3-292173-7 ✔ ACTIVE

AMP CT

TE Internal #: 3-292173-7

PCB Mount Header, Horizontal, Wire-to-Board, 7 Position, 2 mm [.078 in] Centerline, Partially Shrouded, Tin (Sn), Surface Mount, Power & Signal

View on TE.com >

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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **7**

Centerline (Pitch): **2 mm [.078 in]**

All AMP COMMON TERMINATION HEADERS (33)

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

Number of Columns	7
Number of Loaded Positions	7
PCB Mount Orientation	Horizontal
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	125 VDC

Body Features

Primary Product Color	Natural

Contact Features

Mating Pin Diameter	.6 mm[.024 in]
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	4.2 mm[.165 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Type	Pin
Contact Current Rating (Max)	4 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	2 mm[.078 in]
Housing Material	6T PA GF

Dimensions

Connector Width	9 mm[.354 in]
PCB Thickness (Recommended)	.8 mm[.031 in]
Connector Height	5.8 mm[.228 in]
Connector Length	15.8 mm[.622 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	2500
Packaging Method	Reel

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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-H8172
AMP COMMON TERMINATION HOUSINGS



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

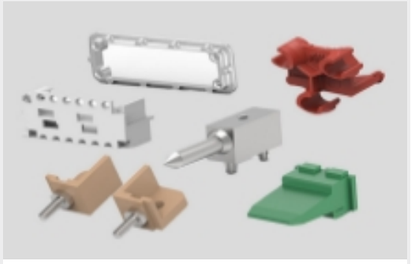


TE Part # CAT-AM7017-C7671
Common Termination Contacts — POWER TRIPLE LOCK

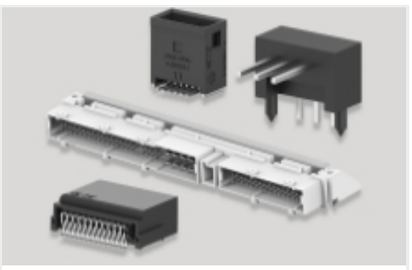
Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(39)



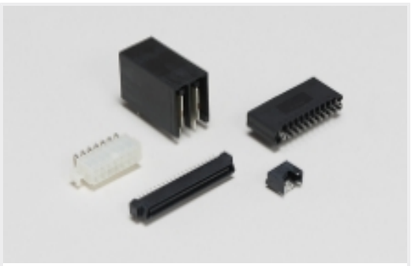
PCB Headers & Receptacles(739)



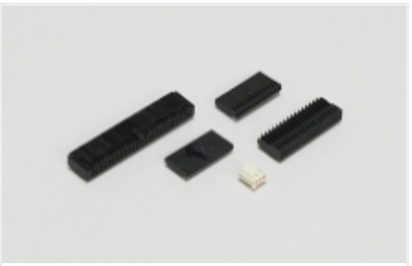
Rectangular Connector Housings(74)



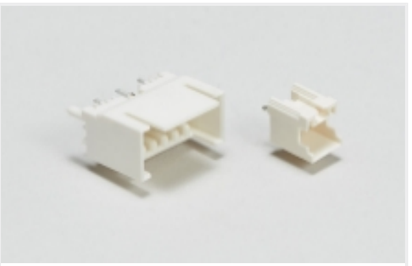
Rectangular Power Connectors(883)



Standard Rectangular Connectors(228)



Wire-to-Board Connector Assemblies & Housings(165)

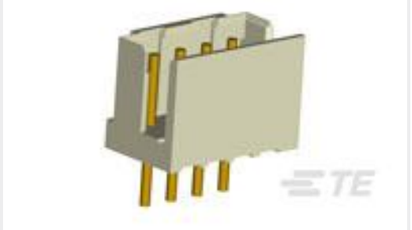


Wire-to-Board Headers & Receptacles (739)

Customers Also Bought



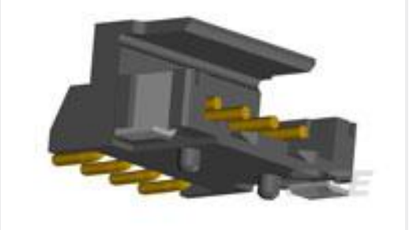
TE Part #175288-5
DYNAMIC D-3 TAB CONT. M PRE-TIN L/P



TE Part #1-292132-3
CT P/HDR BOX V 13P NAT



TE Part #3-292141-0
CT DOUBLE ROW ASSY V 30P W/BOS



TE Part #3-292173-2
CT BOX HDR H SMT 2P O/TAPE NAT



TE Part #292250-9
CT P/HDR BOX H ASSY 9P W/KINK



TE Part #342103-1
22-16 F.E.P.G. RING TONGUE NO.



TE Part #350432-4
09P UMNL PIN HDR ASSY NATL LF



TE Part #1-770967-0
03P MINI UMNL R/A HDR ASSY SN



TE Part #1-1658527-3
622-4041LF FEM SOCKT,LEAD FREE



TE Part #1-2176349-7
CRGCQ 2512 220R 1%

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-292173-7_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-292173-7_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-292173-7_B.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

Agency Approvals

CSA Certificate

English

CSA Certificate

English