

5164854-8 ✓ ACTIVE



MINI-MATCH

TE Internal #: 5164854-8

PCB Mount Receptacle, Right Angle, Board-to-Board, 8 Position, 5 mm [.197 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: **8**

Centerline (Pitch): **5 mm [.197 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 | 8 |

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 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) | 5 mm[.197 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 | 1000 |
| Packaging Method | Box |

Product Compliance

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




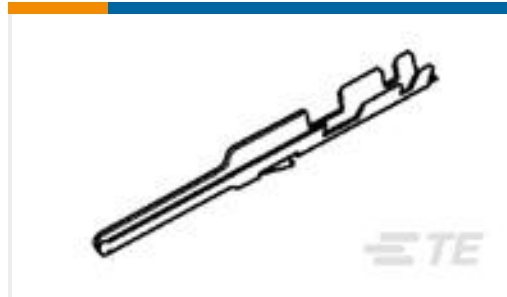






| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared 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>

Customers Also Bought

| | | | |
|--|--|--|---|
|  <p>TE Part #2-103634-7 05 MTE HDR SRRA LATCH .100CL</p> |  <p>TE Part #CS3253-000 MT-LWA-.043-X-SP</p> |  <p>TE Part #1-5164854-1 11pos.MINI-MATCH FBTB, 5mm pitch</p> |  <p>TE Part #166678-1 MOD 4 PIN CONTACT</p> |
|  <p>TE Part #1-5164856-2 12 pos MINI-MATCH MALE ASSy, 5mm pitch</p> |  <p>TE Part #925681-1 PCB SOCKET TPBR LP</p> |  <p>TE Part #2-1415546-9 RM627012</p> |  <p>TE Part #3-284932-6 DUOPLUG MKI STD,6 POS, KEYED 4</p> |

Documents



Product Drawings

[08pos.MINI-MATCH FBTB, 5mm pitch](#)

English

CAD Files

Customer View Model

[ENG_CVM_5164854-8_A.2d_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG_CVM_5164854-8_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5164854-8_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