

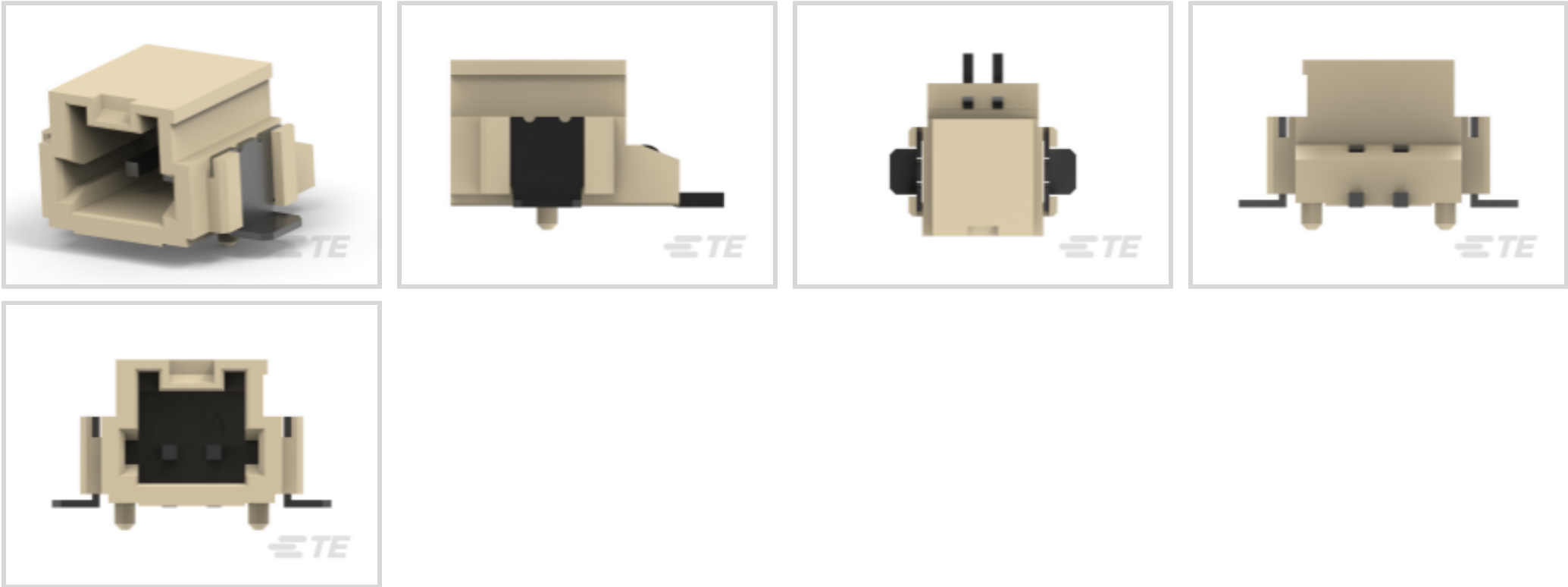


AMP Mini CT

TE Internal #: 292227-2  
AMP Mini CT, PCB Mount Header, Right Angle, Wire-to-Board, 2  
Position, .059 in [1.5 mm] Centerline, Fully Shrouded, Pre-Tin,  
Surface Mount, Signal

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > MINI COMMON TERMINATION HEADERS



Connector System: **Wire-to-Board**  
Number of Positions: **2**  
Number of Rows: **1**  
Centerline (Pitch): **1.5 mm [ .059 in ]**  
PCB Mount Orientation: **Right Angle**

[All MINI COMMON TERMINATION HEADERS \(205\)](#)

Features

Product Type Features

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

Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 2           |
| Number of Rows        | 1           |
| PCB Mount Orientation | Right Angle |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 50 VAC |
|-------------------|--------|

Body Features

|  |  |
|--|--|
|  |  |
|--|--|



|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Contact Layout                                          | Inline          |
| Contact Mating Area Length                              | 2.4 mm[.095 in] |
| Mating Square Post Dimension                            | .5 mm[.02 in]   |
| PCB Contact Termination Area Plating Material Thickness | 1 µm[39.37 µin] |
| Contact Mating Area Plating Material Thickness          | 1 µm[39.37 µin] |
| Contact Shape & Form                                    | Square          |
| Contact Mating Area Plating Material Finish             | Matte           |
| PCB Contact Termination Area Plating Material           | Pre-Tin         |
| Contact Base Material                                   | Brass           |
| Contact Mating Area Plating Material                    | Pre-Tin         |
| Contact Type                                            | Pin             |
| Contact Current Rating (Max)                            | 2 A             |

