

AMP Mini CT

TE Internal #: 1-292206-3

PCB Mount Header, Right Angle, Wire-to-Board, 13 Position, 1.5 mm [.059 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, AMP Mini CT

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



Connector System: **Wire-to-Board**  
Number of Positions: **13**  
Number of Rows: **1**  
Centerline (Pitch): **1.5 mm [.059 in]**  
PCB Mount Orientation: **Right Angle**

[All MINI COMMON TERMINATION HEADERS \(39\)](#)

Features

Product Type Features

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

Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 13          |
| Number of Rows        | 1           |
| PCB Mount Orientation | Right Angle |

Electrical Characteristics

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

Body Features

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



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

Contact Features

|                                                         |                             |
|---------------------------------------------------------|-----------------------------|
| Contact Mating Area Length                              | 2.4 mm[.095 in]             |
| Mating Square Post Dimension                            | .5 mm[.02 in]               |
| PCB Contact Termination Area Plating Material Thickness | 1 – 2 µm[39.37 – 78.73 µin] |
| Contact Layout                                          | Staggered                   |
| Contact Shape & Form                                    | Square                      |
| PCB Contact Termination Area Plating Material           | Tin                         |
| Contact Base Material                                   | Brass                       |
| Contact Mating Area Plating Material                    | Tin                         |
| Contact Type                                            | Pin                         |
| Contact Current Rating (Max)                            | 2 A                         |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Square Termination Post & Tail Dimension    | .5 mm[.02 in]         |
| Termination Post & Tail Length              | 3 mm[.118 in]         |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                          |              |
|--------------------------|--------------|
| Mating Alignment Type    | Polarization |
| Mating Retention         | With         |
| Panel Mount Feature      | With         |
| PCB Mount Retention Type | Kinked Legs  |
| Connector Mounting Type  | Board Mount  |
| Mating Alignment         | With         |
| PCB Mount Alignment      | With         |
| PCB Mount Retention      | With         |

Housing Features

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

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Length | 22 mm[.866 in]   |
| Connector Height | 8.45 mm[.332 in] |
| Connector Width  | 4.9 mm[.192 in]  |



|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 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

|                        |                       |
|------------------------|-----------------------|
| Agency/Standard        | CSA, UL               |
| Approved Standards     | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0              |

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 650       |
| Packaging Type     | Box, Tray |

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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                    |

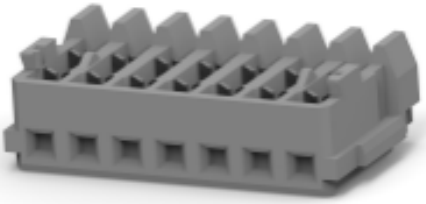
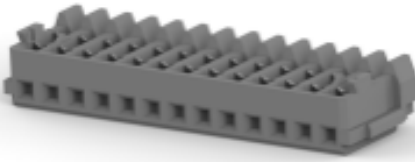
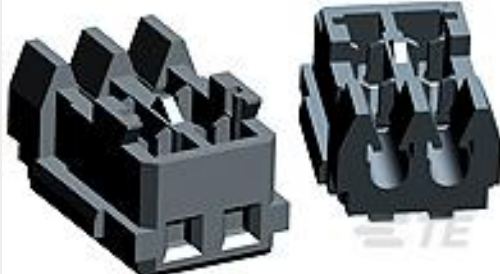
Product Compliance Disclaimer

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

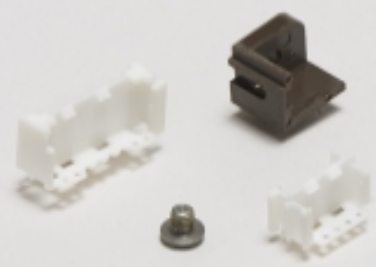
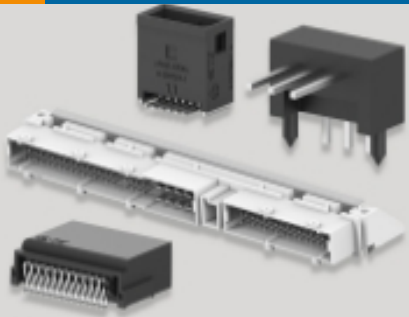


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

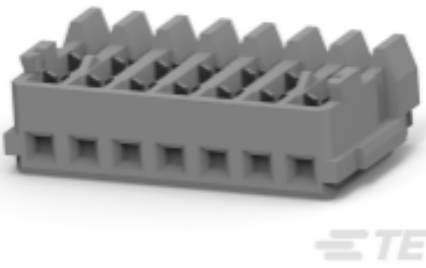
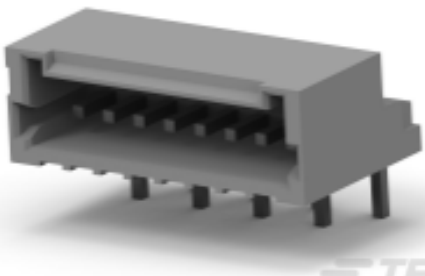
Compatible Parts

|                                                                                                                                                                   |                                                                                                                                                          |                                                                                                                                                  |                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-AM7053-H8172<br/>Mini Common Termination (CT)<br/>Housings</p> |  <p>TE Part # CAT-AM7053-C7671<br/>Mini Common Termination Contacts</p> |  <p>TE Part # 1-353293-3<br/>MINI CT MT REC ASSY 13P GRAY</p> |  <p>TE Part # 6-353293-3<br/>MINI CT MT REC ASSY 13P BLUR</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

Also in the Series | AMP Mini CT

|                                                                                                                       |                                                                                                                               |                                                                                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  <p>PCB Connector Mounting(10)</p> |  <p>PCB Headers &amp; Receptacles(332)</p> |  <p>Wire-to-Board Connector Assemblies<br/>&amp; Housings(172)</p> |  <p>Wire-to-Board Connector Contacts(4)</p> |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|

Customers Also Bought

|                                                                                                                                                            |                                                                                                                                                      |                                                                                                                                                 |                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part #353908-5<br/>Mini Common Termination (CT)<br/>Housings</p> |  <p>TE Part #292206-5<br/>MINI COMMON TERMINATION<br/>HEADERS</p> |  <p>TE Part #353907-1<br/>CT 1.5MM REC CONT CRIMP TYPE</p> |  <p>TE Part #1-292207-3<br/>MINI CT SGL DIP V 13P NAT</p>     |
|  <p>TE Part #1-292207-7<br/>MINI CT SGL DIP V 17P NAT</p>               |  <p>TE Part #292207-3<br/>MINI CT SGL DIP V 3P NAT</p>            |  <p>TE Part #292207-9<br/>MINI CT SGL DIP V 9P NAT</p>     |  <p>TE Part #2-173977-7<br/>CT CONN MT REC ASSY 7P L/BLUE</p> |

Documents

Product Drawings



MINI CT SGL DIP H 13P NAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-292206-3\_E1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-292206-3\_E1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-292206-3\_E1.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

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Product Compliance

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Agency Approvals

UL

English