



**AMP CT**

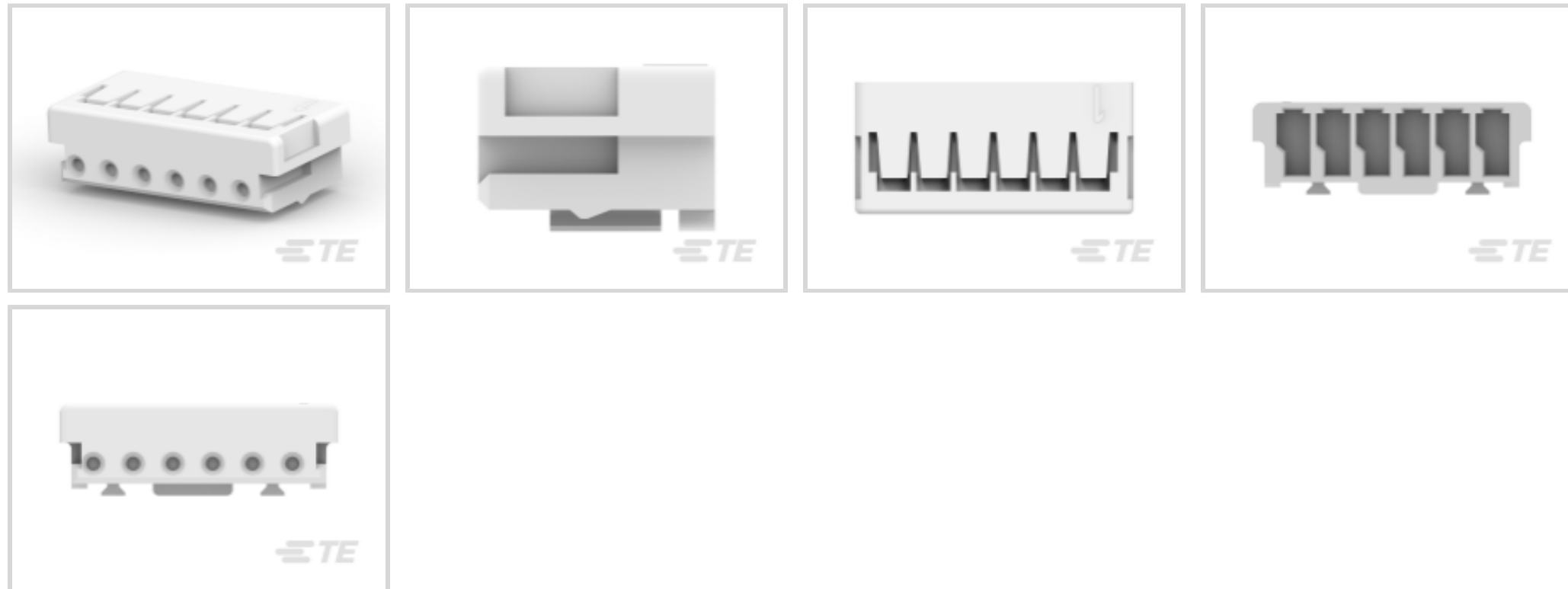
TE Internal #: 179228-6

Housing, Receptacle, Wire-to-Board / Wire-to-Wire, 6 Position, 2 mm [.079 in] Centerline, Crimp, 1 Row, Natural, Wire & Cable, Power & Signal, 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: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board, Wire-to-Wire**

Number of Positions: **6**

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

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

**Features**

**Product Type Features**

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

**Configuration Features**

Number of Positions	6
Number of Rows	1

**Electrical Characteristics**

Dielectric Withstanding Voltage (Max)	2000 VAC
Insulation Resistance	1000 MΩ
Operating Voltage	125 VAC



### Contact Features

Contact Layout	Inline
Contact Type	Socket
Contact Current Rating (Max)	4 A

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

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

### Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2 mm [.079 in]
Housing Color	Natural

### Dimensions

Connector Length	14 mm [.551 in]
Connector Height	6.6 mm [.26 in]
Connector Width	4.6 mm [.181 in]
Wire Size	30 – 22 AWG

### 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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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0
UL File Number	E28476
Agency/Standard	CSA, UL
CSA File Number	LR 7189

