# 2-292207-3 ✔ ACTIVE

AMP Mini CT

TE Internal #: 2-292207-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 1.5 mm [.059 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, AMP Mini CT

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Centerline (Pitch): **1.5 mm [ .059 in ]**

## Features

### Product Type Features

| | |
|---|---|
| PCB Connector Type | PCB Mount Header |
| Connector System | Wire-to-Board |
| Header Type | Fully 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 | 50 VDC |

### Body Features

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

### Contact Features

| | |
|---|---|
| Mating Square Post Dimension | .5 mm[.02 in] |
| PCB Contact Termination Area Plating Material Thickness | 1 – 2 µm[39.37 – 78.73 µin] |
| Contact Shape & Form | Square |

| | |
|---|---|
| Contact Layout | Staggered |
| Contact Mating Area Length | 2.4 mm[.095 in] |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 1 µm[39.37 µin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 2 A |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 3 mm[.118 in] |
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature | With |
| Mating Alignment Type | Polarization |
| PCB Mount Retention Type | Kinked Legs |
| PCB Mount Alignment | With |
| Mating Retention | With |
| PCB Mount Retention | With |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 1.5 mm[.059 in] |
| Housing Material | Nylon GF |

## Dimensions

| | |
|---|---|
| Connector Width | 4.7 mm[.185 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height | 8.4 mm[.33 in] |
| Connector Length | 7 mm[.276 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application | 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 | 2150 |
| Packaging Method | Box, Tray |

## 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 265°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 # 353293-3
MINI CT MT REC ASSY 3P GRAY

TE Part # 1903108-1
MINI CT CABLE ASSY 3P REC GOLD PLT.



TE Part # 353908-3
CT REC HSG 3P CRIMP TYPE WHITE

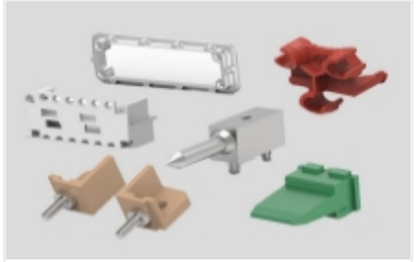


TE Part # CAT-AM7053-C7671
Mini Common Termination Contacts

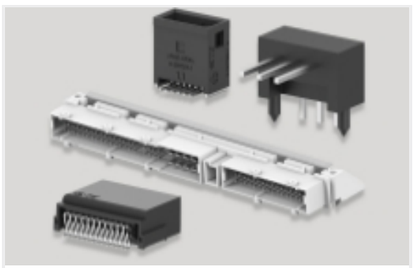
## Also in the Series | AMP Mini CT



Connector Contacts(4)



Connector Hardware(10)



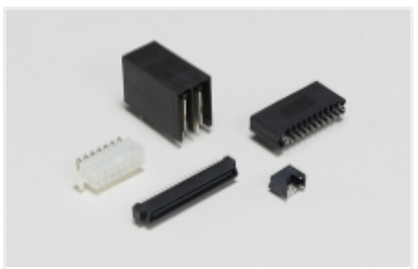
PCB Headers & Receptacles(332)



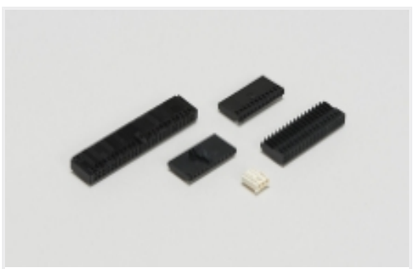
Rectangular Connector Housings(38)



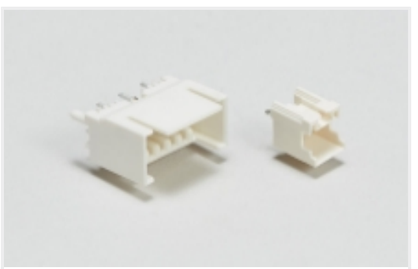
Rectangular Power Connectors(76)



Standard Rectangular Connectors(172)



Wire-to-Board Connector Assemblies & Housings(114)



Wire-to-Board Headers & Receptacles (332)

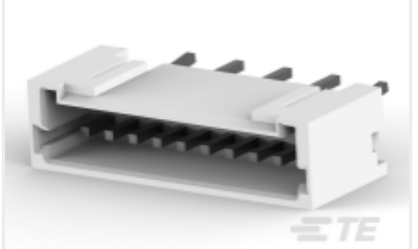
## Customers Also Bought



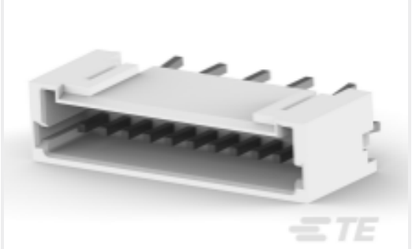
TE Part #1-292206-6
MINI CT SGL DIP H 16P NAT



TE Part #3-292206-2
MINI CT SGL DIP H 12P BLACK



TE Part #3-292207-0
MINI CT SGL DIP V 10P BLACK



TE Part #3-292207-1
MINI CT SGL DIP V 11P BLACK



TE Part #3-292207-2
MINI CT SGL DIP V 12P BLACK



TE Part #3-292207-6
MINI CT SGL DIP V 16P BLACK



TE Part #292230-5
1.5 MINI CT SGL V SMT W/BOSS 5

TE Part #8-292131-3
SGL HDR ASSY BOX DIP V POLARIS

TE Part #8-292131-4
SGL HDR ASSY BOX DIP V POLARIS

TE Part #8-292131-7
SGL HDR ASSY BOX DIP V POLARIS

# Documents

## CAD Files

### 3D PDF

3D

### Customer View Model

ENG_CVM_CVM_2-292207-3_G.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_2-292207-3_G.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_2-292207-3_G.3d_stp.zip

English

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

## Product Specifications

### Application Specification

English

## Agency Approvals

### UL

English