



KK<sup>®</sup> 2.54 and 3.96mm

(.100 and .156")

Interconnect System





# KK<sup>®</sup> 2.54 and 3.96mm (.100 and .156") Interconnect System

	2.50mm (.098") Pitch	2.54mm (.100") Pitch	3.96mm (.156") Pitch
UL/CSA File No.:	29179 / LR 19980	29179 / LR 19980	29179 / LR 19980
Voltage:	250V AC max.	250V AC max.	250V AC max.
Current:	24 AWG—3.0A max.	22 AWG—2.5A max. IDT—3.5A max.	18 AWG—7.0A max. IDT and Board-to-Board—5.0A max.
Temperature:	0 to +75°C	0 to +75°C	0 to +75°C
Engagement Force:*	63.5 oz. (1.8kg) max.	7 oz. (199g) max.	36 oz. (1020g) max.
Disengagement Force:*	5.3 oz. (150g) min.	2 oz. (57g) min.	13.4 oz. (381g) min.

\*7720 IDT: Engagement Force—16 oz. (453g) max.; Disengagement Force—2 oz. (57g) min.  
7675 IDT: Engagement Force—32 oz. (907g) max.; Disengagement Force—8 oz. (226g) min.

## Wire-to-Board (Crimp)

 <b>2695</b>	 <b>2695 with Ramp</b>	 <b>2695 with Ramp and Ribs</b>	 <b>2759</b>	 <b>41572 Cat-Ears</b>
 <b>41695</b>	 <b>41695 with Ramp</b>	 <b>41695 with Ramp and Ribs</b>	 <b>2478</b>	 <b>6838 Trifurcon</b>
 <b>2139</b>	 <b>2139 with Ramp</b>	 <b>7880</b>	 <b>7880 with Locking Ramp</b>	 <b>7880 with Polarized Ramp</b>
				 <b>7879 High Pressure</b>

## Wire-to-Board (Insulation Displacement Technology)

 <b>7720 Feed-Through</b>	 <b>7720 Feed-To</b>	 <b>42219</b>	 <b>42254 Board-In (One-Piece)</b>	 <b>7675 Feed-Through</b>	 <b>7675 Feed-To</b>
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## Board-to-Board (PCBs)

 <b>4455 Right Angle</b>
 <b>4455 Bottom Entry</b>
 <b>4455 Top Entry</b>
 <b>41815 Right Angle</b>
 <b>41815 Bottom Entry</b>
 <b>41815 Top Entry</b>

## Board-to-Board (Headers)

Solid		Breakaway	
 <b>4030 - Red Nylon</b>	 <b>4094 - Red Nylon</b>	 <b>42375</b>	 <b>42376</b>
 <b>42152 - White Nylon</b>	 <b>42153 - White Nylon</b>	 <b>41661</b>	 <b>41662</b>
 <b>41771</b>	 <b>41772</b>	 <b>42227</b>	<b>Friction-Lock</b>  <b>42228</b>
 <b>6373</b>	<b>Friction Lock</b>  <b>7478</b>	 <b>41671</b>	 <b>41672</b>
 <b>41791</b>	 <b>41792</b>	 <b>42225</b>	<b>Polarizing Wall</b>  <b>42226</b>
 <b>42267</b>	 <b>42249</b>	 <b>41681</b>	 <b>41682</b>

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## Wire-to-Board (Crimp)

<b>2695</b> Without Locking Ramp and Polarizing Ribs 22-01-2XX1	<b>2695</b> With Locking Ramp 22-01-2XX7	<b>2695</b> With Locking Ramp and Polarizing Ribs 22-01-3XX7	<b>2759</b> Tin - 08-50-0113 Gold - 08-56-0109 22 to 30 AWG	<b>41572</b> Tin - 08-65-0804 22 to 30 AWG
<b>41695</b> Without Locking Ramp and Polarizing Ribs 09-50-8XX0	<b>41695</b> With Locking Ramp 09-50-8XX1	<b>41695</b> With Locking Ramp and Polarizing Ribs 09-50-8XX3	<b>2478</b> Tin - 08-52-0071 Gold - 08-58-0121 Select Gold - 08-65-0114 18 to 26 AWG	<b>6838</b> Tin - 08-52-0112 Gold - 08-58-0187 Select Gold - 08-58-0110 18 to 26 AWG
<b>2139</b> Without Locking Ramp 09-50-7XX1	<b>2139</b> With Locking Ramp 09-50-3XX1	<b>7880</b> Without Locking Ramp 10-01-2XX9	<b>7880</b> With Locking Ramp 10-11-2XX3	<b>7880</b> With Polarizing Ramp 10-11-2XX4
<b>7879</b> Tin - 08-50-0004 Select Gold - 08-55-0124 22 to 30 AWG				

