

RECEPTACLE STRIPS FOUR SIDED CONTACT PAGE 184

RS1B

26

G

SERIES INDICATOR

RS1B = Single row, vertical mount 4-sided contact receptacle strip
RS2B = Dual row, vertical mount 4-sided contact receptacle strip
RS1BR = Single row, right angle mount, 3-sided contact receptacle strip
RS2BR = Dual row, right angle mount, 3-sided contact receptacle strip

PLATING

G = Gold plated
T = Tin plated
SG = Gold plated contact area, tin plated solder tails

POSITIONS

Single row: 1 thru 40
 Dual row: 4 thru 80

RECEPTACLE STRIPS LOW PROFILE PAGE 183

RS1L

26

G

SERIES INDICATOR

RS1L = Single row, .216" body height
RS2L = Dual row, .216" body height

PLATING

G = Gold plated
T = Tin plated

POSITIONS

Single row: 1 thru 36
 Dual row: 4 thru 72

Datasheet.Live

RECEPTACLE STRIPS BOTTOM, PASS THROUGH OR DUAL ENTRY PAGE 185

RS2BE

A

40

G

SERIES INDICATOR

RS1BE = Single row, vertical mount, bottom, pass through or dual entry receptacle strip
RS2BE = Dual row, vertical mount, bottom, pass through or dual entry receptacle strip

PLATING

G = Gold plated

SOLDER TAIL FOOTPRINT

A = .100" x .150"
B = .100" x .200"
C = .100" x .300"
Blank = Single row

POSITIONS

Single Row: 1 thru 40
 Dual Row: 6 Thru 80

RECEPTACLE STRIPS VERY LOW PROFILE PAGE 187

RSVL

2A

26

G

SERIES INDICATOR

RSVL = Vertical Mount, very low profile receptacle strip

PLATING

G = Gold plated
T = Tin plated

PROFILE / NO. OF ROWS

1A = Single row, .138" body height
1B = Single row, .210" body height
2A = Dual row, .138" body height
2B = Dual row, .210" body height

POSITIONS

Single Row: 1 Thru 36
 Dual Row: 4 Thru 72

ADAM TECH

ADAM TECHNOLOGIES INC.

INTRODUCTION:

Adam Tech RS Series Receptacle Strips mate with .025" sq. posts and form a variety of precision, modular connections. They are ideally suited for parallel and perpendicular board-to-board connections as well as mating two subsystems together. These receptacles are constructed with precision dual or four sided wipe contacts and each have a anti-overstress feature molded into the insulator. Wide, chamfered angle entry holes enable easy mating and bottom standoffs facilitate post solder cleaning. They mate with any .025" sq. posts on .100" centerlines and are side and end stackable.

FEATURES:

- Choice of body heights with top or bottom entry
- Dual and four sided wipe contact design
- Spring temper phosphor bronze contacts
- Chamfered wide entry area for easy mating

MATING OPTIONS:

Adam Tech PH Series Pin Headers and all industry compatible connectors with .025" sq. posts

SPECIFICATIONS:

Material:

Insulator: Polybutylene Terephthalate (PBT), glass reinforced thermoplastic, rated UL 94V-0

Contacts: Phosphor Bronze

Plating:

- G = 5 µin gold nom. (optional 30 µin) to MIL-G-45204, Type II, Grade C min on contact area over 50 µin nickel underplate to QQ-N-290, Class 2, Grade C, gold flash on solder tails
- SG = 5 µin gold nom. on mating length to MIL-G-45204, Type II, Grade C, 100 µin tin to MIL-P-81738 on solder-tails
- T = 100 µin bright tin plate to MIL-T-10727, Type 1 with 50 µin copper underplate to MIL-C-14550

Electrical:

- Operation voltage: 250 VAC max
- Current rating: 3 Amps max
- Contact resistance: 20 mΩ max
- Insulation resistance: 5000 MΩ min @ 1500 VDC between adjacent contacts (75°F and 50% R.H.)
- Dielectric withstanding voltage: 1500 VAC min rms (sea level)
- Capacitance: 1.0 pF max between adjacent contacts

