



AMP CT

TE Internal #: 292174-7
PCB Mount Header, Vertical, Wire-to-Board, 7 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: **7**
Centerline (Pitch): **2 mm [.079 in]**

[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	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	125 VDC
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Body Features

Primary Product Color	Natural
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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	4.5 mm[.177 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	1 – 2 µm[39.37 – 78.73 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

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

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Material	6T PA GF

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	16 mm[.63 in]

Usage Conditions

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

Assembly Process Feature	Pick and Place Cover
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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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 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 # 2405869-7
CT 7P 300MM CABLE ASSEMBLY 2-179228-7



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



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

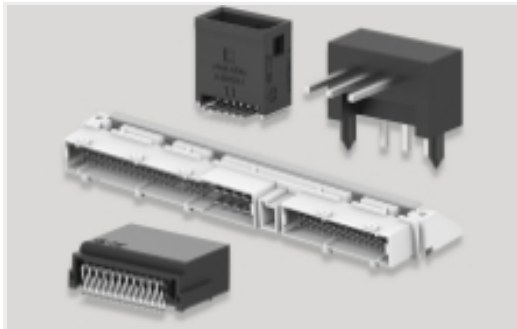
Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(39)



PCB Headers & Receptacles(739)



Rectangular Connector Housings(74)



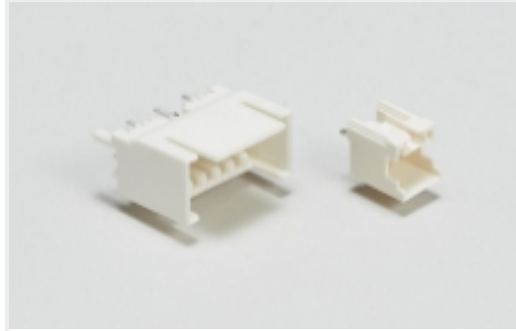
Rectangular Power Connectors(883)



Standard Rectangular Connectors(228)

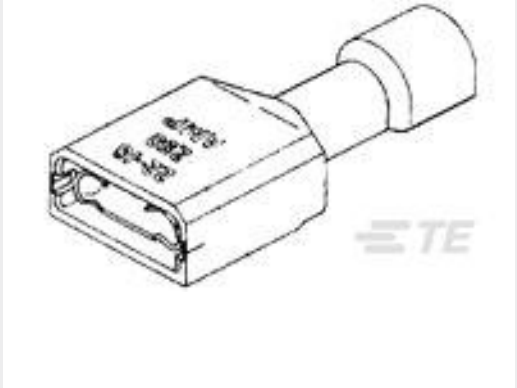


Wire-to-Board Connector Assemblies & Housings(165)



Wire-to-Board Headers & Receptacles (739)

Customers Also Bought



TE Part #3-520124-2
187 ULTRA-FAST ASY REC 16-14 AWG TPBR



TE Part #1473005-4
SEMI-HARD TRAY DDR2 SODIMM SOCKET 200P 5



TE Part #3-1734248-0
1.0 FPC, ZIF V/T, SMT, 30P



TE Part #1761465-1
PCI Express RA assy 5.8mm slot 2.3 mm pc



TE Part #2-1761608-3
IDC LOW PRO HDR 10P VERT SHT L

TE Part #3-2176316-8
MELF SMA_A 100R 1% 50PPM 0207 1W

TE Part #4-2176316-8
MELF SMA_A 680R 1% 50PPM 0207 1W

TE Part #5100141-1
2MM H.M. TYPE "B" PIN ASSY.

TE Part #CAT-472-Z12553
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_292174-7_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_292174-7_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_292174-7_O.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