## Wire-to-Board (Insulation Displacement Technology)

<b>7720</b> 26 AWG stranded or solid and 28 AWG solid, stranded or fused Feed-to without Ramp Feed-through without Ramp Tin - 22-41-3XX1 Tin - 22-26-7XX1 Gold - 22-45-7XX9 Gold - 22-45-7XX3 Available with Ramp and Polarizing Ramp Replace XX with no. of circuits: 02-28	<b>7720</b> 24 AWG stranded, solid, fused, and 26 AWG fused and topcoat Feed-to without Ramp Feed-through without Ramp Tin - 22-41-3XX2 Tin - 22-26-7XX2 Gold - 22-45-8XX7 Gold - 22-45-7XX5 Available with Ramp and Polarizing Ramp Replace XX with no. of circuits: 02-28	<b>7720</b> 22 AWG stranded tinned Feed-to without Ramp Feed-through without Ramp Tin - 22-42-6XX3 Tin - 22-42-6XX0 Gold - 22-45-6XX7 Gold - 22-45-6XX1 Available with Ramp and Polarizing Ramp Replace XX with no. of circuits: 02-28
<b>42219</b> 24 AWG solid or stranded with topcoat or 26 AWG stranded with topcoat Tin - 22-43-3XX0 Also available in red, yellow, orange, green Replace XX with no. of circuits: 02-15	<b>42254</b> 24 AWG solid or stranded with topcoat or 26 AWG stranded with topcoat Tin - 22-43-2XX0 Replace XX with no. of circuits: 02-15	
<b>7675</b> 18 AWG solid and fused stranded Feed-to without Ramp Feed-through without Ramp Tin - 09-07-0XX8 Tin - 09-07-0XX7 Gold - Contact Inside Sales Available with Ramp Replace XX with no. of circuits: 02-24	<b>7675</b> 20 AWG solid or fused stranded, and 18 AWG stranded Feed-to without Ramp Feed-through without Ramp Tin - 09-07-1XX8 Tin - 09-07-1XX7 Gold - Contact Inside Sales Available with Ramp Replace XX with no. of circuits: 02-24	<b>7675</b> 20 AWG stranded Feed-to without Ramp Feed-through without Ramp Tin - 09-07-2XX8 Tin - 09-07-2XX7 Gold - Contact Inside Sales Available with Ramp Replace XX with no. of circuits: 02-24

