twin IDC Slots

- Accommodate Discrete Wire or Notched Flat Cable
- Compatible with Military Polarized Body

Wire options: 22 AWG stranded and 24 AWG (KEP version); additional version for 26 AWG and 28 AWG (KCP version). Order CHG series pistol-grip activator tool separately; go online or call. Color: gray. UL 94V-0 rated.

### WIREMOUNT SOCKET WITH CENTERBUMP—22-24 AWG

| Mfr. Part No.         | Contacts | Stock No. | Price Each |  |
|-----------------------|----------|-----------|------------|--|
|                       |          |           | 1-9        |  |
| ● CHG2010J01010KEP    | 10       | 48F3035   | 5.11       |  |
| ● CHG-2014-J01010-KEP | 14       | 34H3366   | 4.84       |  |
| ● CHG2016J01010KEP    | 16       | 48F3036   | 4.39       |  |
| ● CHG2020J01010KEP    | 20       | 48F3037   | 5.20       |  |
| ● CHG-2024-J01010-KEP | 24       | 01C8123   | 5.00       |  |
| ● CHG2026J01010KEP    | 26       | 18C3845   | 6.77       |  |
| ● CHG-2030-J01010-KEP | 30       | 65H8478   | 5.47       |  |
| ● CHG2034J01010KEP    | 34       | 48F3038   | 5.90       |  |
| ● CHG2040J01010KEP    | 40       | 48F3040   | 7.06       |  |
| ● CHG2050J01010KEP    | 50       | 18C3846   | 8.65       |  |
| ● CHG-2060-J01010-KEP | 60       | 70C5501   | 9.11       |  |
| ● CHG-2064-J01010-KEP | 64       | 70C5500   | 9.73       |  |

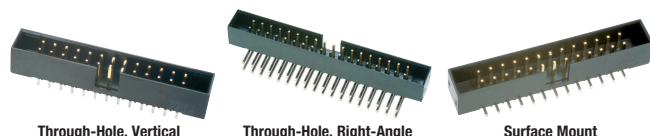
### WIREMOUNT SOCKET WITH CENTERBUMP—26-28 AWG

|                       |    |         |      |
|-----------------------|----|---------|------|
| ● CHG-2010-J01010-KCP | 10 | 65H6820 | 5.11 |
| ● CHG-2016-J01010-KCP | 16 | 81H2553 | 3.60 |
| ● CHG-2020-J01010-KCP | 20 | 96B1674 | 4.16 |
| ● CHG2026J01010KCP    | 26 | 18C3843 | 6.77 |
| ● CHG-2040-J01010-KCP | 40 | 20K7860 | 5.99 |
| ● CHG-2050-J01010-KCP | 50 | 03H2869 | 6.93 |

(40672)

FLAT/FLEX RIBBON CABLE CONNECTORS

957 SERIES DUAL-ROW 2MM x 2MM LOW-PROFILE BOX HEADERS



- Vertical and right-angle solder tail and right-angle surface mount versions
- High temperature dielectric
- "No lead" wave and reflow solder compatible
- Maximizes use of PC board space
- Center slot polarization prevents mis-insertions and reduces insertion time

3M™ 957 series low-profile box headers provide a robust system solution for 2mm applications. Designed for board stacking applications where board space and stack height are a concern. Additionally, these headers can be used in wire-to-board applications since it's mating compatible with 3M™ 1522 series 2mm x 2mm IDC wire mount sockets and 2M series 2mm x 2mm molded-on socket assemblies; *ordered separately, go online or call.* Applications include communications networking equipment, medical devices, industrial/factory automation equipment, and COTS military systems. Features 0.5mm copper alloy square pins with 10µm gold plating on wiping area, these headers qualified in accordance with European requirements for IEC Performance Class 3. Housing is constructed of black, high-temperature thermoplastic, allowing for high temperature processing in lead-free environments up to 260°C (profile per J-STD-020C). Flammability rated: UL 94V-0. Current rating: 1A. Withstanding voltage: 1000V. Temperature range: -40°C to +105°C.

