



BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

0.8FH,R05H.5,140,08/Sn,TU

0.8mm FH | .8mm FH

5177983-6

TE Internal Number: 5177983-6

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

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

Stack Height (mm) **5, 6, 7, 8**

Stack Height (in) **.315**

Number of Positions **140**

Packaging Method **Tube, Tube/Box**

Product Drawings

RECEPTACLE ASSEMBLY 5H TYPE (0.5 BOSS LENGTH) FOR FH 0.8MM PITCH B-T-B CONNECTOR

PDF (TIFF AVAILABLE)
English

RECEPTACLE ASSEMBLY 5H TYPE (0.5 BOSS LENGTH) FOR FH 0.8MM PITCH B-T-B CONNECTOR

PDF (TIFF AVAILABLE)
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

Product Environmental Compliance

TE Material Declaration

MD_5177983-6_09022011026

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.

Product Type Features	Connector Style	Receptacle
	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	140
	Preloaded	Yes
	Number of Rows	2
	Stackable	Yes

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

Body Features	Sealant	Without
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Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness (µin)	8
	Contact Shape	Square
	Contact Current Rating (A)	.5
	Contact Type	Socket
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Layout	Inline
	Solder Tail Contact Plating Material Finish	Matte
	Solder Tail Contact Plating Thickness	2 µm [78.74 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)	5, 6, 7, 8
	Stack Height (in)	.315
	Height	5 mm [.197 in]
Usage Conditions	Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]
	Housing Material Temperature	High
Operation/Application	Pick and Place Cover	Without
	Assembly Process Feature	None
	For Use With	Plug Assembly
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tube, Tube/Box
	Packaging Quantity	7
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

<p>SURFACE MOUNT RESISTORS</p> 	<p>BOARD-TO-BOARD HEADERS & RECEPTACLES</p> 	<p>DIP & SIP SWITCHES</p> 	<p>SURFACE MOUNT RESISTORS</p> 
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<p>CPF 0603 30K 0.1% 25PPM 1K RL CPF0603B30KE1</p> <p> Save to List Find Similar Products</p>	<p>0.8FH, P05H.5, 140, 08/Sn, TU 5177984-6</p> <p> Save to List Find Similar Products</p>	<p>08P.DIP SWITCH ASSY 5161390-8</p> <p> Save to List Find Similar Products</p>	<p>RP 1J 28K 0.1% 15PPM CUT LENGTH RP73D1J28KBDTG</p> <p> Save to List Find Similar Products</p>
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Products - 15 Results

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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 & Receptacles 0.8mm FH .8mm FH</p> <p>0.8FH, P07H.5, 140, 30/Sn, TU - 1-5179030-6</p> <p>TE INTERNAL NUMBER: 1-5179030-6</p> <p> Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Connector Style Plug</p> <p>Centerline .031 mm</p> <p>Stack Height 7 mm, 11 mm, 15 mm, 19 mm</p> <p>Number of Positions 140</p> <p>Packaging Method Tube, Tube/Box</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 & Receptacles 0.8mm FH .8mm FH</p> <p>0.8FH, P08H.5, 140, 08/Sn, TR, SC - 3-5177986-6</p> <p>TE INTERNAL NUMBER: 3-5177986-6</p> <p> Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Connector Style Plug</p> <p>Centerline .031 mm</p> <p>Stack Height 8 mm, 12 mm, 16 mm, 20 mm</p> <p>Number of Positions 140</p> <p>Packaging Method Tape & Reel</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 &</p>	<p>Always EU RoHS/ELV Compliant</p>	<input checked="" type="checkbox"/>
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Receptacles

0.8mm FH | .8mm FH

**0.8FH, P05H.5, 140,
08/Sn, TU - 5177984-6**

TE INTERNAL NUMBER: 5177984-6

✓ Active

Connector Style **Plug**

Centerline **.031 mm**

Stack Height **5 mm, 9 mm, 13
mm, 17 mm**

Number of Positions **140**

Packaging Method **Tube,
Tube/Box**