# 1-5164713-2 ✔ ACTIVE

MINI-MATCH

TE Internal #: 1-5164713-2

PCB Mount Header, Vertical, Board-to-Board, 12 Position, 2.5 mm [.098 in] Centerline, Unshrouded, Tin (Sn), Through Hole - Solder, Power & Signal

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

Connector System: **Board-to-Board**

Number of Positions: **12**

Centerline (Pitch): **2.5 mm [ .098 in ]**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Columns | 12 |
| Number of Positions | 12 |
| PCB Mount Orientation | Vertical |

### Body Features

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

### Contact Features

| | |
|---|---|
| Mating Tab Width | 2.79 mm[.11 in] |
| Contact Layout | Inline |
| Contact Base Material | Phosphor Bronze |
| Mating Tab Thickness | .5 mm[.02 in] |
| Contact Mating Area Plating Material | Tin (Sn) |

| | |
|---|---|
| Contact Type | Tab |
| Contact Current Rating (Max) | 7 A |
| Contact Mating Area Plating Material Thickness | 3.048 µm[120 µin] |

## Termination Features

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

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Width | 6.3 mm[.248 in] |
| Connector Height | 5.9 mm[.232 in] |
| Connector Length | 30 mm[1.181 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

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 1250 |

| | |
|---|---|
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 1-5164711-2
12pos.MINI-MATCH FBTB, 2.5mm pitch

## Customers Also Bought

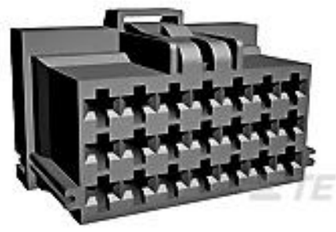
PCB Mount Header, Vertical, Board-to-Board, 12 Position, 2.5 mm [.098 in] Centerline, Unshrouded, Tin (Sn), Through Hole - Solder, Power & Signal



TE Part #7-188275-6
MICRO-MATCH SMD FTE



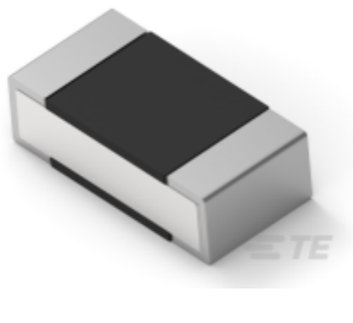
TE Part #8-968970-1
MCP2.8 GEH 6P



TE Part #8-968975-1
MCP2.8 GEH 21P



TE Part #1676979-7
TW 1W 2K5 6.35X25PL



TE Part #9-2176312-8
RP 1E 0.1W 127K 0.1% 25PPM 1K RL




TE Part #9-1393239-7
RT314018

## Documents

### Product Drawings

12P.MINI-MATCH ASSY

English

### CAD Files

Customer View Model

ENG_CVM_1-5164713-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1-5164713-2_A.3d_stp.zip

English

Customer View Model

ENG_CVM_1-5164713-2_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.)

German