



BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

0.8FH,P08H.5,100,08/Sn,TR,SC

0.8mm FH | .8mm FH

3-5177986-4

TE Internal Number: 3-5177986-4

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 **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
English

Application Specification

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

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_3-5177986-4_051920141044_dmtec](#)

PDF
English

Drawing for all design activity.

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

Configuration Features	Number of Positions	100
	Cover	With
	Preloaded	Yes
	Number of Rows	2
	Stackable	Yes

Electrical Characteristics	Insulation Resistance (VAC)	500
	Voltage (VAC)	100
	Dielectric Withstanding Voltage (VAC)	500

Body Features	Cover Material	Steel
	Cover Type	Vacuum Cover
	Sealant	Without

Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness	.38 μm [14.96 μin]
	Contact Current Rating (A)	.5
	Contact Type	Pin
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Layout	Inline
	Solder Tail Contact Plating Material Finish	Matte
	Solder Tail Contact Plating Thickness	1 μm [39.37 μin]
	Contact Base Material	Copper Alloy

Termination Features	Termination Method to PC Board	Surface Mount
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Mechanical Attachment	Mating Alignment Type	Polarized
	PCB Mount Retention	Without
	PCB Mount Retention Type	None
	PCB Mount Alignment Type	Positioning Bosses
	Locating Post Length (mm)	.5
	Locating Post Length (in)	.0196
Housing Features	Centerline	.031 mm [.8 in]
	Housing Material	LCP (Liquid Crystal Polymer)
	Housing Color	Natural
	Housing Entry Style	Top
Dimensions	Stack Height (mm)	8, 12, 16, 20
	Stack Height (in)	.787
	Height	8 mm [.3085 in]
Usage Conditions	Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]
	Housing Material Temperature	High
Operation/Application	Pick and Place Cover	With
	Assembly Process Feature	None
	For Use With	Receptacle
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tape & Reel
	Packaging Quantity	400
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

Products - 20 Results

[View All](#)

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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, R05H.5, 100,
30/Sn, TR, SC - 5353999-4**

TE INTERNAL NUMBER: 5353999-4

✓ 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 **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, R13H.5, 100,
30/Sn, TR, SC - 5084618-4**

TE INTERNAL NUMBER: 5084618-4

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **.031 mm**

Stack Height **13 mm, 14 mm, 15
mm, 16 mm**

Number of Positions **100**

Packaging Method **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, R09H.5, 100,
08/Sn, TR, SC**

- 5-5179180-4

TE INTERNAL NUMBER: 5-5179180-4

✓ 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**

