



AMP CT

TE Internal #: 2-173977-6

Connector Assembly, Receptacle, Wire-to-Board, 6 Position, 2 mm [.079 in] Centerline, Insulation Displacement (IDC), 1 Row, Blue, Wire & Cable, AMP CT

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings > AMP COMMON TERMINATION HOUSINGS



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

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

[All AMP COMMON TERMINATION HOUSINGS \(176\)](#)

Features

Dimensions

	2 in
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Product Type Features

Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Rows	1

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Material	PBT GF

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Body Features

Primary Product Color	Blue
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Mechanical Attachment

Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Contact Features

Contact Current Rating (Max)	2 A
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Operation/Application

Circuit Application	Power & Signal
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Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Termination Resistance	6 mΩ
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

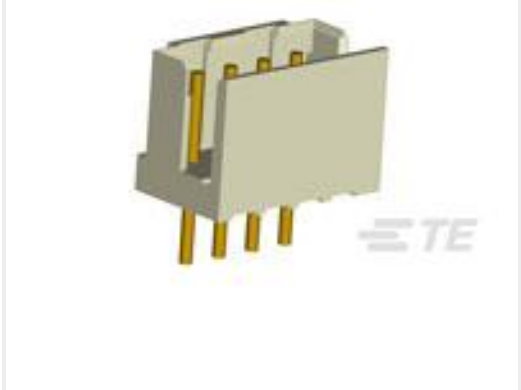
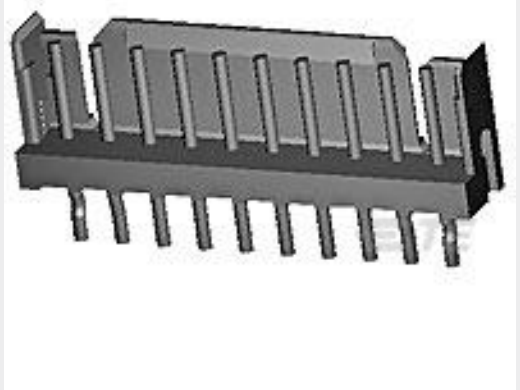
Product Compliance Disclaimer

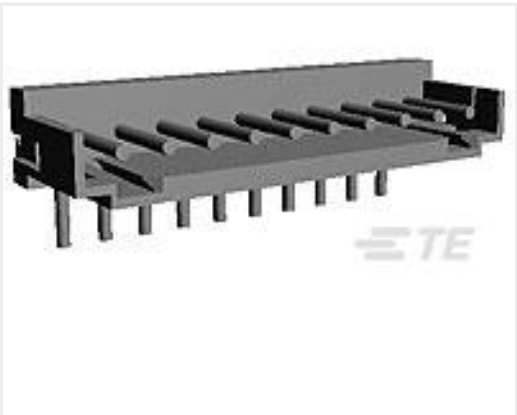
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



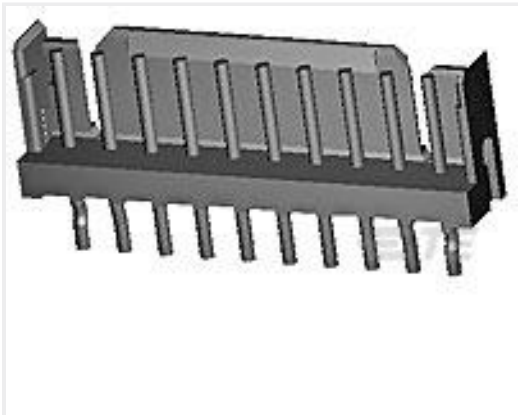
limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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-H342 AMP COMMON TERMINATION HEADERS	TE Part # 292174-6 CT BOX HDR V SMT 6P O/TAPE NAT	TE Part # CAT-3980407-RHDRRA CT 2mm Header Assembly: Right Angle	TE Part # CAT-3983174-PHBXHK CT 2mm Post Header Assembly Box H Kink
			
TE Part # 2-292156-6 CT RELAY HDR ASSY FREE HANGING	TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	TE Part # 58372-1 HEAD (IDC) 2MM C.T. W/O TL	TE Part # 292175-6 CT BOX HDR V SMT 6P O/TAPE NAT
			
TE Part # 2-173983-6 AMP CT MT AMP-IN HDR-H YEL 6P	TE Part # 292161-6 CT P/HDR ASSY V 6P W/KINK NAT	TE Part # 292254-6 CT RELAY HDR ASSY 6P NAT	TE Part # 292132-6 CT P/HDR BOX V 6P NAT
			
TE Part # 2-173985-6 AMP CT MT AMP-IN HDR-V BLU 6P	TE Part # 2-292132-6 CT P/HDR BOX V 6P BLUE	TE Part # 2-292161-6 CT P/HDR ASSY V 6P W/KINK BLUE	TE Part # 2-292254-6 CT RELAY HDR ASSY 6P BLUE



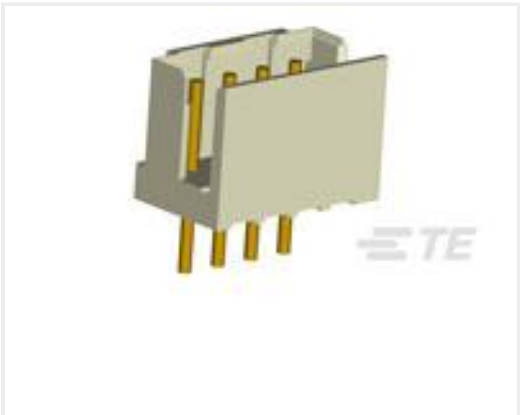
TE Part # 2-292143-6
CT POST HDR ASSY 6P H W/O KINK