THROUGH-HOLE MOUNT, VERTICAL SOLDER TAIL

| Mfg. Part No.    | Positions | Stock No. | Price Each |       |
|------------------|-----------|-----------|------------|-------|
|                  |           |           | 1-24       | 25-49 |
| ● 957210-6002-AR | 10        | 12P6900   | 1.65       | 1.57  |
| ● 957212-6002-AR | 12        | 12P6903   | 1.33       | 1.26  |
| ● 957226-6002-AR | 26        | 12P6908   | 1.79       | 1.69  |
| ● 957240-6002-AR | 40        | 12P6910   | 3.15       | 2.67  |
| ● 957244-6002-AR | 44        | 12P6913   | 3.37       | 3.18  |
| ● 957250-6002-AR | 50        | 12P6916   | 3.42       | 3.23  |

THROUGH-HOLE MOUNT, RIGHT-ANGLE SOLDER TAIL

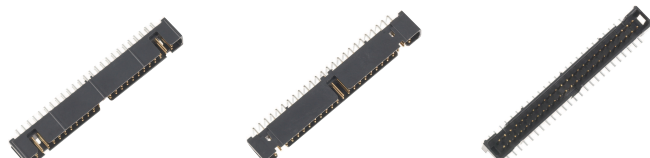
|                  |    |         |      |      |
|------------------|----|---------|------|------|
| ● 957210-5002-AR | 10 | 12P6899 | 1.60 | 1.51 |
| ● 957212-5002-AR | 12 | 12P6902 | 1.65 | 1.57 |
| ● 957226-5002-AR | 26 | 12P6907 | 1.97 | 1.86 |
| ● 957240-5002-AR | 40 | 12P6909 | 3.01 | 2.84 |
| ● 957244-5002-AR | 44 | 12P6912 | 3.70 | 3.50 |
| ● 957250-5002-AR | 50 | 12P6915 | 5.03 | 4.58 |

SURFACE MOUNT, RIGHT-ANGLE

|                     |    |         |      |      |
|---------------------|----|---------|------|------|
| ● 957210-2000-AR-TP | 10 | 12P6898 | 1.80 | 1.53 |
| ● 957212-2000-AR-TP | 12 | 12P6901 | 1.60 | 1.51 |
| ● 957220-2000-AR-TP | 20 | 12P6904 | 2.02 | 1.91 |
| ● 957226-2000-AR-TP | 26 | 12P6906 | 2.39 | 2.26 |
| ● 957244-2000-AR-TP | 44 | 12P6911 | 3.61 | 3.41 |
| ● 957250-2000-AR-TP | 50 | 12P6914 | 4.59 | 4.34 |

(135973)

D2500 SERIES 0.100" x 0.100" LOW-PROFILE FOUR-WALL HEADERS



- Space saving low-profile design
- Choice of through-hole vertical or right-angle and surface mount vertical configurations
- Center slot polarization for quick connections while minimizing mis-insertions
- Dual slot polarization offers broader compatibility with other polarization designs
- High temperature housing suitable for "no-lead" soldering

3M™ D2500 series low-profile four-wall headers are available in through-hole vertical or right-angle and surface mount vertical designs. All feature a black, high temperature glass-filled polyester (PBT and PCT) housing, flammability rated UL 94V-0. Brass contacts are plated with 10µm gold in wiping area, 40-120µm matte tin on solder tails, and underplated with 50-100µm nickel. Mates with 3M™ D89 series wire mount IDC sockets; *ordered separately on page 806.* Current rating: 2A. Temperature range: -55°C to +105°C. UL recognized.

THROUGH-HOLE, VERTICAL

| Mfg. Part No.   | Positions | Width In. (mm) | Stock No. | Price Each |       |
|-----------------|-----------|----------------|-----------|------------|-------|
|                 |           |                |           | 1-24       | 25-49 |
| ● D2510-6002-AR | 10        | 0.788 (20.02)  | 12P7051   | 1.22       | 1.04  |
| ● D2514-6002-AR | 14        | 0.988 (25.10)  | 12P7054   | 1.26       | 1.08  |
| ● D2516-6002-AR | 16        | 1.088 (27.64)  | 12P7057   | 1.35       | 1.20  |
| ● D2520-6002-AR | 20        | 1.288 (32.72)  | 12P7060   | 1.36       | 1.25  |
| ● D2526-6002-AR | 26        | 1.588 (40.34)  | 12P7063   | 1.46       | 1.34  |
| ● D2530-6002-AR | 30        | 1.788 (45.42)  | 12P7066   | 2.12       | 1.94  |
| ● D2534-6002-AR | 34        | 1.988 (50.50)  | 12P7069   | 1.75       | 1.61  |
| ● D2540-6002-AR | 40        | 2.288 (55.12)  | 12P7072   | 2.18       | 1.87  |
| ● D2550-6002-AR | 50        | 2.788 (70.82)  | 12P7075   | 1.89       | 1.62  |

