



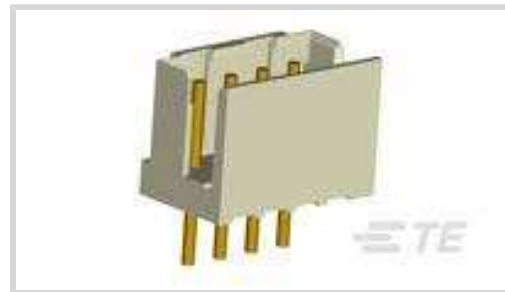
AMP CT

TE Internal #: 292251-5

AMP CT, PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2mm [.079in] Centerline, 1 Row, Tin, Natural, Shrouded, Printed Circuit Board

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **5**

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

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type | PCB Mount Header |
| Connector System | Wire-to-Board |
| Header Type | Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 5 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 125 VAC |
|-------------------|---------|

Contact Features

| | |
|---|-----------------|
| Contact Layout | Inline |
| Contact Mating Area Length | 4.2 mm[.165 in] |
| Contact Retention Within Housing | Without |
| PCB Contact Termination Area Plating Material Thickness | 1 μm[39.37 μin] |
| Mating Pin Diameter | .6 mm[.024 in] |
| Contact Shape & Form | Round |



| | |
|--|-----------------|
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Tin |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 1 µm[39.37 µin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 4 A |

Termination Features

| | |
|---|-----------------------|
| Round Termination Post & Tail Diameter | .6 mm[.024 in] |
| Termination Post & Tail Length | 3.2 mm[.126 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|----------------|
| PCB Mount Alignment Type | Locating Posts |
| PCB Mount Retention Type | Boardlock |
| PCB Mount Alignment | With |
| Mating Retention | Without |
| PCB Mount Retention | With |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|---------------|
| Centerline (Pitch) | 2 mm[.079 in] |
| Housing Color | Natural |
| Housing Material | Nylon 66 |

Dimensions

| | |
|-----------------------------|-----------------------|
| Connector Length | 11.8 mm[.4645 in] |
| Connector Height | 6.8 mm[.267 in] |
| Connector Width | 5.8 mm[.228 in] |
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |
| Wire Size | 28 – 22 AWG |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 105 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
|--------------------------|----------------------|



Circuit Application

Power & Signal

Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

500

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: JAN 2020 (205)
Candidate List Declared Against: JAN 2018 (181)
Does not contain REACH SVHC

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2020 (205)
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Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Wave solder capable to 265°C

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 179227-4
AMP CT CRIMP-2 REC CONT AU




TE Model / Part # 173977-5
CT CONN MT REC ASSY 5P



TE Model / Part # 353918-1
CT 1.5MM REC CONT CRIMP TYPE


Also in the Series | AMP CT



PCB Connector Mounting(46)



Wire-to-Board Connector Assemblies & Housings(226)



Wire-to-Board Connector Contacts(8)



Wire-to-Board Headers & Receptacles (753)

Customers Also Bought



TE Model / Part #1612257-7
REC ASSY 7P ,MINI CT DC DRAWER



TE Model / Part #292251-8
CT P/HDR BOX V 8P POL NAT



TE Model / Part #170225-1
RING TERMINAL



TE Model / Part #1-1612257-2
REC ASSY 12P ,MINI CT DC DRAWER



TE Model / Part #1-1612256-2
PLUG ASSY 12P ,MINI CT DC DRAWER



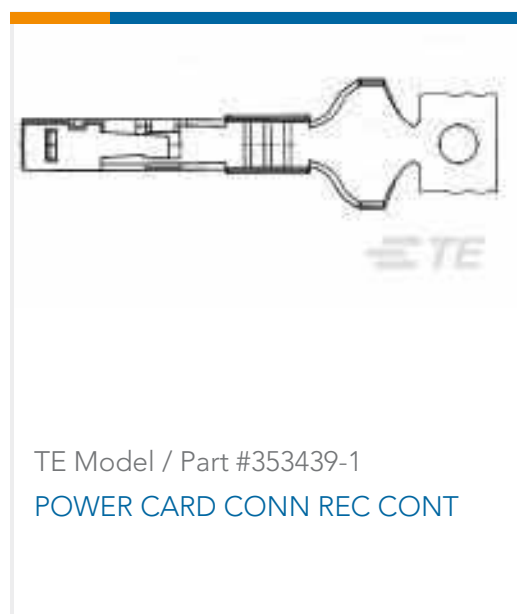
TE Model / Part #292251-6
CT P/HDR BOX V 6P POL NAT



TE Model / Part #1-179317-2
HYBRID MINI DRAWER REC CONT.



TE Model / Part #292251-7
CT P/HDR BOX V 7P POL NAT



Documents

Product Drawings

[CT P/HDR BOX V 5P POL NAT](#)

English

CAD Files

Customer View Model

[ENG_CVM_292251-5_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_292251-5_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_292251-5_B.2d_dxf.zip](#)

English

3D PDF

English

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

Product Specifications

[AMP COMMON TERMINATION \(CT\), CONNECTOR, 2mm PITCH, M/T TYPE, LEAD FREE VERSION](#)

Japanese

[Product Specification](#)

Japanese

Product Environmental Compliance

[CT P/HDR BOX V 5P POL NAT](#)

English

[CT P/HDR BOX V 5P POL NAT](#)

English