Mechanical:

- Insertion force: 6 ozs. per contact max
- Withdrawal force: 2 ozs. per contact max
- Mating cycles: 250 cycles min
- Contact retention in body: 3 lbs. min
- Mating pin range: .022" sq. to .028" sq.
- Insertion Depth: .080" to .250"

Environmental:

Operating temperature: -65°C to +125°C

PACKAGING:

Anti-static plastic trays

APPROVALS AND CERTIFICATIONS:

Recognized under the component program of Underwriters Laboratories, Inc. No. E167232
Certified by Canadian Standards Association No. LR75112

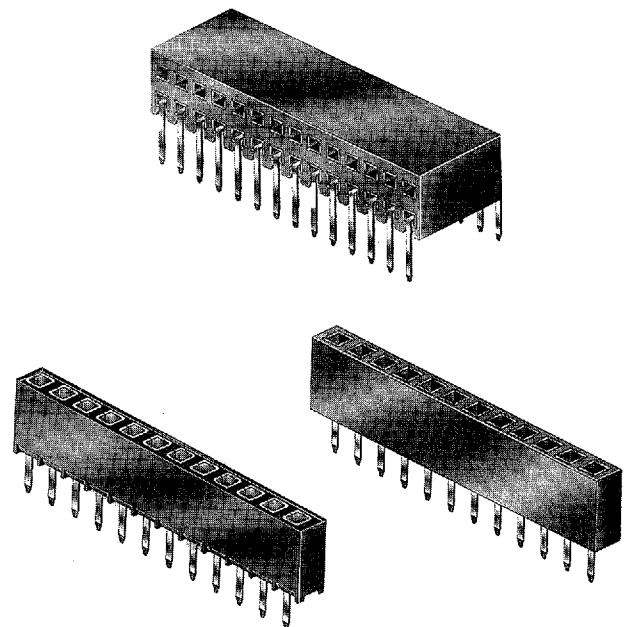


RECEPTACLE STRIPS

SINGLE AND DUAL ROW

.100" [2.54] CENTERLINE

RS SERIES



ORDERING INFORMATION

RS1	31	G
SERIES INDICATOR		PLATING
RS1 = Single row vertical mount receptacle		G = Gold plated
RS1R = Single row right angle mount receptacle		T = Tin plated
RS2 = Dual row vertical mount receptacle		SG = Gold plating in contact area, Tin-Lead Plated solder tails
RS2R = Dual row right angle mount receptacle		
	POSITIONS	
	Single row: 1 thru 43	
	Dual row: 2 thru 80	

OPTIONS:

Add as suffix to basic part number
30 = 30 µin gold plating on contact area

9017931 0000203 929

RS1B

Top View Dimensions:
 Height: .138 [3.50]
 Pitch: .100 [2.54]
 Body Length: .260 [6.60]
 Contact Spacing: .100 [2.54]

Side View Dimensions:
 Body Length: .260 [6.60]
 Contact Height: .124 [3.15]
 Contact Width: .025 (.64) X .016 (.46)

Detail View Dimensions:
 Contact Height: .020 [.500]

PC Board Layout

PC Board Layout Dimensions:
 Pitch: .100 [2.54]
 Contact Diameter: Dia. .040 [1.02]

A = .100 [2.54] X No. of Positions
 B = .100 [2.54] X No. of Spaces

4 Sided Contact

RS2B

Top View Dimensions:
 Height: .236 [6.00]
 Pitch: .100 [2.54]
 Body Length: .260 [6.60]
 Contact Spacing: .100 [2.54]

Side View Dimensions:
 Body Length: .260 [6.60]
 Contact Height: .124 [3.15]
 Contact Width: .025 (.64) X .018 (.46)

Detail View Dimensions:
 Contact Height: .020 [.500]
 Contact Spacing: .100 [2.54]

PC Board Layout

PC Board Layout Dimensions:
 Pitch: .100 [2.54]
 Contact Diameter: Dia. .040 [1.02]

A = .100 [2.54] X No. of Positions Per Row
 B = .100 [2.54] X No. of Spaces

4 Sided Contact