# 5161800-3 ✔ ACTIVE

MINI-MATCH

TE Internal #: 5161800-3

PCB Mount Receptacle, Right Angle, Board-to-Board, 3 Position, 2.5 mm [.098 in] Centerline, Tin (Sn), Through Hole - Solder, Signal, Box

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **3**

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

PCB Mount Orientation: **Right Angle**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Stackable | No |
| Number of Positions | 3 |
| PCB Mount Orientation | Right Angle |

### Electrical Characteristics

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

### Contact Features

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 3.048 – 5.08 µm[120 – 200 µin] |
| Contact Layout | Inline |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 2.54 – 5.08 µm[120 – 200 µin] |

| | |
|---|---|
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Type | Socket |
| Contact Current Rating (Max) | 7 A |

## 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 |

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| | 2.54 – 5.08 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 | 5000 |
| 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 | 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 # 5161500-3
minimatch 3 pos male

## Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



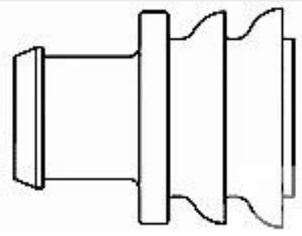
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

## Documents

### CAD Files

Customer View Model
ENG_CVM_5161800-3_A.3d_igs.zip

English

Customer View Model
ENG_CVM_5161800-3_A.3d_stp.zip

English

Customer View Model
ENG_CVM_5161800-3_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