

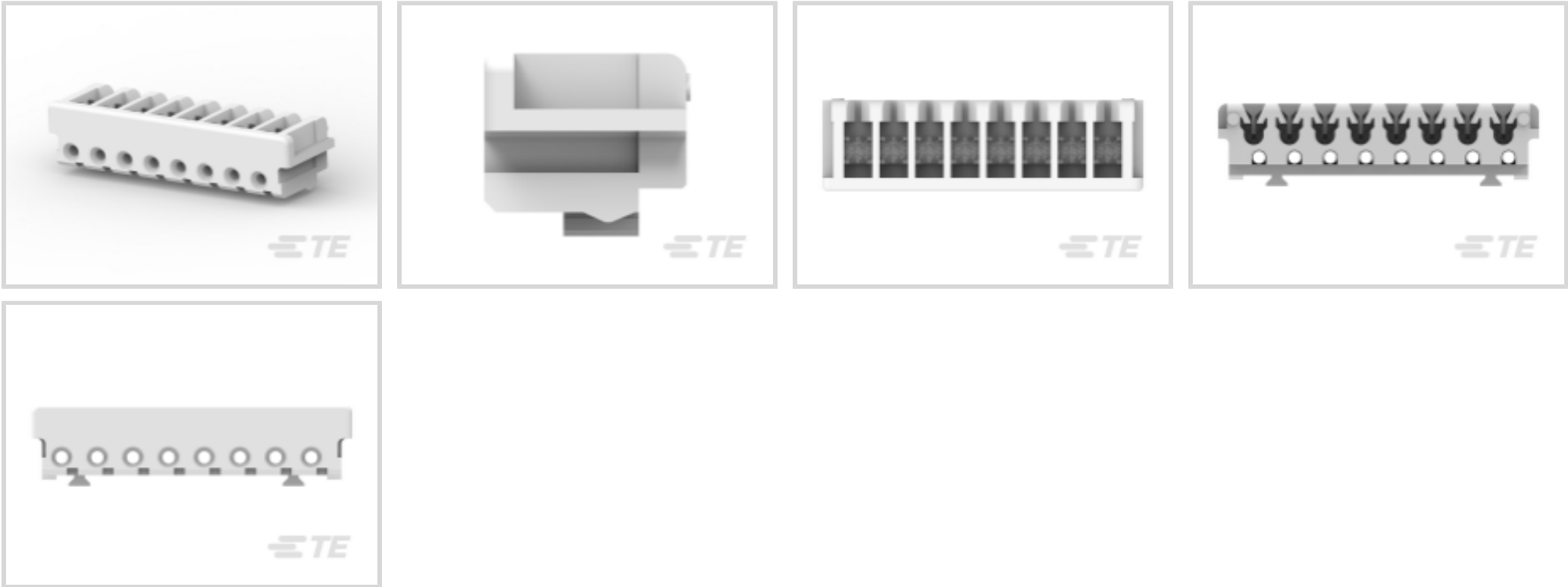


AMP CT

TE Internal #: 173977-8
Connector Assembly, Receptacle, Insulation Displacement (IDC),
Wire-to-Board, 8 Position, AMP CT, Rectangular Wire & Cable
Connectors & Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors > AMP COMMON TERMINATION HOUSINGS



Connector Product Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Mating Retention: **Without**
Termination Method to Wire & Cable: **Insulation Displacement (IDC)**
Connector System: **Wire-to-Board**

[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	8
Number of Rows	1

Body Features

Primary Product Color	Natural
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Contact Features

Contact Current Rating (Max)	2 A
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Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

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

Housing Features

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

Usage Conditions

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

Circuit Application	Power & Signal
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Product Compliance

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

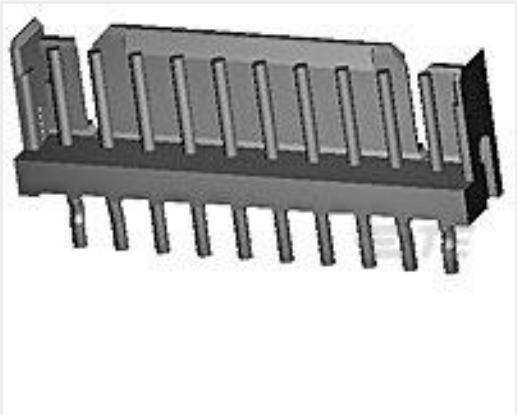
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not 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

