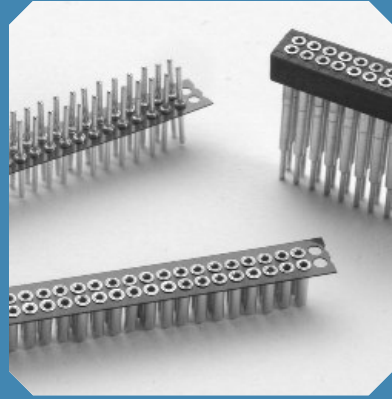


# Board to Board Connectors

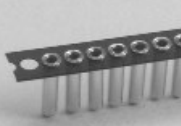

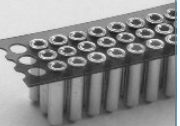
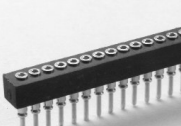
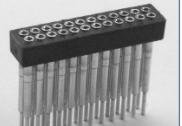



## .050/(1.27mm) Pitch Board to Board Connectors Molded and Peel-A-Way® Insulators



### Features:

- Male and female connectors are designed in mating pairs.
- .050/(1.27mm) row to row pitch.
- High reliability screw-machined terminals with closed-end construction for 100% anti-wicking of solder.
- For surface mount options, consult factory.
- Reliable mechanical support.
- Custom configurations available.

### Table of Models

	Single Row	Dual Row	Triple Row	
Female	 KBS	 KNS	 KTS	Description: Peel-A-Way® (KBS, KNS, KTS) Material: Polyimide Film Index: -269°C to 400°C (-452°F to 752°F)
	 FSDS	 RDDS (RDD*)		
Male	 KBA	 KNA (KDA*)	 KTA	Description: Peel-A-Way® (KBA, KNA, KDA, KTA) Material: Polyimide Film Index: -269°C to 400°C (-452°F to 752°F)

\* RDD and KDA have .100/(2.54mm) pitch between rows.

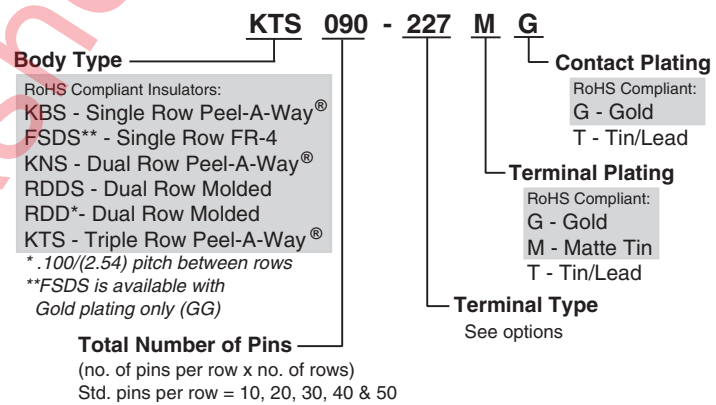
Note: FSDS replaces SDS, HSDS, and RSDS.

RDDS replaces DDS and HDDS.

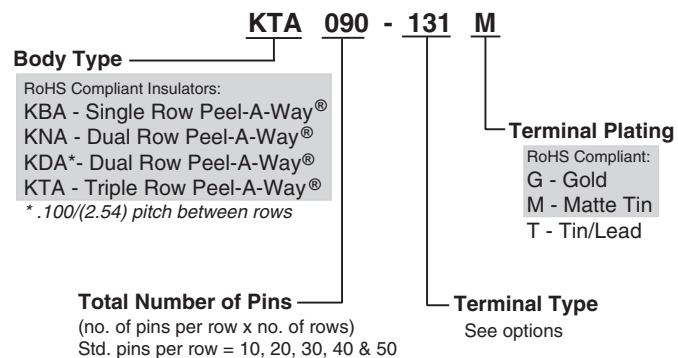
RDD replaces DD.

### How To Order

#### Female



#### Male



Note: Terminals plated with Matte Tin are available only with Gold plated contacts.

Quick-Turn delivery is not available on products with Matte Tin plating.

Products shown covered by patents issued and/or pending. Specifications subject to change without notice.



