# 292171-3 ✔ ACTIVE

AMP CT

TE Internal #: 292171-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin (Sn), Surface Mount, Power & Signal, AMP CT

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > CT Post Header Assembly: Part. Shrouded



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Centerline (Pitch): **2 mm [ .079 in ]**

All CT Post Header Assembly: Part. Shrouded (32)

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| PCB Mount Orientation | Vertical |
| Number of Positions | 3 |
| Number of Rows | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 125 VDC |

### Body Features

| | |
|---|---|
| Primary Product Color | Black |

### Contact Features

| | |
|---|---|
| Mating Pin Diameter | .6 mm[.024 in] |

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 1 – 2 µm[39.37 – 78.73 µin] |
| Contact Shape & Form | Round |
| Contact Layout | Inline, Staggered |
| Contact Mating Area Length | 4.5 mm[.177 in] |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 1 – 2 µm[39.37 – 78.73 µin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 4 A |
| PCB Contact Termination Area Plating Material | Tin |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Diameter | .6 mm[.024 in] |
| Termination Method to PCB | Surface Mount |

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature | With |
| Mating Alignment Type | Polarization |
| PCB Mount Retention Type | Boardlock |
| PCB Mount Alignment | With |
| Mating Retention | Without |
| PCB Mount Retention | With |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2 mm[.079 in] |
| Housing Material | PA GF30 |

## Dimensions

| | |
|---|---|
| Connector Width | 4 mm[.157 in] |
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |
| Connector Height | 7.8 mm[.307 in] |
| Connector Length | 8 mm[.314 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application | Power & Signal |

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | CSA, UL |
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 60 |
| 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 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 | Reflow solder capable to 245°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-AM7017-C7671
Common Termination Contacts — POWER TRIPLE LOCK



TE Part # CAT-AM7017-H8172
AMP COMMON TERMINATION HOUSINGS

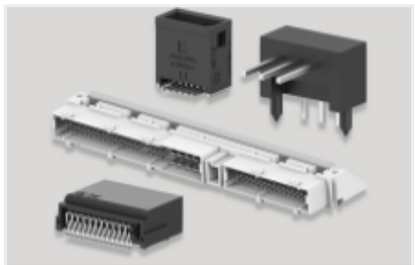
## Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(39)



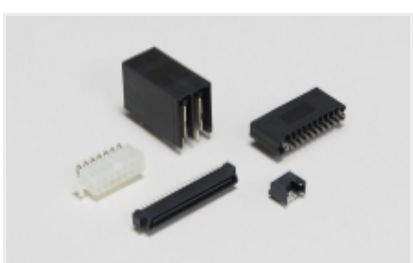
PCB Headers & Receptacles(739)



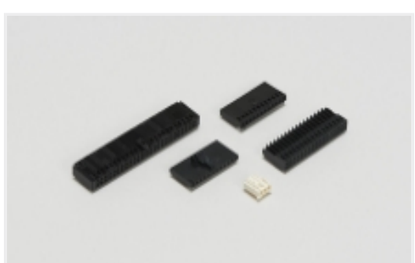
Rectangular Connector Housings(74)



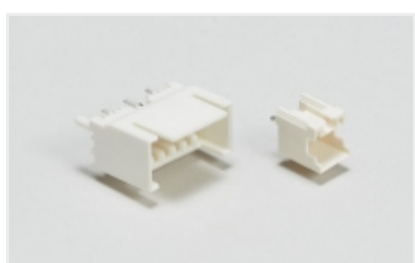
Rectangular Power Connectors(883)



Standard Rectangular Connectors(228)



Wire-to-Board Connector Assemblies & Housings(165)



Wire-to-Board Headers & Receptacles (739)

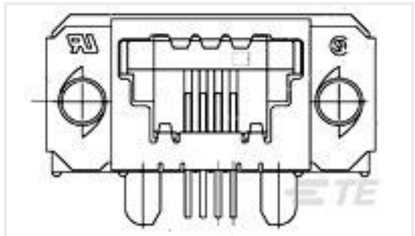
## Customers Also Bought



TE Part #3-644759-5
05P MTA156 HDR ASSY STR LF



TE Part #1571983-3
GDH02STR04=DIP SWITCH



TE Part #4-1761206-1
4 SDL SE RCPT ASSY PART SHELD



TE Part #1761465-1
PCI Express RA assy 5.8mm slot 2.3 mm pc



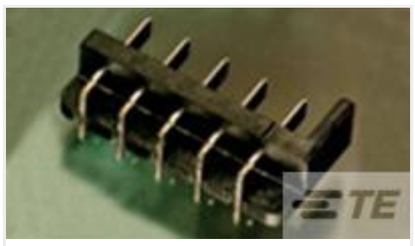
TE Part #1-2129458-1
DC Power Jack Conn DIP type 10.7A



TE Part #2331412-1
DET SW4.2X3.6X1.2 GW VERT(DW) NO AGAU RL



TE Part #2-5747708-0
25 RCPT SP/FMS BRDLK



TE Part #5787428-1
HDR ASY,RA,LKEY,STR TAIL,12.0V



TE Part #6339082-3
LED STK MJ ASSY,2X4,8 POS,CAT5

TE Part #114030-E
ERMC 55 FS 1 EED9 * 3,70 A-E V-V * TRAY

## Documents

### Product Drawings

CT POST HDR ASSY 3P IN-TUBE BL

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_292171-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_292171-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_292171-3_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

English

AMP COMMON TERMINATION (CT), CONNECTOR, 2mm PITCH, M/T TYPE, LEAD FREE VERSION

Japanese

Product Specification

Japanese

### Agency Approvals

## Agency Approval Document

English