

2-176394-6 ✓ ACTIVE

## AMP CT

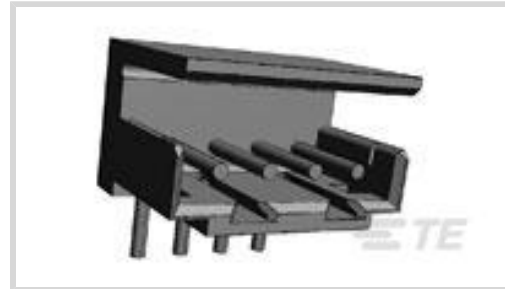
TE Internal #: 2-176394-6

PCB Mount Header, Right Angle, Wire-to-Board, 6 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Gold, Through Hole - Solder, Signal, AMP CT

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles > CT 2mm Header Assembly: Right Angle



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

Number of Positions: **6**

Number of Rows: **1**

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

PCB Mount Orientation: **Right Angle**

[All CT 2mm Header Assembly: Right Angle \(176\)](#)

## 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	6
Number of Rows	1
PCB Mount Orientation	Right Angle

### Electrical Characteristics

Operating Voltage	125 VAC
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### Body Features

Primary Product Color	Blue
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### Contact Features

Contact Mating Area Length	4.2 mm[.165 in]
PCB Contact Termination Area Plating Material Thickness	.2 $\mu$ m[7.874 $\mu$ in]



Contact Layout	Inline
Mating Pin Diameter	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	.2 $\mu$ m[7.87 $\mu$ in]
Contact Shape & Form	Round, Rounded
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
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
PCB Mount Retention Type	Kinked Legs
Mating Retention Type	Polarized Lock
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

### Housing Features

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

### Dimensions

Connector Length	13.8 mm[.543 in]
Connector Height	8.8 mm[.346 in]
Connector Width	5.8 mm[.228 in]
PCB Thickness (Recommended)	.8 mm[.031 – .063 in]

### Usage Conditions

Operating Temperature Range	-22 – 221 °C[-30 – 105 °F]
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### Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	500
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: JAN 2022 (223) 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

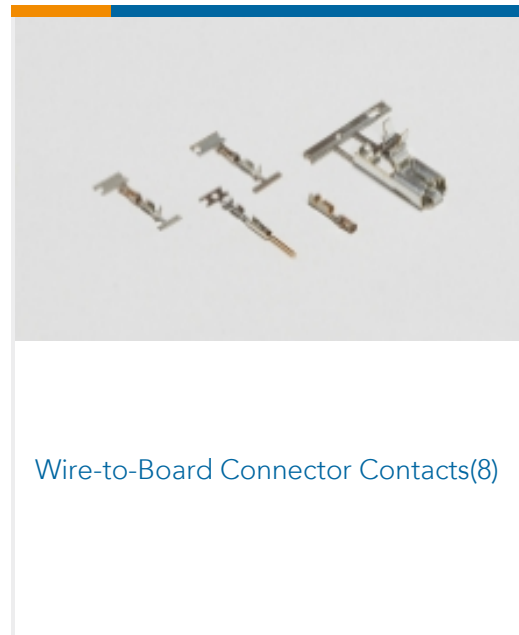
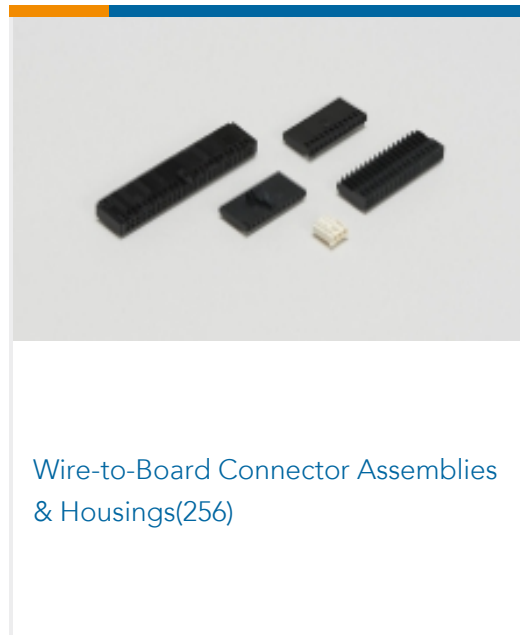
#### Product Compliance Disclaimer

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>

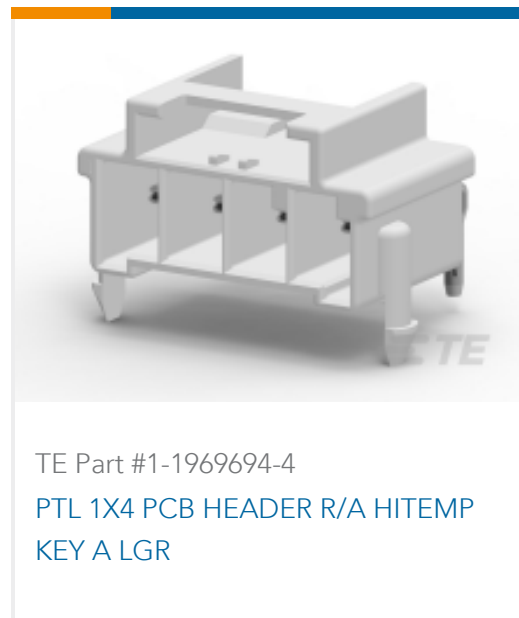
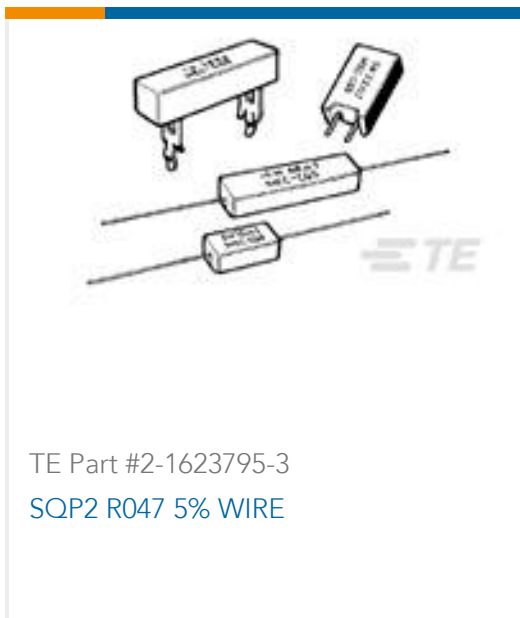
### Compatible Parts



## Also in the Series | AMP CT



## Customers Also Bought



## Documents

### Product Drawings

2MM CT BOX HDR ASSY H 6P AU PL

English

### CAD Files

3D PDF

English



**Customer View Model**

[ENG\\_CVM\\_2-176394-6\\_F.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2-176394-6\\_F.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2-176394-6\\_F.2d\\_dxf.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[CSA Certificate](#)

English