

292175-9 ✓ ACTIVE

AMP CT

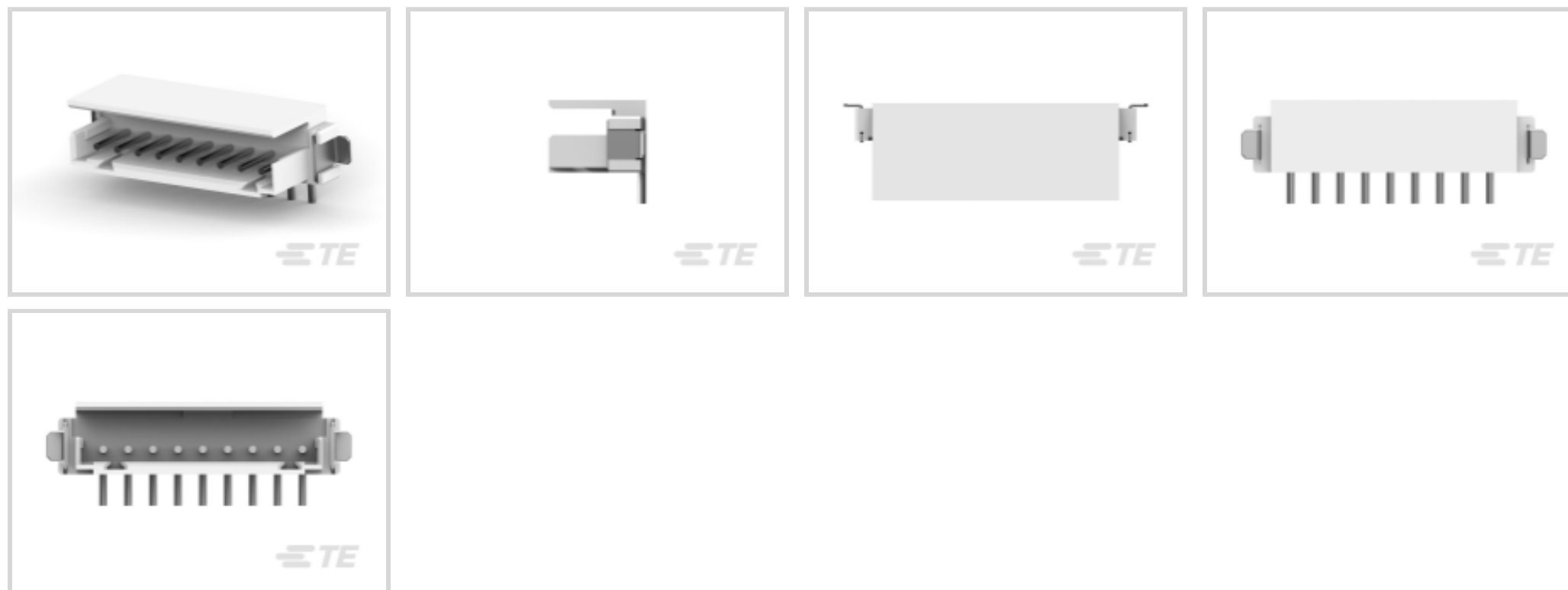
TE Internal #: 292175-9

PCB Mount Header, Vertical, Wire-to-Board, 9 Position, 2 mm [.078 in] Centerline, Partially Shrouded, Tin, Surface Mount, Power & Signal, AMP CT

[View on TE.com >](#)



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



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **9**

Number of Rows: **1**

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

Features

Electrical Characteristics

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

Dimensions

| | |
|-----------------------------|-----------------------|
| Connector Width | 5.8 mm[.228 in] |
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |
| Connector Height | 7.8 mm[.307 in] |
| Connector Length | 19.8 mm[.78 in] |

Packaging Features

| | |
|--------------------|-----------|
| Packaging Quantity | 700 |
| 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 | Without |
| 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] |
| 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 | 4.5 mm [.177 in] |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Finish | Bright |
| 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 [.078 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 | 9 |
| Number of Rows | 1 |