Termination Features

|                                             |               |
|---------------------------------------------|---------------|
| Square Termination Post & Tail Dimension    | .5 mm[.02 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Alignment Type | Locating Posts |
| Mating Alignment Type    | Polarization   |
| Mating Retention         | With           |
| PCB Mount Retention Type | Solder Peg     |
| Mating Retention Type    | Latch          |
| Connector Mounting Type  | Board Mount    |
| Mating Alignment         | With           |
| PCB Mount Alignment      | With           |
| PCB Mount Retention      | With           |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Nylon 6T        |
| Centerline (Pitch) | 1.5 mm[.059 in] |

Dimensions

|                  |                 |
|------------------|-----------------|
| Connector Length | 7.5 mm[.295 in] |
|------------------|-----------------|



|                             |                 |
|-----------------------------|-----------------|
| Connector Height            | 7.7 mm[.303 in] |
| Connector Width             | 4.9 mm[.192 in] |
| PCB Thickness (Recommended) | .8 mm[.031 in]  |

Usage Conditions

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

Operation/Application

|                          |                      |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application      | Signal               |

Industry Standards

|                        |                       |
|------------------------|-----------------------|
| Agency/Standard        | CSA, UL               |
| Approved Standards     | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0              |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 200  |
| Packaging Type     | Reel |

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 2022 (223)<br>Candidate List Declared Against: JAN 2022 (223)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Reflow solder capable to 245°C                                                                                                |

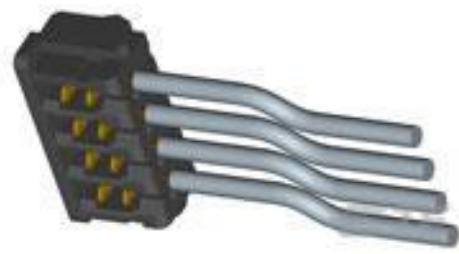
Product Compliance Disclaimer

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

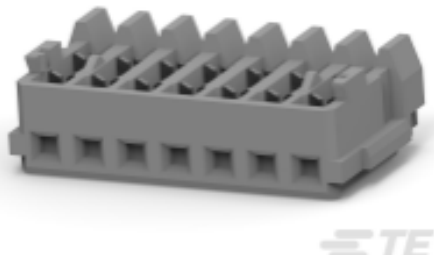


materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest 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 # 2-179694-2  
2MM CT MT REC ASSY 2P GRAY



TE Part # CAT-AM7053-H8172  
Mini Common Termination (CT) Housings



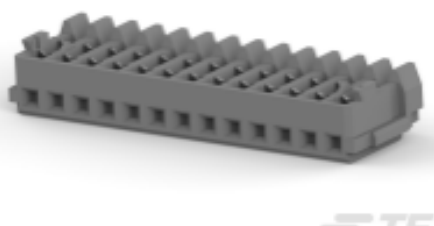
TE Part # CAT-AM7053-C7671  
MINI COMMON TERMINATION CONTACTS



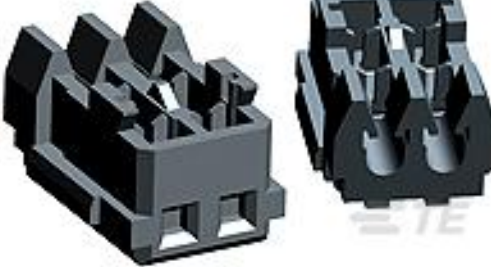
TE Part # 2058943-1  
Cable Assembly Mini CT 2 pos.



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



TE Part # 1-353293-3  
MINI CT MT REC ASSY 13P GRAY



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

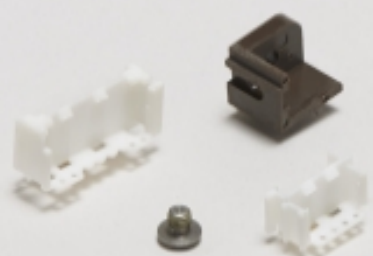


TE Part # 1-2058943-2  
Cable Assembly Mini CT, 80.0MM Length

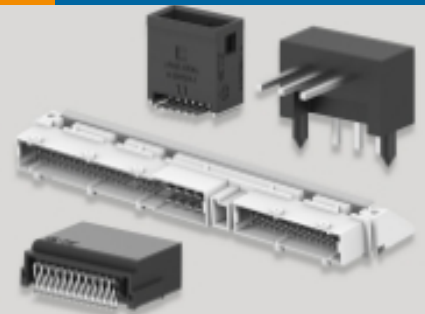


TE Part # 2058943-6  
Cable Assy, Mini CT 2 pos., 24 in

Also in the Series | AMP Mini CT



PCB Connector Mounting(10)



PCB Headers & Receptacles(332)



Wire-to-Board Connector Assemblies & Housings(172)