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inch/(mm)

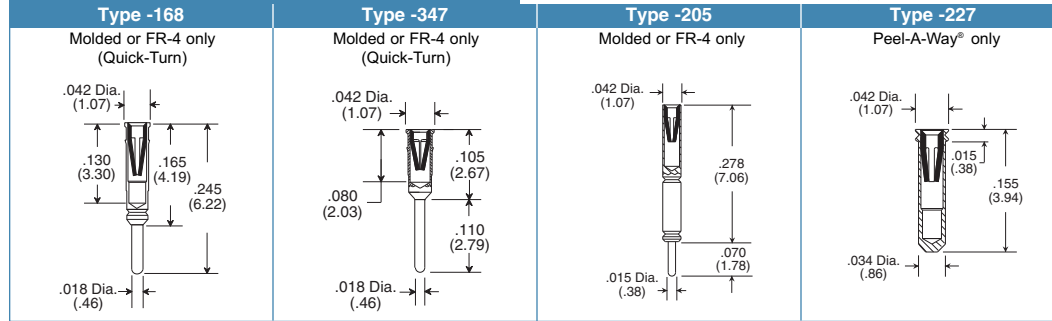
# .050/(1.27mm) Pitch Board to Board Connectors

## Molded and Peel-A-Way® Insulators



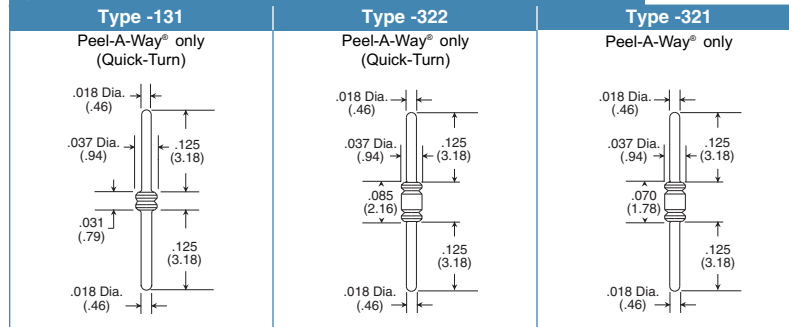
Additional standard and custom terminals available. See Terminals section or consult factory.

### Standard Female Terminals

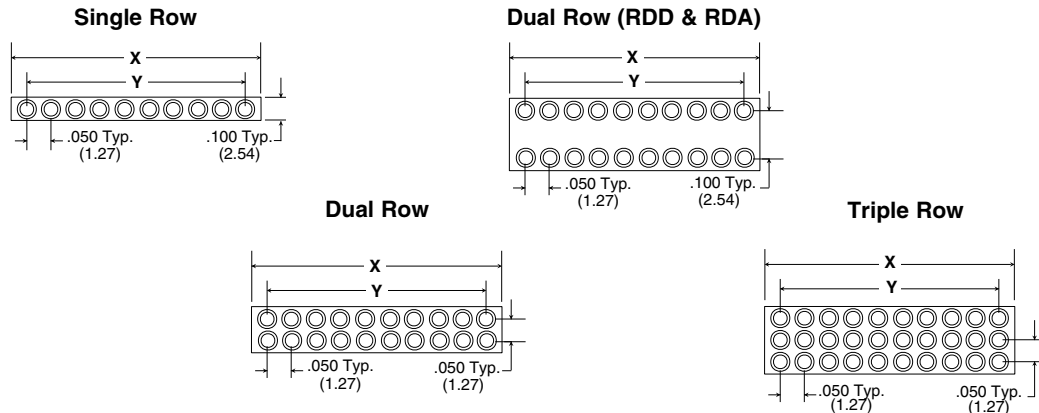


Note: RDDS and RDD are not available with Quick-Turn delivery.

### Standard Male Terminals - Thru-Hole



### Dimensional Information



#### Molded or FR-4

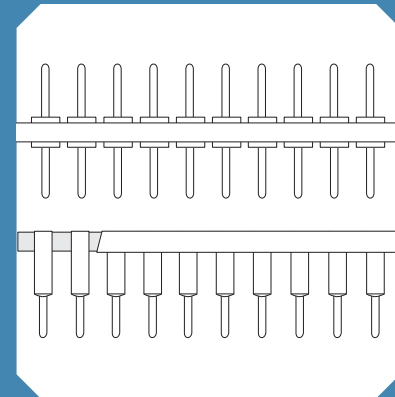
Total # of Pins per Connector			# of Pins Per Row	X in. (mm)	Y in. (mm)
Single	Dual	Triple			
010	020	030	10	.550 (13.97)	.450 (11.43)
020	040	060	20	1.050 (26.67)	.950 (24.13)
030	060	090	30	1.550 (39.37)	1.450 (36.83)
040	080	120	40	2.050 (52.07)	1.950 (49.53)
050	100	150	50	2.550 (64.77)	2.450 (62.23)

