

Free Height

TE Internal #: 146888-1

PCB Mount Header, Vertical, Board-to-Board, 64 Position, 1 mm [. 039 in] Centerline, Fully Shrouded, Gold, Surface Mount, Signal,

Black, Free Height

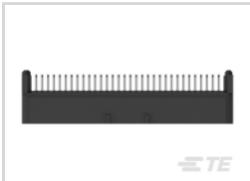
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Connectors > PCB Connectors > PCB Headers & Receptacles > Free Height Plug Connector: Board-Board, Vertical, 64, 1mm











PCB Connector Assembly Type: PCB Mount Header

PCB Mount Orientation: Vertical Connector System: Board-to-Board

Number of Positions: 64

Centerline (Pitch): 1 mm [.039 in]

All Free Height Plug Connector: Board-Board, Vertical, 64, 1mm (40)

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

Number of Columns	32
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	64
Board-to-Board Configuration	Parallel

Electrical Characteristics



Operating Voltage 250 VAC Signal Characteristics Differential Signaling Yes Body Features Primary Product Color Black Contact Features Contact Features Contact Mading Area Length 2 mm PCB Contact Lormination Area Plating Material Thickness 3.81 um(150 µin) Contact Layout Inline Mating Tab Width	Insulation Resistance	2 ΜΩ
Body Features Prinary Product Color Black Contact Features Contact Mating Area Length 2 mm PCB Contact Termination Area Plating Material Thickness 3.81 µm[150 µin] Contact Layout Inline Mating Tab Width .53 mm[.024 in] Mating Tab Thickness 2 mm[.008 in] Contact Underplating Material Thickness 1.27 µm[50 µin] Contact Underplating Material Thickness 1.27 µm[50 µin] Contact Shape & Form Single Beam PCB Contact Termination Area Plating Material Contact Base Material Contact Base Material Contact Mating Area Plating Material Thickness .76 µm[29.9212 µin] Contact Type Pin Contact Type Pin Contact Current Rating (Max) 1.A Termination Features Rectangular Termination Post & Tail Thickness .2 mm[.008 in] Rectangular Termination Post & Tail Thickness .2 mm[.008 in] Rectangular Termination Method to Printed Circuit Board Surface Mount Mechanical Attachment PCB Mount Alignment Type Locating Posts Mating Retention Without Mating Alignment Without Mating Alignment Type None PCB Mount Retention Without Mating Alignment Type None PCB Mount Retention Without Mating Alignment Type Without Mating Alignment Type Without Mating Alignment Type None	Operating Voltage	250 VAC
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	Mating Alignment Type	None
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Housing Features

Mating Entry Location	Тор
Centerline (Pitch)	1 mm[.039 in]
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Connector Length	34.22 mm[1.347 in]
Connector Height	8.35 mm[.328 in]
Connector Width	3.81 mm[150 in]
Stack Height	10 mm, 12 mm, 13 mm, 15 mm[.591 in]

Usage Conditions

Operating Temperature Range	-55 – 110 °C[-67 – 230 °F]

Operation/Application

Assembly Process Feature	None
Circuit Application	Signal

Industry Standards

UL Rating	Listed
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR7189, UL E28476
Industry Standard	IEEE 1386
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	400
Packaging Method	Tape & Reel

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold:



Pb (13% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per
	homogenous material. Also BFR/CFR/PVC
	Free

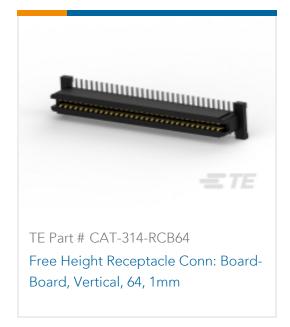
Solder Process Capability

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



Customers Also Bought























Documents

Product Drawings

1FHP,64,30A/P,S,C,S10,12,13,15

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_146888-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_146888-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_146888-1_F.3d_stp.zip

English

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

Product Specifications

PCB Mount Header, Vertical, Board-to-Board, 64 Position, 1 mm [.039 in] Centerline, Fully Shrouded, Gold, Surface Mount, Signal, Black, Free Height



Application Specification

English