

292133-6 ✓ ACTIVE

## AMP CT

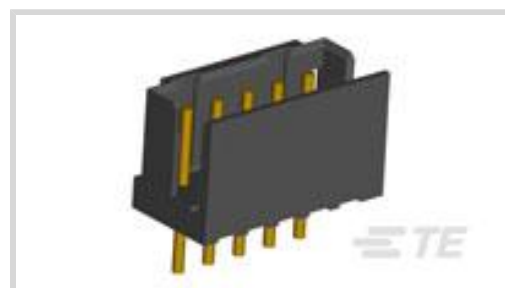
TE Internal #: 292133-6

AMP CT, PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2mm [.079in] Centerline, 1 Row, Tin, Natural Housing Color, Partially Shrouded

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



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

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

[All AMP COMMON TERMINATION HEADERS \(248\)](#)

## Features

### 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   | 6        |
| Number of Rows        | 1        |

### Electrical Characteristics

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

### Contact Features

|   |                           |
|---|---------------------------|
| Contact Layout  | Inline                    |
| Contact Mating Area Length                              | 4.2 mm[.165 in]           |
| Contact Retention Within Housing                        | Without                   |
| PCB Contact Termination Area Plating Material Thickness | 1 $\mu$ m[39.37 $\mu$ in] |
| Mating Pin Diameter                                     | .6 mm[.024 in]            |



|  |                 |
|--|-----------------|
| Contact Shape & Form                           | Round, Rounded  |
| PCB Contact Termination Area Plating Material  | Tin             |
| Contact Base Material                          | Brass           |
| Contact Mating Area Plating Material           | Tin             |
| 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)                   | 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

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

### Housing Features

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

### Dimensions

|                             |                       |
|-----------------------------|-----------------------|
| Connector Length            | 13.8 mm[.543 in]      |
| Connector Height            | 6.8 mm[.267 in]       |
| Connector Width             | 5.8 mm[.228 in]       |
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |
| Wire Size                   | 28 – 22 AWG           |



### Usage Conditions

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

### Operation/Application

|                          |                      |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application      | Power & Signal       |

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1000    |
| Packaging Method   | 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>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  |

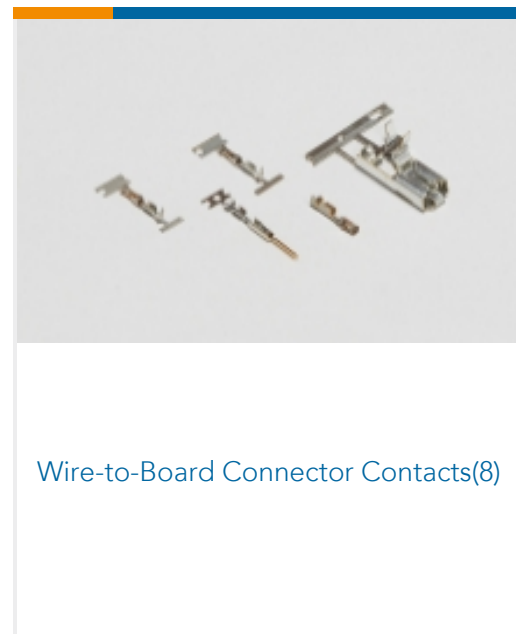
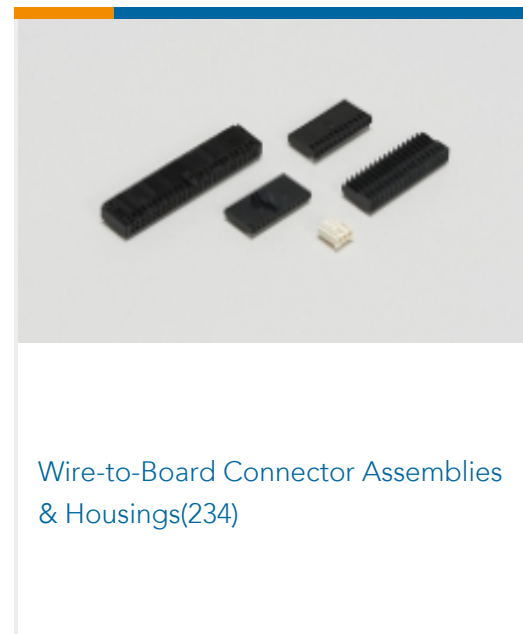
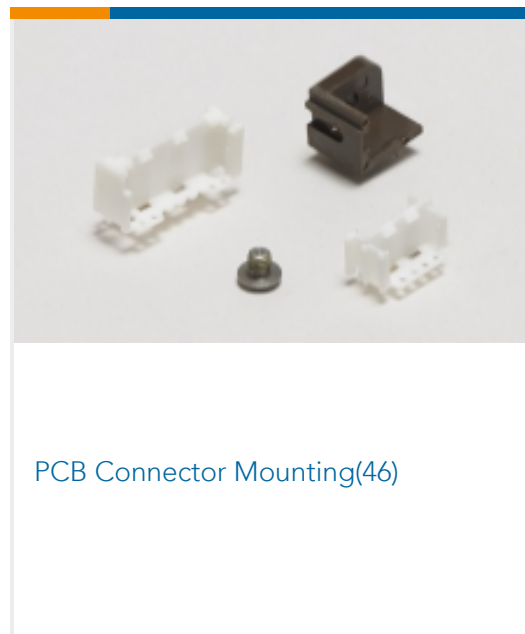
#### Product Compliance Disclaimer

