

# BOARD-TO-BOARD HEADERS & RECEPTACLES



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PRODUCT DRAWING English

J 3D PDF

TE CONNECTIVITY (TE) 0.8FH,P08H.5,100,08/Sn,TU 0.8mm FH | .8mm FH y D f v

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	e
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.

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
	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
Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness	.2 μm [ 7.874 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	2 µm [ 78.74 µin ]
	Contact Base Material	Brass
Termination Features	Termination Method to PC Board	Surface Mount
Mechanical Attachment	Mating Alignment Type	Polarized

PCB Mount Retention Type     Nome       PCB Mount Alignment Type     Positioning Bosses       Locating Post Length (nm)     .5       Locating Post Length (nm)     .031 mm [.3 in ]       Housing Features     Centerline     .031 mm [.3 in ]       Housing Color     Housing Color     Natural       Housing Entry Style     Top       Dimensions     Stack Height (nm)     8, 12, 16, 20       Usage Conditions     Operating Temperature Range     40-85*C [.40-185*F]       Operation/Application     Pick and Place Cover     With       Accombly Process Feature     None       Industry Standards     UL Flammability Rating     UL 94V-0       Packaging Features     Packaging Method     Tube, Tube/Box       Packaging Countity     10     Packaging Countity		PCB Mount Retention	Without
Locating Post Length (mm)     .5       Locating Post Length (m)     .0196       Housing Features     Centerline     .031 mm [.8 in]       Housing Geatures     Centerline     .031 mm [.8 in]       Housing Geatures     Centerline     .031 mm [.8 in]       Housing Golor     Natural     LCP (Liquid Crystal Polymer)       Housing Entry Style     Top       Dimensions     Stack Height (mm)     8, 12, 16, 20       Stack Height (m)     .787       Height     8 mm [.3085 in]       Usage Conditions     Operating Temperature Range     -40 - 85 °C [-40 - 185 °F]       Operation/Application     Pick and Place Cover     With       Assembly Process Feature     None       Industry Standards     UL Flammability Rating     UL 94V-0       Packaging Features     Packaging Method     Tube, Tube/Box       Packaging Quantity     10     10		PCB Mount Retention Type	None
Locating Post Length (in)     .0196       Housing Features     Centerline     .031 mm [.3 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     8mm [.3085 in]       Usage Conditions     Operating Temperature Range     40 - 85 °C [ -40 - 185 °F ]       Operation/Application     Pick and Place Cover     With       Assembly Process Feature     None       Industry Standards     UL Flammability Rating     UL 94V-0       Packaging Features     Packaging Method     Tube, Tube/Box       Packaging Cuantity     10		PCB Mount Alignment Type	Positioning Bosses
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       Haight     8 mm [.3085 in ]       Usage Conditions     Operating Temperature Range     -40 - 85 °C [-40 - 185 °F]       Operation/Application     Pick and Place Cover     With       Assembly Process Feature     None       Industry Standards     UL Flammability Rating     UL 94V-0       Packaging Features     Packaging Method     Tube, Tube/Box       Porduct Compliance     Statement of Compliance     10		Locating Post Length (mm)	.5
Housing Material     LCP (Liquid Crystal Polymer)       Housing Color     Natural       Housing Entry Style     Top       Dimensions     Stack Height (mm)     8, 12, 16, 20       Stack Height (mm)     .787       Height     9mm [.3085 in ]       Usage Conditions     Operating Temperature Range     -40 - 85 °C [-40 - 185 °F ]       Operation/Application     Pick and Place Cover     With       Assembly Process Feature     None       Industry Standards     UL Flammability Rating     UL 94V-0       Packaging Features     Packaging Method     Tube, Tube/Box       Packaging Quantity     10		Locating Post Length (in)	.0196
Housing ColorNaturalHousing Entry StyleTopDimensionsStack Height (mm)8, 12, 16, 20Stack Height (in).787Height8mm [.3085 in ]Usage ConditionsOperating Temperature Range40 - 85 °C [-40 - 185 °F]Operation/ApplicationPick and Place Cover Assembly Process FeatureWith NoneIndustry StandardsUL Flammability RatingUL 94Y-0Packaging FeaturesPackaging Method Packaging QuantityTube, Tube/Box 10Product ComplianceStatement of Compliance PDFStatement of Compliance	Housing Features	Centerline	.031 mm [ .8 in ]
