

292174-4 ✓ ACTIVE

AMP CT

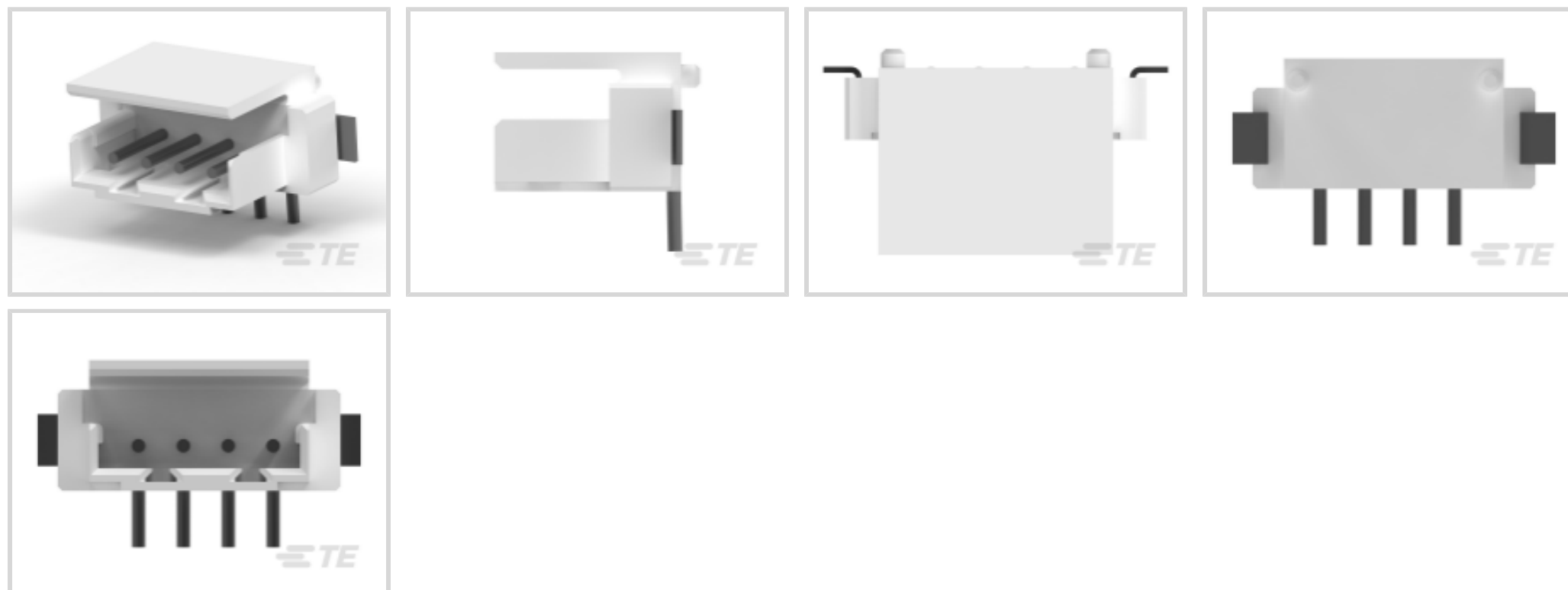
TE Internal #: 292174-4

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin, Surface Mount, Power & Signal, AMP CT

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Connectors > PCB Connectors > PCB Headers & Receptacles > CT Box Header SMT: Vert, Shrouded



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

Number of Positions: **4**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

[All CT Box Header SMT: Vert, Shrouded \(34\)](#)

### 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   | 4        |
| Number of Rows        | 1        |
| PCB Mount Orientation | Vertical |

#### Electrical Characteristics

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

#### Body Features



|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

### Contact Features

|   |   |
|---|---|
| Contact Mating Area Length                              | 4.5 mm[.177 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 Mating Area Plating Material Thickness          | 1 – 2 $\mu\text{m}$ [39.37 – 78.73 $\mu\text{in}$ ] |
| 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 | Boardlock    |
| 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 | 10 mm[.393 in]  |
| Connector Height | 7.8 mm[.307 in] |
| Connector Width  | 5.8 mm[.228 in] |



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

### Usage Conditions

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

### Operation/Application

Assembly Process Feature Pick and Place Cover

Circuit Application Power & Signal

### Industry Standards

UL Flammability Rating UL 94V-0

### Packaging Features

Packaging Quantity 700

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)  
 Candidate List Declared Against: JUNE 2023 (235)  
 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

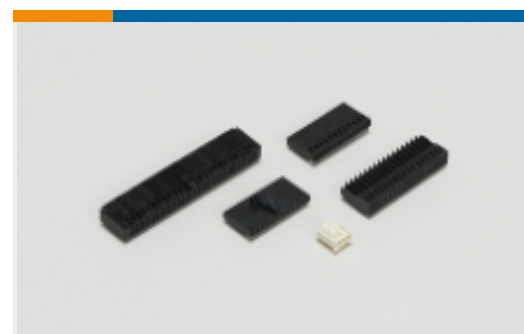
## Also in the Series | AMP CT




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 #3-1622820-2  
3520 2K7 5%



TE Part #1-292230-5  
1.5 MINI CT SGL V SMT W/BOSS 1



TE Part #66255-5  
TYPE XII CONT ASY MALE



TE Part #4-175638-0  
1.25FP,R10,DL,B,N,TR



TE Part #4-1623931-0  
CFR25 5% 4M7



TE Part #DT13-6P  
HDR, 6P, GRY, RA, NI/CU



TE Part #640385-4  
04P MTA156 HDR ASSY SQ R/A



TE Part #224515-E  
MSPEED 50 F SMDTHR F8 \* AB W  
137 094 \*



## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_292174-4\\_O1.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_292174-4\\_O1.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_292174-4\\_O1.3d\\_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

[MD\\_292174-4\\_1109201719\\_dmtec](#)

English

[MD\\_292174-4\\_1109201719\\_dmtec](#)

English