



## 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[View on TE.com >](#)

Connectors &gt; PCB Connectors &gt; PCB Headers &amp; 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**

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	3.04 – 5.08 μm[120 – 200 μin]
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
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### 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 Printed Circuit Board	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
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### Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	750
Packaging Type	Box

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2022 (224) 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



## 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.

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## Product Specifications

[Product Specification](#)

**Mini Match Connection System**

English

[Product Specification](#)

English

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## Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

German