TE Internal #: 4-5353515-0

PCB Mount Header, Vertical, Board-to-Board, 40 Position, .5 mm [.

02 in] Centerline, Gold, Surface Mount, Signal, Black, Tape & Reel

View on TE.com >

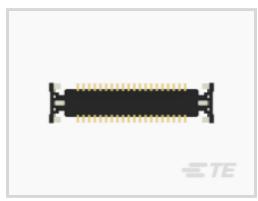


### Connectors > PCB Connectors > PCB Headers & Receptacles











PCB Connector Assembly Type: PCB Mount Header

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

Number of Positions: 40

Centerline (Pitch): .5 mm [ .02 in ]

### **Features**

## **Dimensions**

Stack Height

Electrical Characteristics		
Operating Voltage	250 VAC	
Insulation Resistance	2 ΜΩ	
Dielectric Withstanding Voltage (Max)	500 VAC	
Packaging Features		

1.5 mm[.059 in]

Packaging Quantity	1500
Packaging Method	Tape & Reel

## **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

### Mechanical Attachment



Mating Alignment Type	Keyed
PCB Mount Retention Type	None
PCB Mount Alignment Type	None
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Termination Features	
Rectangular Termination Post & Tail Width	.6 mm[.024 in]
Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Termination Method to PCB	Surface Mount
Contact Features	
	8 µin
Mating Tab Width	.15 mm[.006 in]
PCB Contact Termination Area Plating Material Thickness	.05 μm[2 μin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material	Gold
Contact Type	Tab
Contact Current Rating (Max)	.3 A
Housing Features	
Housing Material	High heat-resisted resin
Centerline (Pitch)	.5 mm[.02 in]
Configuration Features	
Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	40
Product Type Features	
PCB Connector Assembly Type	PCB Mount Header



Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Body Features	
Primary Product Color	Black
Industry Standards	
UL Flammability Rating	UL 94V-0
Other	
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

## **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 2024 (241) Candidate List Declared Against: JUL 2021 (219) 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 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 # 9-912068-6 EMBOSS TAPE 24W 0.5 FS TAB TE Part # 316752-2 0.5 BTB TAB CONT. AU TE Part # 1-912069-2 COVER TAPE 21.5W

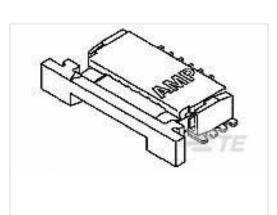
## Customers Also Bought



TE Part #2324869-1 CONNECTOR ASSEMBLY, SMT, PDNI, OSFP



TE Part #796644-2 2POS 5.0MM CE R/A HDR,TRM BLK

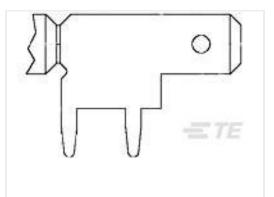


TE Part #2-84952-0 1MM FPC HORZ.BTTM CONT.ASS.20P





TE Part #1-2040832-4
EMBOSS TAPING 0.25FPC BF-L-1.3



TE Part #1217061-1 187 FASTON,FLAG,TAB,TNBR



TE Part #3-1761603-3
IDC LOW PRO HDR 40P VERT BLUE



TE Part #2342933-2 QSFP-DD 1X1, STANDARD, W/ EXTRUDED HS



TE Part #2-406541-3
MJ,INV,1X1,6PNL G,.100"ST,SN,
NARROW POST



## **Documents**

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_4-5353515-0\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_4-5353515-0\_A.3d\_igs.zip

English



**Customer View Model** 

ENG\_CVM\_CVM\_4-5353515-0\_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 Catalog - 0.5mm Fine Stack and Fine Mate Connectors

English

## **Product Specifications**

**Product Specification** 

English

### **Instruction Sheets**

0.5MM F-S CONNECTOR(H 1.5MM) (BOARD TO BOARD SMT TYPE) HANDLING AND OPERATION INSTRUCTION SHEET

English

Instruction Sheet (non U.S.)

English