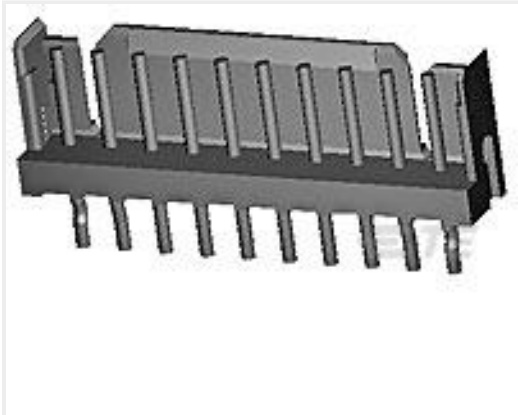
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



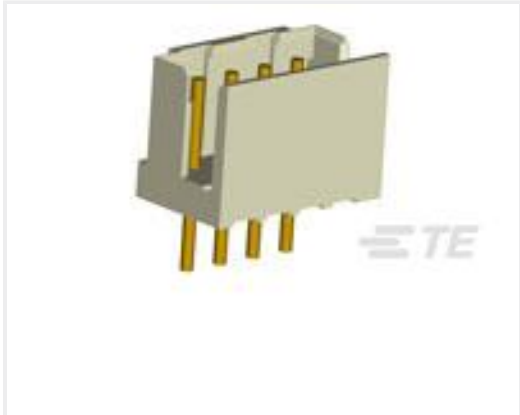
Compatible Parts



TE Part # 292146-8
CT P/HDR ASSY V 8P GF NAT



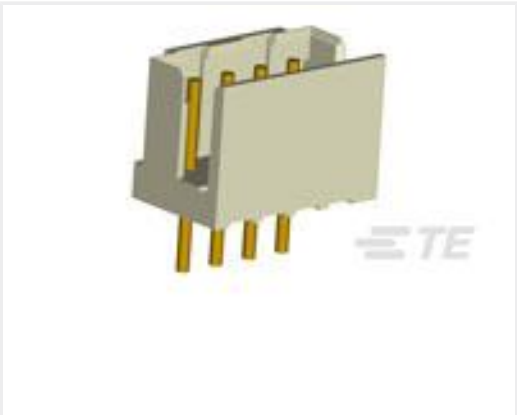
TE Part # 292169-8
CT P/HDR V 8P T/P NAT



TE Part # 292136-8
CT BOX HDR ASSY V 8P NAT GF



TE Part # CAT-3980408-PHDWKV
CT 2mm Post Header Assembly with Kink - Vertical



TE Part # 2-292165-8
CT P/HDR BOX V 8P T/P BLUE



TE Part # 1-179608-6
CT DBL ROW HOLDER,MT,16P,NA



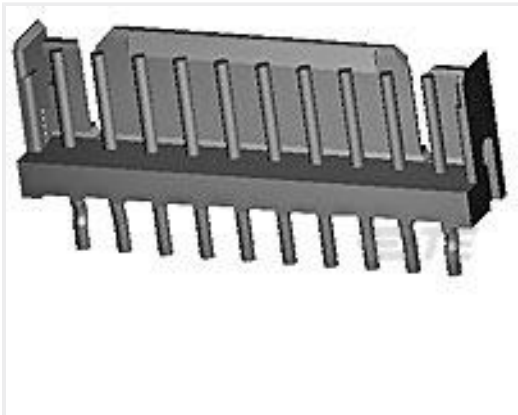
TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 1-176239-6
HOLDER



TE Part # 1-292254-7
CT RELAY HDR ASSY 8P NAT



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



TE Part # 1-175133-6
CT DOUBLE ROW 16P HOLDER NATU.