#### Peel-A-Way®

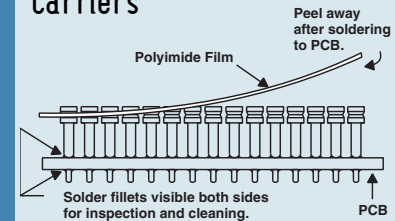
Total # of Pins per Connector			# of Pins Per Row	X in. (mm)	Y in. (mm)
Single	Dual	Triple			
010	020	030	10	.650 (16.51)	.450 (11.43)
020	040	060	20	1.150 (29.21)	.950 (24.13)
030	060	090	30	1.650 (41.91)	1.450 (36.83)
040	080	120	40	2.150 (54.61)	1.950 (49.53)
050	100	150	50	2.650 (67.31)	2.450 (62.23)

Multiply number of rows by number of pins per row for total pin count in part number.

# Board to Board Connectors



### Peel-A-Way® Removable Carriers



1. Place socket on PC board.
2. Send PC board and socket through soldering operation.
3. Peel away polyimide film carrier for complete solder joint visibility or leave in place for added stability.

### Available Online:

- RoHS Qualification Test Report

See following pages for typical board to board spacing configuration and additional dimensional information.

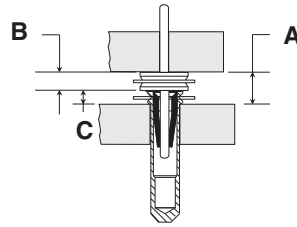


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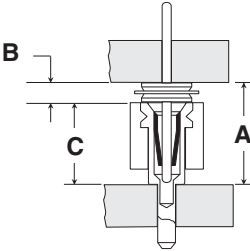
### Dimensional Information

#### Thru-Hole Female & Male

**Figure 1**  
Peel-A-Way® Female & Peel-A-Way® Male

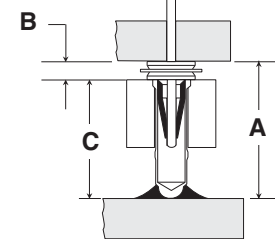


**Figure 2**  
Molded or FR-4 Female & Peel-A-Way® Male



#### Surface Mount Female & Thru-Hole Male

**Figure 3**  
Molded or FR-4 Female & Peel-A-Way® Male



Order one each Male & Female to get the required "A" dim.

B	C	A	Male Part #	Female Part #	Fig.
.031/(.79)	.015/(.38)	.046/(1.17)	KBA020-131G	KBS020-227MG	1
.070/(1.78)	.015/(.38)	.085/(2.16)	KBA020-321G	KBS020-227MG	1
.085/(2.16)	.015/(.38)	.100/(2.54)	KBA020-322G	KBS020-227MG	1
.031/(.79)	.118/(3.00)	.190/(4.83)	KBA020-131G	FSDS020-551GG	3
.070/(1.78)	.118/(3.00)	.188/(4.78)	KBA020-321G	FSDS020-551GG	3
.030/(.76)	.161/(4.09)	.192/(4.88)	KBA020-131G	FSDS020-553GG	3
.031/(.79)	.165/(4.19)	.196/(4.98)	KBA020-131G	FSDS020-168GG	2
.085/(2.16)	.118/(3.00)	.203/(5.16)	KBA020-322G	FSDS020-551GG	3
.070/(1.78)	.161/(4.09)	.231/(5.87)	KBA020-321G	FSDS020-553GG	3
.070/(1.78)	.165/(4.19)	.235/(5.97)	KBA020-321G	FSDS020-168GG	2
.085/(2.16)	.165/(4.19)	.250/(6.35)	KBA020-322G	FSDS020-168GG	2
.085/(2.16)	.161/(4.09)	.246/(6.25)	KBA020-322G	FSDS020-553GG	3
.031/(.79)	.278/(7.06)	.309/(7.85)	KBA020-131G	FSDS020-205GG	2
.070/(1.78)	.278/(7.06)	.348/(8.84)	KBA020-321G	FSDS020-205GG	2
.085/(2.16)	.278/(7.06)	.363/(9.22)	KBA020-322G	FSDS020-205GG	2

20 position single row part numbers shown.

See How To Order section for ordering information.

**If required "A" dimension is not shown, consult factory.**