

5084616-8

✓ ACTIVE

Free Height

TE Internal #: 5084616-8

PCB Mount Receptacle, Vertical, Board-to-Board, 160 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Signal, Natural, Free Height

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Free Height Receptacle Conn: Board-Board, Vertical, 160, 0.8mm



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **160**

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

[All Free Height Receptacle Conn: Board-Board, Vertical, 160, 0.8mm \(17\)](#)

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

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	160
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Operating Voltage	100 VAC
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Body Features

Assembly Process Feature Material	Steel
Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Thickness	2 μm [78.74 μin]
Contact Layout	Inline
Mating Tab Width	.4 mm[.016 in]
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.2 μm [8 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

Mounting Alignment Feature Length	.5 mm[.02 in]
PCB Mount Alignment Type	Positioning Bosses
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 Material

Matte

Dimensions

Connector Height

13 mm [.512 in]

Stack Height

13 mm, 14 mm, 15 mm, 16 mm [.512 in] [.551 in] [.591 in] [.63 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

200

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 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

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

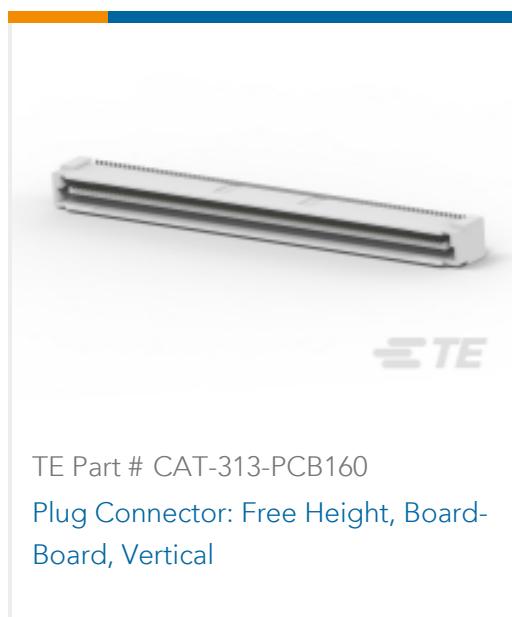
Reflow solder capable to 260°C

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-PCB160
Plug Connector: Free Height, Board-Board, Vertical

Also in the Series | [Free Height](#)



PCB Headers & Receptacles(758)

Customers Also Bought



TE Part # 1-1939638-4
DYNAMIC 1100D HDR ASSY H 28P
XBLACK GOLD



TE Part # 6123001-1
0.8FH,P08H.5,040,30/Sn,TR,SC



TE Part # 1-1623788-2
SQM5 2R2 5% (WIRE)



TE Part # 1-206763-1
METRIMATE PIN HEADER ASSY,24P

TE Part # 2057630-1
CFP Receptacle Conn AssyTE Part # 726387-2
250 FASTON TAB TPBRTE Part # 2199230-2
M.2 0.5PITCH 4.2H KEY E GOLDFLASHTE Part # 2007263-3
SFP+ 1x2 Cage AssemblyTE Part # 2007720-1
IMP100S,R,RA4P16C,UG,46TE Part # 7-2176452-2
CPF 0201 2K94 0.1% 25ppm 1K RL

Documents

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_5084616-8_R.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5084616-8_R.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5084616-8_R.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Fine Pitch Stacking Connectors - 0.8mm Free Height \(FH\) Connectors](#)

English

Product Specifications

[75 Ohm Mini-SMB Series Coaxial Connector](#)

English

[Product Specification](#)

English

[Product Specification](#)

English