➔ CONTINUED ➔

D2500 SERIES 0.100" x 0.100" LOW-PROFILE FOUR-WALL HEADERS (CONT.)

| Mfg. Part No.   | Positions | Width In. (mm) | Stock No. | Price Each |       |
|-----------------|-----------|----------------|-----------|------------|-------|
|                 |           |                |           | 1-24       | 25-49 |
| ● D2510-5002-AR | 10        | 0.788 (20.02)  | 12P7049   | 1.34       | 1.15  |
| ● D2514-5002-AR | 14        | 0.988 (25.10)  | 12P7052   | 1.20       | 1.02  |
| ● D2516-5002-AR | 16        | 1.088 (27.64)  | 12P7055   | 1.31       | 1.21  |
| ● D2520-5002-AR | 20        | 1.288 (32.72)  | 12P7058   | 1.50       | 1.38  |
| ● D2526-5002-AR | 26        | 1.588 (40.34)  | 12P7061   | 1.46       | 1.34  |
| ● D2530-5002-AR | 30        | 1.788 (45.42)  | 12P7064   | 1.97       | 1.81  |
| ● D2534-5002-AR | 34        | 1.988 (50.50)  | 12P7067   | 1.79       | 1.51  |
| ● D2540-5002-AR | 40        | 2.288 (55.12)  | 12P7070   | 1.88       | 1.73  |
| ● D2550-5002-AR | 50        | 2.788 (70.82)  | 12P7073   | 2.31       | 2.12  |

SURFACE MOUNT, VERTICAL

| Mfg. Part No.      | Positions | Width In. (mm) | Stock No. | Tape Cut Price Each |       |
|--------------------|-----------|----------------|-----------|---------------------|-------|
|                    |           |                |           | 1-24                | 25-49 |
|                    |           |                |           | ● D2510-6VOC-AR-WD  | 10    |
| ● D2514-6VOC-AR-WD | 14        | 0.988 (25.10)  | 12P7053   | 1.30                | 1.19  |
| ● D2516-6VOC-AR-WE | 16        | 1.088 (27.64)  | 12P7056   | 1.42                | 1.31  |
| ● D2520-6VOC-AR-WE | 20        | 1.288 (32.72)  | 12P7059   | 1.51                | 1.29  |
| ● D2526-6VOC-AR-WF | 26        | 1.588 (40.34)  | 12P7062   | 1.86                | 1.60  |
| ● D2530-6VOC-AR-WF | 30        | 1.788 (45.42)  | 12P7065   | 2.80                | 2.40  |
| ● D2534-6VOC-AR-WF | 34        | 1.988 (50.50)  | 12P7068   | 2.29                | 1.96  |
| ● D2540-6VOC-AR-WH | 40        | 2.288 (55.12)  | 12P7071   | 2.15                | 1.97  |
| ● D2550-6VOC-AR-WG | 50        | 2.788 (70.82)  | 12P7074   | 2.41                | 2.22  |

(136065)

TYPE CHG ASSEMBLY HEAD



Use to assemble discrete wire to type CHG wire mount sockets; *ordered separately on page 806.*

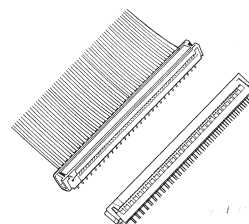
| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| 3624-42       | 98F9330   | 910.93     |

(83844)

