

292173-3 ✓ ACTIVE



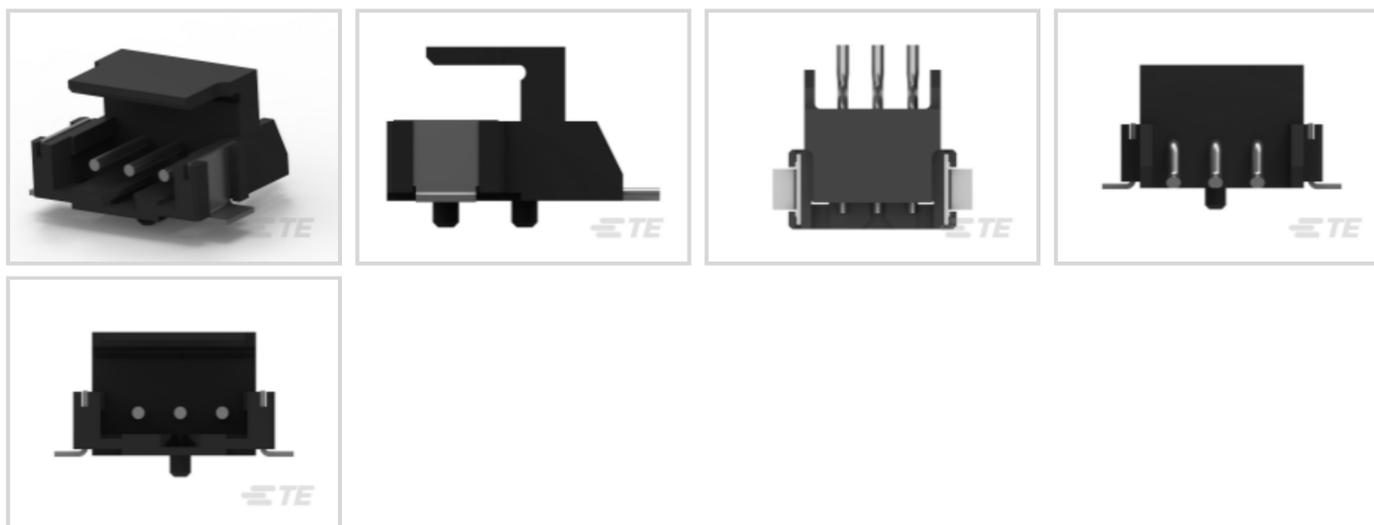
AMP CT

TE Internal #: 292173-3

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

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > AMP COMMON TERMINATION HEADERS



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

Number of Positions: **3**

Number of Rows: **1**

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

PCB Mount Orientation: **Right Angle**

[All AMP COMMON TERMINATION HEADERS \(35\)](#)

Features

Product Type Features

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

Configuration Features

| | |
|-----------------------|-------------|
| Number of Positions | 3 |
| Number of Rows | 1 |
| PCB Mount Orientation | Right Angle |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 125 VAC |
|-------------------|---------|

Body Features



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

Contact Features

| | |
|---|---------------------------------------|
| Contact Layout | Inline |
| Contact Mating Area Length | 4.2 mm[.165 in] |
| PCB Contact Termination Area Plating Material Thickness | 1 – 2 μ m[39.37 – 78.73 μ in] |
| Mating Pin Diameter | .6 mm[.024 in] |
| Contact Mating Area Plating Material Thickness | 1 – 2 μ m[39.37 – 78.73 μ in] |
| Contact Shape & Form | Round |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Pin |
| Contact Current Rating (Max) | 4 A |

Termination Features

| | |
|---|----------------|
| Round Termination Post & Tail Diameter | .6 mm[.024 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

Mechanical Attachment

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

Housing Features

| | |
|--------------------|---------------|
| Housing Material | 6T PA(GF) |
| Centerline (Pitch) | 2 mm[.079 in] |

Dimensions

| | |
|------------------|-----------------|
| Connector Length | 7.8 mm[.307 in] |
| Connector Height | 5.8 mm[.228 in] |
| Connector Width | 9 mm[.354 in] |



PCB Thickness (Recommended) .8 mm[.031 – .063 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

Agency/Standard CSA, UL

Approved Standards CSA LR7189, UL E28476

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Quantity 500

Packaging Type Box, Tape

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 2022 (224)
Candidate List Declared Against: JUNE 2022 (224)
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 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
AMP COMMON TERMINATION
CONTACTS



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

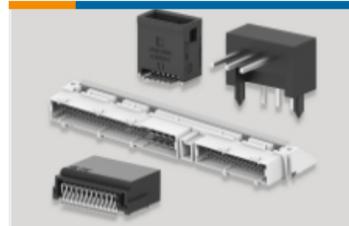


TE Part # 1-353293-3
MINI CT MT REC ASSY 13P GRAY

Also in the Series | AMP CT



PCB Connector Mounting(46)



PCB Headers & Receptacles(756)



Wire-to-Board Connector Assemblies
& Housings(256)



Wire-to-Board Connector Contacts(8)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_292173-3_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_292173-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_292173-3_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[2.0MM_AMP_CT_CONNECTOR_SERIES_QUICK_REF_GUIDE](#)

English

Product Specifications

[Product Specification](#)



English

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

Japanese

[Product Specification](#)

Japanese

Product Environmental Compliance

[MD_292173-3_0119201745_dmtec](#)

English

[MD_292173-3_0119201745_dmtec](#)

English

Agency Approvals

[CSA Certificate](#)

English