

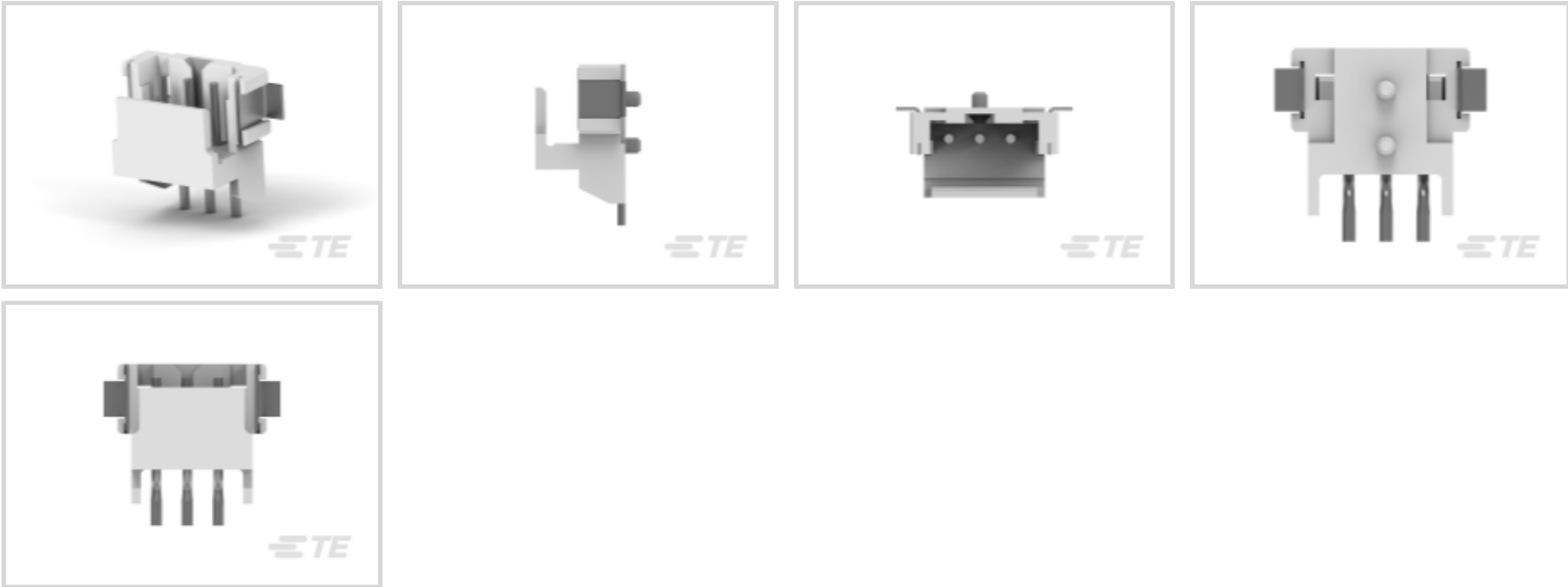


AMP CT

TE Internal #: 1-292173-3  
PCB Mount Header, Right Angle, Wire-to-Board, 3 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin, Surface Mount, Power & Signal, AMP CT

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



PCB Connector Assembly Type: **PCB Mount Header**  
Connector System: **Wire-to-Board**  
Number of Positions: **3**  
Number of Rows: **1**  
Centerline (Pitch): **2 mm [ .079 in ]**

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

Features

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

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

Electrical Characteristics

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

Body Features

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



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

Contact Features

|                                                         |                             |
|---------------------------------------------------------|-----------------------------|
| Contact Mating Area Length                              | 4.2 mm[.165 in]             |
| PCB Contact Termination Area Plating Material Thickness | 1 – 2 µm[39.37 – 78.73 µin] |
| Contact Layout                                          | Inline                      |
| Mating Pin Diameter                                     | .6 mm[.024 in]              |
| Contact Shape & Form                                    | Round                       |
| Contact Mating Area Plating Material Finish             | Bright                      |
| 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

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

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

500

Packaging Method

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 2024 (241)  
Candidate List Declared Against: JUNE 2024 (241)  
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

Connector Contacts(8)

Connector Hardware(46)

PCB Headers & Receptacles(756)

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

Customers Also Bought

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

TE Part #292132-2  
CT P/HDR BOX V 2P NAT

TE Part #6-173977-2  
AMP COMMON TERMINATION  
HOUSINGS

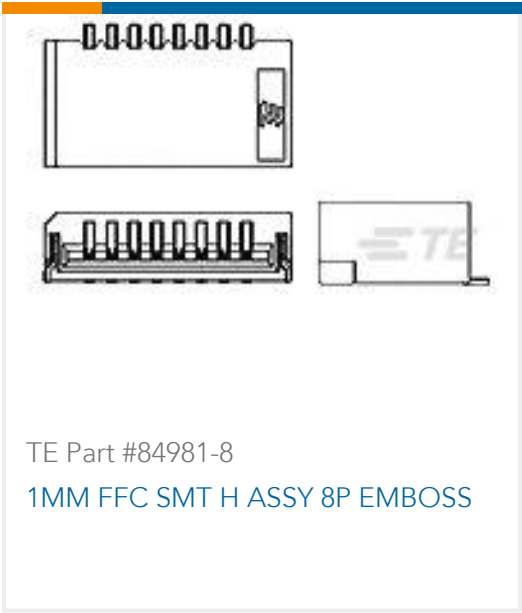
TE Part #1-292173-2  
CT BOX HDR H SMT 2P O/TAPE NAT

TE Part #292174-2  
CT BOX HDR V SMT 2P O/TAPE NAT

TE Part #292227-3  
1.5 MINI CT SGL H SMT W BOSS 3

TE Part #353293-4  
MINI CT MT REC ASSY 4P GRAY

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



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-292173-3\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-292173-3\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-292173-3\_B.3d\_stp.zip

English

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

Product Specifications

Product Specification

English

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

Japanese

Product Specification

Japanese

Agency Approvals

CSA Certificate

English