

### Free Height

TE Internal #: 5-1735480-6 PCB Mount Receptacle, Vertical, Board-to-Board, 140 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Signal, Natural, Free Height

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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

Connector System

PCB Mount Receptacle

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			
Operating Voltage	100 VAC			
Body Features				
Primary Product Color	Natural			
Contact Features				

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	07/30/2023 (	
Housing Temperature Rating	High	
Usage Conditions	JL JL J	
Stack Height	17 mm, 18 mm, 19 mm, 20 mm[.669 in][.709 in][.748 in][.787 in]	
Connector Height	17 mm[.669 in]	
Dimensions		
Housing Material	Matte	
Centerline (Pitch)	.8 mm[.031 in]	
Mating Entry Location	Тор	
Housing Features		
Connector Mounting Type	Board Mount	
PCB Mount Alignment	With	
PCB Mount Retention	Without	
Mating Alignment Type	Polarized	
Mating Alignment	With	
PCB Mount Alignment Type	Positioning Bosses	
Mounting Alignment Feature Length	.5 mm[.02 in]	
Mechanical Attachment		
Termination Method to Printed Circuit Board	Surface Mount	
Rectangular Termination Post & Tail Width	.3 mm[.012 in]	
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]	
Termination Features		
Contact Current Rating (Max)	.5 A	
Contact Type	Socket	
	8 µin	
Contact Mating Area Plating Material	Gold	
Contact Base Material	Copper Alloy	
PCB Contact Termination Area Plating Material	Tin	
PCB Contact Termination Area Plating Material Finish	Matte	
Mating Tab Thickness	.2 mm[.008 in]	
Mating Tab Width	.4 mm[.016 in]	
Contact Layout	Inline	

**C** For support call+1 800 522 6752

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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	7
Packaging Type	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: JUNE 2023

(235)Candidate List Declared Against: JAN 2023(233)Does not contain REACH SVHC

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

Solder Process Capability

Halogen Content

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**

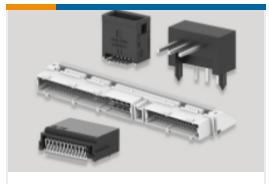
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Also in the Series | Free Height



PCB Headers & Receptacles(759)

# Customers Also Bought



TE TE	-E TE			
TE Part #0460-202-16141 DEUTSCH Solid Contacts	TE Part #282104-1 AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING	TE Part #281934-2 SINGLE WIRE SEAL	TE Part #DT04-2P REC, 2P, GRY, N	
	TE	J = TE		
TE Part #DT06-2S PLG, 2P, GRY, N	TE Part #W2S Wedgelocks: DEUTSCH DT	TE Part #114017-ZZ SEALING PLUG, SIZE 12/16, WHT		

## Documents

Product Drawings 0.8FH,R17H.5,140,08/Sn,TU

English

CAD Files

Customer View Model ENG\_CVM\_CVM\_5-1735480-6\_A.2d\_dxf.zip

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English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5-1735480-6\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1735480-6\_A.3d\_stp.zip

English

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

Product Specifications Product Specification

English

**Product Specification** 

English