



Free Height

TE Internal #: 5353999-5
Free Height, PCB Mount Receptacle, Vertical, Board-to-Board, 120
Position, .8mm [.031in] Centerline, Gold, Printed Circuit Board

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Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles >

Free Height Receptacle Conn: Board-Board, Vertical, 120, 0.8mm



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **120**

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

[All Free Height Receptacle Conn: Board-Board, Vertical, 120, 0.8mm \(27\)](#)

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	2
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	120
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Body Features

Assembly Process Feature Material	Steel
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Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	2 μm[78.74 μin]
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Type	Socket
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.3 mm[.012 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

PCB Mount Alignment Type	Positioning Bosses
Locating Post Length	.5 mm[.02 in]
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	.8 mm[.031 in]
Housing Color	Natural
Housing Material	Matte

Dimensions

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Connector Height	5 mm[.197 in]
Stack Height	5 mm, 6 mm, 7 mm, 8 mm[.197 in][.236 in][.276 in][.315 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-40 – 125 °C, -40 – 125 °C[-40 – 257 °F][-40 – 257 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

	.5 in
Packaging Quantity	700
Packaging Method	Tape & Reel

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

TE Part # CAT-313-PCB120
Free Height Plug Connector: Board-Board, Vertical, 120, 0.8mm

TE Part # 5179029-5
0.8FH,P06H.5,120,08/Sn,TU

Also in the Series | Free Height

Board-to-Board Headers & Receptacles(764)

Customers Also Bought

TE Part #2-2129710-5
LGA 3647 SOCKETS

TE Part #1888631-2
Cage Assy SAN Hsink QSFP Thru Bezel

TE Part #1735881-5
Free Height Receptacle Conn: Board-Board, Vertical, 120, 0.8mm

TE Part #1-6450550-6
MBXL VERT RCPT 4P+24S+2P

TE Part #1759500-8
CT Blind Mate Box Header: Vertical

TE Part #F257523001
100G1141-0.50-F959CK0226

TE Part #1717832-2
MINI PCI EXPRESS EMBOSS TAPE LATCH

TE Part #1775133-2
MOD JACK, RJ45, MULTIPLE, 1X4, 15u" Au



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5353999-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5353999-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5353999-5_A.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

AMP Common Termination (CT) Connector, 2mm Pitch Crimp Type II, Lead Free Version

English

Product Specification

English

Product Environmental Compliance

MD_5353999-5_01222016851_dmtec

English

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