

MINI-MATCH

TE Internal #: 1-5164711-6
PCB Mount Receptacle, Right Angle, Board-to-Board, 16 Position,
2.5 mm [.098 in] Centerline, Tin, Through Hole - Solder, Signal, Box
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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Right Angle**
Connector System: **Board-to-Board**
Number of Positions: **16**
Centerline (Pitch): **2.5 mm [.098 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	No
PCB Mount Orientation	Right Angle
Number of Positions	16

Electrical Characteristics

Insulation Resistance	1 MΩ
Operating Voltage	354 VAC

Contact Features

PCB Contact Termination Area Plating Material Thickness	3.04 – 5.08 μm[120 – 200 μin]
Contact Layout	Inline
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Contact Type	Socket



Contact Current Rating (Max)	7 A
Termination Features	
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Rectangular Termination Post & Tail Width	.79 mm[.031 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
PCB Mount Alignment Type	Post Polarization
PCB Mount Retention Type	Solder Tail
Mating Alignment	With
Mating Alignment Type	Polarizing Tab
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Housing Features	
Mating Entry Location	Side
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Thermoplastic
Dimensions	
	1.27 in
Usage Conditions	
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	750
Packaging Method	Box

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: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

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 # 1-5164713-6
16P.MINI-MATCH ASSY

Customers Also Bought

TE Part #1318108-1
DYNAMIC D-2000 REC CONT S L/P

TE Part #2-2176331-0
CRGP 2512 390R 1%

TE Part #1-1649328-0
RT314005

TE Part #ANT-LPC-FPC-100
Antenna Vert 5G LTE FPC 100



Documents

Product Drawings
16pos.MINI-MATCH FBTB, 2.5mm pitch
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-5164711-6_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-5164711-6_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-5164711-6_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
Mini Match Connection System
English
Product Specification
English

Instruction Sheets
Instruction Sheet (non U.S.)
German