

6-173977-6 ✓ ACTIVE



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

[View on TE.com >](#)

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>](#)

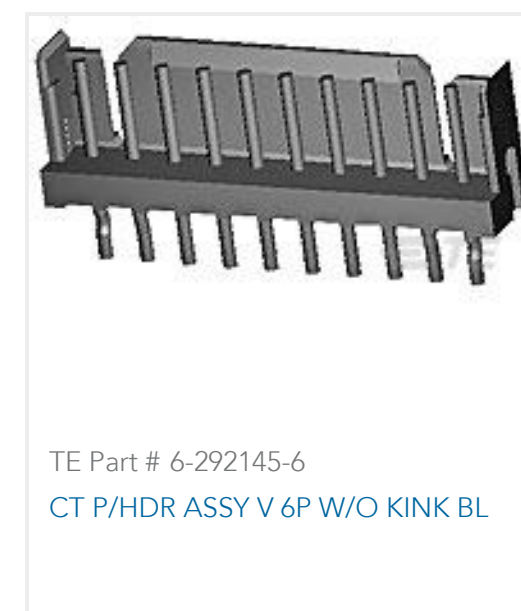
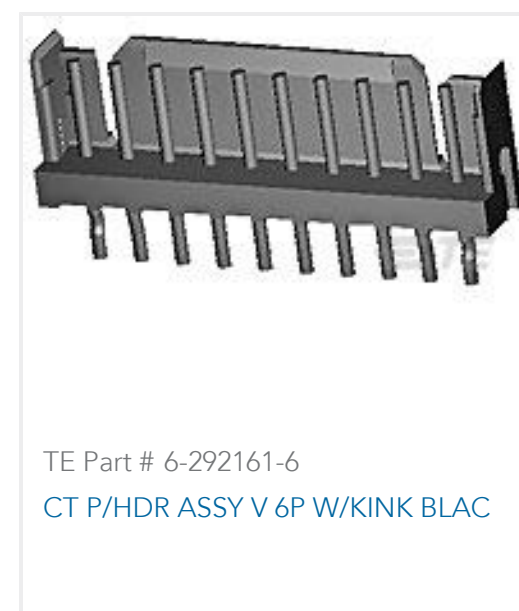
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does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

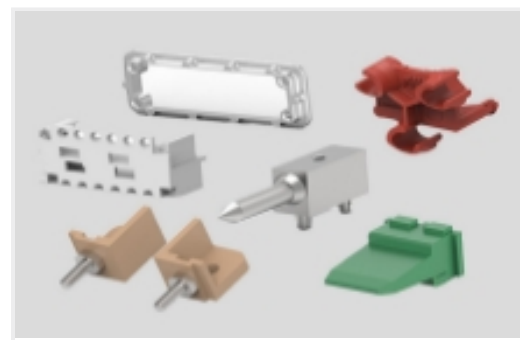
Compatible Parts



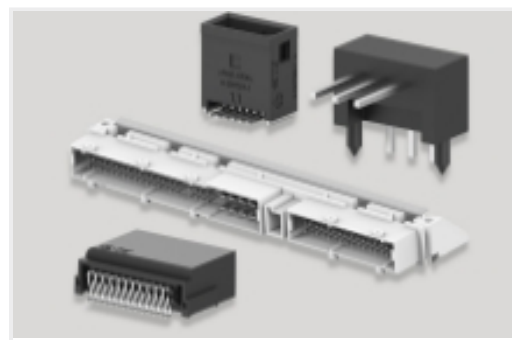
Also in the Series | **AMP CT**



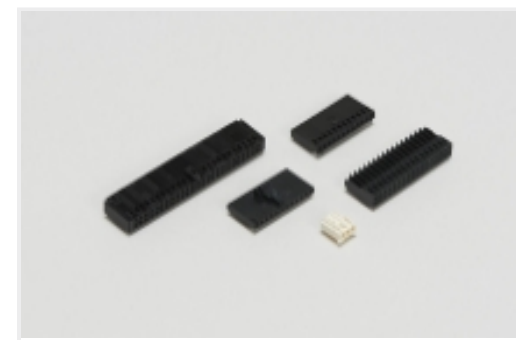
Connector Contacts(8)



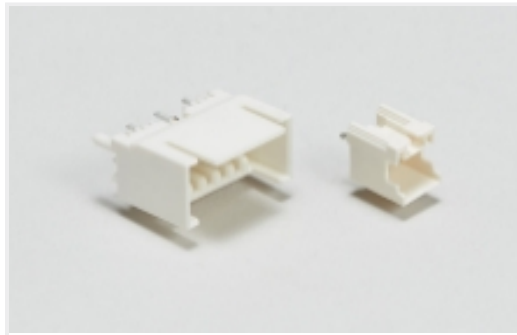
Connector Hardware(46)



PCB Headers & Receptacles(756)

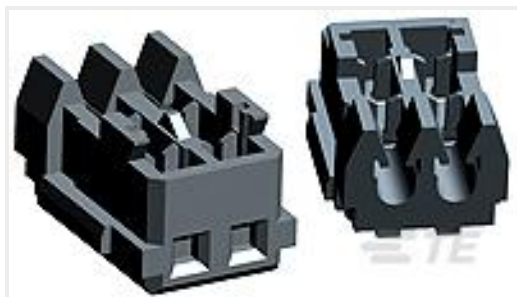


Wire-to-Board Connector Assemblies & Housings(255)

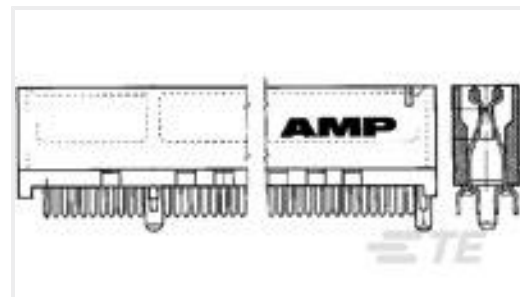


Wire-to-Board Headers & Receptacles (756)

Customers Also Bought



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



TE Part #5650090-2
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



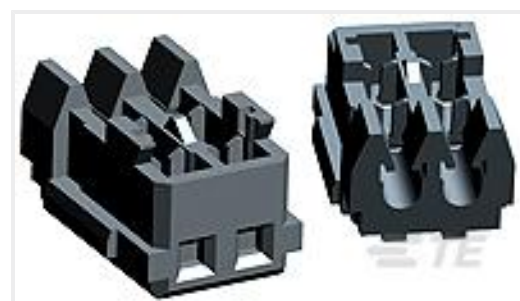
TE Part #292227-2
1.5 MINI CT SGL H SMT W BOSS 2



TE Part #1-292227-6
1.5 MINI CT SGL H SMT W BOSS 1



TE Part #1-292207-6
MINI CT SGL DIP V 16P NAT



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



TE Part #163300-8
MATENLOK SOCKET



TE Part #1-292227-4
1.5 MINI CT SGL H SMT W BOSS 1



TE Part #1-292227-0
1.5 MINI CT SGL H SMT W BOSS 1



TE Part #1-292227-2
1.5 MINI CT SGL H SMT W BOSS 1

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