1-5146888-1 ACTIVE

Free Height

TE Internal #: 1-5146888-1

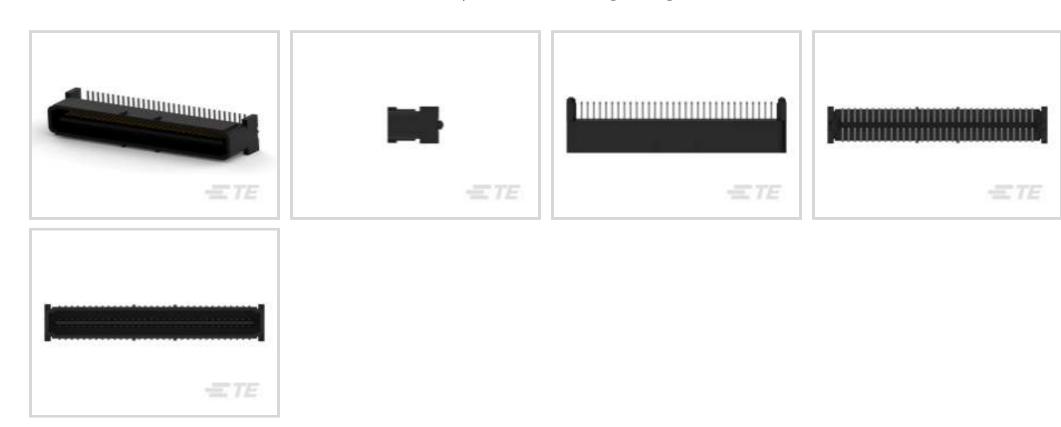
PCB Mount Header, Vertical, Board-to-Board, 64 Position, 1 mm [. 039 in] Centerline, Fully Shrouded, Gold, Surface Mount, Signal,

Black, Free Height

View on TE.com >



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
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	
Insulation Resistance	2 ΜΩ



Differential Signaling Body Features Primary Product Color Black	Operating Voltage	250 VAC
Body Features Primary Product Color Contact Mating Area Longth PCB Contact Termination Area Plating Material Thickness Contact Layout Inline Mating Tab Thickness Inline Mating Tab Thickness Inline Mating Tab Thickness Inline Mating Tab Thickness Inline Contact Underplating Material Thickness Inline Mating Tab Thickness Inline Mating Tab Thickness Inline Contact Underplating Material Thickness Inline Contact Underplating Material Thickness Inline Contact Shape & Form Single Beam PCB Contact Termination Area Plating Material Thish Contact Base Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Type Pin Contact Type Pin Contact Current Rating (Max) I A Termination Features Rectangular Termination Post & Tail Thickness Inline Rectangular Termination Post & Tail Width Inline Surface Mount Mechanical Attachment PCB Mount Alignment Type Locating Posts Mating Recention Without Mating Alignment Mating Alignmen	Signal Characteristics	
Primary Product Color Contact Features Contact Mating Area Length 4.27 mm[.168 in] PCB Contact Termination Area Plating Material Thickness 3.81 µm[.150 µin] Contact Layout Inline Mating Tab Width 6.3 mm[.024 in] Mating Tab Thickness 2 mm[.008 in] Contact Underplating Material Thickness 1.27 µm[.50 µin] PCB Contact Termination Area Plating Material Finish Matte Contact Shape & Form Single Beam PCB Contact Termination Area Plating Material Tin Contact Base Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Type Pin Contact Current Rating (Max) 1 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 None Mating Alignment I type None Mating Alignment I type None PCB Mount Retention Without Michout Michout Michout Without Michout Without Without Without Without Without Without Without	Differential Signaling	Yes
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Mating Alignment Type PCB Mount Retention Without	PCB Mount Retention Type	None
PCB Mount Retention Without	Mating Alignment	Without
	Mating Alignment Type	None
PCB Mount Alignment With	PCB Mount Retention	Without
	PCB Mount Alignment	With



Housing Features

Mating Entry Location	Тор
Centerline (Pitch)	1 mm[.039 in]
Housing Material	Thermoplastic
Dimensions	

Dimensions

Connector Length	34.22 mm[1.347 in]
Connector Height	8.38 mm[.329 in]
Connector Width	3.81 mm[150 in]
Stack Height	9 mm, 11 mm, 14 mm[.551 in]

Usage Conditions

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

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	400
Packaging Type	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC



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

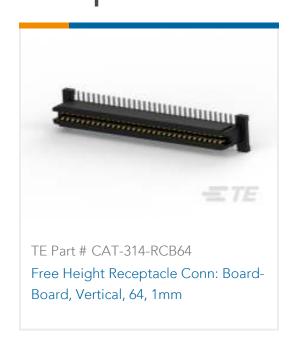
Solder Process Capability

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



Also in the Series | Free Height



Customers Also Bought











Documents

Product Drawings

1FHP,64,50A/S,S,C,S10,12,13,15

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-5146888-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5146888-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5146888-1_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 - 1.0mm Free Height (FH) (IEEE 1386) Connectors

English

Product Specifications

Application Specification

English