



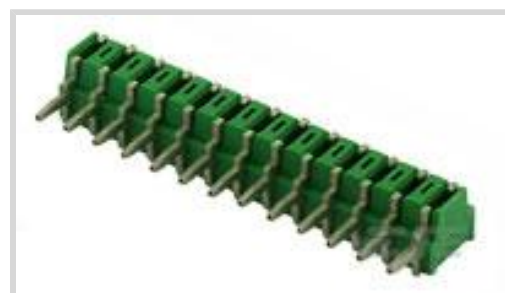
MINI-MATCH

TE Internal #: 1-5164711-6

PCB Mount Receptacle, Right Angle, Board-to-Board, 16 Position, 2.5mm [.098in] Centerline, Tin, Printed Circuit Board, 7A 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: **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

Number of Rows	1
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 μ m[50 μ in]
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Contact Type	Socket
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Contact Current Rating (Max)	7 A
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Termination Features

Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
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Rectangular Termination Post & Tail Width	.79 mm[.031 in]
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Termination Post & Tail Length	3.2 mm[.126 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

PCB Mount Alignment Type	Post Polarization
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PCB Mount Retention Type	Solder Tail
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Mating Alignment	With
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Mating Alignment Type	Polarizing Tab
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PCB Mount Retention	With
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PCB Mount Alignment	With
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Connector Mounting Type	Board Mount
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Housing Features

Mating Entry Location	Side
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Centerline (Pitch)	2.5 mm[.098 in]
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Housing Material	Thermoplastic
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Dimensions

	1.27 in
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Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F][-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
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Packaging Method	Box
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Other



Comment	Board-to-Board applications
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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: JAN 2021 (211) 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

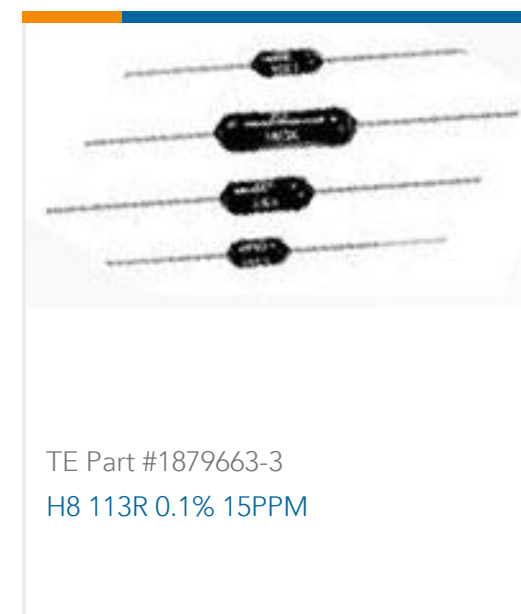
Product Compliance Disclaimer

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



Customers Also Bought



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

Mini Match Connection System

English

Product Specification

English

Product Specification

Instruction Sheets

Instruction Sheet (non U.S.)

1-5164711-6

PCB Mount Receptacle, Right Angle, Board-to-Board, 16 Position, 2.5mm [.098in]
Centerline, Tin, Printed Circuit Board, 7A Contact Current Rating (Max)



German