# 5-5179009-8 ✔ ACTIVE

Free Height

TE Internal #: 5-5179009-8

PCB Mount Receptacle, Vertical, Board-to-Board, 160 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Signal, Natural, Free Height

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > Free Height Receptacle Conn: Board-Board, Vertical, 160, 0.8mm




PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **160**

Centerline (Pitch): **.8 mm [ .031 in ]**

All Free Height Receptacle Conn: Board-Board, Vertical, 160, 0.8mm (17)

## 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 | Yes |
| PCB Mount Orientation | Vertical |
| Number of Positions | 160 |
| Board-to-Board Configuration | Parallel |

### Electrical Characteristics

| | |
|---|---|
| Dielectric Withstanding Voltage (Max) | 500 VAC |
| Insulation Resistance | 2 MΩ |
| Operating Voltage | 100 VAC |

### Body Features

| | |
|---|---|
| Primary Product Color | Natural |

### Contact Features

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 2 µm[78.74 µin] |
| Contact Layout | Inline |
| Mating Tab Width | .4 mm[.016 in] |
| Mating Tab Thickness | .2 mm[.008 in] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Finish | Matte |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .2 µm[8 µin] |
| Contact Type | Socket |
| Contact Current Rating (Max) | .5 A |

## Termination Features

| | |
|---|---|
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Rectangular Termination Post & Tail Width | .3 mm[.012 in] |
| Termination Method to PCB | Surface Mount |

## Mechanical Attachment

| | |
|---|---|
| Mounting Alignment Feature Length | .5 mm[.02 in] |
| PCB Mount Alignment Type | Positioning Bosses |
| Mating Alignment | With |
| Mating Alignment Type | Polarization |
| PCB Mount Retention | Without |
| PCB Mount Alignment | With |
| Connector Mounting Type | Board Mount |

## Housing Features

| | |
|---|---|
| Mating Entry Location | Top |
| Centerline (Pitch) | .8 mm[.031 in] |
| Housing Material | Matte |

## Dimensions

| | |
|---|---|
| Connector Height | 9 mm[.354 in] |
| Stack Height | 9 mm, 10 mm, 11 mm, 12 mm[.354 in][.394 in][.433 in][.472 in] |

## Usage Conditions

| | |
|---|---|
| Housing Temperature Rating | High |
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |

### Operation/Application

| | |
|---|---|
| Assembly Process Feature | None |
| Circuit Application | Signal |

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| | .5 in |
| Packaging Quantity | 6 |
| Packaging Method | Box, Tube |

## 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°C |

Product Compliance Disclaimer

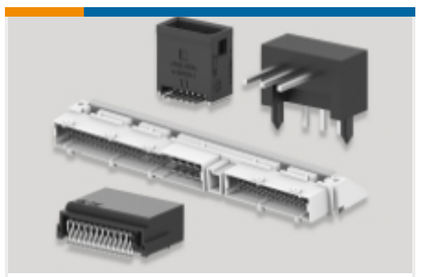
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



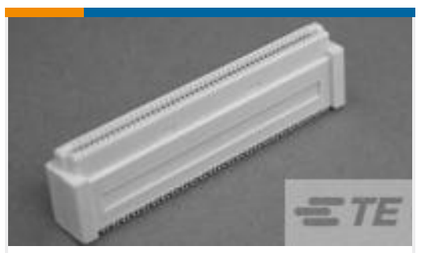
TE Part # CAT-313-PCB160
Plug Connector: Free Height, Board-Board, Vertical

## Also in the Series | Free Height



PCB Headers & Receptacles(752)

## Customers Also Bought



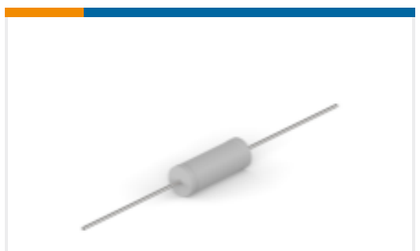
TE Part #5084616-8
0.8FH,R13H.5,160,08/Sn,TR,SC



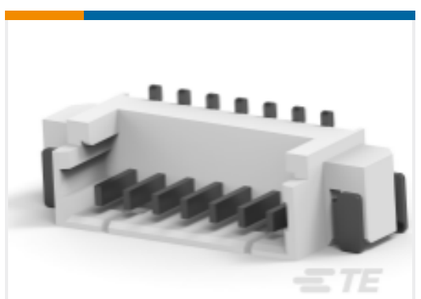
TE Part #1986717-2
HEADER, 2P, 3.5mm 12.5 H




TE Part #3-2176330-8
CRGP 2010 12K 1%



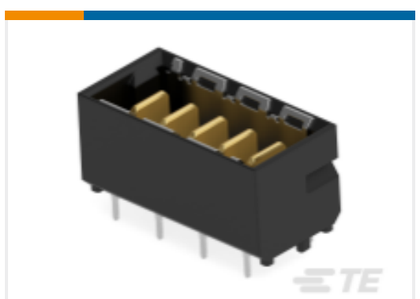
TE Part #6-2176412-0
5W XSM M/OX 5% 1K5



TE Part #1-1734261-0
AMP HPI 1.25 mm Headers



TE Part #2132415-8
EP2.5 Shrouded HDR ASSY 8P VERT w /o boss



TE Part #214917-E
MSPPM 5 M SMDTHR M2 * A V 137 094 * E008



TE Part #214919-E
MSPPM 5 M SMDTHR M10 * A V 137 094 * E00

## Documents

### Product Drawings

0.8FH,R09H.5,160,08/Sn,TU

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-5179009-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-5179009-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-5179009-8_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

### Fine Pitch Stacking Connectors - 0.8mm Free Height (FH) Connectors

English

## Product Specifications

### Product Specification

English

### Product Specification

English