

Free Height

TE Internal #: 3-5177986-5 PCB Mount Header, Vertical, Board-to-Board, 120 Position, .8 mm [. 031 in] Centerline, Fully Shrouded, Gold (Au), Surface Mount, Signal, Free Height

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Connectors > PCB Connectors > PCB Headers & Receptacles > Free Height Plug Connector: Board-Board, Vertical, 120, 0.8mm



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical

Connector System: Board-to-Board

Number of Positions: 120

Centerline (Pitch): .8 mm [.031 in]

All Free Height Plug Connector: Board-Board, Vertical, 120, 0.8mm (21)



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	
Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	120
Electrical Characteristics	

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Operating Voltage	100 VAC
Insulation Resistance	2 ΜΩ
Dielectric Withstanding Voltage (Max)	500 VAC
Body Features	
Assembly Process Feature Material	Steel
Primary Product Color	Natural
Contact Features	
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.2 μm[8 μin]
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]
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Positioning Bosses
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	

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Mating Entry Location	
	Тор
Housing Material	Matte
Centerline (Pitch)	.8 mm[.031 in]
Dimensions	
Stack Height	8 mm, 12 mm, 16 mm, 20 mm[.315 in][.472 in][.63 in][.787 in]
Connector Height	8 mm[.315 in]
Usage Conditions	
Housing Temperature Rating	High
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Operation/Application	
Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
	.5 in
Packaging Quantity	100
	400
Packaging Method	400 Tape & Reel
Packaging Method Product Compliance	
Packaging Method Product Compliance For compliance documentation, visit the product page on TE.com>	Tape & Reel
Packaging Method Product Compliance For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU	Tape & Reel Compliant
Packaging Method Product Compliance For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU EU ELV Directive 2000/53/EC	Tape & Reel Tape & Reel Compliant Compliant No Restricted Materials Above Threshold Current ECHA Candidate List: JAN 2025 (247)
Packaging Method Product Compliance For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU EU ELV Directive 2000/53/EC China RoHS 2 Directive MIIT Order No 32, 2016	Tape & Reel Image: Compliant Compliant Compliant Image: Compliant

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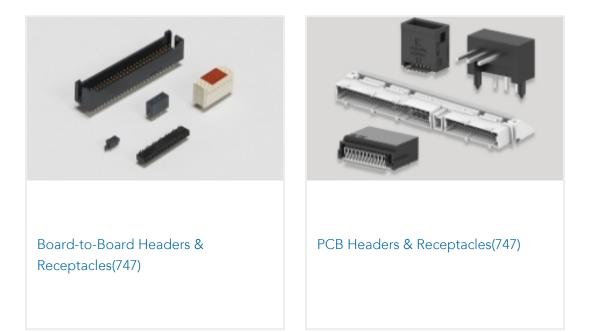
Product Compliance Disclaimer

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



Customers Also Bought



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Documents

3D PDF

3D

Customer View Model ENG_CVM_CVM_3-5177986-5_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-5177986-5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-5177986-5_D.3d_stp.zip

English

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Datasheets & Catalog Pages Fine Pitch Stacking Connectors - 0.8mm Free Height (FH) Connectors

English

Product Specification

English

Product Specification

English

Agency Approvals UL

English