

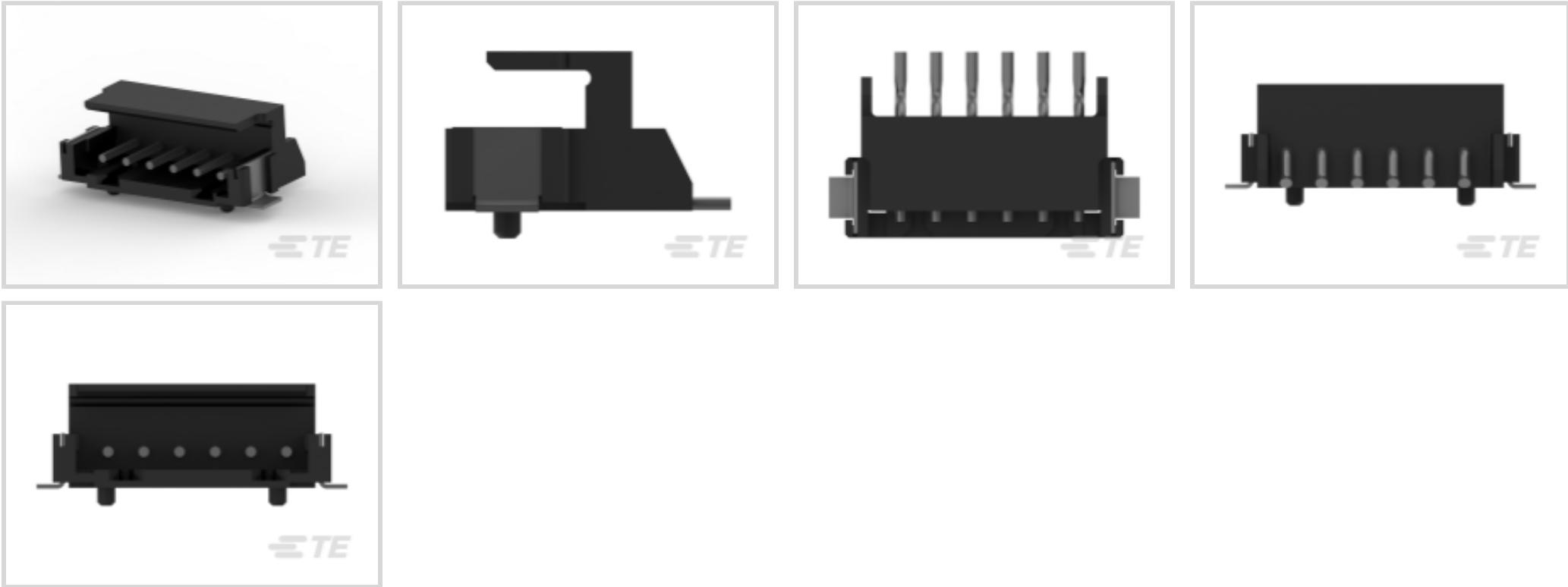


AMP CT

TE Internal #: 292173-6  
PCB Mount Header, Right Angle, Wire-to-Board, 6 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



PCB Connector Assembly Type: **PCB Mount Header**  
PCB Mount Orientation: **Right Angle**  
Connector System: **Wire-to-Board**  
Number of Positions: **6**  
Number of Rows: **1**

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

Features

Electrical Characteristics

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

Dimensions

|                             |                       |
|-----------------------------|-----------------------|
| Connector Width             | 9 mm[.354 in]         |
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |
| Connector Height            | 5.8 mm[.228 in]       |
| Connector Length            | 13.8 mm[.543 in]      |

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 500       |
| Packaging Method   | Box, Tape |

Industry Standards

|   |                       |
|---|-----------------------|
| Compatible With Agency/Standards Products   | UL, CSA               |
| Compatible With Approved Standards Products | UL E28476, CSA LR7189 |



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

Operation/Application

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

Mechanical Attachment

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

Termination Features

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

Contact Features

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

Housing Features

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

Product Type Features

|  |  |
|--|--|
|  |  |
|--|--|



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

Configuration Features

|                       |             |
|-----------------------|-------------|
| PCB Mount Orientation | Right Angle |
| Number of Positions   | 6           |
| Number of Rows        | 1           |

Body Features

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

Usage Conditions

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

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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 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 # 2405869-6  
CT 6P 300MM CABLE ASSEMBLY 2-179228-6



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




TE Part # CAT-AM7017-C7671  
Common Termination Contacts — POWER TRIPLE LOCK

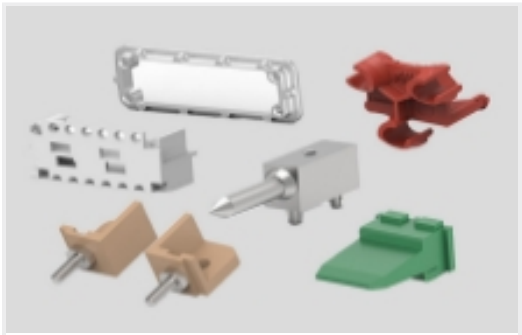


TE Part # 1-353293-3  
MINI CT MT REC ASSY 13P GRAY

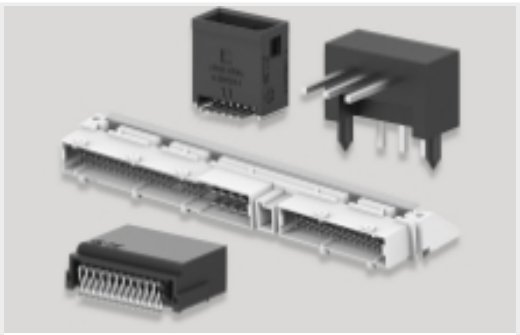
Also in the Series | AMP CT




Connector Contacts(8)



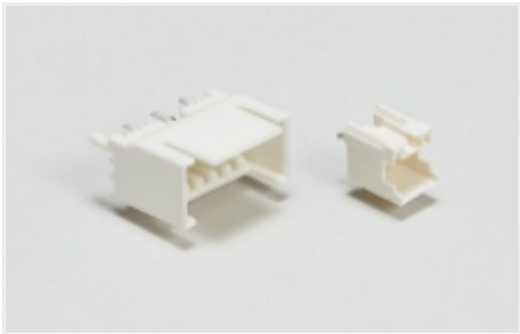
Connector Hardware(46)



PCB Headers & Receptacles(756)



Wire-to-Board Connector Assemblies & Housings(255)



Wire-to-Board Headers & Receptacles (756)

Customers Also Bought



TE Part #292174-4  
CT BOX HDR V SMT 4P O/TAPE NAT

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

TE Part #1-292132-5  
CT P/HDR BOX V 15P NAT

TE Part #215297-7  
7P HV100 REC CON. TE, 7.0MM

TE Part #1241050-3  
2x3P MOD II BREAK AWAY HDR,SMD,  
BLISTER

TE Part #1742198-1  
250 FASTON,REC.,18-14 AWG,NPST

TE Part #213849-1  
CPC PLUG ASSEMBLY SIZE 17-16

TE Part #1-966140-3  
TAB HEADER 2.8 X 0.8MM 6-21 POS

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

TE Part #8-292131-2  
SGL HDR ASSY BOX DIP V POLARIS

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_292173-6\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_292173-6\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_292173-6\_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



Agency Approvals

CSA Certificate

English

CSA Certificate

English