



TE Internal #: 4-5353512-5  
PCB Mount Receptacle, Vertical, Board-to-Board, 40 Position, .5mm  
[.02in] Centerline, Gold, Printed Circuit Board, .3A Contact Current  
Rating (Max)  
[View on TE.com >](#)

Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **40**  
Centerline (Pitch): **.5 mm [ .02 in ]**

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	40
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 MΩ
Operating Voltage	250 VAC

Contact Features

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Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	.05 µm[2 µin]
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Type	Socket
Contact Current Rating (Max)	.3 A

Termination Features

Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

PCB Mount Alignment Type	None
PCB Mount Retention Type	None
Mating Alignment	With
Mating Alignment Type	Keyed
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	.5 mm[.02 in]
Housing Color	Black
Housing Material	High heat-resisted resin

Dimensions

Connector Height	1.2 mm[.04 in]
Stack Height	1.5 mm[.059 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Assembly Process Feature	Vacuum Cover
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Circuit Application

Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1500
Packaging Method	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: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1-912069-2  
COVER TAPE 21.5W

TE Part # 9-912068-3  
EMBOSS TAPE 24W 0.5 FS REC

Customers Also Bought

TE Part #2-1393210-0  
T9AS1D12-5

TE Part #2169678-6  
SFP+ assy 2x5 Gasket Inner LP Sn

TE Part #5084615-2  
0.8FH,P06H.5,060,30/Sn,TU

TE Part #1766188-1  
CONTACT,SKT,#12

TE Part #2018855-1  
ASSY, SEATING TL, 4 ROW, 8 COL

TE Part #2149977-2  
IMP100S,H,V4P6C,UG,REW39,4.9

TE Part #2170207-4  
1X6 QSFP ASSEMBLY THRU BZL W/4 PORT LP

TE Part #5-147382-2  
20 50/50 HDR SMT.320 W/HD SN

TE Part #6651646-1  
CONNECTOR, PIN, RIGHT ANGLE, SOLDER,FLAT

TE Part #6651647-1  
CONNECTOR, SOCKET, STRAIGHT, SOLDER,FLA

Documents

Product Drawings  
ON TAPING (EMBOSS) 0.5MM FS CONN. REC. A  
Japanese

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_4-5353512-5\_A.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-5353512-5\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-5353512-5\\_A.3d\\_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English