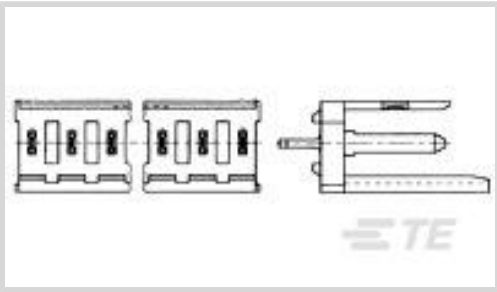




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Number of Rows: **1**

Features

Electrical Characteristics

|                                       |            |
|---------------------------------------|------------|
| Dielectric Withstanding Voltage (Max) | 750 VACrms |
|---------------------------------------|------------|

Packaging Features

|                    |             |
|--------------------|-------------|
| Packaging Quantity | 200         |
| Packaging Method   | Box, Carton |

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| Compatible With Approved Standards Products | UL E28476, CSA LR7189 |
| UL Flammability Rating                      | UL 94V-0              |

Body Features

|                       |          |
|-----------------------|----------|
| Connector Profile     | Standard |
| Primary Product Color | Green    |

Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Alignment Type   | Polarization |
| PCB Mount Retention     | Without      |
| Connector Mounting Type | Board Mount  |
| Mating Alignment        | With         |

Termination Features

|                                               |                |
|-----------------------------------------------|----------------|
| Rectangular Termination Post & Tail Width     | .9 mm[.035 in] |
| Rectangular Termination Post & Tail Thickness | .8 mm[.031 in] |



|                                |                       |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.3 mm                |
| Termination Method to PCB      | Through Hole - Solder |

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin]  |
| Mating Tab Width                               | 1.6 mm[.063 in] |
| Contact Mating Area Length                     | 10 mm[.393 in]  |
| Contact Base Material                          | Brass           |
| Mating Tab Thickness                           | .79 mm[.031 in] |
| PCB Contact Termination Area Plating Material  | Tin             |
| Contact Mating Area Plating Material           | Tin             |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 3 A             |

Housing Features

|                    |                  |
|--------------------|------------------|
| Housing Material   | Polycarbonate GF |
| Centerline (Pitch) | 3.96 mm[.156 in] |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| Board-to-Board Configuration     | Parallel     |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 10           |
| Number of Rows                   | 1            |

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Partially Shrouded    |
| Connector & Contact Terminates To | Printed Circuit Board |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | 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                               | 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                                                                                                    |

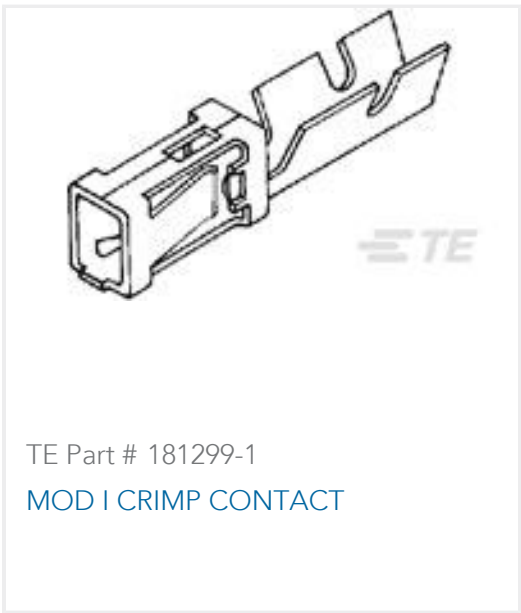
Product Compliance Disclaimer

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 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>

