

AMP Mini CT

TE Internal #: 1-292231-6

PCB Mount Header, Vertical, Wire-to-Board, 16 Position, 1.5 mm [.059 in] Centerline, Fully Shrouded, Tin (Sn), Surface Mount, Signal, AMP Mini CT

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **16**

Centerline (Pitch): **1.5 mm [.059 in]**

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions   | 16       |
| Number of Rows        | 1        |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 50 VDC |
|-------------------|--------|

Body Features

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

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Mating Square Post Dimension                            | .5 mm[.02 in]   |
| PCB Contact Termination Area Plating Material Thickness | 1 μm[39.37 μin] |
| Contact Shape & Form                                    | Square          |



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Layout                                 | Staggered       |
| Contact Mating Area Length                     | 2.4 mm[.095 in] |
| Contact Base Material                          | Brass           |
| PCB Contact Termination Area Plating Material  | Tin             |
| Contact Mating Area Plating Material           | Tin (Sn)        |
| Contact Mating Area Plating Material Finish    | Matte           |
| Contact Mating Area Plating Material Thickness | 1 µm[39.37 µin] |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 2 A             |

Termination Features

|                                          |               |
|------------------------------------------|---------------|
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Method to PCB                | Surface Mount |

Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Alignment Type   | Polarization |
| PCB Mount Alignment     | Without      |
| Mating Retention        | With         |
| PCB Mount Retention     | Without      |
| Connector Mounting Type | Board Mount  |
| Mating Alignment        | With         |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 1.5 mm[.059 in] |
| Housing Material   | Nylon           |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Width             | 4.7 mm[.185 in]   |
| PCB Thickness (Recommended) | .8 mm[.031 in]    |
| Connector Height            | 6.9 mm[.272 in]   |
| Connector Length            | 26.5 mm[1.043 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                          |                      |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application      | 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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                                                                                                  |

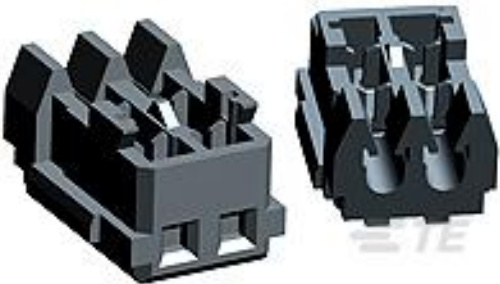
Product Compliance Disclaimer

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 # 1-353908-6  
CT REC HSG 16P CRIMP TYPE WHIT



TE Part # 6-353293-6  
MINI CT MT REC ASSY 16P BLUR



TE Part # 1-353293-6  
MINI CT MT REC ASSY 16P GRAY



TE Part # 7-353908-6  
CT REC HSG 16P CRIMP TYPE BLU



TE Part # 353918-1  
CT 1.5MM REC CONT CRIMP TYPE

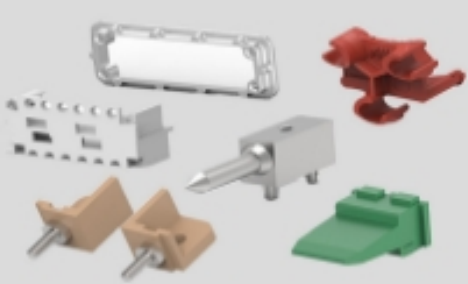


TE Part # 353907-1  
CT 1.5MM REC CONT CRIMP TYPE

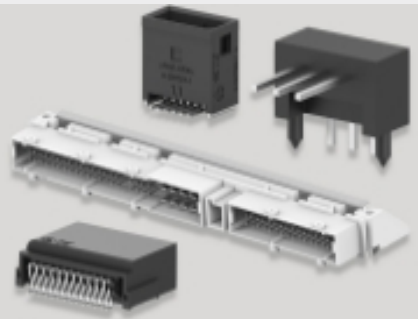
Also in the Series | AMP Mini CT



Connector Contacts(4)



Connector Hardware(10)



PCB Headers & Receptacles(332)



Rectangular Connector Housings(38)



Rectangular Power Connectors(76)



Standard Rectangular Connectors(172)



Wire-to-Board Connector Assemblies & Housings(114)



Wire-to-Board Headers & Receptacles (332)

Customers Also Bought



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #CAT-D48-ST273  
DEUTSCH Connector Solid Contacts



Documents

Product Drawings

1.5 MINI CT SGL V SMT W/O BOSS

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-292231-6\_D1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-292231-6\_D1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-292231-6\_D1.3d\_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL

English