



# BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

0.8FH,P07H.5,060,08/Sn,TR,SC

0.8mm FH | .8mm FH

2-5177986-2

TE Internal Number: 2-5177986-2

Always EU RoHS/ELV Compliant

Connector Style **Plug**

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

Stack Height (mm) **7, 11, 15, 19**

Stack Height (in) **.748**

Number of Positions **60**

Packaging Method **Tape & Reel**

## Product Drawings

[PLUG ASSY FH 0.8 B-T-B CONN. ON TAPING \(EMBOSS\) 0.5 BOSS LENGTH](#)

PDF  
English

## CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
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  
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Application Specification

[AMP FH 0.8MM PITCH BOARD TO BOARD CONNECTOR](#)

PDF  
English

## Product Environmental Compliance

TE Material Declaration

[MD\\_2-5177986-2\\_082220142235\\_dmtec](#)

PDF  
English

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>60</b>
	Cover	<b>With</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	Cover Material	<b>Steel</b>
	Cover Type	<b>Vacuum Cover</b>
	Sealant	<b>Without</b>

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Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness	<b>.38 <math>\mu\text{m}</math> [ 14.96 <math>\mu\text{in}</math> ]</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>1 <math>\mu\text{m}</math> [ 39.37 <math>\mu\text{in}</math> ]</b>
	Contact Base Material	<b>Copper Alloy</b>

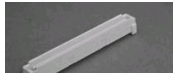
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Termination Features	Termination Method to PC Board	<b>Surface Mount</b>
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Mechanical Attachment	Mating Alignment Type	<b>Polarized</b>
	PCB Mount Retention	<b>Without</b>
	PCB Mount Retention Type	<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>7, 11, 15, 19</b>
	Stack Height (in)	<b>.748</b>
	Height	<b>7 mm [.269205 in]</b>
Usage Conditions	Operating Temperature Range	<b>-40 – 85 °C [-40 – 185 °F]</b>
	Housing Material Temperature	<b>High</b>
Operation/Application	Pick and Place Cover	<b>With</b>
	Assembly Process Feature	<b>None</b>
	For Use With	<b>Receptacle</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
Packaging Features	Packaging Method	<b>Tape &amp; Reel</b>
	Packaging Quantity	<b>700</b>
Product Compliance	<p><a href="#">Statement of Compliance PDF</a></p> <p><a href="#">VIEW ALL PRODUCT COMPLIANCE</a></p>	

## CUSTOMERS ALSO BOUGHT

RJ45 CONNECTORS	MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES	BOARD-TO-BOARD HEADERS & RECEPTACLES	BOARD-TO-BOARD HEADERS & RECEPTACLES
			

MJ, LPF, R/A, 8P, SHLD, PNL STP, HTN 5406429-1	5P AMPMODU II STIFT LEI 826646-5	0.8FH, R13H.5, 060, 08/Sn, TR, SC 5084616-2	0.8FH, P07H.5, 140, 08/Sn, TR, SC 2-5177986-6
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Relation Type ▼

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Board-to-Board Headers &amp; Receptacles 0.8mm FH   .8mm FH</p> <p><b>0.8FH, R17H.5, 060, 30/Sn, TU, SC</b> - 2-1735481-2</p> <p>TE INTERNAL NUMBER: 2-1735481-2</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Connector Style <b>Receptacle</b></p> <p>Centerline <b>.031 mm</b></p> <p>Stack Height <b>17 mm, 18 mm, 19 mm, 20 mm</b></p> <p>Number of Positions <b>60</b></p> <p>Packaging Method <b>Tube, Tube/Box</b></p>	<input checked="" type="checkbox"/>
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RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Board-to-Board Headers &amp; Receptacles 0.8mm FH   .8mm FH</p> <p><b>0.8FH, R17H.5, 060, 08/Sn, TR, SC - 1735482-2</b></p> <p>TE INTERNAL NUMBER: 1735482-2</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Connector Style <b>Receptacle</b></p> <p>Centerline <b>.031 mm</b></p> <p>Stack Height <b>17 mm, 18 mm, 19 mm, 20 mm</b></p> <p>Number of Positions <b>60</b></p> <p>Packaging Method <b>Tape &amp; Reel</b></p>	<input checked="" type="checkbox"/>
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RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p>	<input checked="" type="checkbox"/>
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Connectors - Board-to-Board Headers &  
Receptacles

0.8mm FH | .8mm FH

**0.8FH, R17H.5, 060,  
30/Sn, TR, SC**

**- 2-1735482-2**

TE INTERNAL NUMBER: 2-1735482-2

✓ 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 **60**

Packaging Method **Tape & Reel**