



AMP CT

TE Internal #: 6-173977-6

Connector Assembly, Receptacle, Wire-to-Board, 6 Position, 2 mm [.079 in] Centerline, Insulation Displacement (IDC), 1 Row, Black, 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: **6**  
Centerline (Pitch): **2 mm [.079 in]**

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

Features

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 | 6 |
| 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) |

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                                                                                    |

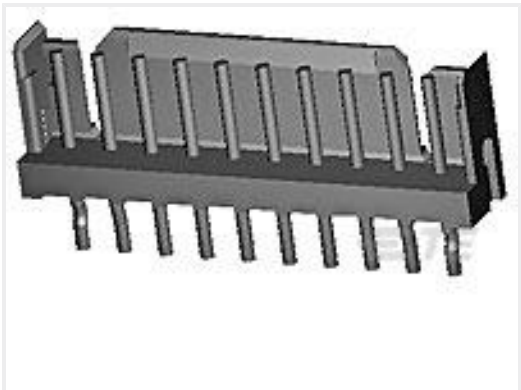
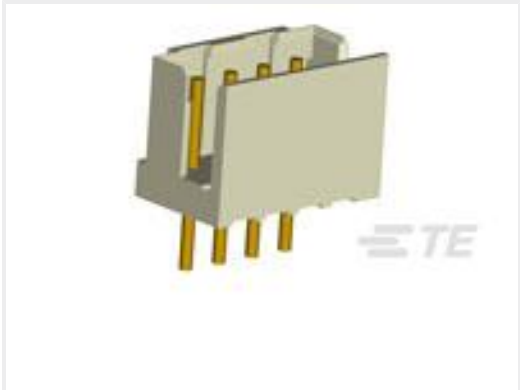
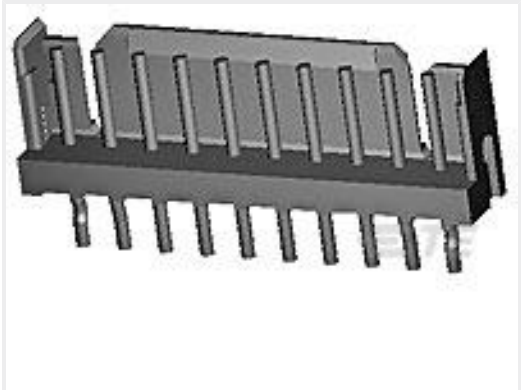
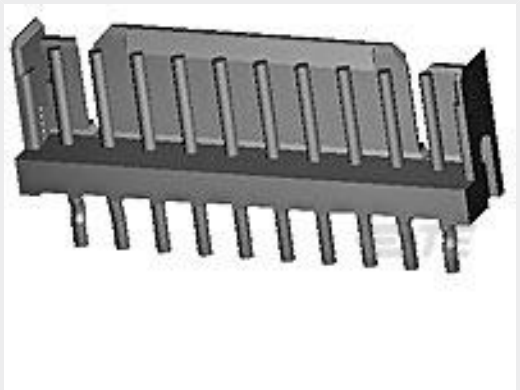
Product Compliance Disclaimer

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

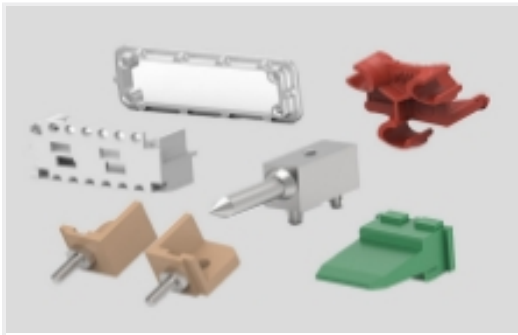
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|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 292254-6<br/>CT RELAY HDR ASSY 6P NAT</p>          |  <p>TE Part # 6-292161-6<br/>CT P/HDR ASSY V 6P W/KINK BLAC</p>             |  <p>TE Part # 58074-1<br/>MTA 50/100/156 MANUAL TOOL FRAME</p>                |  <p>TE Part # CAT-3983174-PHBXHK<br/>CT 2mm Post Header Assembly Box H Kink</p>   |
|  <p>TE Part # 6-292165-6<br/>CT P/HDR BOX V 6P T/P BLACK</p>    |  <p>TE Part # 6-292145-6<br/>CT P/HDR ASSY V 6P W/O KINK BL</p>            |  <p>TE Part # 6-292170-6<br/>CT P/HDR ASSY 6P V W/O KINK T</p>               |  <p>TE Part # CAT-3984552-PHITPS<br/>CT Post Header Assembly: Part. Shrouded</p> |
|  <p>TE Part # 6-292156-6<br/>CT RELAY HDR ASSY FREE HANGING</p> |  <p>TE Part # CAT-3984552-BHTHVS<br/>CT Box Header SMT: Vert, Shrouded</p> |  <p>TE Part # 6-292254-6<br/>CT RELAY HDR ASSY 6P BLACK</p>                  |  <p>TE Part # CAT-3983178-PHBXVD<br/>CT 2mm Post Header Asmbly: Box V DIP</p>    |
|  <p>TE Part # 58372-1<br/>HEAD (IDC) 2MM C.T. W/O TL</p>        |  <p>TE Part # CAT-AM7017-H342<br/>AMP COMMON TERMINATION HEADERS</p>       |  <p>TE Part # CAT-3980407-RHDRRA<br/>CT 2mm Header Assembly: Right Angle</p> |                                                                                                                                                                       |

