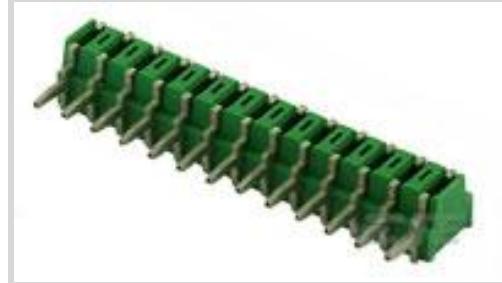


MINI-MATCH

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[View on TE.com >](#)

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****Electrical Characteristics**

| | |
|-----------------------|---------|
| Operating Voltage | 354 VAC |
| Insulation Resistance | 1 MΩ |

Dimensions

1.27 in

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 750 |
| Packaging Method | Box |

Mechanical Attachment

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

Termination Features

| | |
|---|------------------|
| Rectangular Termination Post & Tail Width | .79 mm [.031 in] |
| Rectangular Termination Post & Tail Thickness | .5 mm [.02 in] |

| | |
|--------------------------------|------------------|
| Termination Post & Tail Length | 3.2 mm [.126 in] |
|--------------------------------|------------------|

| | |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Contact Features

| | |
|---|---|
| Contact Mating Area Plating Material Thickness | 1.27 μm [50 μin] |
| PCB Contact Termination Area Plating Material Thickness | 3.04 – 5.08 μm [120 – 200 μin] |
| Contact Layout | Inline |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Socket |
| Contact Current Rating (Max) | 7 A |

Housing Features

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

Configuration Features

| | |
|-----------------------|-------------|
| Stackable | No |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 16 |

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
|--------------------|-----------|

EU ELV Compliance

Compliant

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 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 #2-1318115-3
DYNAMIC D2100 TAB HSG 6P F/H YTE Part #5177985-6
0.8FH,R05H.5,140,08/Sn,TR,SCTE Part #8-1768016-3
CSL-02713P-9TE Part #2-1393250-5
W28-XQ1A-10=W28-TE Part #7-1879208-3
CPF 0402 10K 0.1% 25PPM 1K RLTE Part #1-5164713-0
10P.MINI-MATCH ASSYTE Part #1879216-6
CPF 0402 56K2 0.1% 25PPM 1K RLTE Part #3-1393250-1
W28-XQ1A-16=W28TE Part #320559
PIDG SPLICE 22-16COMM 22-18MILTE Part #9-1437139-7
FSN-21A-3=NOMEX FS STD

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