

173977-7 ✓ ACTIVE

AMP CT

TE Internal #: 173977-7

7 Position, Receptacle, Connector Assembly, Insulation

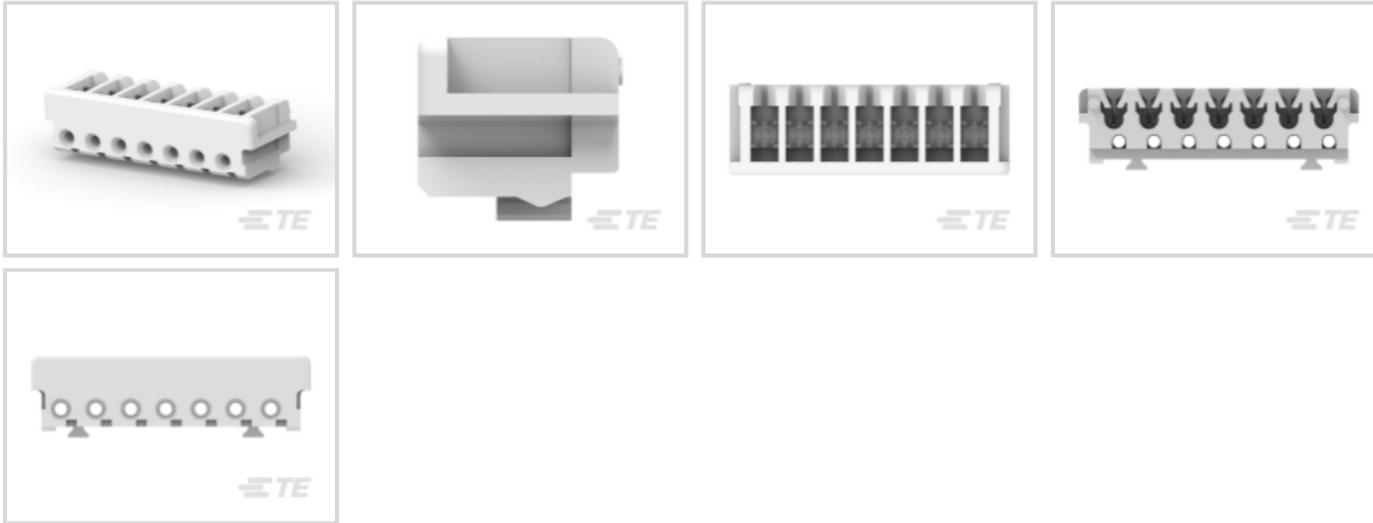
Displacement (IDC), Wire-to-Board, 2 mm [.079 in] Centerline, 1

Row, Wire & Cable, AMP CT

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors > 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 \(150\)](#)

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 |

Body Features

| | |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

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 | PBT GF |

Usage Conditions

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

Operation/Application

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

Product Compliance

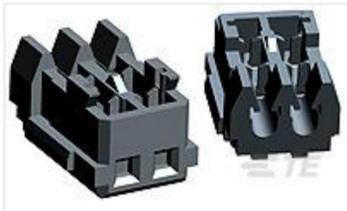
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials 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>

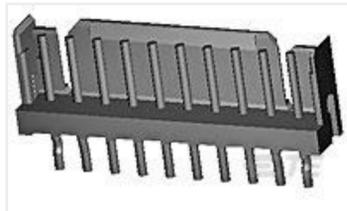
Compatible Parts



TE Part # 292271-7
MT REC ASSY AU-PL. 7P GRAY



TE Part # CAT-AM7017-H342
AMP COMMON TERMINATION HEADERS



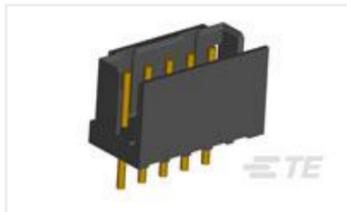
TE Part # 292145-7
CT P/HDR ASSY V 7P W/O KINK NA



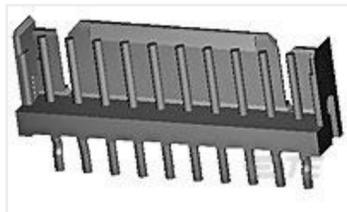
TE Part # CAT-3980407-RHDRRA
CT 2mm Header Assembly: Right Angle



TE Part # 292177-1
MINI DRAWER CONN FOR CT 14P



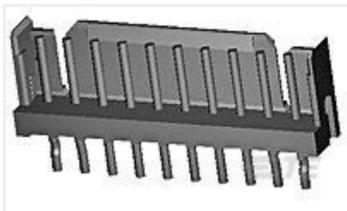
TE Part # 292166-7
CT P/HDR BOX V 7P T/P NAT W/O