Body Features

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

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

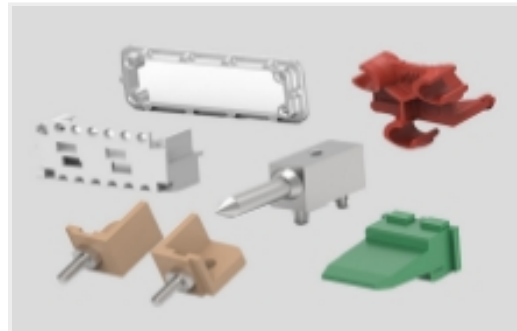


TE Part # CAT-AM7017-H8172
AMP COMMON TERMINATION
HOUSINGS

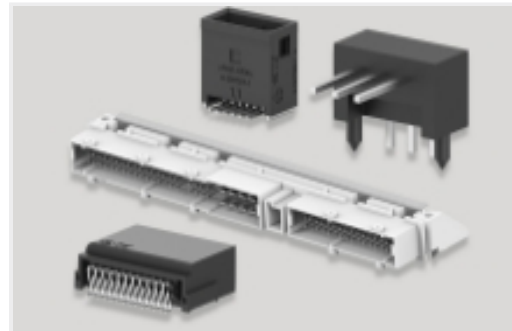
Also in the Series | AMP CT



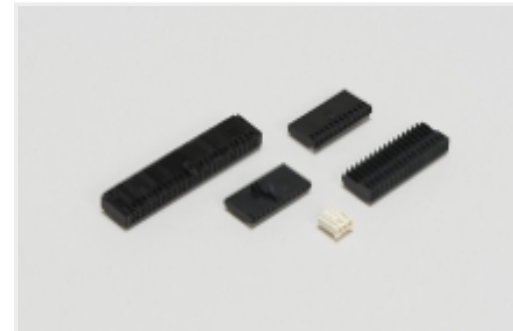
Connector Contacts(8)



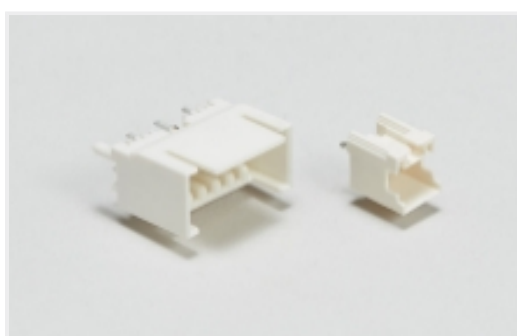
Connector Hardware(46)



PCB Headers & Receptacles(756)



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

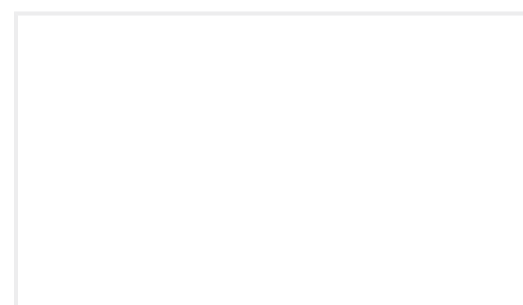


Wire-to-Board Headers & Receptacles
(756)

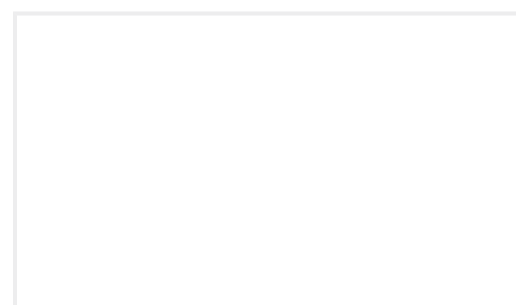
Customers Also Bought



TE Part #292230-9
1.5 MINI CT SGL V SMT W/BOSS 9



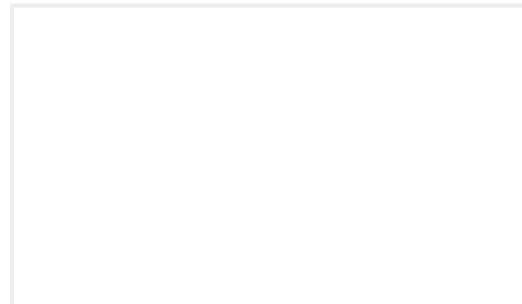
TE Part #1-2308397-8
1.5 MINI CT SGL V SMT W/BOSS 18



