



AMP CT

TE Internal #: 6-173977-7

Connector Assembly, Receptacle, Wire-to-Board, 7 Position, 2 mm [.079 in] Centerline, Insulation Displacement (IDC), 1 Row, Black, AMP CT

[View on TE.com >](#)

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: **7**

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

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

Features

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	7
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)
------------------------------------	-------------------------------

Body Features

Primary Product Color	Black
-----------------------	-------



Mechanical Attachment

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

Contact Features

Contact Current Rating (Max)	2 A
------------------------------	-----

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Usage Conditions

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

For compliance documentation, visit the product page on TE.com>

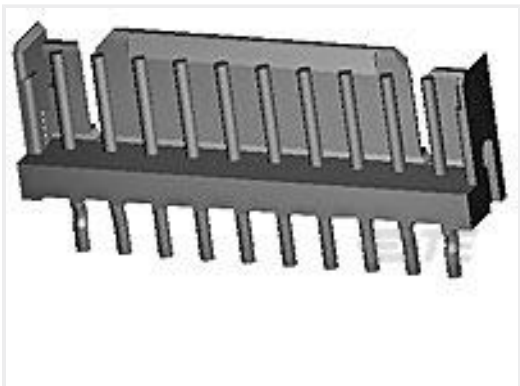
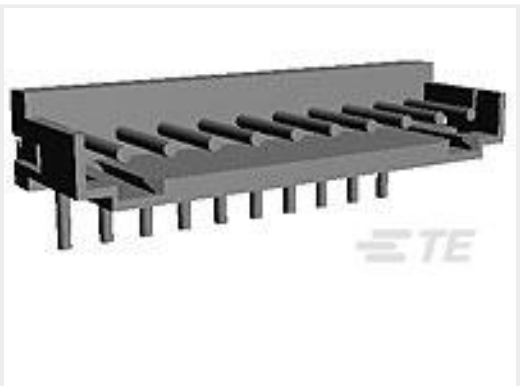
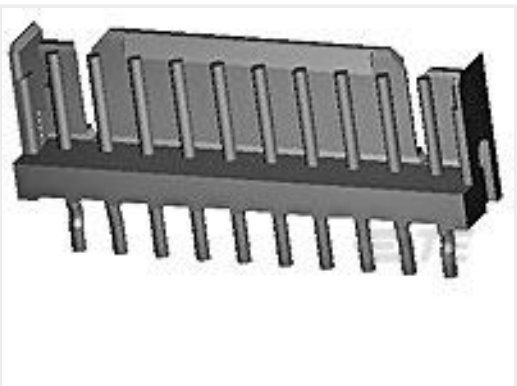
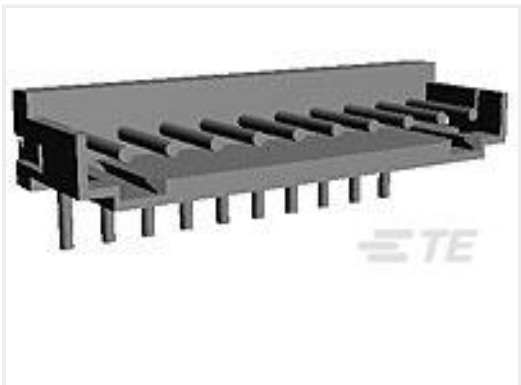
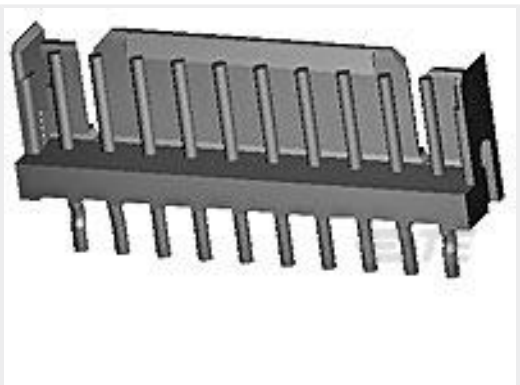
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # CAT-3984552-PHITPS CT Post Header Assembly: Part. Shrouded	 TE Part # CAT-3983174-PHBXHK CT 2mm Post Header Assembly Box H Kink	 TE Part # CAT-3984552-BHTHVS CT Box Header SMT: Vert, Shrouded
 TE Part # CAT-3980407-RHRRRA CT 2mm Header Assembly: Right Angle	 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 # 292132-7 CT P/HDR BOX V 7P NAT
 TE Part # 292254-7 CT RELAY HDR ASSY 7P NAT	 TE Part # 292161-7 CT P/HDR ASSY V 7P W/KINK NAT	 TE Part # 292174-7 CT BOX HDR V SMT 7P O/TAPE NAT	 TE Part # 6-292132-7 CT P/HDR BOX V 7P BLACK
 TE Part # 6-292161-7 CT P/HDR ASSY V 7P W/KINK BLAC	 TE Part # 6-292254-7 CT RELAY HDR ASSY 7P BLACK	 TE Part # 6-292143-7 CT POST HDR ASSY 7P H W/O KINK	 TE Part # 6-292145-7 CT P/HDR ASSY V 7P W/O KINK BL
 TE Part # 6-292165-7 CT P/HDR BOX V 7P T/P BLACK	 TE Part # 6-292168-7 CT P/HDR ASSY 7P H W/O KINK TU	 TE Part # 6-292170-7 CT P/HDR ASSY 7P V W/O KINK T	 TE Part # 8-292260-7 CT P/HDR BOX H ASSY 7P T/P BLA

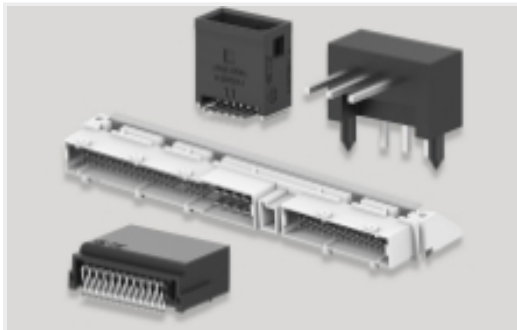
Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(46)



PCB Headers & Receptacles(756)



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

Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #W2S
Wedgelocks: DEUTSCH DT



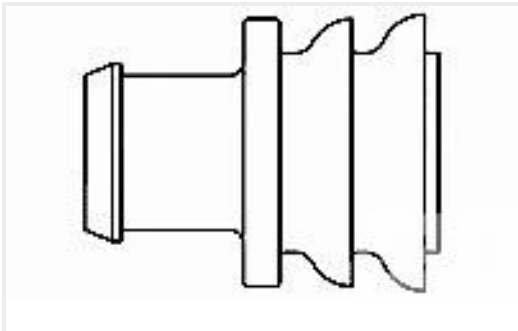
TE Part #0460-202-16141
DEUTSCH Solid Contacts



TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

- CAD Files

Customer View Model

ENG_CVM_CVM_6-173977-7_M.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-173977-7_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-173977-7_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