



MINI-MATCH

TE Internal #: 5164713-5
PCB Mount Header, Vertical, Board-to-Board, 5 Position, 2.5 mm [.098 in] Centerline, Unshrouded, Tin, Through Hole - Solder, Power & Signal, Green

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **5**
Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

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

Configuration Features

| | |
|-----------------------|----------|
| Number of Columns | 5 |
| PCB Mount Orientation | Vertical |
| Number of Positions | 5 |

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Green |
|-----------------------|-------|

Contact Features

| | |
|--|------------------|
| Contact Layout | Inline |
| Mating Tab Width | 2.79 mm[.11 in] |
| Mating Tab Thickness | .5 mm[.02 in] |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 3.04 µm[120 µin] |



| | |
|------------------------------|-----|
| Contact Type | Tab |
| Contact Current Rating (Max) | 7 A |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Thickness | .5 mm[.02 in] |
| Rectangular Termination Post & Tail Width | .78 mm[.03 in] |
| Termination Post & Tail Length | 3.2 mm[.125 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|-------------------------|-------------|
| Mating Alignment | Without |
| PCB Mount Retention | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 2.5 mm[.098 in] |
| Housing Material | PBT GF20 |

Dimensions

| | |
|-----------------------------|------------------|
| Connector Length | 12.5 mm[.492 in] |
| Connector Height | 5.9 mm[.232 in] |
| Connector Width | 6.3 mm[.248 in] |
| PCB Thickness (Recommended) | 1.6 mm[.06 in] |

Usage Conditions

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

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|---|------------|
| UL Rating | Recognized |
| Compatible With Agency/Standards Products | UL |
| Compatible With Approved Standards Products | UL |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 3500 |
| 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: JUNE 2022 (224) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 240°C |


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








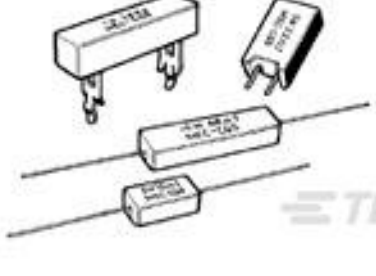


TE Part # 5164711-5
05pos.MINI-MATCH FBTB, 2.5mm pitch



TE Part # 5164897-5
05P MINI MATCH RA male, 2.5 mm pitch

Customers Also Bought



| | | | |
|--|---|--|--|
|  <p>TE Part #2-331272-6 SOCKET,MIN-SPR AU SER-2</p> |  <p>TE Part #2176070-4 3521 13R 1% 2W</p> |  <p>TE Part #5-2176230-2 3522 15K 5% 3W</p> |  <p>TE Part #5-2176230-0 3522 10K 5% 3W</p> |
|  <p>TE Part #1625890-5 2W SM M/OX 5% 10K</p> |  <p>TE Part #1-1623795-4 SQP10 5R6 5% WIRE</p> |  <p>TE Part #154744-E SMCQ 80 F AB VV 7-03 CL * 0007 137 E002</p> |  <p>TE Part #154809-E SMCB 80 F AB VV 7-13 CL * H007 137 E002</p> |

Documents

Product Drawings

5P.MINI-MATCH ASSY

English

CAD Files

Customer View Model

ENG_CVM_5164713-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_5164713-5_A.3d_stp.zip

English

Customer View Model

ENG_CVM_5164713-5_A.2d_dxf.zip

English

3D PDF

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.)

5164713-5

PCB Mount Header, Vertical, Board-to-Board, 5 Position, 2.5 mm [.098 in] Centerline, Unshrouded, Tin, Through Hole - Solder, Power & Signal, Green



German