

## Free Height

TE Internal #: 5179029-3

PCB Mount Header, Vertical, Board-to-Board, 80 Position, .8 mm [. 031 in] Centerline, Fully Shrouded, Gold (Au), Surface Mount,

Natural, Free Height

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: PCB Mount Header

Connector System: Board-to-Board

Number of Positions: 80

Centerline (Pitch): .8 mm [ .031 in ]
PCB Mount Orientation: Vertical

## **Features**

## **Product Type Features**

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

## **Configuration Features**

Stackable	Yes
Number of Positions	80
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

## **Electrical Characteristics**

Operating Voltage	100 VAC
Insulation Resistance	2 ΜΩ
Dielectric Withstanding Voltage (Max)	500 VAC

## **Body Features**

## **Contact Features**



PCB Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.4 mm[.016 in]
PCB Contact Termination Area Plating Material Thickness	2 μm[78.74 μin]
Contact Layout	Inline
Contact Base Material	Brass
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Tab
Contact Current Rating (Max)	.5 A
Termination Features	
Rectangular Termination Post & Tail Width	.25 mm[.01 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount
Mechanical Attachment	
Mounting Alignment Feature Length	.5 mm[.02 in]
PCB Mount Alignment Type	Positioning Bosses
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without
Housing Features	
Mating Entry Location	Тор
Centerline (Pitch)	.8 mm[.031 in]
Housing Material	Thermoplastic
Dimensions	
Connector Height	6 mm[.236 in]
Stack Height	6 mm, 10 mm, 14 mm, 18 mm[.236 in][.394 in][.551 in][.709 in]
Usage Conditions	
Housing Temperature Rating	High
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]



#### Operation/Application

Assembly Process Feature	None
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
	.5 in
Packaging Quantity	12
Packaging Method	Box, Tube

## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

# Compatible Parts

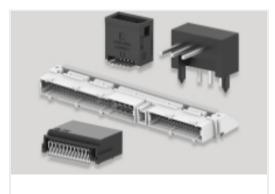




## Also in the Series | Free Height

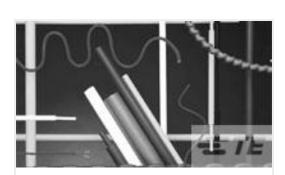


Board-to-Board Headers & Receptacles(746)

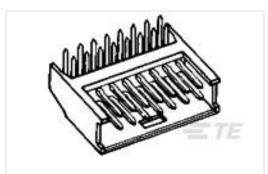


PCB Headers & Receptacles(746)

## Customers Also Bought



TE Part #2871014001 GPO-135-25.4/12.7-0-SP

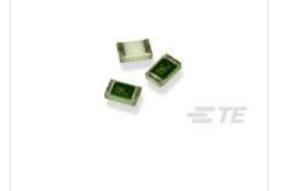


TE Part #280390-2 2X8P MODU II SHRD HDR,RT ANG, 0.38AU



TE Part #1625862-2 RH73 2A 20G 30% 1000PPM 1K RL





TE Part #1-2176217-1 CPF A 0805 33R 0.1% 25PPM 1K RL



TE Part #CAT-313-RCB80 Free Height Receptacle Conn: Board-Board, Vertical, 80, 0.8mm



TE Part #5177983-5 0.8FH,R05H.5,120,08/Sn,TU







## **Documents**

## **Product Drawings**

0.8FH,P06H.5,080,08/Sn,TU

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_5179029-3\_B.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5179029-3\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5179029-3\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

## Datasheets & Catalog Pages

Fine Pitch Stacking Connectors - 0.8mm Free Height (FH) Connectors

English

## **Product Specifications**

**Product Specification** 

English

**Product Specification** 

English