2-173977-5 ✔ ACTIVE

AMP CT

TE Internal #: 2-173977-5

5 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: **5**

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	5
Number of Rows	1

Electrical Characteristics

Termination Resistance	5 mΩ

Body Features

Primary Product Color	Blue

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

Dimensions

	2 in

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Product Compliance

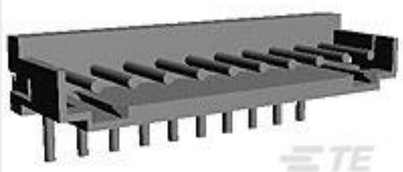
For compliance documentation, visit the product page on TE.com>

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

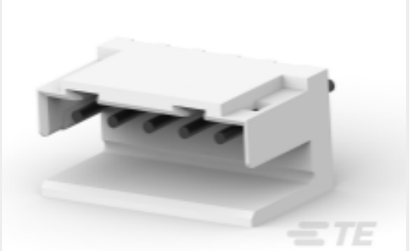
Compatible Parts



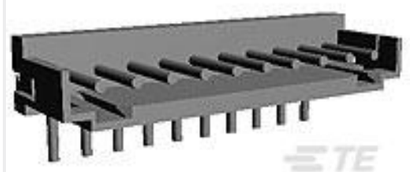
TE Part # 2-292168-5
CT P/HDR ASSY 5P H W/O KINK TU



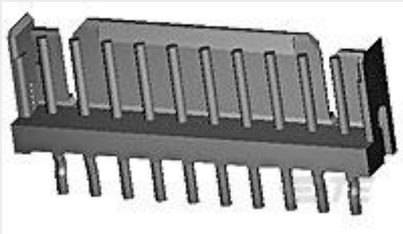
TE Part # 2-173985-5
AMP CT MT AMP-IN HDR-V NAT 5P



TE Part # 292132-5
CT P/HDR BOX V 5P NAT



TE Part # 2-292253-5
CT HDR ASSY H 5P BLUE



TE Part # 2-292161-5
CT P/HDR ASSY V 5P W/KINK BLUE



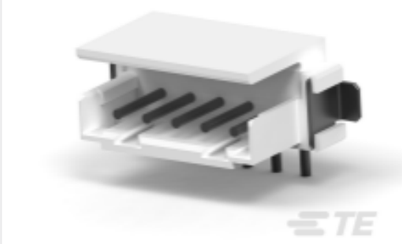
TE Part # 2-292254-5
CT RELAY HDR ASSY 5P BLUE



TE Part # 292253-5
CT CONN MT HDR ASSY H 5P NAT



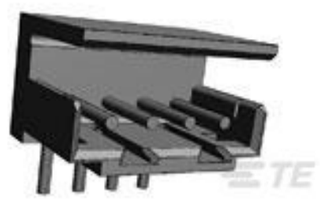
TE Part # 292173-5
CT BOX HDR H SMT 5P O/TAPE BLA



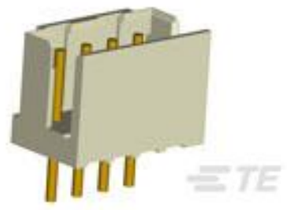
TE Part # 292175-5
CT BOX HDR V SMT 5P O/TAPE NAT



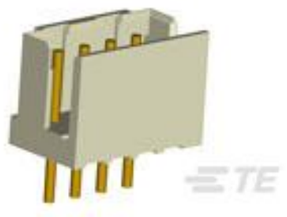
TE Part # 58372-1
HEAD (IDC) 2MM C.T. W/O TL



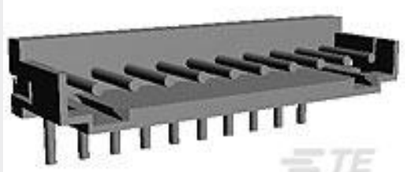
TE Part # 2-292250-5
CT P/HDR BOX H ASSY 5P W/KINK



