

AMP Mini CT

TE Internal #: 1-292230-7  
AMP Mini CT, PCB Mount Header, Vertical, Wire-to-Board, 17  
Position, 1.5mm [.059in] Centerline, 1 Row, Pre-Tin, Natural  
Housing Color, Fully Shrouded

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles > MINI COMMON TERMINATION HEADERS



PCB Connector Assembly Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Wire-to-Board**  
Number of Positions: **17**  
Centerline (Pitch): **1.5 mm [ .059 in ]**

[All MINI COMMON TERMINATION HEADERS \(341\)](#)

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions   | 17       |
| Number of Rows        | 1        |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 50 VAC |
|-------------------|--------|

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Contact Layout                                          | Staggered       |
| Contact Mating Area Length                              | 2.4 mm[.095 in] |
| Mating Square Post Dimension                            | .5 mm[.02 in]   |
| Contact Retention Within Housing                        | Without         |
| PCB Contact Termination Area Plating Material Thickness | 1 μm[39.37 μin] |



|                                               |         |
|-----------------------------------------------|---------|
| Contact Shape & Form                          | Square  |
| PCB Contact Termination Area Plating Material | Tin     |
| Contact Base Material                         | Brass   |
| Contact Mating Area Plating Material          | Pre-Tin |
| Contact Type                                  | Pin     |
| Contact Current Rating (Max)                  | 2 A     |

Termination Features

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

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Alignment Type | Locating Posts |
| Mating Alignment Type    | Polarization   |
| Mating Alignment         | With           |
| PCB Mount Retention Type | Boardlock      |
| PCB Mount Alignment      | With           |
| Mating Retention         | With           |
| PCB Mount Retention      | With           |
| Connector Mounting Type  | Board Mount    |

Housing Features

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

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Connector Length            | 28 mm[1.102 in] |
| Connector Height            | 6.9 mm[.272 in] |
| Connector Width             | 4.7 mm[.185 in] |
| PCB Thickness (Recommended) | .8 mm[.031 in]  |
| Wire Size                   | 28 – 24 AWG     |

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

|                        |             |
|------------------------|-------------|
| UL Flammability Rating | UL 94V-0    |
| Agency/Standard        | UL          |
| Agency/Standard Number | CSA, UL     |
| CSA File Number        | LR 7189-133 |
| UL File Number         | E28476      |

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 500       |
| Packaging Method   | Tape, Box |

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: JAN 2021 (211)<br>Candidate List Declared Against: JUN 2018 (191)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.



Compatible Parts



TE Part # CAT-AM7053-H8172  
Mini Common Termination (CT)  
Housings



TE Part # 1-353293-7  
MINI CT MT REC ASSY 17P GRAY



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



TE Part # CAT-AM7053-C7671  
MINI COMMON TERMINATION  
CONTACTS



TE Part # 6-353293-7  
MINI CT MT REC ASSY 17P BLUR

Also in the Series | AMP Mini CT



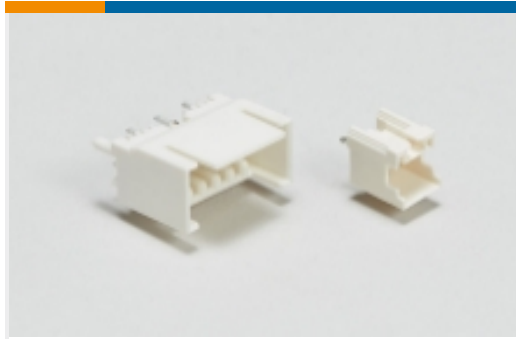
PCB Connector Mounting(10)



Wire-to-Board Connector Assemblies  
& Housings(172)



Wire-to-Board Connector Contacts(4)



Wire-to-Board Headers & Receptacles  
(332)

Customers Also Bought



TE Part #1-292230-3  
MINI COMMON TERMINATION  
HEADERS



TE Part #1-2132781-1  
11P EP-II HOUSING, NATURAL



TE Part #1623776-6  
MPC5 1R0 5%



TE Part #1-1734829-1  
AMP HPI 1.25MM HEADERS

1-292230-7

AMP Mini CT, PCB Mount Header, Vertical, Wire-to-Board, 17 Position, 1.5mm [.059in] Centerline, 1 Row, Pre-Tin, Natural Housing Color, Fully Shrouded

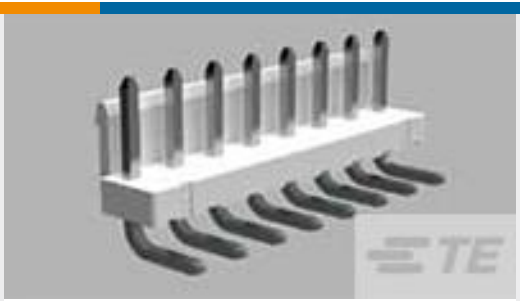




TE Part #171632-1  
[Econoseal Receptacles and Tabs](#)



TE Part #1-1903330-3  
[DYNAMIC 4000 REC AND TAB HSG](#)



TE Part #1-647676-1  
[3.96 EP HDR ASSY 11P R/A](#)



TE Part #1-1744418-6  
[16 POS EP 2.5 HDR, GLOW WIRE](#)

Documents

Product Drawings

[1.5 MINI CT SGL V SMT W/BOSS 1](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-292230-7\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-292230-7\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-292230-7\\_A.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[6-1773454-5\\_AMP\\_Mini\\_CT\\_Connector\\_Series\\_QRG](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English