



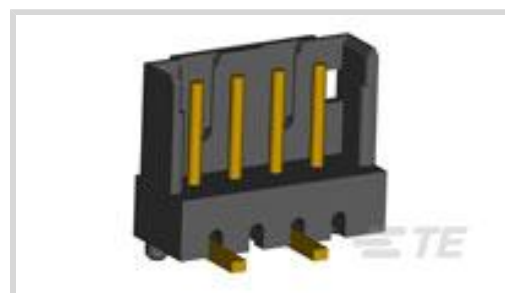
AMP CT

TE Internal #: 292171-8

PCB Mount Header, Vertical, Wire-to-Board, 8 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 > CT Post Header Assembly: Part. Shrouded



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **1**

[All CT Post Header Assembly: Part. Shrouded \(32\)](#)

Features

Electrical Characteristics

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

Dimensions

| | |
|-----------------------------|-----------------------|
| Connector Width | 4 mm[.157 in] |
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |
| Connector Height | 7.8 mm[.307 in] |
| Connector Length | 18 mm[.709 in] |

Packaging Features

| | |
|--------------------|-----------|
| Packaging Quantity | 25 |
| Packaging Method | Tube, Box |

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 | Boardlock |
| 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 μ m[39.37 – 78.73 μ in] |
| PCB Contact Termination Area Plating Material Thickness | 1 – 2 μ m[39.37 – 78.73 μ in] |
| Contact Shape & Form | Round |
| Contact Layout | Inline, Staggered |
| Contact Mating Area Length | 4.5 mm[.177 in] |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Pin |
| Contact Current Rating (Max) | 4 A |

Housing Features

| | |
|--------------------|---------------|
| Housing Material | PA GF30 |
| 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 | Vertical |
| Number of Positions | 8 |
| 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) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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

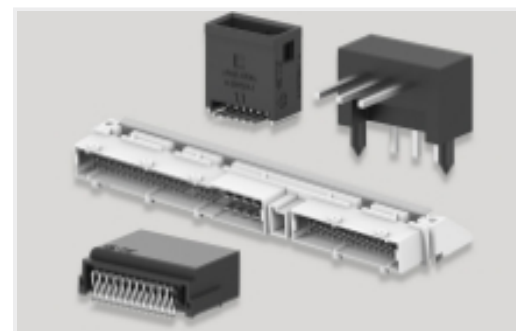
Also in the Series | AMP CT



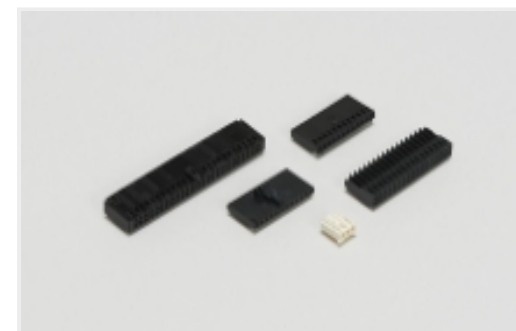
Connector Contacts(8)



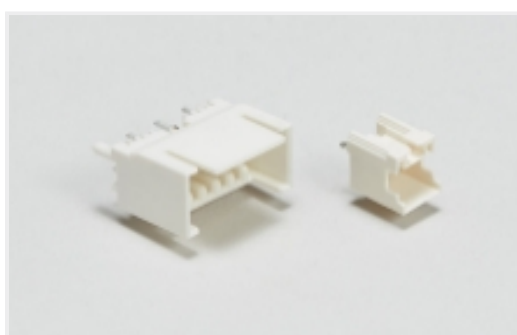
Connector Hardware(46)



PCB Headers & Receptacles(756)



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



Wire-to-Board Headers & Receptacles
(756)

Customers Also Bought



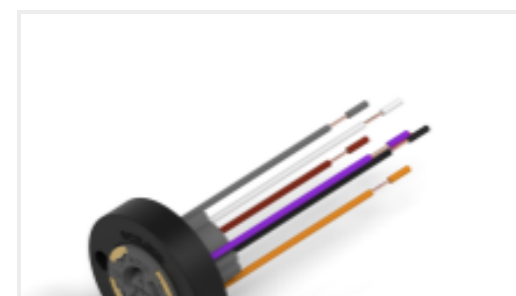
TE Part #794536-1
06P UMNL CAP HSG 150C BLK



TE Part #61764-1
RING CRIMP 20-16 AWG BR



TE Part #8-1609095-8
HFB3=F8360



TE Part #3-2213627-2
ASSEMBLY, ROT DIM REC 49.22MM 7
POS 150C



Documents

Product Drawings

[CT POST HDR ASSY 8P IN-TUBE BL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_292171-8_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_292171-8_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_292171-8_A.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