6-173977-8 ✔ ACTIVE

AMP CT

TE Internal #: 6-173977-8

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

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **8**

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

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	8
Number of Rows	1

Body Features

Primary Product Color	Black

Contact Features

Contact Current Rating (Max)	2 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Material	Glass-Filled PBT

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Product Compliance

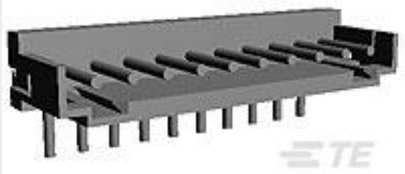
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) 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	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

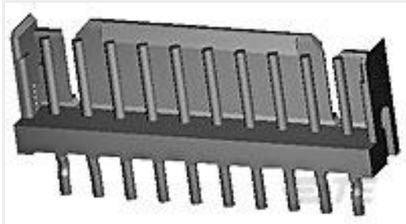
Compatible Parts



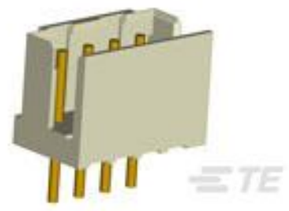
TE Part # 6-292253-8
CT HDR ASSY H 8P BLACK



TE Part # 292132-8
CT P/HDR BOX V 8P NAT



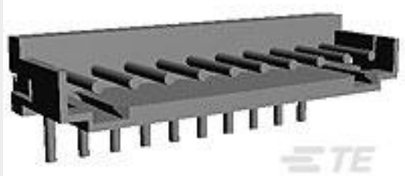
TE Part # 6-292145-8
CT P/HDR ASSY V 8P W/O KINK BL



TE Part # 6-292132-8
CT P/HDR BOX V 8P BLACK



TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 8-292261-8
CT P/HDR ASSY H 8P W/KINK TUBE



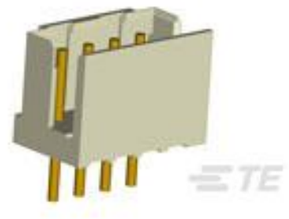
TE Part # 6-292250-8
CT P/HDR BOX H ASSY 8P W/KINK



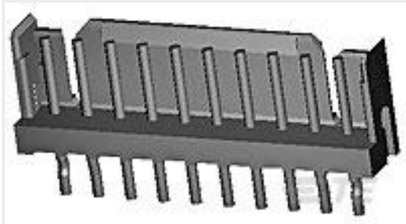
TE Part # 2-292174-8
CT BOX HDR V SMT 8P O/TAPE BLA



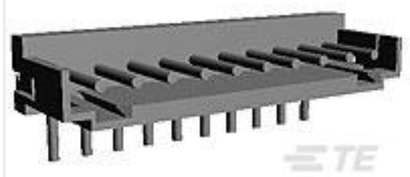
TE Part # 292253-8
CT CONN MT HDR ASSY H 8P NAT



TE Part # 6-292165-8
CT P/HDR BOX V 8P T/P BLACK



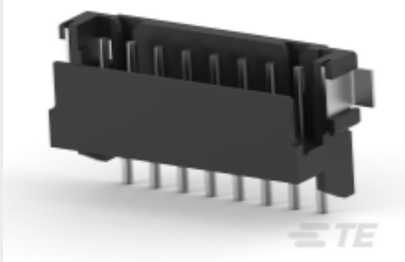
TE Part # 6-292161-8
CT P/HDR ASSY V 8P W/KINK BLAC



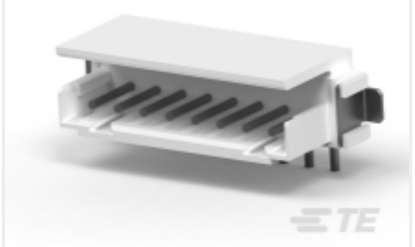
TE Part # 6-292143-8
CT POST HDR ASSY 8P H W/O KINK



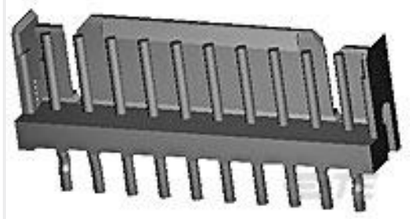
TE Part # 292172-8
CT POST HDR ASSY 8P IN-TUBE BL



TE Part # 292173-8
CT BOX HDR H SMT 8P O/TAPE BLA



TE Part # 292175-8
CT BOX HDR V SMT 8P O/TAPE NAT



TE Part # 6-292170-8
CT P/HDR ASSY 8P V W/O KINK T



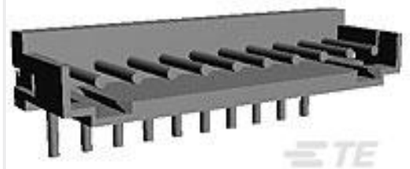
TE Part # 292254-8
CT RELAY HDR ASSY 8P NAT



TE Part # 2-292175-8
CT BOX HDR V SMT 8P O/TAPE BLA



TE Part # 6-292254-8
CT RELAY HDR ASSY 8P BLACK

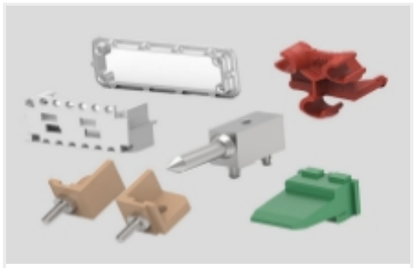


TE Part # 6-292168-8
CT P/HDR ASSY 8P H W/O KINK TU

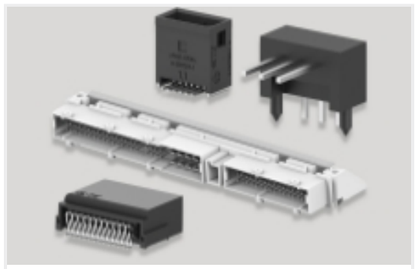
Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(39)



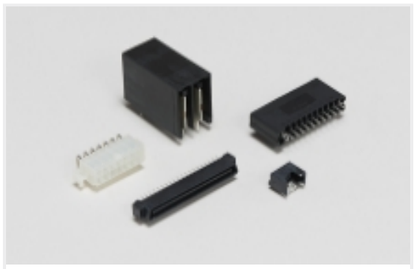
PCB Headers & Receptacles(735)



Rectangular Connector Housings(55)



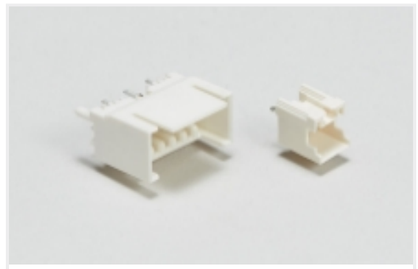
Rectangular Power Connectors(861)



Standard Rectangular Connectors(209)



Wire-to-Board Connector Assemblies & Housings(146)



Wire-to-Board Headers & Receptacles (735)

Customers Also Bought



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



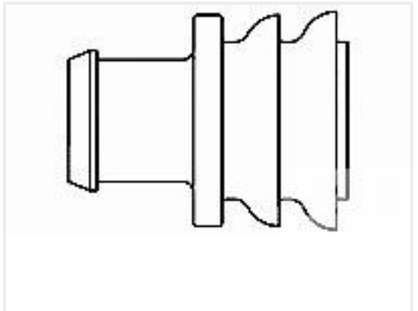
TE Part #DT06-2S
PLG, 2P, GRY, N



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



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



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_6-173977-8_M.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-173977-8_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-173977-8_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