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>

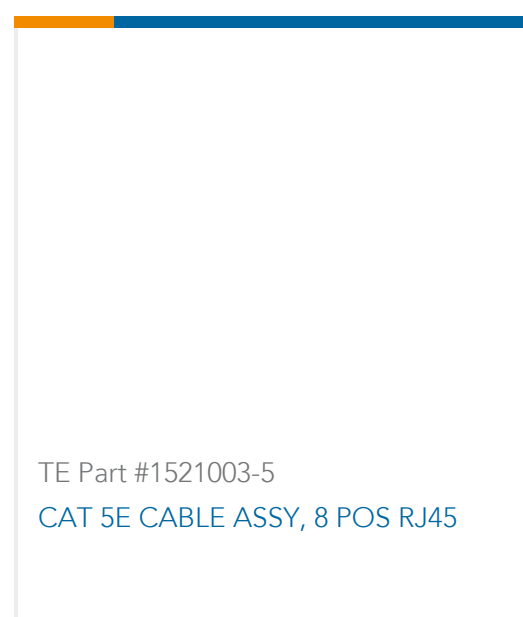
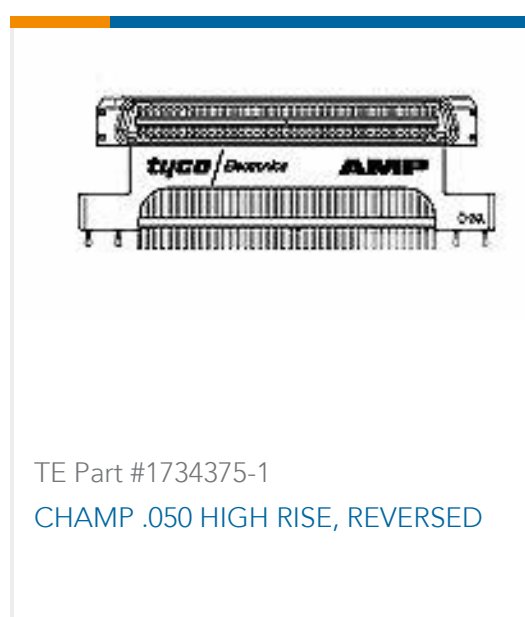
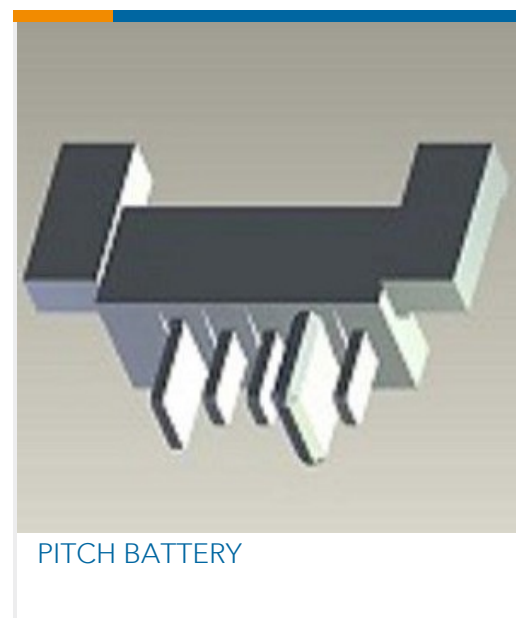
### Compatible Parts



Also in the Series | AMP CT



Customers Also Bought





## Documents

### Product Drawings

[CT P/HDR ASSY BOX V 6P W/O KIN](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_292133-6\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_292133-6\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_292133-6\\_A.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[2.0MM AMP CT CONNECTOR SERIES QUICK REF GUIDE](#)

English

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### Product Specifications

[Product Specification](#)

English

[AMP COMMON TERMINATION \(CT\), CONNECTOR, 2mm PITCH, M/T TYPE, LEAD FREE VERSION](#)

Japanese

[Product Specification](#)

Japanese

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### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English