



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold**

Contact Base Material: **Phosphor Bronze**

Product Terminates To: **Printed Circuit Board**

Contact Current Rating (Max): **5 A**

Features

Product Type Features

|                  |          |
|------------------|----------|
| Applied Pressure | Standard |
|------------------|----------|

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Insulation Resistance                 | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 1200 V  |
| Contact Resistance                    | 12 mΩ   |

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | .762 μm[30 μin] |
| Contact Orientation                            | Horizontal      |
| PCB Contact Termination Area Plating Material  | Gold            |
| Contact Type                                   | Socket          |
| Contact Mating Area Plating Material           | Gold            |
| Contact Base Material                          | Phosphor Bronze |
| Contact Current Rating (Max)                   | 5 A             |

Termination Features

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



|                                |                       |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.68 mm[.145 in]      |
| Product Terminates To          | Printed Circuit Board |

Mechanical Attachment

|                         |         |
|-------------------------|---------|
| Wire Insulation Support | Without |
| PCB Mount Retention     | Without |

Housing Features

|                       |      |
|-----------------------|------|
| Mating Entry Location | Side |
|-----------------------|------|

Dimensions

|                             |                               |
|-----------------------------|-------------------------------|
| PCB Thickness (Recommended) | 1.4 - 2.62 mm[.055 - .103 in] |
|-----------------------------|-------------------------------|

Usage Conditions

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

Operation/Application

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

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 5000 |
| Packaging Method   | 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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                                                                                                  |

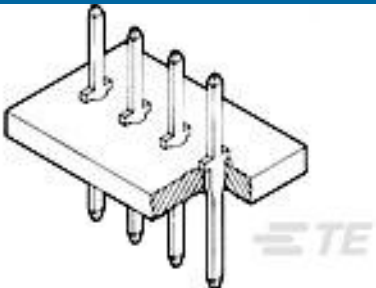
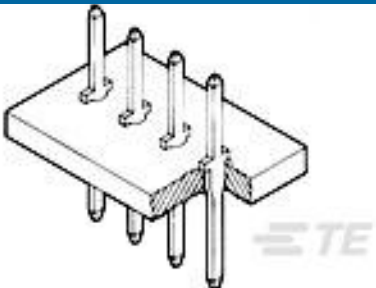
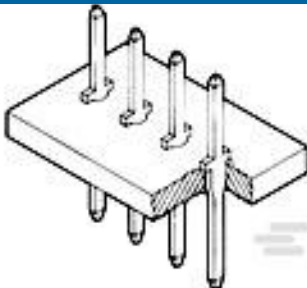
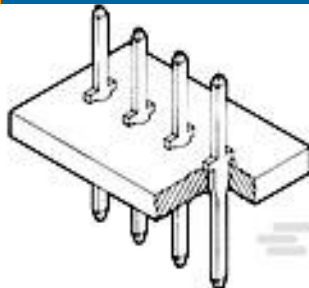
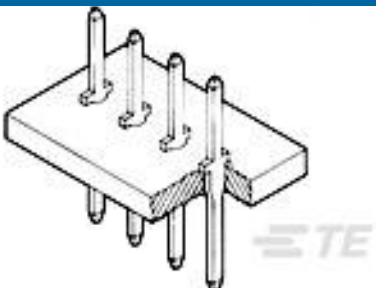
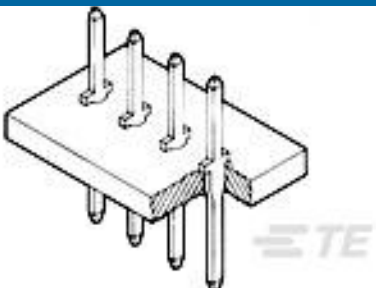
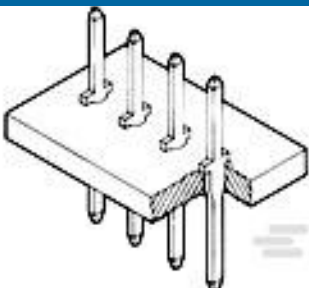
Product Compliance Disclaimer

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

|                                                                                                                                          |                                                                                                                                             |                                                                                                                                            |                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-86182-5<br/>MOD I POST LP</p>          |  <p>TE Part # 1-87258-0<br/>10 MODI HDR SRRA .156CL</p>  |  <p>TE Part # 86181-2<br/>MODI KEYING PLUG</p>          |  <p>TE Part # 2-85829-0<br/>20 MODI HDR SRST .156CL</p> |
|  <p>TE Part # 86182-8<br/>MOD I POST LP</p>           |  <p>TE Part # 1-85829-0<br/>10 MODI HDR SRST .156CL</p> |  <p>TE Part # 1-86147-2<br/>MOD I POST PLTD 30 AU</p> |  <p>TE Part # 1-86147-5<br/>MOD I POST PLTD 30 AU</p>  |
|  <p>TE Part # 1-86147-8<br/>MOD I POST PLTD 30 AU</p> |  <p>TE Part # 1-87247-9<br/>19 MODI HDR SRST .156CL</p> |  <p>TE Part # 85829-2<br/>02 MODI HDR SRST .156CL</p> |  <p>TE Part # 85923-9<br/>09 MODI HDR SRST .156CL</p>  |
|  <p>TE Part # 86147-7<br/>MOD I POST PLTD 30 AU</p>   |  <p>TE Part # 86147-8<br/>MOD I POST PLTD 30 AU</p>      |  <p>TE Part # 87258-2<br/>02 MODI HDR SRRA .156CL</p> |  <p>TE Part # 87283-2<br/>02 MODI HDR SRST .156CL</p>  |



TE Part # 1-85839-2  
12 MOD I HDR SRST .156CL

TE Part # 1-86182-2  
MOD I POST LP

TE Part # 1-86182-8  
MOD I POST LP

TE Part # 1-87283-0  
10 MOD I HDR SRST .156CL

Also in the Series

AMPMODU MOD 1

Automotive Terminals(4)

Board-to-Board Jumpers & Shunts(5)

Connector Contacts(108)

Connector Hardware(2)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(341)

Wire-to-Board Connector Assemblies & Housings(32)

Customers Also Bought

TE Part # 640456-4  
04P MTA100 HDR ASSY F/L SQ STR

TE Part # 1415898-1  
RTS3T024

TE Part # 5787834-1  
STD USB TYPE B, VERTICAL, T/H

TE Part # 1625854-4  
1206 PROBE PAD

TE Part # 280610-1  
4P MOD 1 SHROUDED HEADER, ST, TIN PLTD

TE Part # 8-1393224-2  
RY531024

TE Part # 2301838-1  
AMPL REC HD20, VERT, 9P, B/L, 4-40 INS

TE Part # 1-1337481-0  
SMB R/A PCB Skt 50Ohm Gold Plt INS



Documents

Product Drawings

MOD I RECP PLTD 30 SEL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_85487-4\_AN.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_85487-4\_AN.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_85487-4\_AN.3d\_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU\_INTERCONNECTION\_SYSTEM\_SECTION\_6\_7AND8

English

Product Specifications

Application Specification

English