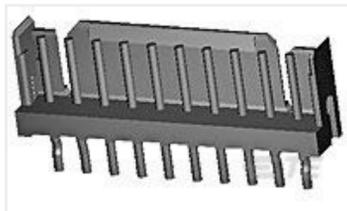
TE Part # 2-292161-7
CT P/HDR ASSY V 7P W/KINK BLUE



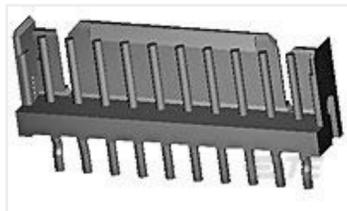
TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 292170-7
CT P/HDR ASSY 7P V W/O KINK T



TE Part # 6-292170-7
CT P/HDR ASSY 7P V W/O KINK T



TE Part # 292169-7
CT P/HDR V 7P T/P NAT



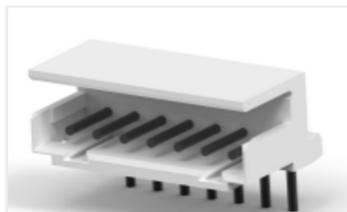
TE Part # 292164-7
CT P/HDR BOX H ASSY 7P T/P NAT



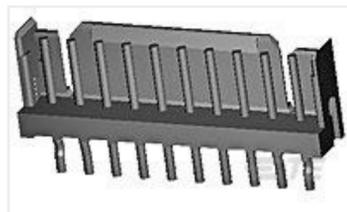
TE Part # 292254-7
CT RELAY HDR ASSY 7P NAT



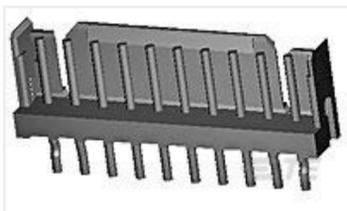
TE Part # 292133-7
CT P/HDR ASSY BOX V 7P W/O KIN



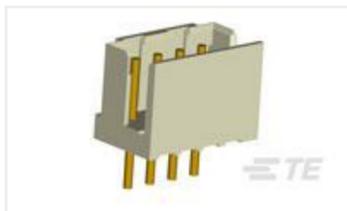
TE Part # 292250-7
CT P/HDR BOX H ASSY 7P W/KINK



TE Part # 6-292145-7
CT P/HDR ASSY V 7P W/O KINK BL



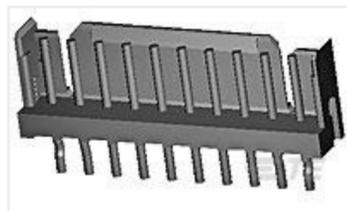
TE Part # 4-292170-7
CT P/HDR ASSY 7P V W/O KINK T



TE Part # 292136-7
CT BOX HDR ASSY V 7P NAT GF



TE Part # 8-292260-7
CT P/HDR BOX H ASSY 7P T/P BLA



TE Part # 2-292145-7
CT P/HDR ASSY V 7P W/O KINK BL

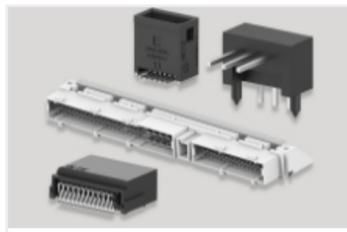
Also in the Series | **AMP CT**



Connector Contacts(8)



Connector Hardware(39)



PCB Headers & Receptacles(739)



Rectangular Connector Housings(74)



Rectangular Power Connectors(883)



Standard Rectangular Connectors(228)



Wire-to-Board Connector Assemblies & Housings(165)

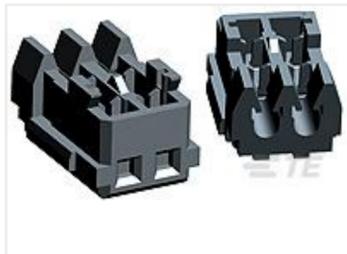


Wire-to-Board Headers & Receptacles (739)

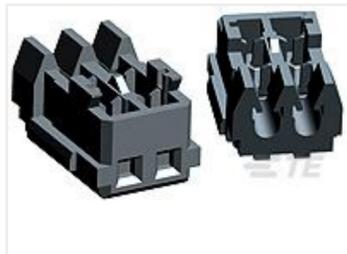
Customers Also Bought



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



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



TE Part #1-353293-4
MINI CT MT REC ASSY 14P GRAY



TE Part #1-353293-6
MINI CT MT REC ASSY 16P GRAY



TE Part #2-353293-5
1.5MM CT MT REC ASS'Y 5P BLACK



TE Part #3-353293-0
1.5MM CT MT REC ASSY 10P BLACK



TE Part #3-353293-7
1.5MM CT MT REC ASSY 17P BLACK

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_173977-7_M.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_173977-7_M.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_173977-7_M.3d_stp.zip](#)

English

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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

[CSA Certificate](#)

English

[CSA Certificate](#)

English