### Packaging Features



Packaging Quantity	2500
Packaging Method	Bag & Box

### 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # CAT-AM7017-C7671  
AMP COMMON TERMINATION CONTACTS



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



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



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



TE Part # 292156-6  
CT RELAY HDR ASSY FREE HANGING



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



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



TE Part # 292250-6  
CT P/HDR BOX H ASSY 6P W/KINK DIP



TE Part # 1-179472-2  
HOLDER FOR CT D/ROW CRIMP 12P



TE Part # 292254-6  
CT RELAY HDR ASSY 6P NAT



TE Part # 292133-6  
CT P/HDR ASSY BOX V 6P W/O KIN



TE Part # 292134-6  
CT BOX HDR ASSY V 6P AU W/KINK



TE Part # 292157-6  
CT RELAY W/COMMONING BAR 6P NA



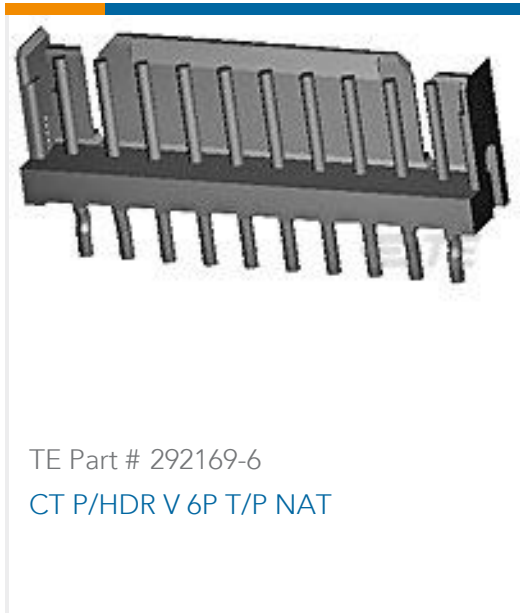
TE Part # 292164-6  
CT P/HDR BOX H ASSY 6P T/P NAT



TE Part # 292165-6  
CT P/HDR BOX V 6P T/P NAT



TE Part # 292166-6  
CT P/HDR BOX V 6P T/P NAT W/O



TE Part # 292169-6  
CT P/HDR V 6P T/P NAT



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



TE Part # 292271-6  
MT REC ASSY AU-PL. 6P GRAY

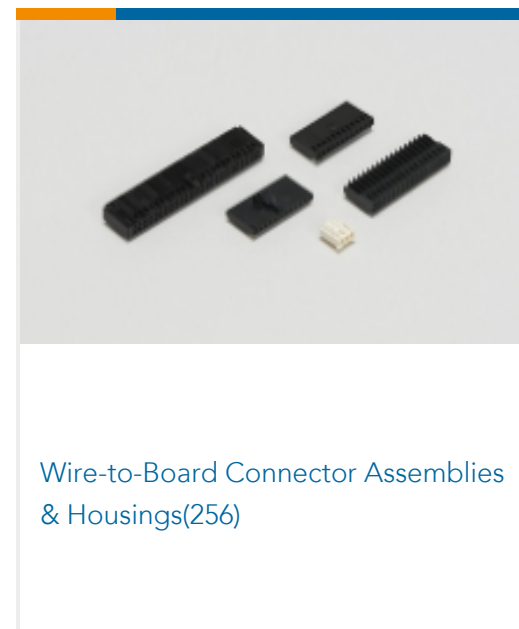
Also in the Series | AMP CT



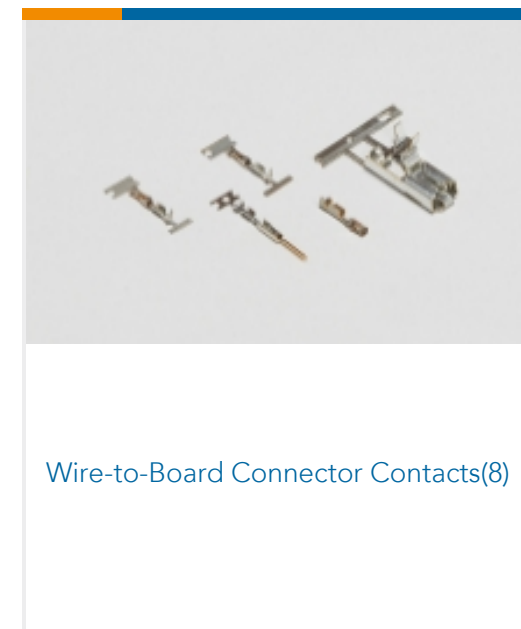
PCB Connector Mounting(46)



PCB Headers & Receptacles(756)



Wire-to-Board Connector Assemblies & Housings(256)



Wire-to-Board Connector Contacts(8)

Documents



## Product Drawings

### CRIMP TYPE II RECPT HSG

English

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## CAD Files

### 3D PDF

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_179228-6\\_N1.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_179228-6\\_N1.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_179228-6\\_N1.3d\\_stp.zip](#)

English

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

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## Datasheets & Catalog Pages

### POWER\_CONNECTORS\_CATALOG\_SEC02\_CABLE\_MOUNTED

English

### 2.0MM\_AMP\_CT\_CONNECTOR\_SERIES\_QUICK\_REF\_GUIDE

English

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## Product Specifications

### Crimping of AMP 2.0mm Pitch, CT Crimp Typell Rec Contact

English

### Application Specification

English

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## Product Environmental Compliance

### MD\_179228-6\_04242018940\_dmtec

English

### MD\_179228-6\_04242018940\_dmtec

English

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## Agency Approvals

### Agency Approval Document

English