

292173-7 ✓ ACTIVE



## AMP CT

TE Internal #: 292173-7

PCB Mount Header, Right Angle, Wire-to-Board, 7 Position, 2 mm [.078 in] Centerline, Partially Shrouded, Tin, Surface Mount, Power & Signal, AMP CT

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



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

Number of Positions: **7**

Number of Rows: **1**

Centerline (Pitch): **2 mm [.078 in]**

PCB Mount Orientation: **Right Angle**

[All AMP COMMON TERMINATION HEADERS \(33\)](#)

## 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   | 7           |
| Number of Rows        | 1           |
| PCB Mount Orientation | Right Angle |

### Electrical Characteristics

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

### Body Features



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

### Contact Features

|   |   |
|---|---|
| Contact Mating Area Length                              | 4.2 mm[.165 in]                                     |
| PCB Contact Termination Area Plating Material Thickness | 1 – 2 $\mu\text{m}$ [39.37 – 78.73 $\mu\text{in}$ ] |
| Contact Layout  | Inline  |
| Mating Pin Diameter                                     | .6 mm[.024 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[.078 in] |

### Dimensions

|                             |                       |
|-----------------------------|-----------------------|
| Connector Length            | 15.8 mm[.622 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 2023 (235)<br>Candidate List Declared Against: JAN 2022 (223)<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 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

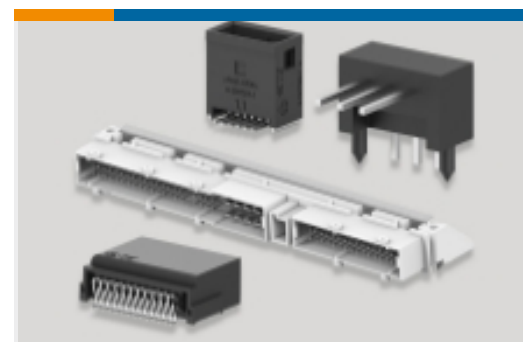


TE Part # 1-353293-3  
MINI CT MT REC ASSY 13P GRAY

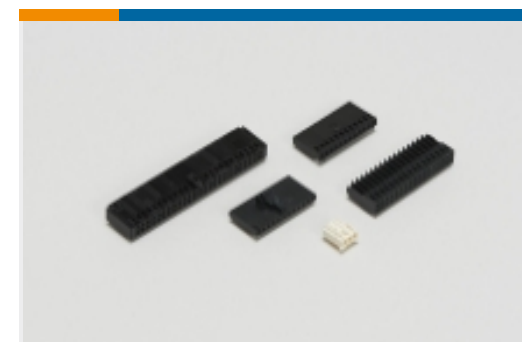
## Also in the Series | AMP CT



PCB Connector Mounting(46)



PCB Headers & Receptacles(756)



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



Wire-to-Board Connector Contacts(8)

## Customers Also Bought



TE Part #292173-5  
CT BOX HDR H SMT 5P O/TAPE BLA



TE Part #6-173977-4  
CT MT REC ASSY 4P BLACK



TE Part #8-1676966-3  
SMW2 180R 1%



TE Part #6-1879061-2  
CPF 0402 3K3 0.1% 25PPM 5K RL



TE Part #1877285-8  
08P EP SHRD HDR ASMY, WHITE



TE Part #5-146128-4  
06 MODII HDR SR SFMNT B/A .100



TE Part #1977104-4  
STV08=8 POS SIP SWITCH



TE Part #A81191-000  
T1K-191064-10-9



## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_292173-7\\_B.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_292173-7\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_292173-7\\_B.3d\\_stp.zip](#)

English

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

### Product Specifications

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

Japanese

#### Product Specification

Japanese

### Product Environmental Compliance

#### TE Material Declaration

English

### Agency Approvals

#### CSA Certificate

English