Also in the Series | AMP CT

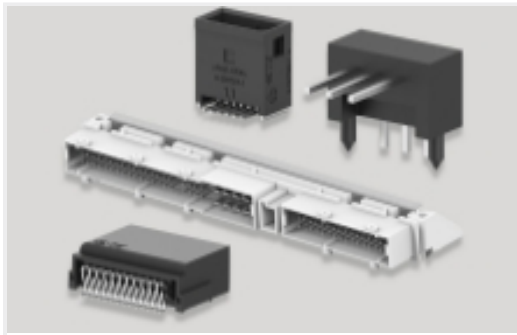




Connector Contacts(8)



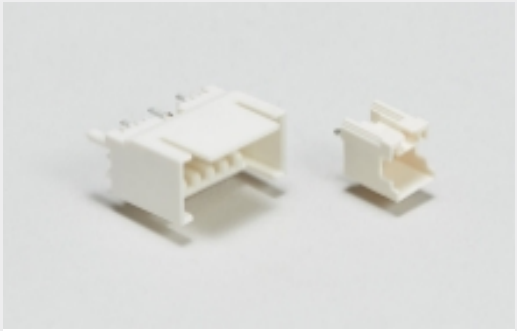
Connector Hardware(46)



PCB Headers & Receptacles(756)



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



Wire-to-Board Headers & Receptacles (756)

Customers Also Bought



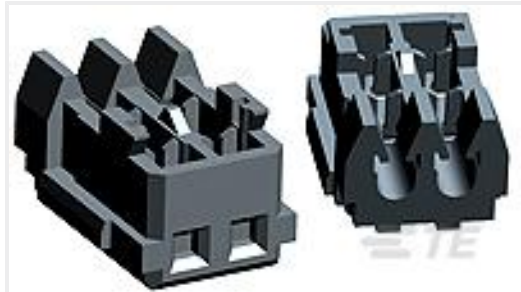
TE Part #292174-4  
CT BOX HDR V SMT 4P O/TAPE NAT



TE Part #6-173977-3  
CT CONN MT REC ASSY 3P BLACK



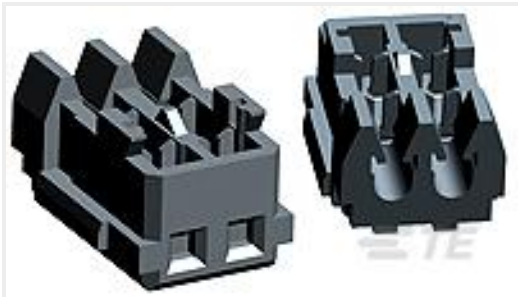
TE Part #292230-6  
1.5 MINI CT SGL V SMT W/BOSS 6



TE Part #353293-9  
MINI CT MT REC ASSY 9P GRAY



TE Part #353293-3  
MINI CT MT REC ASSY 3P GRAY



TE Part #5-353293-2  
MINI CT MT REC ASSY 2P BLUE



TE Part #EC0622-000  
06161940



TE Part #EC0619-000  
06161937



TE Part #EC0076-000  
05801936



TE Part #EC0618-000  
06161936

Documents





CAD Files

Customer View Model

ENG\_CVM\_CVM\_6-173977-6\_M.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_6-173977-6\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-173977-6\_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