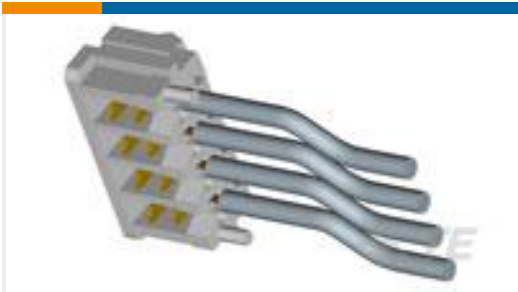


Wire-to-Board Connector Contacts(4)

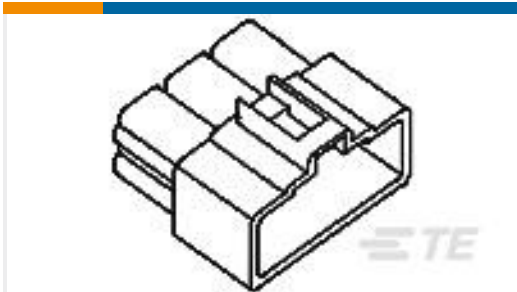
Customers Also Bought



TE Part #292227-3  
1.5 MINI CT SGL H SMT W BOSS 3



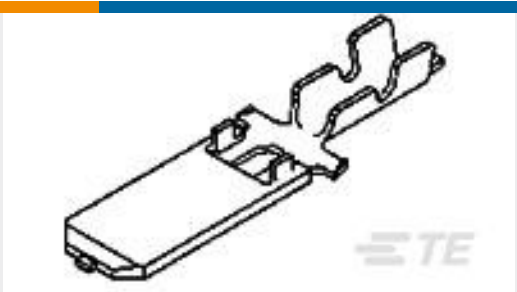
TE Part #6-173977-2  
CT CONN MT REC ASSY 2P BLACK



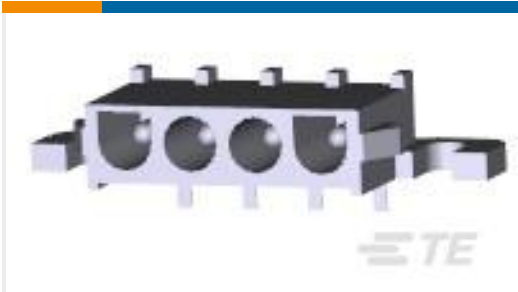
TE Part #172133-1  
FF 250 REC HSG 4P NYLON NAT



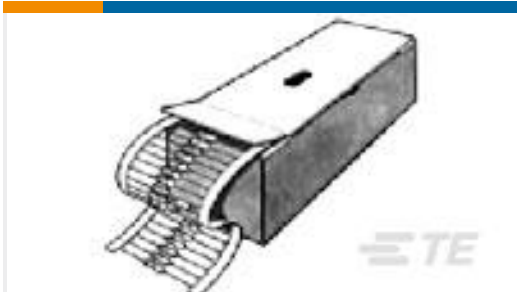
TE Part #2134611-1  
Micro poke in assembly



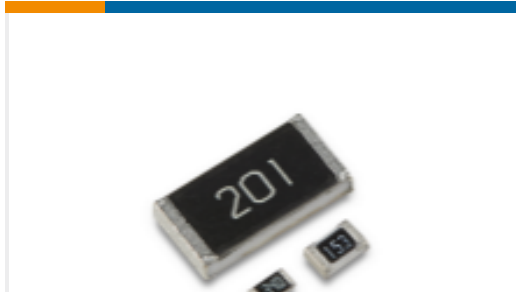
TE Part #170341-3  
FF 250 TAB 14-12AWG PTBR WITHOUT LATCH



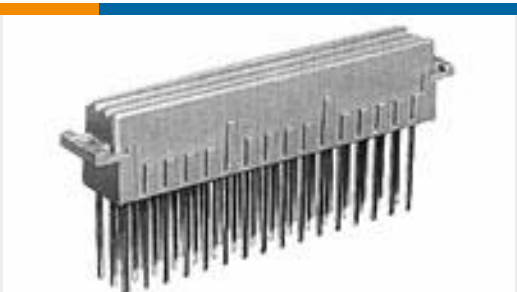
TE Part #1-350948-0  
04P UMNL HDR ASSY R/A V2 NATL



TE Part #1-2176045-8  
EP 5W 4K7 5%



TE Part #2-2176331-4  
CRGP 2512 820R 1%



TE Part #166733-4  
48P.IEC-F FEM.CONN.



TE Part #2118059-1  
WIMAX SINGLE BAND PCB Antenna

Documents

Product Drawings

1.5 MINI CT SGL H SMT W BOSS 2

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_292227-2\_A1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_292227-2\_A1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_292227-2\_A1.3d\_stp.zip

English

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

Datasheets & Catalog Pages



6-1773454-5\_AMP\_Mini\_CT\_Connector\_Series\_QRG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD\_292227-2\_102320182320\_dmtec

English

MD\_292227-2\_102320182320\_dmtec

English

Agency Approvals

UL

English