

6-292145-3 ✓ ACTIVE

## AMP CT

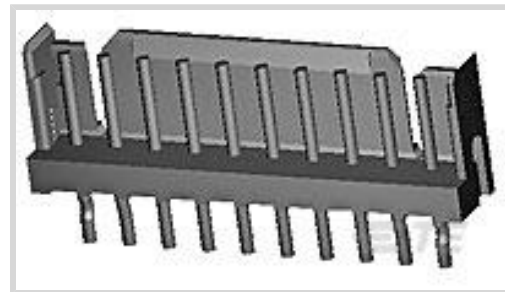
TE Internal #: 6-292145-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, AMP CT

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **2 mm [.079 in]**

PCB Mount Orientation: **Vertical**

### Features

#### Product Type Features

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

#### Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 3        |
| Number of Rows        | 1        |
| PCB Mount Orientation | Vertical |

#### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 125 VAC |
|-------------------|---------|

#### Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

#### Contact Features

|   |                                       |
|---|---------------------------------------|
| Contact Mating Area Length                              | 4.5 mm[.177 in]                       |
| PCB Contact Termination Area Plating Material Thickness | 1 – 2 $\mu$ m[39.37 – 78.73 $\mu$ in] |
| Contact Layout  | Inline                                |
| Mating Pin Diameter                                     | .6 mm[.024 in]                        |



|  |                         |
|--|-------------------------|
| Contact Mating Area Plating Material Thickness | 1 µm[39.37 – 78.73 µin] |
| Contact Shape & Form                           | Round                   |
| Contact Mating Area Plating Material Finish    | Matte                   |
| PCB Contact Termination Area Plating Material  | Tin                     |
| Contact Base Material                          | Brass                   |
| Contact Mating Area Plating Material           | Tin                     |
| Contact Type                                   | Pin                     |
| Contact Current Rating (Max)                   | 4 A                     |

### Termination Features

|   |                       |
|---|-----------------------|
| Round Termination Post & Tail Diameter      | .6 mm[.024 in]        |
| Termination Post & Tail Length              | 3.2 mm[.126 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

### Mechanical Attachment

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

### Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | Nylon 66      |
| Centerline (Pitch) | 2 mm[.079 in] |

### Dimensions

|                             |                       |
|-----------------------------|-----------------------|
| Connector Length            | 7.8 mm[.307 in]       |
| Connector Height            | 6.8 mm[.267 in]       |
| Connector Width             | 3.6 mm[.141 in]       |
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 105 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                          |                      |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
|--------------------------|----------------------|



Circuit Application

Power &amp; Signal

### Industry Standards

UL Flammability Rating

UL 94V-0

### Packaging Features

Packaging Quantity

1000

Packaging Type

Bag, 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: JUNE 2023 (235)  
 Candidate List Declared Against: JUNE 2023 (235)  
 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

Wave solder capable to 265°C

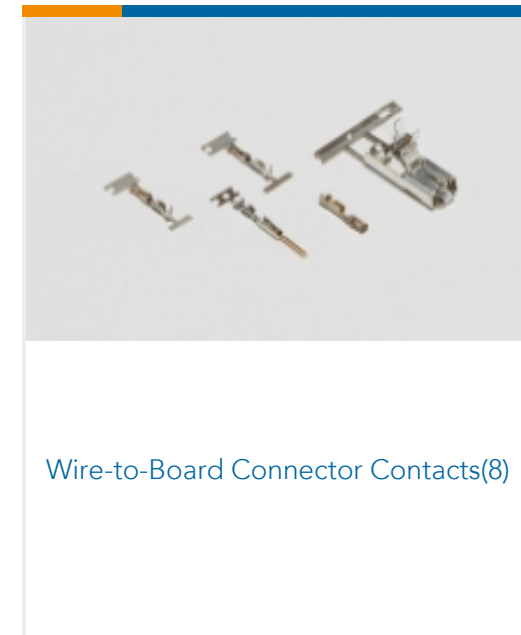
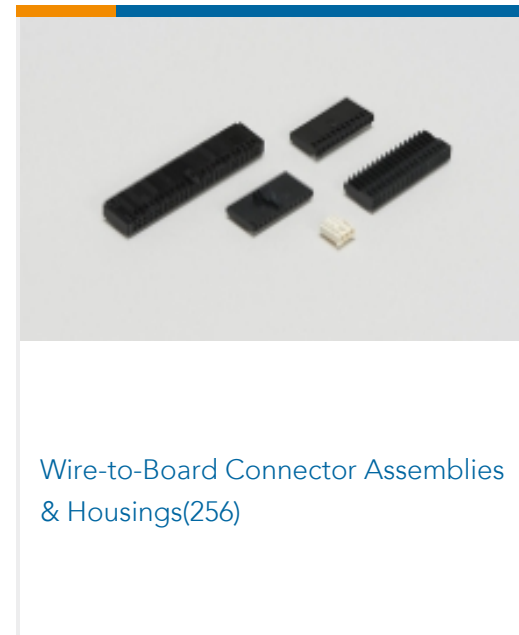
#### Product Compliance Disclaimer

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>

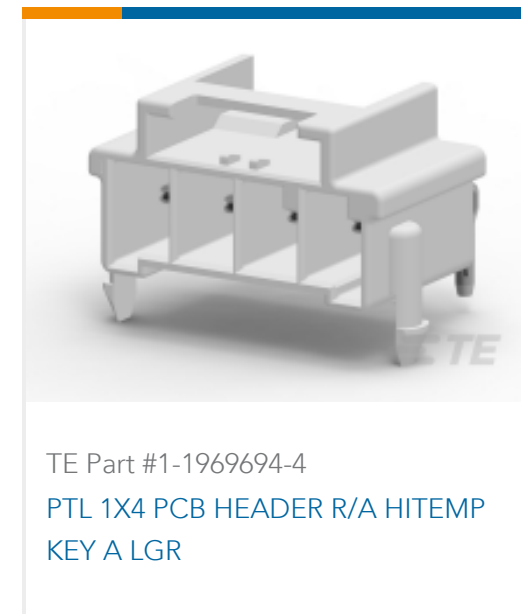
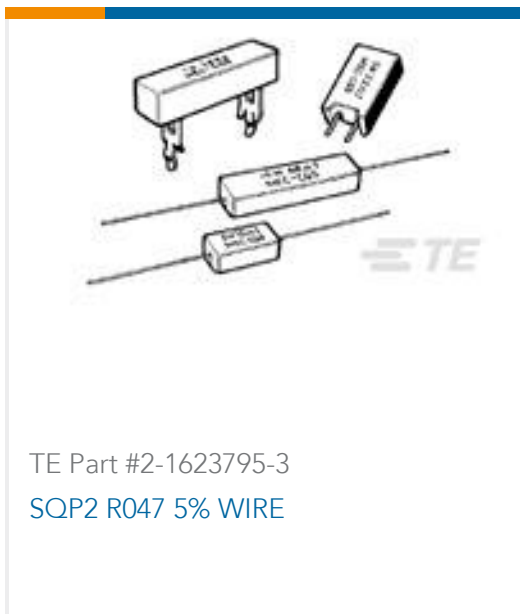
## Compatible Parts



## Also in the Series | AMP CT



## Customers Also Bought



## Documents

### Product Drawings

[CT P/HDR ASSY V 3P W/O KINK BL](#)

English

### CAD Files

[3D PDF](#)

English



**Customer View Model**

[ENG\\_CVM\\_6-292145-3\\_O.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_6-292145-3\\_O.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_6-292145-3\\_O.2d\\_dxf.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