PAK 100 7800 SERIES 0.100" x 0.100" 2-ROW PC BOARD CONNECTORS



- Fits standard 0.100" x 0.100" header pin layout
- Uses less board area than 4-row design
- 7.3mm terminated height for applications requiring low profile off the board
- Accommodates 28AWG solid and stranded cable
- Current rating: 1A
- Temperature rating: -55°C to +105°C
- Color : Gray



SOLDER TAIL LENGTH: 2.8 mm

| Mfg. Part No. | Contacts | Length (mm) | Stock No. | Price Each |
|---------------|----------|-------------|-----------|------------|
|               |          |             |           | 1-24       |
| ● 7810-0000PR | 10       | 17.4        | 84K8125   | 2.29       |
| ● 7820-0000PR | 20       | 30.1        | 10M8281   | 2.11       |
| ● 7826-0000PR | 26       | 37.7        | 18M8272   | 2.61       |
| ● 7834-0000PR | 34       | 47.9        | 18M8276   | 2.88       |
| ● 7840-0000PR | 40       | 55.5        | 18M8278   | 3.65       |
| ● 7850-0000PR | 50       | 68.2        | 18M8280   | 4.78       |

SOLDER TAIL LENGTH: 3.8 mm

|               |    |      |         |      |
|---------------|----|------|---------|------|
| ● 7820-0006PR | 20 | 30.1 | 18M8271 | 2.20 |
| ● 7826-0006PR | 26 | 37.7 | 18M8273 | 2.73 |
| ● 7834-0006PR | 34 | 47.9 | 18M8277 | 2.93 |
| ● 7850-0006PR | 50 | 68.2 | 18M8281 | ---  |

(89681)

FLAT/FLEX RIBBON CABLE CONNECTORS

PAK 100 3000 SERIES WIRE MOUNT SOCKET CONNECTORS



- Industry standard IDC socket
- Positive locking metal "J" clips provide high cover retention
- Mates with 3M headers, plugs and pin strips for quick connect/disconnect capability
- Open or closed end covers available
- Accepts flat cable or discrete wire
- Military polarization, with or without centerbump
- Transfer adhesive on covers provides precision alignment between connector and cables resulting in high yield terminations
- Availability of pull tab to facilitate proper unplugging
- Availability of 2 types of strain relief (standard and low profile) to isolate the IDC interface
- Set the standard for MIL spec and IEC standardization



0.100 x 0.100" (2.54 x 2.54) industry standard IDC polarizing socket connectors are available center-bumped or standard, in sizes 10 to 60 contacts, with open or closed end covers. Both standard socket and center-bumped socket connectors can be used with mating 3M headers and plug connectors. Accommodates flat cable or discrete wires. Wire accommodation: 26 AWG solid or stranded, 28 AWG solid or stranded; order separately on pages 1219-1220. UL recognized, file E68080; CSA certified. Order clip-on strain reliefs separately below.

POLARIZING SLOTS (OPEN END)

| Mfg. Part No. | Contacts | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-24       | 25-49 |
| ● 3473-6000   | 10       | 46F8392   | 1.85       | 1.71  |
| ● 3385-6000   | 14       | 87F3897   | 2.23       | 2.08  |
| ● 3452-6000   | 16       | 46F8354   | 2.44       | 2.26  |
| ● 3421-6000   | 20       | 46F8438   | 2.69       | 2.50  |
| ● 3626-6000   | 24       | 87F3890   | 3.08       | 2.99  |
| ● 3399-6000   | 26       | 46F8318   | 3.48       | 3.23  |
| ● 3419-6000   | 30       | 87F3898   | 3.20       | 3.20  |
| ● 3414-6000   | 34       | 46F8439   | 4.54       | 4.20  |
| ● 3417-6000   | 40       | 46F8440   | 5.32       | 4.93  |
| ● 3425-6000   | 50       | 90F8811   | 6.65       | 6.16  |
| ● 3334-6000   | 60       | 87F3899   | 8.24       | 7.64  |

