

2-173977-8 ✓ ACTIVE

## AMP CT

TE Internal #: 2-173977-8

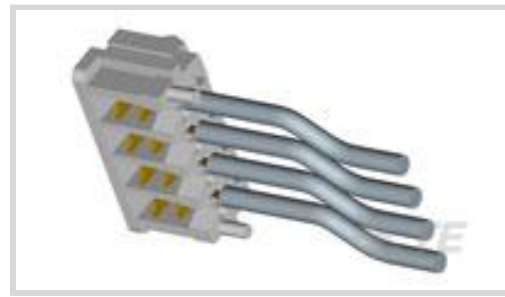
Connector Assembly, Receptacle, Wire-to-Board, 8 Position, 2 mm [.079 in] Centerline, Insulation Displacement (IDC), 1 Row, Blue, Wire & Cable, AMP CT

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[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: **8**

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

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

## Features

### Electrical Characteristics

|                        |      |
|------------------------|------|
| Termination Resistance | 8 mΩ |
|------------------------|------|

### Dimensions

|  |      |
|--|------|
|  | 2 in |
|--|------|

### Housing Features

|                  |        |
|------------------|--------|
| Housing Material | PBT GF |
|------------------|--------|

|                    |               |
|--------------------|---------------|
| Centerline (Pitch) | 2 mm[.079 in] |
|--------------------|---------------|

### 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 | 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) |

### Usage Conditions

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

### Operation/Application

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

### Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

### Product Compliance

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

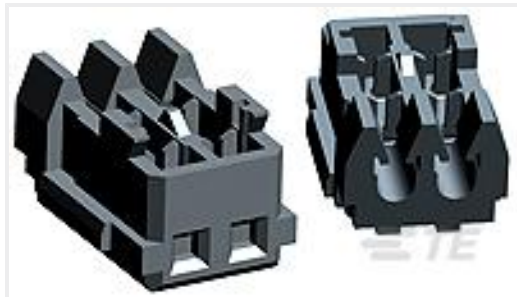
|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

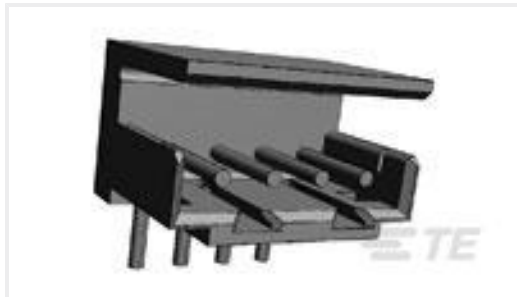
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



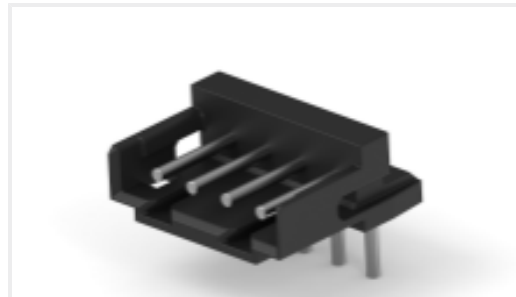
TE Part # 5-292271-8  
MT REC ASSY AU-PL. 8P BLUE



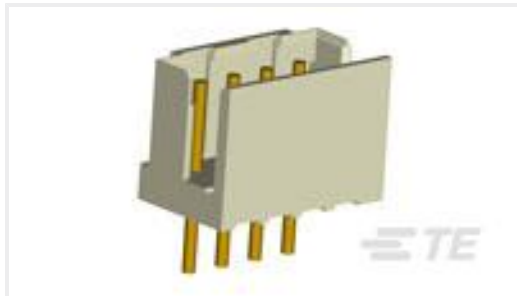
TE Part # 2-292164-8  
CT P/HDR BOX H ASSY 8P T/P BLU



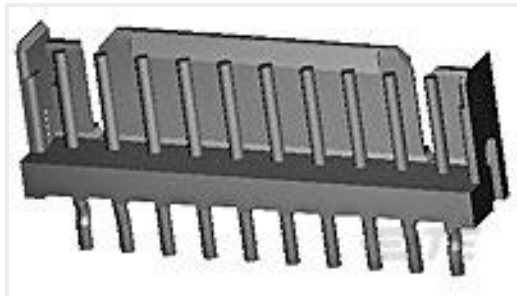
TE Part # 2-173985-8  
AMP CT MT AMP-IN HDR-V BLU 8P



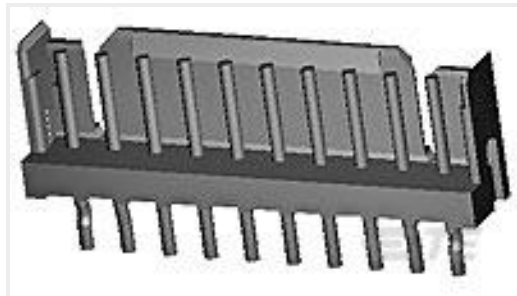
TE Part # CAT-3980407-RHDRRA  
CT 2mm Header Assembly: Right Angle



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



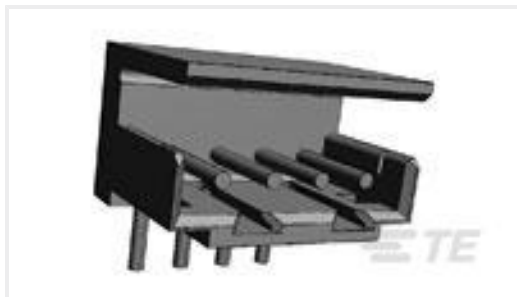
TE Part # 2-292145-8  
CT P/HDR ASSY V 8P W/O KINK BL



