

#### **AMP CT**

TE Internal #: 1-292173-6

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

Signal, AMP CT

View on TE.com >



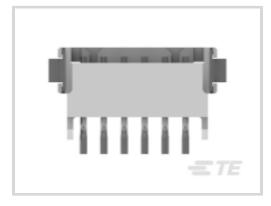
Connectors > PCB Connectors > PCB Headers & Receptacles > AMP COMMON TERMINATION HEADERS











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 AMP COMMON TERMINATION HEADERS (33)

## **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	Natural
Contact Features	
Contact Mating Area Length	4.2 mm[.165 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 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	
Round Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Method to Printed Circuit Board	Surface Mount
Mechanical Attachment	
Mating Alignment Type	Polarization
Mating Retention	Without
Panel Mount Feature	With
PCB Mount Retention Type	Solder Peg
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	13.8 mm[.543 in]
Connector Height	5.8 mm[.228 in]
Connector Width	9 mm[.354 in]
PCB Thickness (Recommended)	.8 mm[.031 – .063 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	
Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	500
Packaging Type	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 2023 (235) 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



TE Part # CAT-AM7017-C7671 Common Termination Contacts — POWER TRIPLE LOCK



TE Part # CAT-AM7017-H8172 AMP COMMON TERMINATION HOUSINGS



## 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 #292173-6 CT BOX HDR H SMT 6P O/TAPE BLA



TE Part #5-1419111-9 PT28800









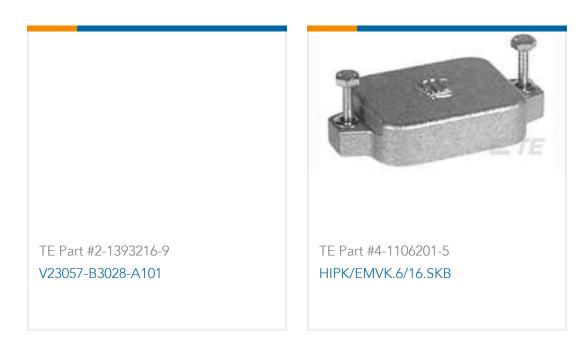


MSPEED 50 M SMD M1 BE AB VV 137 094 \* 2F

TE Part #2-1393216-8 V23057-B3023-A101

TE Part #2-1393216-6 V23057-B3006-A101





#### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-292173-6\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-292173-6\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-292173-6\_B.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

Agency Approvals

**CSA Certificate** 

English