## Board-to-Board (Headers)

Solid	Breakaway
<b>4030</b> Tin - 22-03-2XX1 Gold - 22-10-2XX1 Replace XX with no. of circuits: 02 to 28	<b>42375</b> Tin - 22-28-4XX0 15µ" Select Gold - 22-28-4XX3 30µ" Select Gold - 22-28-4XX6 Replace XX with no. of circuits: 02 to 36 Available with Kinks
<b>42152</b> Tin - 22-66-2XX0 Gold - 22-66-3XX0 Select Gold - 22-10-7XX8 Replace XX with no. of circuits: 02 to 28	<b>41661</b> Tin - 26-48-1XX1 Select Gold Available Round Pins optional Replace XX with no. of circuits: 02 to 24
<b>41771</b> Tin - 26-60-2XX0 Gold - 26-61-2XX0 Select Gold available Replace XX with no. of circuits: 02 to 18	<b>42227</b> Tin - 22-28-0XX0 15µ" Select Gold - 22-28-0XX1 30µ" Select Gold - 22-28-0XX2 Replace XX with no. of circuits: 02 to 36 Available with Kinks
<b>6373</b> Tin - 22-23-2XX1 Gold - 22-11-2XX2 Replace XX with no. of circuits: 02 to 28	<b>41671</b> Tin - 26-48-1XX5 Select Gold Available Round Pins optional Replace XX with no. of circuits: 02 to 24
<b>41791</b> Tin - 26-60-4XX0 Gold - 26-61-4XX0 Select Gold available Replace XX with no. of circuits: 02 to 18	<b>42225</b> Tin - 22-28-3XX0 15µ" Select Gold - 22-28-3XX1 30µ" Select Gold - 22-28-3XX2 Replace XX with no. of circuits: 02 to 36 Available with Kinks
<b>42267</b> White - 22-43-8XX0 Available in red, yellow, orange and green Replace XX with no. of circuits: 02 to 15	<b>41681</b> Tin - 26-48-1XX3 Select Gold available Round Pins Optional Replace XX with no. of circuits: 02 to 24
<b>4094</b> Tin - 22-05-2XX1 Gold - 22-12-2XX1 Replace XX with no. of circuits: 02 to 28	<b>42376</b> Tin - 22-28-6XX0 15µ" Select Gold - 22-28-6XX2 30µ" Select Gold - 22-28-6XX4 Replace XX with no. of circuits: 02 to 36 Available with Kinks
<b>42153</b> Tin - 22-67-2XX0 Gold - 22-67-3XX0 Select Gold - 22-12-3XX0 Replace XX with no. of circuits: 02 to 28	<b>41662</b> Tin - 26-48-1XX2 Select Gold available Replace XX with no. of circuits: 02 to 24
<b>41772</b> Tin - 26-60-3XX0 Gold - 26-61-3XX0 Select Gold available Replace XX with no. of circuits: 02 to 18	<b>42228</b> Tin - 22-28-1XX0 15µ" Select Gold - 22-28-1XX1 30µ" Select Gold - 22-28-1XX2 Replace XX with no. of circuits: 02 to 36 Available with Kinks
<b>7478</b> Tin - 22-05-3XX1 Gold - 22-12-2XX4 Replace XX with no. of circuits: 02 to 28	<b>41672</b> Tin - 26-48-1XX6 Select Gold available Replace XX with no. of circuits: 02 to 24
<b>41792</b> Tin - 26-60-5XX0 Gold - 26-61-5XX0 Select Gold available Replace XX with no. of circuits: 02 to 18	<b>42226</b> Tin - 22-28-2XX0 15µ" Select Gold - 22-28-2XX2 30µ" Select Gold - 22-28-2XX3 Replace XX with no. of circuits: 02 to 36 Available with Kinks
<b>42249</b> White - 22-43-6XX0 Available in red, yellow, orange and green Replace XX with no. of circuits: 02 to 15	<b>41682</b> Tin - 26-48-1XX4 Select Gold Available Replace XX with no. of circuits: 02 to 24

## Application Tooling

<b>Series</b> 2759 7879 41572	<b>Hand Tool</b> 11-01-0185 11-01-0185 11-01-0185	<b>Die (TM40)</b> 11-40-2265 11-40-2251 11-40-2265
<b>Series</b> 2478 6838	<b>Hand Tool</b> 11-01-0026 11-01-0210	<b>Die (TM40)</b> 11-40-2096 11-40-2096

## Board-to-Board (PCBs)

<b>4455</b> Right Angle Tin - 22-15-2XX6 Gold - 22-16-2XX1 Select Gold - 22-16-2XX0
<b>4455</b> Bottom Entry Tin - 22-14-2XX4 Gold - 22-17-2XX2 Select Gold - 22-17-3XX2
<b>4455</b> Top Entry Tin - 22-02-2XX5 Gold - 22-18-2XX3 Select Gold - 22-18-2XX1
<b>41815</b> Right Angle Tin - 09-48-1XX4 Select Gold - 09-48-3XX5
<b>41815</b> Bottom Entry Tin - 09-48-4XX9 Select Gold - 09-48-3XX4
<b>41815</b> Top Entry Tin - 09-48-4XX8 Select Gold - 09-48-3XX6