TE Part # 2-292145-6
CT P/HDR ASSY V 6P W/O KINK BL



TE Part # 2-292164-6
CT P/HDR BOX H ASSY 6P T/P BLU

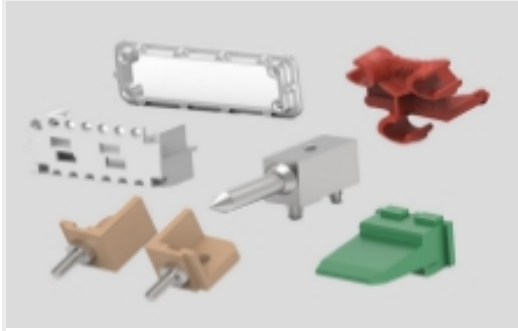


TE Part # 2-292165-6
CT P/HDR BOX V 6P T/P BLUE

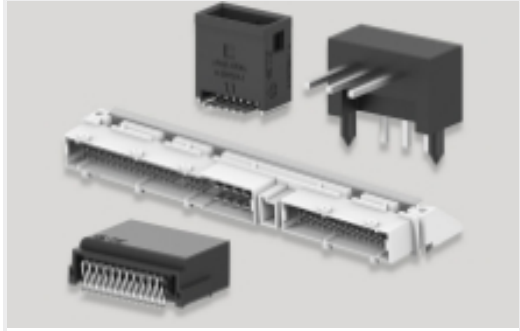
Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(46)



PCB Headers & Receptacles(756)



Wire-to-Board Connector Assemblies & Housings(255)

Customers Also Bought



TE Part #292156-3
CT RELAY HDR ASSY FREE HANGING



TE Part #1-175133-2
CT DBL ROW 12P HOLDER NATURAL



TE Part #176281-1
UNIV POWER CAP HSG 1P F/H



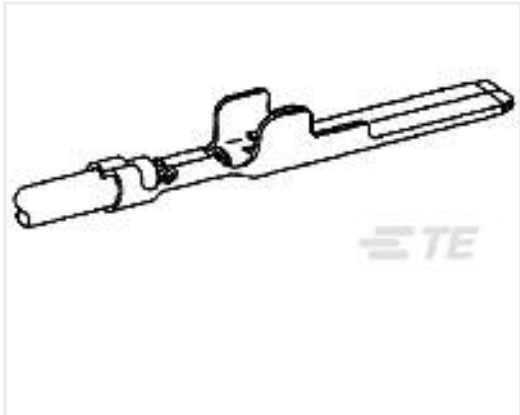
TE Part #292156-2
CT RELAY HDR ASSY FREE HANGING



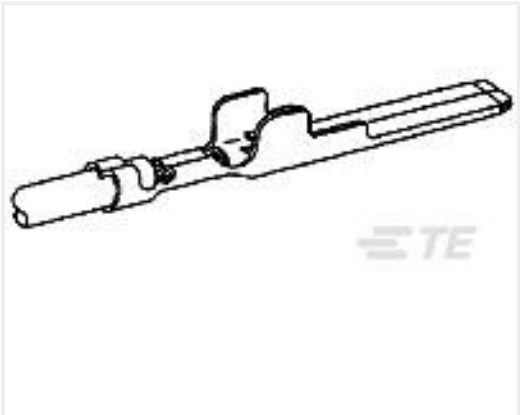
TE Part #175150-1
UNIVERSAL POWER CONN TAB



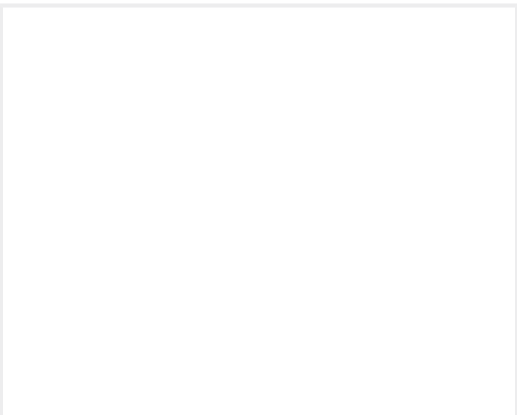
TE Part #963961-2
FF 110 TAB 0.2-0.5MM2 .070 F PTP CUZN30



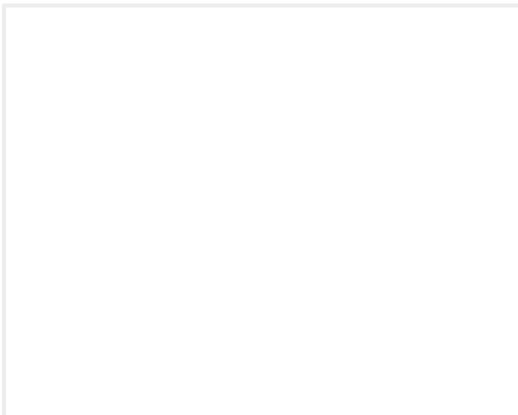
TE Part #1-179321-2
HYBRID MINI DRWER TAB CONT.



TE Part #1-179322-2
HYBRID MINI DRAWER TAB CONT.



TE Part #8-292112-3
MT REC ASSY (#26,28)



TE Part #8-292112-2
MT REC ASSY (#26,28)



Documents

CAD Files

Customer View Model

ENG_CVM_CVM_2-173977-6_M.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-173977-6_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-173977-6_M.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Instruction Sheets

MINI PRESS CT CONNECTOR (WAS IS-553J)

Japanese

Instruction Sheet (non U.S.)

Japanese

Agency Approvals

CSA Certificate

English

CSA Certificate

English