



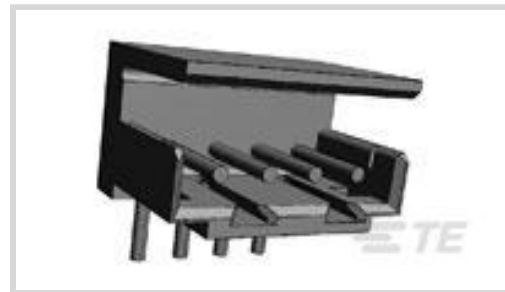
AMP CT

TE Internal #: 176394-2

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

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **2**

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

**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	Right Angle
Number of Positions	2
Number of Rows	1

**Electrical Characteristics**

Operating Voltage	125 VAC
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**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	.2 μm[7.874 μin]
Mating Pin Diameter	.6 mm[.024 in]
Contact Shape & Form	Round, Rounded



PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.2 $\mu\text{m}$ [7.87 $\mu\text{in}$ ]
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
PCB Mount Retention Type	Kinked Legs
Mating Retention Type	Polarized Lock
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

Connector Length	5.8 mm[.228 in]
Connector Height	8.8 mm[.346 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 $^{\circ}\text{C}$ [-30 – 105 $^{\circ}\text{F}$ ]
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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	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) Candidate List Declared Against: JAN 2021 (211) 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

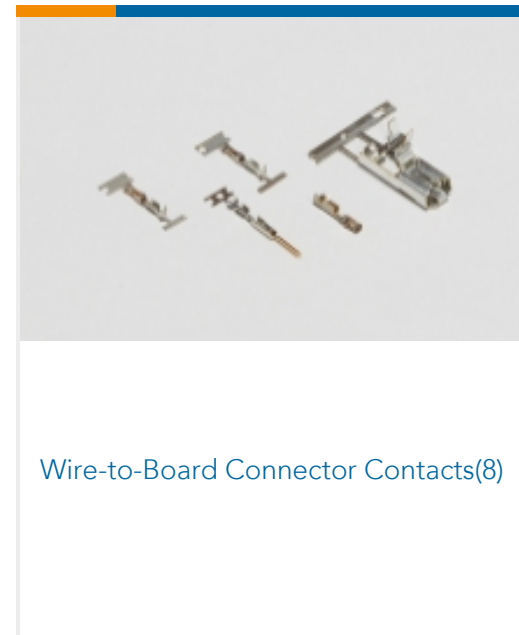
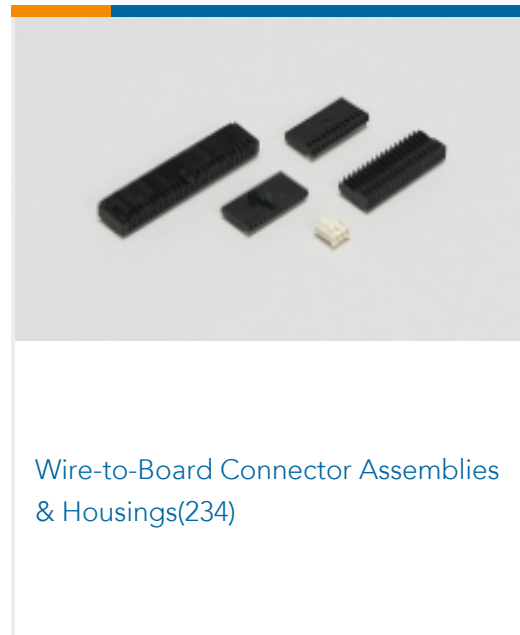
#### Product Compliance Disclaimer

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 BOX HDR ASSY H 2P GOLD](#)

English

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### CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_176394-2\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_176394-2\\_F.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_176394-2\\_F.2d\\_dxf.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

[Application Specification](#)

English

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### Agency Approvals

[CSA Certificate](#)

English