# 280616-2 ✔ ACTIVE

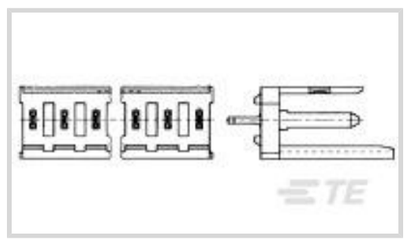
AMPMODU | AMPMODU MOD 1

TE Internal #: 280616-2

PCB Mount Header, Right Angle, Board-to-Board, 4 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Gold (Au), AMPMODU MOD 1

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **4**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [ .156 in ]**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 4 |
| Number of Rows | 1 |
| PCB Mount Orientation | Right Angle |
| Board-to-Board Configuration | Perpendicular |

### Electrical Characteristics

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

### Body Features

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

### Contact Features

| | |
|---|---|
| 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 Thickness | .381 µm[15 µin] |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

## 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 |

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 1.6 mm[.06 in] |

## Usage Conditions

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

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 500 |
| Packaging Method | Carton |

## Product Compliance

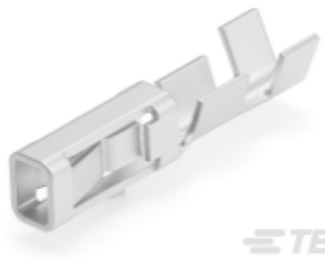
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Wave solder capable to 265°C |

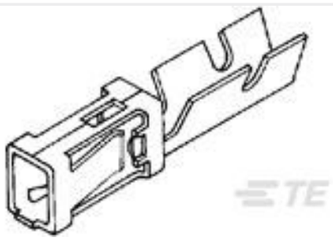
Product Compliance Disclaimer

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



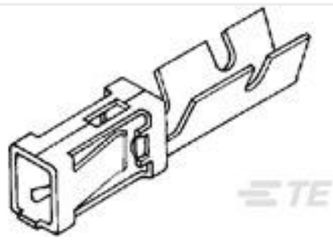
TE Part # 182198-1
MOD 1 CONTACT



TE Part # 181299-2
MOD 1 CONTACT REC

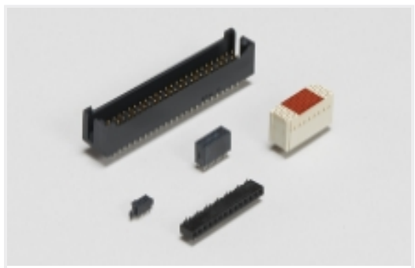


TE Part # 280591
AMPMODU MODU I REC HOUSING

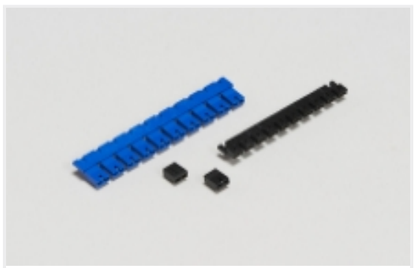


TE Part # 181299-1
MOD I CRIMP CONTACT

## Also in the Series | AMPMODU MOD 1



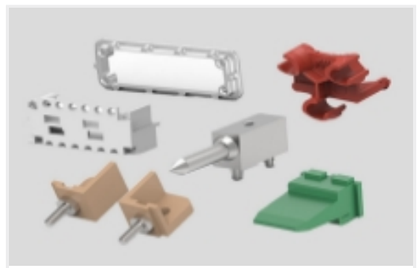
Board-to-Board Headers & Receptacles(81)



Board-to-Board Jumpers & Shunts(1)



Connector Contacts(41)



Connector Hardware(2)



Power Contacts(1)



Rectangular Connector Housings(8)



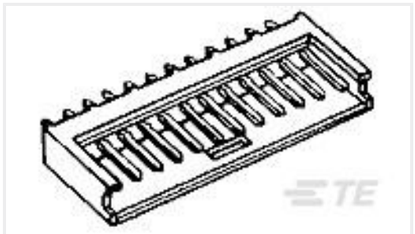
Rectangular Power Connectors(16)

## Customers Also Bought



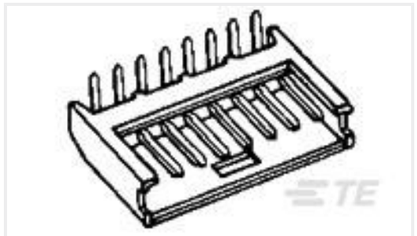
TE Part #207535-1

HSG,SINGLE POSN FREE HANGING



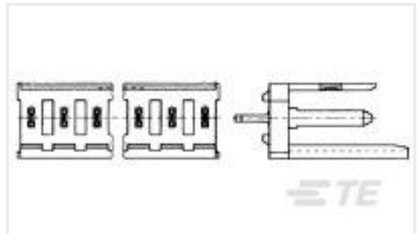
TE Part #280372-2

6P AMPMODU II SHRD HDR, ST, 0.38 AU



TE Part #280378-2

4P MODU II SHRD HDR, RT ANG, 0.38 AU



TE Part #280610-2

4P MOD 1 SHROUDED HEADER, ST, 0.4 Au



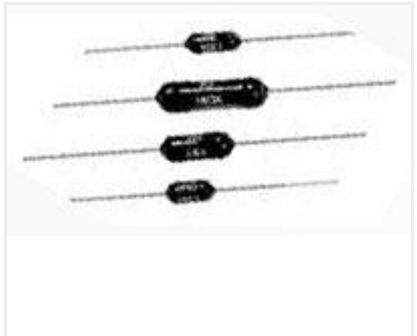
TE Part #1622796-1

YR1 0.1% 100K



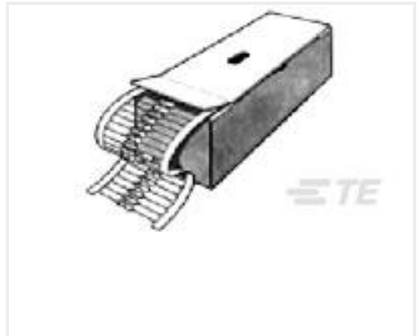
TE Part #7-1676913-9

YR1 0.1% 2K0



TE Part #5-1879642-1

H8 5K0 0.1% 25PPM



TE Part #2176083-9

EP 5W (S) 220R 5%



TE Part #2-2176610-5

EP 1W (SS) 10R 5%



TE Part #1-2834238-1

3P REC, IP67 R/A T/H CONN,NATURE

## Documents

## CAD Files

### Customer View Model

ENG_CVM_CVM_280616-2_S.2d_dxf.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_280616-2_S.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_280616-2_S.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