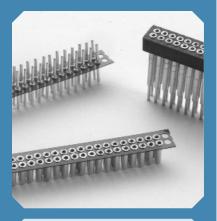
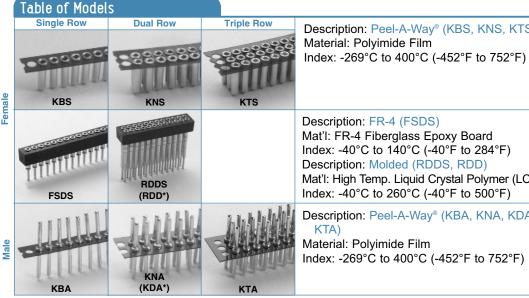
## Board to Board Connectors



#### 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% antiwicking of solder.
- · For surface mount options, consult factory.
- Reliable mechanical support.
- Custom configurations available.

## .050/(l.27mm) Pitch Board to Board Connectors Molded and Peel-A-Way® Insulators



Description: Peel-A-Way® (KBS, KNS, KTS) Material: Polyimide Film

Description: FR-4 (FSDS)

Mat'l: FR-4 Fiberglass Epoxy Board Index: -40°C to 140°C (-40°F to 284°F) Description: Molded (RDDS, RDD)

Mat'l: High Temp. Liquid Crystal Polymer (LCP) Index: -40°C to 260°C (-40°F to 500°F)

Description: Peel-A-Way® (KBA, KNA, KDA,

Material: Polyimide Film

Index: -269°C to 400°C (-452°F to 752°F)

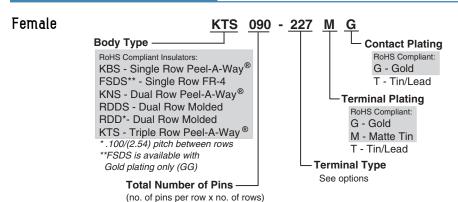
\* RDD and KDA have .100/(2.54mm) pitch between rows.

Note: FSDS replaces SDS, HSDS, and RSDS.

RDDS replaces DDS and HDDS.

RDD replaces DD.

#### How To Order



Std. pins per row = 10, 20, 30, 40 & 50

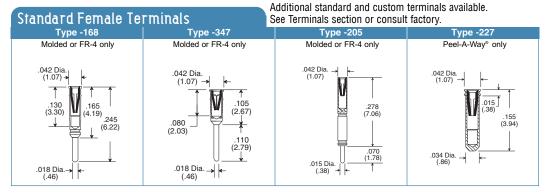
Male KTA 090 - 131 M **Body Type** RoHS Compliant Insulators: KBA - Single Row Peel-A-Way® Terminal Plating KNA - Dual Row Peel-A-Way® RoHS Compliant: KDA\*- Dual Row Peel-A-Way® G - Gold KTA - Triple Row Peel-A-Way® M - Matte Tin .100/(2.54) pitch between rows T - Tin/Lead **Total Number of Pins Terminal Type** (no. of pins per row x no. of rows) See options

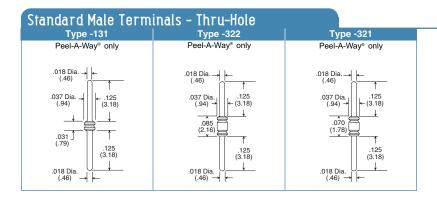
Note: Terminals plated with Matte Tin are available only with Gold plated contacts.



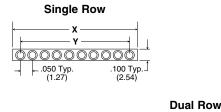
Std. pins per row = 10, 20, 30, 40 & 50

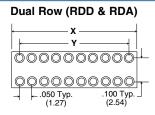
# .050/(l.27mm) Pitch Board to Board Connectors Molded and Peel-A-Way® Insulators

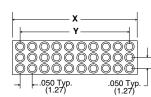




#### Dimensional Information







**Triple Row** 

#### Molded or FR-4

.050 Tvp.

Total # of Pins per Connector			# of Pins Per	X in.	Y in.
Single	Dual	Triple	Row	(mm)	(mm)
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)

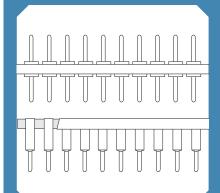
#### Peel-A-Way®

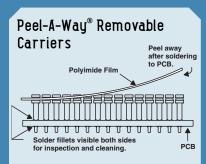
Total # of Pins per Connector			# of Pins Per	X in.	Y in.	
Single	Dual	Triple	Row	(mm)	(mm)	
010	020	030	10	.650 (16.51)	.450 (11.43)	
020	040	060	20	1.150 (29.21)	.950 (24.13)	
030	060	090	30	1.650 (41.91)	1.450 (36.83)	
040	080	120	40	2.150 (54.61)	1.950 (49.53)	
050	100	150	50	2.650 (67.31)	2.450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

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

.050 Typ. – (1.27)

## Board to Board Connectors





- 1. Place socket on PC board.
- 2. Send PC board and socket through soldering operation.
- 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.



5 Energy Way, West Warwick, RI 02893 USA Tel: 800.424.9850 | 401.823.5200 Fax: 401.823.8723 info@advanced.com | www.advanced.com Catalog 16A

# Board to Board Connectors

### .050/(l.27mm) Pitch Board to Board Connectors

#### Dimensional Information

#### Thru-Hole Female & Male

Figure 1 Peel-A-Way® Female &

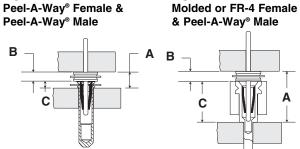
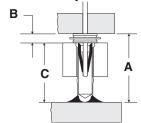


Figure 2

**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.

В	С	Α	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.