### AMP CT

TE Internal #: 2-292175-6

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

Signal, AMP CT

View on TE.com >



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



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical
Connector System: Wire-to-Board

Number of Positions: 6
Number of Rows: 1

All CT Box Header SMT: Vert, Shrouded (34)

### **Features**

### **Product Type Features**

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly
Configuration Features	
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1
Electrical Characteristics	
Operating Voltage	125 VDC
Body Features	
Primary Product Color	Black
Contact Features	
Mating Pin Diameter	.6 mm[.024 in]



Contact Mating Area Plating Material Thickness	1 – 2 μm[39.37 – 78.73 μin]
PCB Contact Termination Area Plating Material Thickness	1 – 2 μm[39.37 – 78.73 μin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Mating Area Length	4.5 mm[.177 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
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	
Panel Mount Feature	With
Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention Type	Solder Peg
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	6T PA(GF)
Centerline (Pitch)	2 mm[.079 in]
Dimensions	
Connector Width	5.8 mm[.228 in]
PCB Thickness (Recommended)	.8 mm[.031 – .063 in]
Connector Height	7.8 mm[.307 in]
Connector Length	13.8 mm[.543 in]

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	
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR7189, UL E28476
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: JAN 2025 (247) Candidate List Declared Against: JUNE 2023 (235) 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



Common Termination Contacts —

POWER TRIPLE LOCK



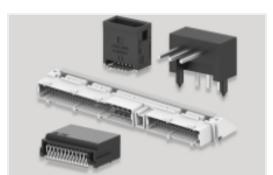
## Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(46)



PCB Headers & Receptacles(756)



Rectangular Connector Housings(72)



Rectangular Power Connectors (906)



Standard Rectangular Connectors(158)



Wire-to-Board Connector Assemblies & Housings(97)



Wire-to-Board Headers & Receptacles (756)

# Customers Also Bought



TE Part #292230-5

1.5 MINI CT SGL V SMT W/BOSS 5



TE Part #1-292230-3 1.5 MINI CT SGL V SMT W/BOSS 1



TE Part #1-292230-2 1.5 MINI CT SGL V SMT W/BOSS 1









### **Documents**

### **Product Drawings**

CT BOX HDR V SMT 6P O/TAPE BLA

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-292175-6\_A1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-292175-6\_A1.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-292175-6\_A1.3d\_stp.zip

English

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

## **Product Specifications**

**Product Specification** 

English

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

Japanese

**Product Specification** 

Japanese