



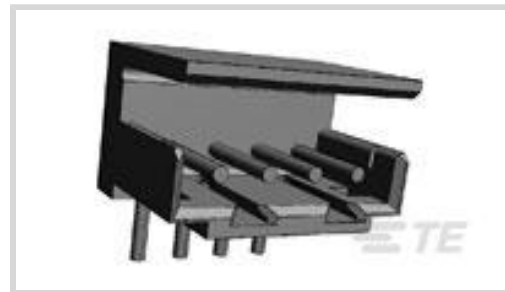
AMP CT

TE Internal #: 176394-2

PCB Mount Header, Right Angle, Wire-to-Board, 2 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



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

Number of Positions: **2**

Number of Rows: **1**

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

PCB Mount Orientation: **Right Angle**

**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	2
Number of Rows	1
PCB Mount Orientation	Right Angle

**Electrical Characteristics**

Operating Voltage	125 VAC
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**Body Features**

Primary Product Color	Natural
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**Contact Features**

Contact Mating Area Length	4.2 mm[.165 in]
PCB Contact Termination Area Plating Material Thickness	.2 μm[7.874 μin]
Contact Layout	Inline
Mating Pin Diameter	.6 mm[.024 in]



Contact Mating Area Plating Material Thickness	.2 $\mu\text{m}$ [7.87 $\mu\text{in}$ ]
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	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]

### 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
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Circuit Application

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 2022 (224)  
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

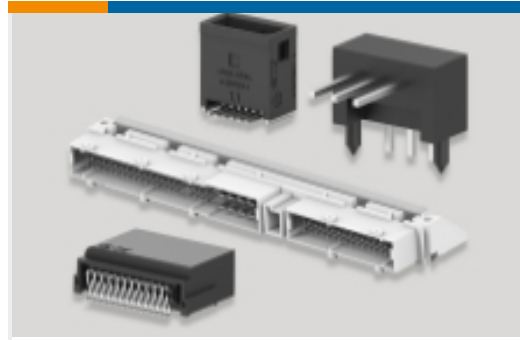


TE Part # 176392-2  
CT MT REC ASSY 2P GOLD

## Also in the Series | AMP CT



PCB Connector Mounting(46)



PCB Headers & Receptacles(756)



Wire-to-Board Connector Assemblies & Housings(256)



Wire-to-Board Connector Contacts(8)

## Customers Also Bought



TE Part #179227-4  
AMP CT CRIMP-2 REC CONT AU



TE Part #4-179228-2  
AMP COMMON TERMINATION HOUSINGS



TE Part #1-440055-0  
AMP HPI 2.0 mm Headers



TE Part #2-323008-1  
PIDG R 22-16 COMM 22-18 MIL 6



TE Part #1-440129-6  
2.0MM,HSG,16POS



TE Part #7-1437624-2  
PKGP70B1/4=KNOB PLASTIC W/POIN



TE Part #GA10K3CG4  
CHPC-TAIWAN GOLD CHIP

## Documents

### Product Drawings

[CT BOX HDR ASSY H 2P GOLD](#)

English

### 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

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance](#)

English

[Product Compliance](#)

English

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**Agency Approvals**

[CSA Certificate](#)

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