TE Internal #: 3-1827159-8

PCB Mount Receptacle, Vertical, Board-to-Board, 8 Position, 1.25 mm [.049 in] Centerline, Tin (Sn), Surface Mount, Signal, Black, Tape

& Reel

View on TE.com >



Connectors > PCB Connectors > PCB Headers & Receptacles











PCB Connector Type: PCB Mount Receptacle

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

Number of Positions: 8

Number of Rows: 1

## **Features**

## Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

## **Configuration Features**

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

## **Electrical Characteristics**

Operating Voltage	50 VAC
Insulation Resistance	1 ΜΩ



Dielectric Withstanding Voltage (Max)	500 VAC
Body Features	
Primary Product Color	Black
Contact Features	
Mating Pin Diameter	.5 mm[.019 in]
Contact Mating Area Plating Material Thickness	.8 μm[31.5 μin]
PCB Contact Termination Area Plating Material Thickness	.8 μm[31.5 μin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Socket
Contact Current Rating (Max)	.5 A
Termination Features	
Rectangular Termination Post & Tail Width	1.8 mm[.07 in]
Rectangular Termination Post & Tail Thickness	.3 mm[.011 in]
Termination Method to PCB	Surface Mount
Mechanical Attachment	
Mating Alignment Type	Polarization
PCB Mount Retention Type	None
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Mating Entry Location	Тор
Housing Material	Polyphenylene Sulfide (PPS)
Centerline (Pitch)	1.25 mm[.049 in]
Dimensions	
Stack Height	5 mm, 6.5 mm, 7 mm, 10.5 mm[.197 in][.256 in][.276 in][.413 in]



### **Usage Conditions**

Housing Temperature Rating	High
Operating Temperature Range	-30 - 105 °C[-22 - 221 °F]
Operation/Application	
Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	1000

Tape & Reel

## **Product Compliance**

Packaging Method

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 245°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 # 6-720999-3
COVER TAPE 12W FOR 1.25 FP

TE Part # 1-720999-4
EMBOSS TAPE 16W-1580 HOLE

# Customers Also Bought



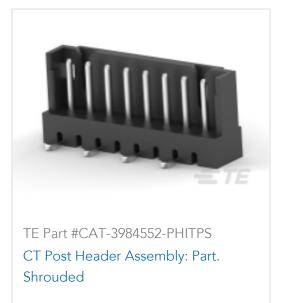
















## **Documents**

Product Drawings 1.25FP,R08,SL,B,C,TR

Japanese

CAD Files
3D PDF

3D



**Customer View Model** 

ENG\_CVM\_CVM\_3-1827159-8\_O.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_3-1827159-8\_O.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_3-1827159-8\_O.3d\_stp.zip

English

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

## **Product Specifications**

AMP 1.25mm F-P Connector (Board To Board)

Japanese

**Product Specification** 

Japanese