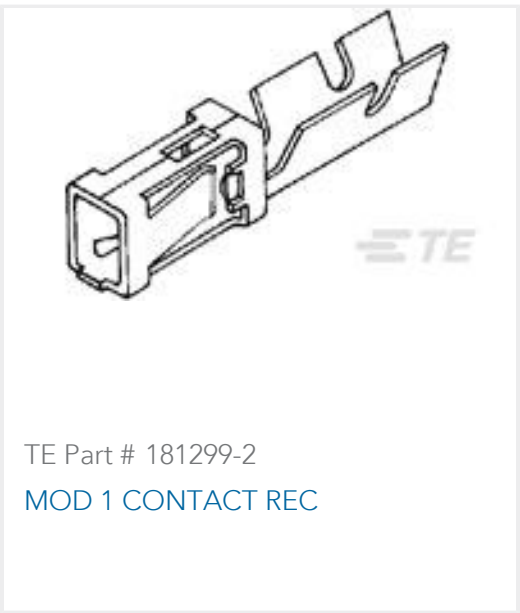
Compatible Parts



TE Part # 182198-1  
MOD 1 CONTACT



TE Part # 181299-1  
MOD 1 CRIMP CONTACT



TE Part # 181299-2  
MOD 1 CONTACT REC

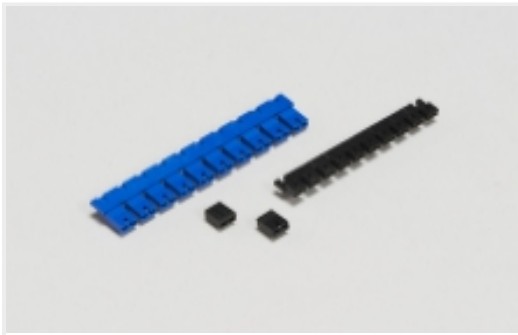


TE Part # 280594  
AMP MODU MOD 1 RECEPT HSG

Also in the Series | AMPMODU MOD 1



Automotive Terminals(4)



Board-to-Board Jumpers & Shunts(5)



Connector Contacts(75)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(105)



Power Contacts(1)



Wire-to-Board Headers & Receptacles (35)

Customers Also Bought



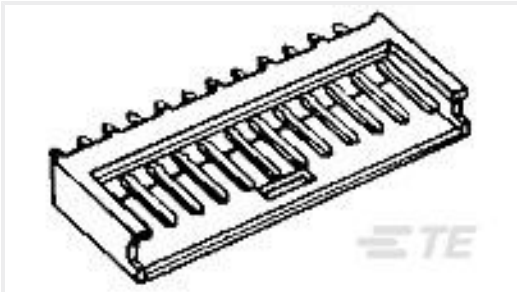
TE Part #1879335-7  
CPF 0603 24R9 1% 50PPM 1K RL



TE Part #1-1623746-3  
ER74 1R0 5% AMMO PK



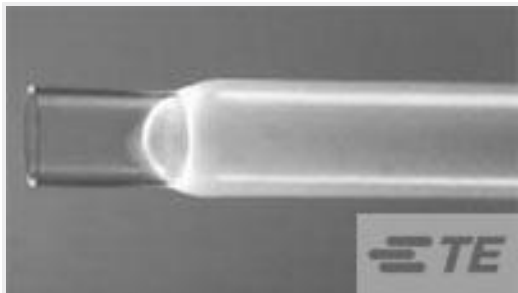
TE Part #1879355-8  
RR03 5% 8K2 AMMO



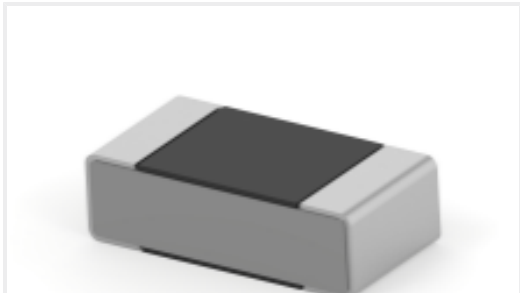
TE Part #280371-1  
4P AMPMODU II SHRD HDR, ST, TIN



TE Part #2-1623774-7  
C14 2R2 5% (LOOSE)



TE Part #5960082002  
TFER-1-X-STK



TE Part #2-2176280-7  
CPF 0402 196K 0.1% 25PPM 1K RL



TE Part #254188-E  
M12 MALE, A CODE, 4P, 17MM SMT



TE Part #454829-E  
M12 MALE, A CODE, 4P, 17MM SMT



TE Part #5960082009  
TFER-1-X-CS-34034

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_280613-1\_M\_c-280613-1-m.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_280613-1\_M\_c-280613-1-m.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_280613-1\_M\_c-280613-1-m.3d\_stp.zip

English

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

Agency Approvals

UL Report

English