

#### **AMP CT**

TE Internal #: 292174-6

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2 mm [.079

in] Centerline, Partially Shrouded, Tin, Surface Mount, Power &

Signal, AMP CT

View on TE.com >

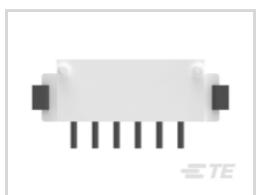


Connectors > PCB Connectors > PCB Headers & Receptacles > CT Box Header SMT: Vert, Shrouded











PCB Connector Assembly Type: PCB Mount Header

Connector System: Wire-to-Board

Number of Positions: 6
Number of Rows: 1

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

All CT Box Header SMT: Vert, Shrouded (21)

## **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	
Number of Positions	6
Number of Rows	1
PCB Mount Orientation	Vertical
Electrical Characteristics	
Operating Voltage	125 VAC



Primary Product Color	Natural
Contact Features	
Contact Mating Area Length	4.5 mm[.177 in]
PCB Contact Termination Area Plating Material Thickness	1 – 2 μm[39.37 – 78.73 μin]
Contact Layout	Inline
Mating Pin Diameter	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	1 – 2 μm[39.37 – 78.73 μin]
Contact Shape & Form	Round
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	
Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Method to PCB	Surface Mount
Mechanical Attachment	
Mating Alignment Type	Polarization
Mating Retention	Without
Panel Mount Feature	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
Housing Features	
Housing Material	6T PA(GF)
Centerline (Pitch)	2 mm[.079 in]
Dimensions	
Connector Length	14 mm[.551 in]
Connector Height	7.8 mm[.307 in]
Connector Width	5.8 mm[.228 in]



PCB Thickness (	(Recommended	) .8 mml	[.031 – .063 in]	
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## **Usage Conditions**

Operating Temperature Range	-40 - 105 °C[-40 - 221 °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	700
Packaging Method	Box, Tape

## **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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	Reflow solder capable to 245°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





HOUSINGS





# Also in the Series | AMP CT







Connector Hardware(46)



PCB Headers & Receptacles(756)



Wire-to-Board Connector Assemblies & Housings(255)

# Customers Also Bought

















TE Part #1-1393236-9 V23092-A1018-A301

## **Documents**

**CAD Files** 

3D PDF

3D

Customer View Model ENG\_CVM\_CVM\_292174-6\_C1.2d\_dxf.zip

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin, Surface Mount, Power & Signal, AMP CT



English

**Customer View Model** 

ENG\_CVM\_CVM\_292174-6\_C1.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_292174-6\_C1.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## **Product Specifications**

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

Japanese

**Product Specification** 

Japanese