

Free Height

TE Internal #: 1-5179029-0

PCB Mount Header, Vertical, Board-to-Board, 200 Position, .8 mm [.031 in] Centerline, Fully Shrouded, Gold, Surface Mount, Signal, Free Height

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Free Height Plug Connector: Board-Board, Vertical, 200, 0.8mm



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **200**

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

[All Free Height Plug Connector: Board-Board, Vertical, 200, 0.8mm \(16\)](#)

Features

Product Type Features

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

Configuration Features

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	200
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

Primary Product Color	Natural
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
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Contact Layout	Inline
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Mating Tab Width	.4 mm[.016 in]
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Mating Tab Thickness	.2 mm[.008 in]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Finish	Matte
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Brass
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Contact Mating Area Plating Material	Gold
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Contact Mating Area Plating Material Thickness	.2 µm[8 µin]
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Contact Type	Tab
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Contact Current Rating (Max)	.5 A
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Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
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Rectangular Termination Post & Tail Width	.25 mm[.01 in]
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Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

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

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

Matte

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

Circuit Application

Signal

Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

.5 in

Packaging Quantity

5

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 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

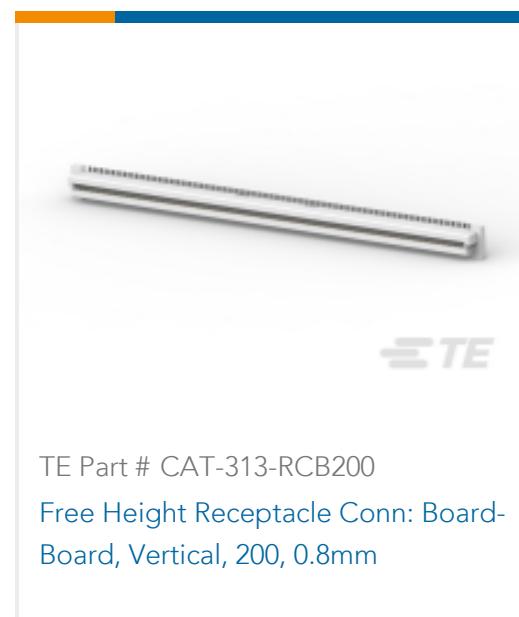
Reflow solder capable to 260°C

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-RCB200
Free Height Receptacle Conn: Board-Board, Vertical, 200, 0.8mm

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



PCB Headers & Receptacles(752)

Customers Also Bought



TE Part # T4132012041-000
M12, FRONT MOUNT, MALE, A, 4P, SOLDER WIRE



TE Part # 1355348-1
MQS, CONNECTOR HOUSING



TE Part # 5-147278-2
03 MTE HDR SRRA SFMNT .100CL



TE Part # 1-1355350-1
MQS ABDECKKAPPE 18P



Documents

Product Drawings

0.8FH,P06H.5,200,08/Sn,TU

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-5179029-0_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-5179029-0_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5179029-0_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