CENTER-BUMPED POLARIZING (OPEN END)

|             |    |         |      |      |
|-------------|----|---------|------|------|
| ● 3473-6600 | 10 | 46F4655 | 1.85 | 1.71 |
| ● 3385-6600 | 14 | 46F4656 | 2.23 | 2.08 |
| ● 3452-6600 | 16 | 46F4657 | 2.44 | 2.26 |
| ● 3421-6600 | 20 | 46F4658 | 2.69 | 2.50 |
| ● 3626-6600 | 24 | 87F3891 | 3.23 | 2.99 |
| ● 3399-6600 | 26 | 46F4659 | 3.48 | 3.23 |
| ● 3419-6600 | 30 | 46F4660 | 3.81 | 3.71 |
| ● 3414-6600 | 34 | 46F4661 | 4.54 | 4.20 |
| ● 3417-6600 | 40 | 46F4662 | 5.32 | 4.93 |
| ● 3425-6600 | 50 | 46F4663 | 6.65 | 6.16 |
| ● 3334-6600 | 60 | 46F4664 | 8.24 | 7.64 |

POLARIZING SLOTS (CLOSED END)

|             |    |         |      |      |
|-------------|----|---------|------|------|
| ● 3473-7000 | 10 | 46F8305 | 1.96 | 1.82 |
| ● 3385-7000 | 14 | 90F1459 | 2.46 | 2.29 |
| ● 3452-7000 | 16 | 90F1461 | 2.46 | 2.39 |
| ● 3421-7000 | 20 | 90F1463 | 2.70 | 2.62 |
| ● 3626-7000 | 24 | 90F1454 | 3.38 | 3.15 |
| ● 3399-7000 | 26 | 46F8368 | 3.50 | 3.40 |
| ● 3414-7000 | 34 | 90F1464 | 4.51 | 4.38 |
| ● 3417-7000 | 40 | 90F1466 | 5.30 | 5.15 |
| ● 3425-7000 | 50 | 46F8395 | 5.54 | 5.54 |
| ● 3334-7000 | 60 | 90F1469 | 7.45 | 7.24 |

CENTER-BUMPED POLARIZING (CLOSED END)

|             |    |         |      |      |
|-------------|----|---------|------|------|
| ● 3473-7600 | 10 | 90F1476 | 1.96 | 1.82 |
| ● 3385-7600 | 14 | 90F1460 | 2.46 | 2.29 |
| ● 3452-7600 | 16 | 90F1462 | 2.58 | 2.39 |
| ● 3421-7600 | 20 | 90F1453 | 2.83 | 2.62 |
| ● 3626-7600 | 24 | 90F1455 | 2.95 | 2.87 |
| ● 3399-7600 | 26 | 90F1456 | 3.67 | 3.40 |
| ● 3419-7600 | 30 | 90F1458 | 4.21 | 3.90 |
| ● 3414-7600 | 34 | 90F1465 | 4.73 | 4.38 |
| ● 3417-7600 | 40 | 90F1467 | 5.56 | 5.15 |
| ● 3425-7600 | 50 | 90F1468 | 6.92 | 6.41 |
| ● 3334-7600 | 60 | 90F1470 | 8.16 | 7.92 |

CLIP-ON STRAIN RELIEFS FOR IDC SOCKETS

|             |    |         |      |      |
|-------------|----|---------|------|------|
| ● 3448-3010 | 10 | 46F4665 | 0.26 | 0.24 |
| ● 3448-3014 | 14 | 46F4666 | 0.26 | 0.24 |
| ● 3448-3016 | 16 | 46F4667 | 0.26 | 0.24 |
| ● 3448-3020 | 20 | 46F4668 | 0.26 | 0.24 |
| ● 3448-3024 | 24 | 87F3892 | 0.34 | 0.32 |
| ● 3448-3026 | 26 | 46F4669 | 0.26 | 0.24 |
| ● 3448-3030 | 30 | 46F4670 | 0.47 | 0.43 |
| ● 3448-3034 | 34 | 46F4671 | 0.26 | 0.24 |
| ● 3448-3040 | 40 | 46F4672 | 0.26 | 0.24 |

CONTINUED

PAK 100 3000 SERIES WIRE MOUNT SOCKET CONNECTORS (CONT.)