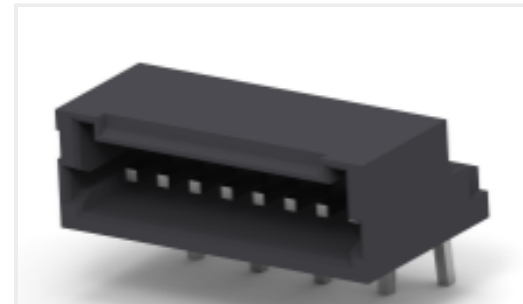
TE Part #1-2308397-6
1.5 MINI CT SGL V SMT W/BOSS 16



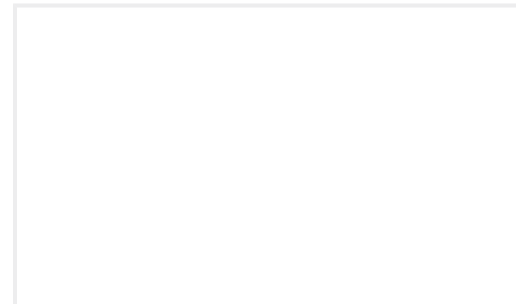
TE Part #292231-6
1.5 MINI CT SGL V SMT W/O BOSS



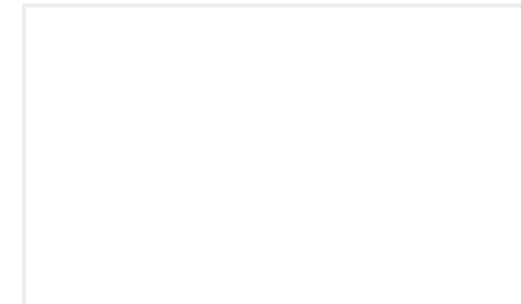
TE Part #1-2308397-5
1.5 MINI CT SGL V SMT W/BOSS 15



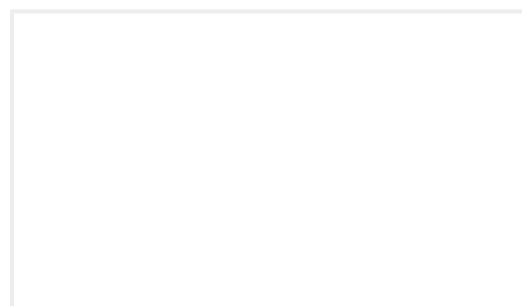
TE Part #2-292206-8
MINI CT SGL DIP H 8P BLACK



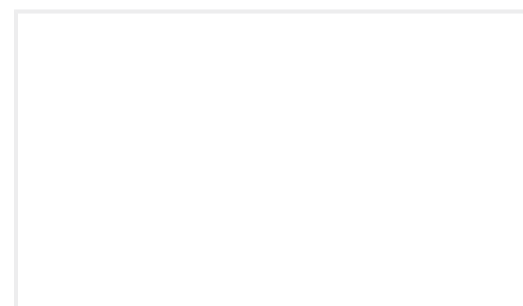
TE Part #1-2308397-3
1.5 MINI CT SGL V SMT W/BOSS 13



TE Part #1-2308397-9
1.5 MINI CT SGL V SMT W/BOSS 19



TE Part #2-2308397-0
1.5 MINI CT SGL V SMT W/BOSS 20



TE Part #8-292131-9
SGL HDR ASSY BOX DIP V POLARIS

Documents

Product Drawings

[CT BOX HDR V SMT 9P O/TAPE NAT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_292175-9_A1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_292175-9_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_292175-9_A1.3d_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