TE Part # 2-292161-8  
CT P/HDR ASSY V 8P W/KINK BLUE



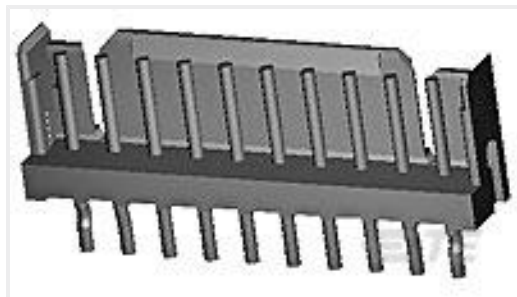
TE Part # 58074-1  
MTA 50/100/156 MANUAL TOOL FRAME



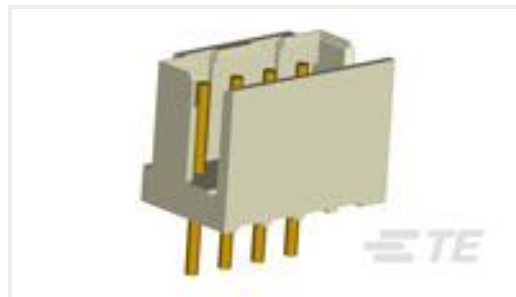
TE Part # 2-292250-8  
CT P/HDR BOX H ASSY 8P W/KINK



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



TE Part # 2-292170-8  
CT P/HDR ASSY 8P V W/O KINK T



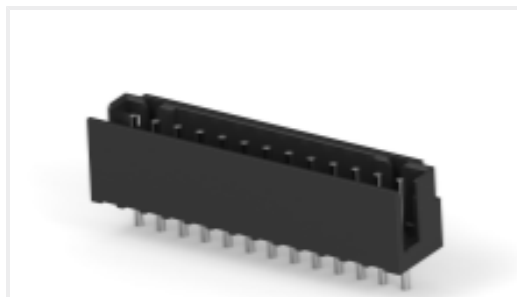
TE Part # 2-292136-8  
CT BOX HDR ASSY V 8P BLUE GF



TE Part # 2-292254-8  
CT RELAY HDR ASSY 8P BLUE



TE Part # 2-173983-8  
AMP CT MT AMP-IN HDR-H YEL 8P



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



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

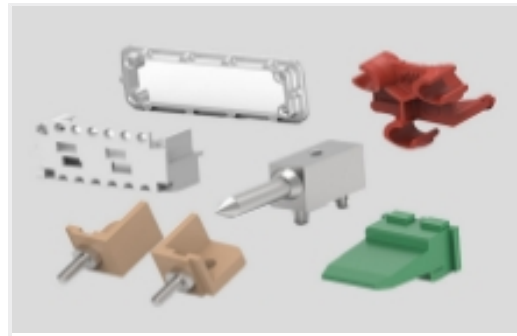


TE Part # 58372-1  
HEAD (IDC) 2MM C.T. W/O TL

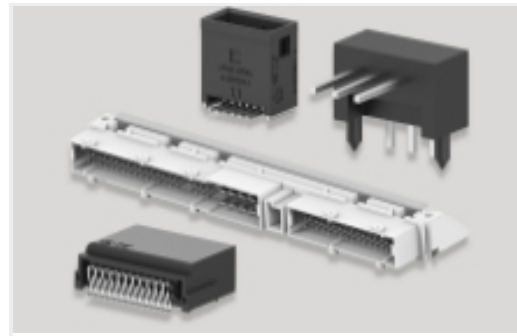
### Also in the Series | AMP CT



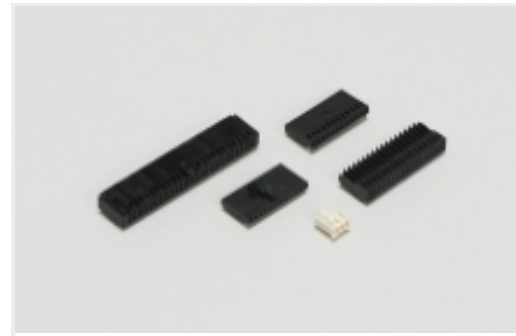
Connector Contacts(8)



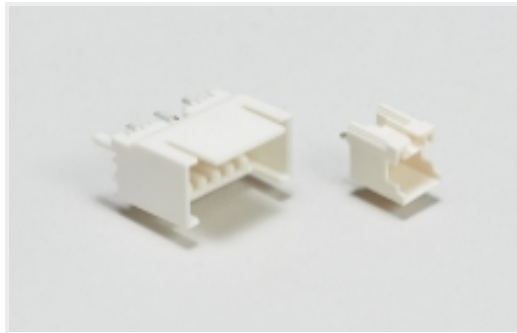
Connector Hardware(46)



PCB Headers & Receptacles(756)



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



Wire-to-Board Headers & Receptacles (756)

### Customers Also Bought



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



TE Part #206070-8  
CABLE CLAMP KIT #17



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



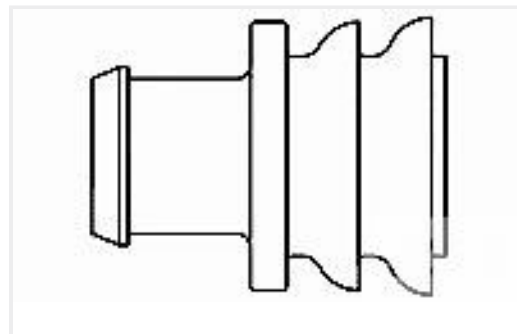
TE Part #DT06-2S  
PLG, 2P, GRY, N



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



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #281934-2  
SINGLE WIRE SEAL



## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2-173977-8\\_M.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-173977-8\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-173977-8\\_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