



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **110**  
Number of Rows: **2**

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

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	110
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	600 VAC
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Body Features

Primary Product Color	Gray
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Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.46 mm[.018 in]



Contact Layout	Staggered
Contact Base Material	Beryllium Copper
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1.5 A

Termination Features

Rectangular Termination Post & Tail Width	.46 mm[.018 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Post & Tail Length	3.56 mm, 4.83 mm[.14 in][.19 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Keyed
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Row-to-Row Spacing	3.81 mm[.15 in]
Stack Height	15.24 mm[.6 in]
PCB Thickness (Recommended)	.05 – .07 mm[.054 – .07 in]
Connector Height	5.46 mm[.215 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Assembly Process Feature	None
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	6
Packaging Method	Package

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4% in Plating) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°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>

Customers Also Bought

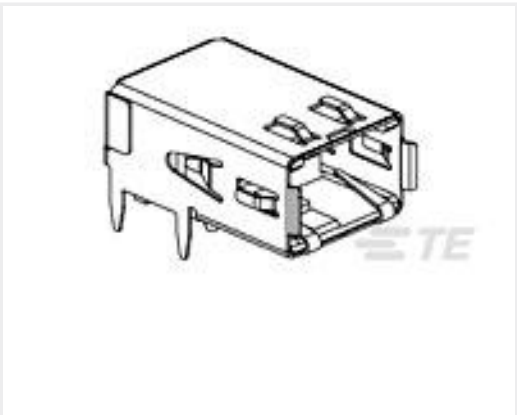
TE Part #2176314-4  
MELF SMA\_A 180R 0.1% 15PPM 0102 0.3W

TE Part #3-1415020-1  
PT570N20


TE Part #5-103911-3  
60 SYSTEM 50 RCPT ASSY DRRA

TE Part #5-104076-2  
60 SYS50 HDR DRST SHRD W/SL SN







TE Part #1761072-3  
RECPT,HSSDC2,FIBRE,TRAY PKG




TE Part #5146893-2  
1FHR,84,30A/S,S,C,S08,09,10



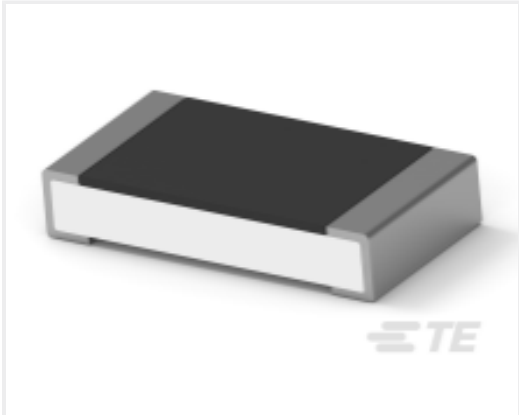
TE Part #1-928836-2  
MOD2 PIN WITH A-PIN L/P



TE Part #1-1437581-1  
ASE22RL=AUTOSLIDE DP



TE Part #7-2176246-6  
CRGS2512 5% 1M8



TE Part #4-2176391-7  
RQ 1206 37K4 0.1% 10PPM 5K RL

Documents

Product Drawings  
MINI BX-RCPT ASSY 110 POS

English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_530720-8\_AF.2d\_dxf.zip

English

Customer View Model  
ENG\_CVM\_CVM\_530720-8\_AF.3d\_igs.zip

English

Customer View Model  
ENG\_CVM\_CVM\_530720-8\_AF.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Instruction Sheets  
Instruction Sheet (U.S.)

English

AMP 501 SERIES MINI-BOX CONNECTORS

English