



## BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

0.8FH,P08H.5,100,08/Sn,TU

0.8mm FH | .8mm FH

5179031-4

TE Internal Number: 5179031-4

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **.031 mm [ .8 in ]**

Stack Height (mm) **8, 12, 16, 20**

Stack Height (in) **.787**

Number of Positions **100**

Packaging Method **Tube, Tube/Box**

### Product Drawings

[PLUG ASSY \(0.5 BOSS LENGTH\) FOR FH 0.8 B-T-B STACKING CONN. 8MM HEIGHT](#)

PDF (TIFF AVAILABLE)  
English

[PLUG ASSY \(0.5 BOSS LENGTH\) FOR FH 0.8 B-T-B STACKING CONN. 8MM HEIGHT](#)

PDF (TIFF AVAILABLE)  
English

### CAD Files

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
English

### Catalog Pages/Data Sheets

[Fine Pitch Stacking Connectors - 0.8mm Free Height \(FH\) Connectors](#)

PDF  
English

### Product Specifications

Product Specification

[Free Height 0.8 Mm Pitch Board-To-Board Connector \(SMT\)](#)

PDF  
English

### Product Environmental Compliance

TE Material Declaration

[MD\\_5179031-4\\_0926201351\\_dmtec](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	Connector Style	<b>Plug</b>
	Board-to-Board Configuration	<b>Mezzanine</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Row-to-Row Spacing	<b>2.4 mm [ .09432 in ]</b>
	Applies To	<b>Printed Circuit Board</b>
	Product Type	<b>Connector</b>
	Boss	<b>With</b>
	Series	<b>Free Height</b>

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Configuration Features	Number of Positions	<b>100</b>
	Preloaded	<b>Yes</b>
	Number of Rows	<b>2</b>
	Stackable	<b>Yes</b>

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Electrical Characteristics	Insulation Resistance (VAC)	<b>500</b>
	Voltage (VAC)	<b>100</b>
	Dielectric Withstanding Voltage (VAC)	<b>500</b>

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Body Features	Sealant	<b>Without</b>
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Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness	<b>.2 µm [ 7.874 µin ]</b>
	Contact Current Rating (A)	<b>.5</b>
	Contact Type	<b>Pin</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
	Contact Layout	<b>Inline</b>
	Solder Tail Contact Plating Material Finish	<b>Matte</b>
	Solder Tail Contact Plating Thickness	<b>2 µm [ 78.74 µin ]</b>
	Contact Base Material	<b>Brass</b>

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Termination Features	Termination Method to PC Board	<b>Surface Mount</b>
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Mechanical Attachment	Mating Alignment Type	<b>Polarized</b>
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PCB Mount Retention	<b>Without</b>
PCB Mount Retention Type	<b>None</b>
PCB Mount Alignment Type	<b>Positioning Bosses</b>
Locating Post Length (mm)	<b>.5</b>
Locating Post Length (in)	<b>.0196</b>

Housing Features	Centerline	<b>.031 mm [ .8 in ]</b>
	Housing Material	<b>LCP (Liquid Crystal Polymer)</b>
	Housing Color	<b>Natural</b>
	Housing Entry Style	<b>Top</b>

Dimensions	Stack Height (mm)	<b>8, 12, 16, 20</b>
	Stack Height (in)	<b>.787</b>
	Height	<b>8 mm [ .3085 in ]</b>

Usage Conditions	Operating Temperature Range	<b>-40 – 85 °C [ -40 – 185 °F ]</b>
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Operation/Application	Pick and Place Cover	<b>With</b>
	Assembly Process Feature	<b>None</b>

Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
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Packaging Features	Packaging Method	<b>Tube, Tube/Box</b>
	Packaging Quantity	<b>10</b>

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 20 Results

[View All](#)

Compare 0/10 

Relation Type 

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles  
0.8mm FH | .8mm FH  
**0.8FH, R17H.5, 100, 08/Sn, TU, SC**  
- 1735481-4  
TE INTERNAL NUMBER: 1735481-4

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**  
Centerline **.031 mm**  
Stack Height **17 mm, 18 mm, 19 mm, 20 mm**  
Number of Positions **100**  
Packaging Method **Tube, Tube/Box**

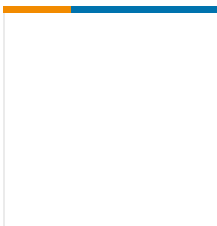


RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles  
0.8mm FH | .8mm FH  
**0.8FH, R09H.5, 100, 30/Sn, TR, SC**  
- 7-5179180-4  
TE INTERNAL NUMBER: 7-5179180-4

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**  
Centerline **.031 mm**  
Stack Height **9 mm, 10 mm, 11 mm, 12 mm**  
Number of Positions **100**  
Packaging Method **Tape & Reel**



RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles  
0.8mm FH | .8mm FH  
**0.8FH, R05H.5, 100, 08/Sn, TU, SC**  
- 5179229-4  
TE INTERNAL NUMBER: 5179229-4

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**  
Centerline **.031 mm**  
Stack Height **5 mm, 6 mm, 7 mm, 8 mm**  
Number of Positions **100**  
Packaging Method **Tube, Tube/Box**