Housing Entry Style     Top       Dimensions     Stack Height (mm)     8, 12, 16, 20       Stack Height (in)     .787       Height     8mm [.3095 in]       Usage Conditions     Operating Temperature Range     -40 - 85 °C [-40 - 185 °F]       Operation/Application     Pick and Place Cover     With       Assembly Process Feature     None       Industry Standards     UL Flammability Rating     UL 94V-0       Packaging Features     Packaging Method     Tube, Tube/Box       Product Compliance     Statement of Compliance     10		Housing Material	LCP (Liquid Crystal Polymer)
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]       Operation/Application     Pick and Place Cover     With       Assembly Process Feature     None       Industry Standards     UL Flammability Rating     UL 94V-0       Packaging Features     Packaging Method     Tube, Tube/Box       Packaging Quantity     10		Housing Color	Natural
Stack Height (in).787Height8 mm [.3085 in]Usage ConditionsOperating Temperature Range-40 - 85 °C [-40 - 185 °F ]Operation/ApplicationPick and Place CoverWithAssembly Process FeatureNoneIndustry StandardsUL Flammability RatingUL 94V-0Packaging FeaturesPackaging MethodTube, Tube/BoxProduct ComplianceStatement of Compliance10		Housing Entry Style	Тор
Height8 mm [.3085 in]Usage ConditionsOperating Temperature Range40 - 85 °C [-40 - 185 °F]Operation/ApplicationPick and Place CoverWithAssembly Process FeatureNoneIndustry StandardsUL Flammability RatingUL 94V-0Packaging FeaturesPackaging MethodTube, Tube/BoxPackaging Quantity10Product ComplianceStatement of Compliance	Dimensions	Stack Height (mm)	8, 12, 16, 20
Usage Conditions       Operating Temperature Range       -40 - 85 °C [-40 - 185 °F]         Operation/Application       Pick and Place Cover       With         Assembly Process Feature       None         Industry Standards       UL Flammability Rating       UL 94V-0         Packaging Features       Packaging Method       Tube, Tube/Box         Product Compliance       Statement of Compliance       10		Stack Height (in)	.787
Operation/Application       Pick and Place Cover       With         Assembly Process Feature       None         Industry Standards       UL Flammability Rating       UL 94V-0         Packaging Features       Packaging Method       Tube, Tube/Box         Packaging Quantity       10         Product Compliance       Statement of Compliance		Height	8 mm [ .3085 in ]
Assembly Process FeatureNoneIndustry StandardsUL Flammability RatingUL 94V-0Packaging FeaturesPackaging MethodTube, Tube/BoxPackaging Quantity10Product CompliancePackaging Compliance	Usage Conditions	Operating Temperature Range	-40 – 85 °C [ -40 – 185 °F ]
Industry Standards       UL Flammability Rating       UL 94V-0         Packaging Features       Packaging Method       Tube, Tube/Box         Packaging Quantity       10         Product Compliance       Statement of Compliance         PDF       Packaging Cuantity	Operation/Application	Pick and Place Cover	With
Packaging Features     Packaging Method     Tube, Tube/Box       Packaging Quantity     10       Product Compliance     Statement of Compliance       PDF     Packaging Quantity		Assembly Process Feature	None
Packaging Quantity     10       Product Compliance     Statement of Compliance       PDF     PDF	Industry Standards	UL Flammability Rating	UL 94V-0
Product Compliance Statement of Compliance PDF	Packaging Features	Packaging Method	Tube, Tube/Box
PDF		Packaging Quantity	10
	Product Compliance	Statement of Compliance	
Products - 20 Results View All Compare 0/10	Products - 20 Results		View All Compare 0/10 🗧
Relation Type	Relation Type 🔻		
RELATIONSHIP Mating Products	Mating Products		
Used to identify Mating Parts See All Mating Products	Used to identify Mating Parts		See All Mating Products



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

# 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

### PRODUCT - MATING PRODUCTS

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

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See All Mating Products

See All Mating Products

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



PRODUCT - MATING PRODUCTS

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

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# 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**