TE Part # 2-292165-5
CT P/HDR BOX V 5P T/P BLUE



TE Part # 2-292132-5
CT P/HDR BOX V 5P BLUE



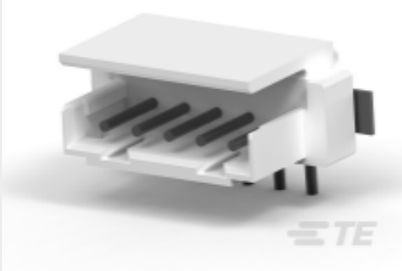
TE Part # 2-292143-5
CT POST HDR ASSY 5P H W/O KINK



TE Part # 292161-5
CT P/HDR ASSY V 5P W/KINK NAT



TE Part # 292250-5
CT P/HDR BOX H ASSY 5P W/KINK



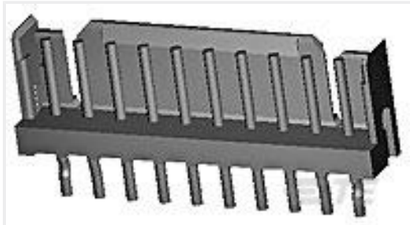
TE Part # 292174-5
CT BOX HDR V SMT 5P O/TAPE NAT



TE Part # 292254-5
CT RELAY HDR ASSY 5P NAT



TE Part # 2-173983-5
AMP CT MT AMP-IN HDR-H YEL 5P

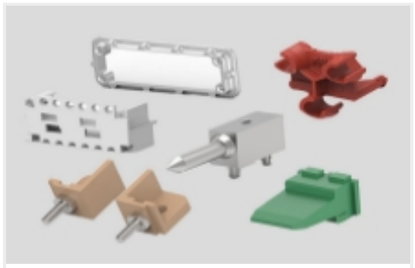


TE Part # 2-292170-5
CT P/HDR ASSY 5P V W/O KINK T

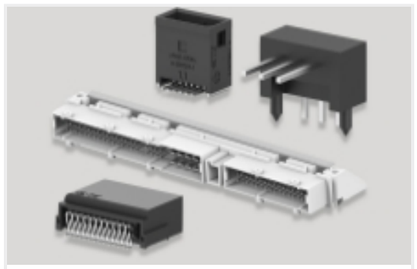
Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(39)



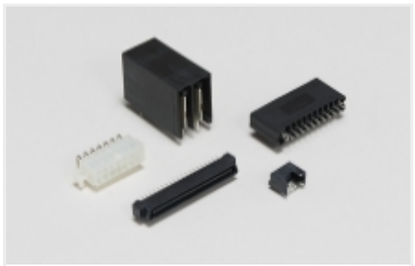
PCB Headers & Receptacles(735)



Rectangular Connector Housings(55)



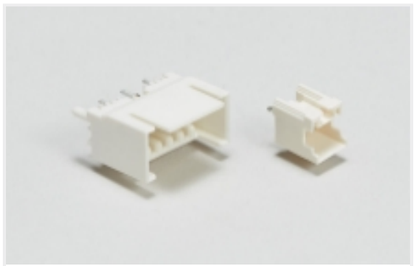
Rectangular Power Connectors(861)



Standard Rectangular Connectors(209)

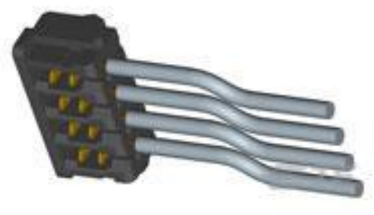


Wire-to-Board Connector Assemblies & Housings(146)



Wire-to-Board Headers & Receptacles (735)

Customers Also Bought



TE Part #2-179694-5
CT MT REC ASSY 5P GRAY

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_2-173977-5_M.2d_dxf.zip
English

3D PDF
3D

Customer View Model
ENG_CVM_CVM_2-173977-5_M.3d_igs.zip
English

Customer View Model
ENG_CVM_CVM_2-173977-5_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