5177983-6 ACTIVE

Free Height

TE Internal #: 5177983-6

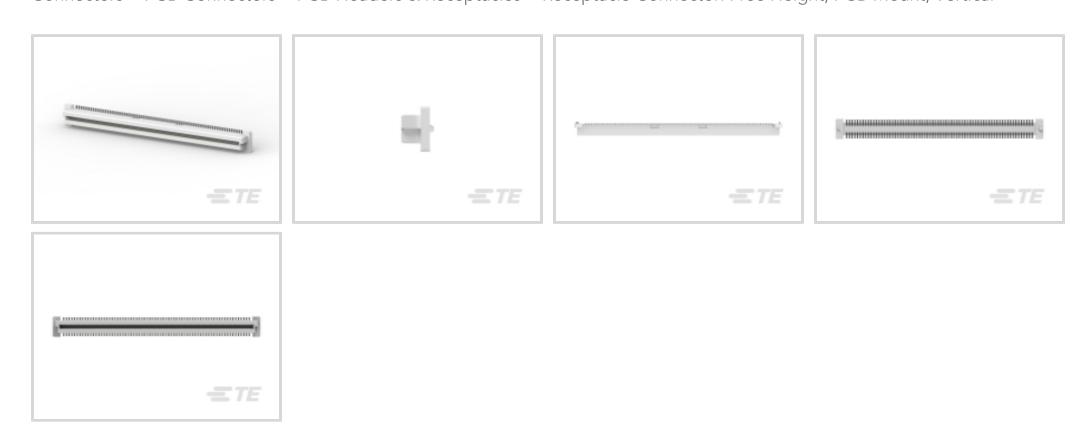
PCB Mount Receptacle, Vertical, Board-to-Board, 140 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Signal, Natural, Free

Height

View on TE.com >



Connectors > PCB Connectors > PCB Headers & Receptacles > Receptacle Connector: Free Height, PCB Mount, Vertical



PCB Connector Assembly Type: PCB Mount Receptacle

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

Number of Positions: 140

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

All Receptacle Connector: Free Height, PCB Mount, Vertical (21)

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	140
Board-to-Board Configuration	Parallel
Electrical Characteristics	
Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 ΜΩ



dy Features rimary Product Color	
rimary Product Color	
That's Freduct Gold.	Vatural
ntact Features	
CB Contact Termination Area Plating Material Thickness 2	2 μm[78.74 μin]
ontact Layout Ir	nline
ating Tab Width .4	4 mm[.016 in]
ating Tab Thickness .2	2 mm[.008 in]
CB Contact Termination Area Plating Material Finish	Matte
ontact Shape & Form	Square
CB Contact Termination Area Plating Material T	īin
ontact Base Material	Copper Alloy
ontact Mating Area Plating Material	Gold
ontact Mating Area Plating Material Thickness .2	2 μm[8 μin]
ontact Type S	Socket
ontact Current Rating (Max)	5 A
mination Features	
ectangular Termination Post & Tail Thickness .2	2 mm[.008 in]
ectangular Termination Post & Tail Width	3 mm[.012 in]
ermination Method to Printed Circuit Board S	Surface Mount
chanical Attachment	
ounting Alignment Feature Length	5 mm[.02 in]
CB Mount Alignment Type P	Positioning Bosses
ating Alignment V	Vith
ating Alignment Type P	Polarization
CB Mount Retention V	Vithout
CB Mount Alignment V	Vith
onnector Mounting Type	Board Mount
using Features	
ating Entry Location T	ор
enterline (Pitch)	8 mm[.031 in]
ousing Material	Matte



Dimensions

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	

High

-40 - 125 °C[-40 - 257 °F]

Operation/Application

Housing Temperature Rating

Operating Temperature Range

Assembly Process Feature	None
Circuit Application	Signal

Industry Standards

	UL Flammability Rating	UL 94V-0	
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Packaging Features

	.5 in
Packaging Quantity	7
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





Also in the Series | Free Height



Customers Also Bought





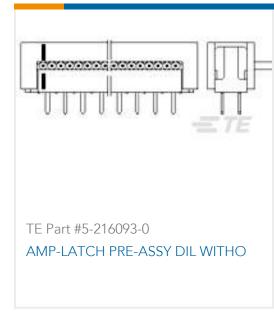
















Documents

Product Drawings

0.8FH,R05H.5,140,08/Sn,TU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5177983-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5177983-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5177983-6_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

Product Specification

English

PCB Mount Receptacle, Vertical, Board-to-Board, 140 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Signal, Natural, Free Height