CLIP-ON STRAIN RELIEFS FOR IDC SOCKETS

| Mfg. Part No. | Contacts | Stock No. | Price Each |       |
|---------------|----------|-----------|------------|-------|
|               |          |           | 1-24       | 25-49 |
| ● 3448-3050   | 50       | 46F4673   | 0.26       | 0.24  |
| ● 3448-3060   | 60       | 46F4674   | 0.28       | 0.26  |

ACCESSORIES

| Mfg. Part No. | Description | Stock No. | Price Each |       |
|---------------|-------------|-----------|------------|-------|
|               |             |           | 1-9        | 10-24 |
| ● 3435-0      | Keying Plug | 92F1501   | 0.23       | 0.23  |

PULL TABS

| Mfg. Part No. | Length (in.) | Stock No. | Price Each |       |
|---------------|--------------|-----------|------------|-------|
|               |              |           | 1-9        | 10-24 |
| ● 3490-1      | 0.50         | 48M1292   | 0.25       | 0.24  |
| ● 3490-2      | 1.00         | 46F8378   | 0.27       | 0.26  |
| ● 3490-4      | 2.00         | 19M8489   | 0.37       | 0.37  |

(8508)

929 SERIES BOARD MOUNT SOCKETS

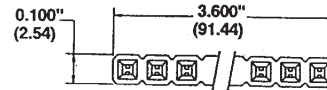


Fig. 1

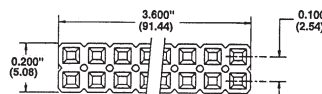


Fig. 2

- 0.100" Spacing Between All Contacts
- Single- and Dual-Row
- Tin-Lead Plating or Gold Plating Over Nickel
- Black Polybutylene Terephthalate (PBT) Insulation
- Flammability Rated UL94V-0
- Current Rating: 1A
- Withstanding Voltage: 1500Vrms
- Temperature Range: -40°C to +105°C

Mate with standard 0.025" round or square post headers. UL recognized.

TIN-LEAD PLATED

0.100" STRAIGHT SOLDER TAIL — SINGLE ROW, 36 CONTACTS

| Mfr. Part No.     | Fig. | Dimensions |        | Stock No. | Price Each |
|-------------------|------|------------|--------|-----------|------------|
|                   |      | A          | B      |           |            |
| ● 929974-01-36-RK | 1    | 0.325"     | 0.030" | 18M8296   | 1.95       |

0.100" STRAIGHT SOLDER TAIL — DUAL ROW, 2 x 36 CONTACTS

|              |   |        |        |        |     |
|--------------|---|--------|--------|--------|-----|
| 929975-01-36 | 2 | 0.325" | 0.030" | 50B190 | --- |
|--------------|---|--------|--------|--------|-----|

GOLD PLATED

0.100" STRAIGHT SOLDER TAIL — SINGLE ROW, 36 CONTACTS

|                   |   |        |        |         |      |
|-------------------|---|--------|--------|---------|------|
| ● 929850-01-36-10 | 1 | 0.325" | 0.030" | 46F4434 | 3.27 |
|-------------------|---|--------|--------|---------|------|

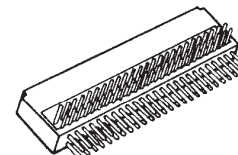
0.100" STRAIGHT SOLDER TAIL — DUAL ROW, 2 x 36 CONTACTS

|                   |   |        |        |         |      |
|-------------------|---|--------|--------|---------|------|
| ● 929852-01-36-10 | 2 | 0.325" | 0.030" | 46F4437 | 5.10 |
|-------------------|---|--------|--------|---------|------|

(8399)

INTRACONNECTORS

Intraconnectors mate 0.1 x 0.1" (2.54 x 2.54) dual-row connectors or 0.025" (0.635) square PC pins to test ribbon cable systems.



Intraconnector



INTRACONNECTORS

| Mfg. Part No. | Contacts | Stock No. | Price Each |  |
|---------------|----------|-----------|------------|--|
|               |          |           | 1-14       |  |
| 922576-20-I   | 20       | 65F198    | 22.88      |  |
| ● 922576-26-I | 26       | 65F199    | 25.31      |  |
| ● 922576-34-I | 34       | 65F200    | 26.57      |  |
| ● 922576-40-I | 40       | 65F201    | 29.15      |  |
| ● 922576-50-I | 50       | 65F202    | 31.50      |  |

(8351)