TE Part # CAT-3984552-BHHSV
CT Box Header SMT: Vert, Shrouded



TE Part # CAT-3983178-PHBXVD
CT 2mm Post Header Asmbly: Box V DIP



TE Part # CAT-3984552-PHITPS
CT Post Header Assembly: Part. Shrouded



TE Part # 175133-8
CT DBL ROW 8P HOLDER 8P NATURA



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



TE Part # 292157-8
CT RELAY W/COMMONING BAR 8P NA



TE Part # 1-84580-6
2MM CT D/R HDR ASSY H/TEMP 16P



TE Part # 292271-8
MT REC ASSY AU-PL. 8P GRAY



TE Part # CAT-3983174-PHBXHK
CT 2mm Post Header Assembly Box H Kink

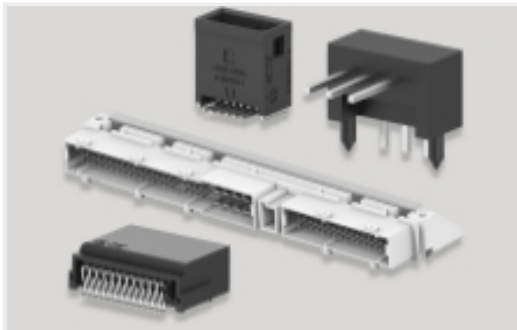
Also in the Series | AMP CT



Connector Contacts(8)



Connector Hardware(46)



PCB Headers & Receptacles(756)



Rectangular Connector Housings(90)



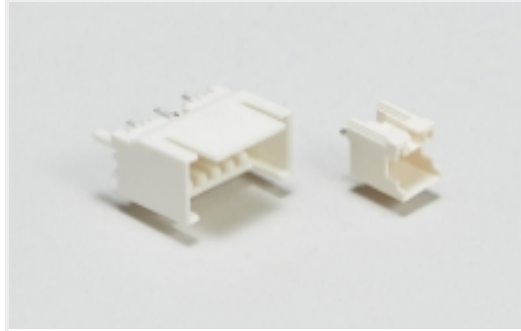
Rectangular Power Connectors(924)



Standard Rectangular Connectors(176)



Wire-to-Board Connector Assemblies & Housings(79)

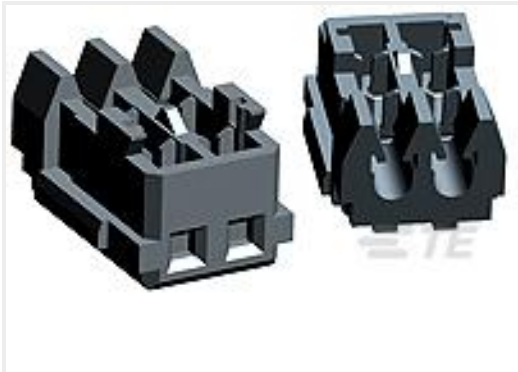


Wire-to-Board Headers & Receptacles (756)

Customers Also Bought



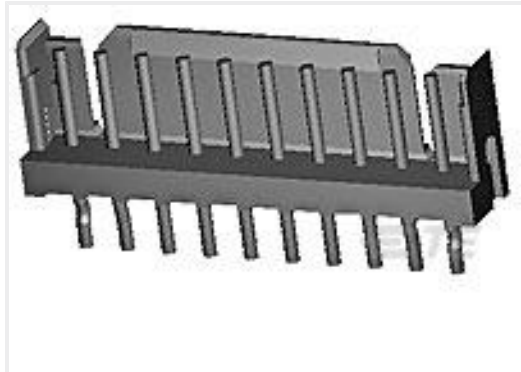
TE Part #CAT-AM7017-H8172
AMP COMMON TERMINATION
HOUSINGS



TE Part #353293-7
MINI CT MT REC ASSY 7P GRAY



TE Part #5747467-2
HD-20 PLUG 9P RA 590



TE Part #1-292161-5
CT P/HDR ASSY V 15P W/KINK NAT

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_173977-8_M.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_173977-8_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_173977-8_M.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

English



Product Specifications

Application Specification

English

Instruction Sheets

MINI PRESS CT CONNECTOR (WAS IS-553J)

Japanese

Instruction Sheet (non U.S.)

Japanese

Agency Approvals

UL Report

English