3-292173-6 ✔ ACTIVE

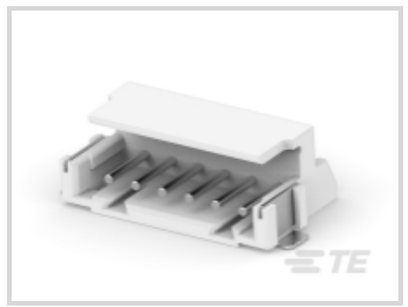
AMP CT

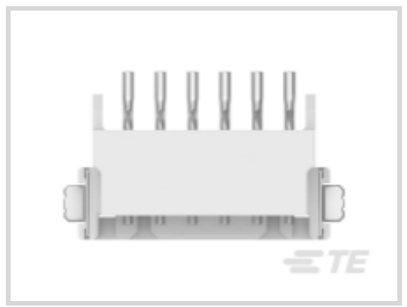
TE Internal #: 3-292173-6

AMP CT, PCB Mount Header, Right Angle, Wire-to-Board, 6 Position, 2mm [.079in] Centerline, 1 Row, Tin, Natural Housing Color, Partially Shrouded

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles > AMP COMMON TERMINATION HEADERS







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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **6**

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

All AMP COMMON TERMINATION HEADERS (248)

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	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	125 VAC

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	1 – 2 µm[39.37 – 78.73 µin]
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

Strain Relief	Without
Mating Alignment Type	Backwall Interruptions Between Posts
Mating Alignment	With
Panel Mount Feature	With
PCB Mount Retention Type	Solder Peg
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	6T PA(GF)

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]

Wire Size	28 – 22 AWG

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
Agency/Standard	UL
Agency/Standard Number	CSA, UL
CSA File Number	LR 7189
UL File Number	E28476

Packaging Features

Packaging Quantity	500
Packaging Method	Tape, 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	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
AMP COMMON TERMINATION CONTACTS



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



TE Part # 1-353293-3
MINI CT MT REC ASSY 13P GRAY

Also in the Series | AMP CT



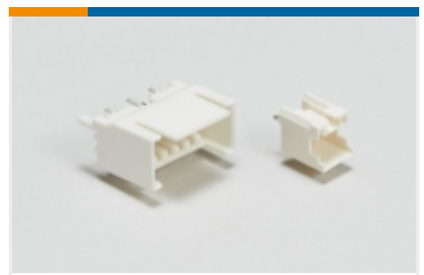
PCB Connector Mounting(46)



Wire-to-Board Connector Assemblies & Housings(234)



Wire-to-Board Connector Contacts(8)



Wire-to-Board Headers & Receptacles (760)

Customers Also Bought

TE Part #1-1423008-8
PCB Power Relay: 40 Amp, Monostable

TE Part #1-292141-8
CT 2mm Dbl Row Assembly w/Boss: Vert.

TE Part #1-1971773-3
POWER TRIPLE LOCK STD TEMP PLUG

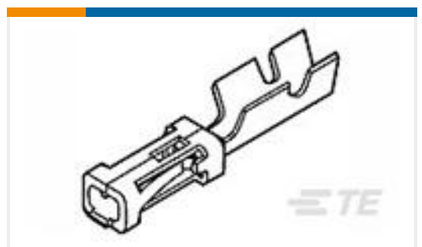
TE Part #1-770903-1
MINI UMNL PIN 22-18 AWG AU LF



TE Part #1-172165-2
2CIR MINI U-M-N-L PLUG RED



TE Part #1-292251-4
AMP COMMON TERMINATION HEADERS



TE Part #1-87523-8
MOD IV RECP PLTD 30 DPLX



TE Part #1-188685-2
STD TIMER PCB CONTACT



TE Part #8-1879334-9
CPF 0603 16R5 1% 50PPM 1K RL



TE Part #1676310-3
RN 0805 34K8 0.1% 10PPM 5KRL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-292173-6_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-292173-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-292173-6_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

2.0MM_AMP_CT_CONNECTOR_SERIES_QUICK_REF_GUIDE

English

Product Specifications

Product Specification

English

Product Specification

English

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

Japanese

Product Specification

Japanese

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

CSA Certificate

English