

5-147278-5 ✓ ACTIVE

AMPMODU | AMPMODU MTE

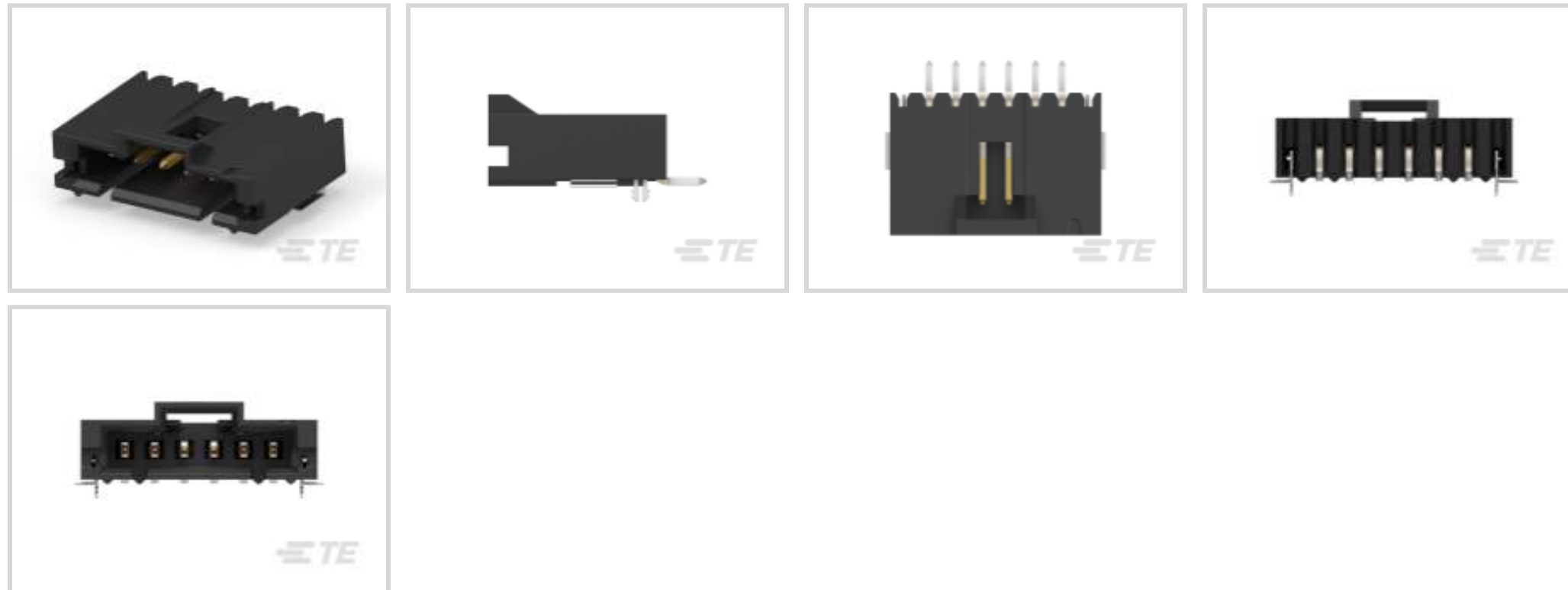
TE Internal #: 5-147278-5

PCB Mount Header, Right Angle, Wire-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Surface Mount, Signal, Black, AMPMODU MTE

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **6**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Orientation: **Right Angle**

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 | 6 |
| Number of Rows | 1 |
| PCB Mount Orientation | Right Angle |

Electrical Characteristics

| | |
|---------------------------------------|---------|
| Termination Resistance | 15 mΩ |
| Insulation Resistance | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 600 V |

Body Features



| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

| | |
|---|---|
| Contact Mating Area Length | 5.84 mm[.23 in] |
| Mating Square Post Dimension | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 μ m[100 – 200 μ in] |
| Contact Mating Area Plating Material Thickness | .381 μ m[15 μ in] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Gold |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|---|-----------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

Mechanical Attachment

| | |
|--------------------------|-----------------------|
| Mating Alignment Type | Latched, Polarization |
| Mating Retention | With |
| Panel Mount Feature | Without |
| PCB Mount Retention Type | Hold-Down |
| Mating Retention Type | Polarized Lock |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |

Housing Features

| | |
|--------------------|----------------|
| Housing Material | Thermoplastic |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Dimensions

| | |
|------------------|-----------------|
| Connector Length | 20.32 mm[.8 in] |
|------------------|-----------------|



| | |
|------------------|------------------|
| Connector Height | 6.65 mm[.262 in] |
|------------------|------------------|

| | |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
|-----------------------------|------------------|

Usage Conditions

| | |
|----------------------------|------|
| Housing Temperature Rating | High |
|----------------------------|------|

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

Operation/Application

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

Industry Standards

| | |
|--------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
|--------------------|-----------------------|

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 300 |
|--------------------|-----|

| | |
|----------------|-------------|
| Packaging Type | Tape & 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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 | Reflow solder capable to 260°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 # 5-103960-5
4X6 MTE RCPT SR LATCH .100CL



TE Part # 5-103957-5
4X6 MTE RCPT SR LATCH .100CL



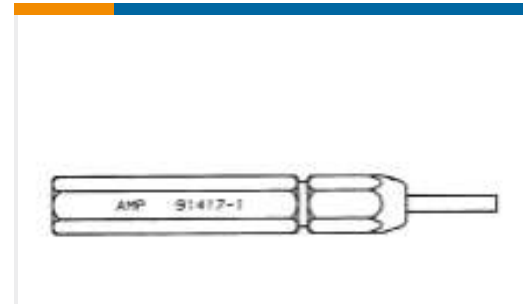
TE Part # 1-2267795-5
CA, MTE FOW-FOW, 6POS, 300mm
15Au, 24AWG



TE Part # 2267795-5
CA, MTE FOW-FOW, 6POS, 75mm
15Au, 24AWG



TE Part # 5-103969-5
4X6 MTE RCPT SR RIBBED .100CL



TE Part # 91417-1
TOOL, KEYING (AMPMODU MTE)

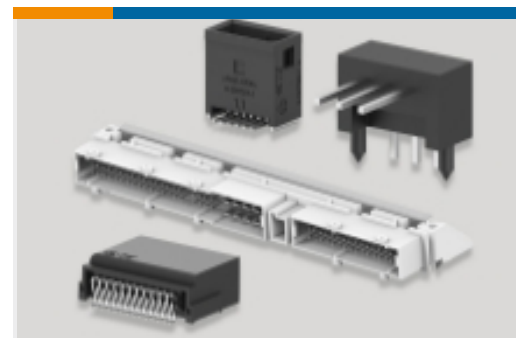
Also in the Series | AMPMODU MTE



Insertion & Extraction Tools(2)



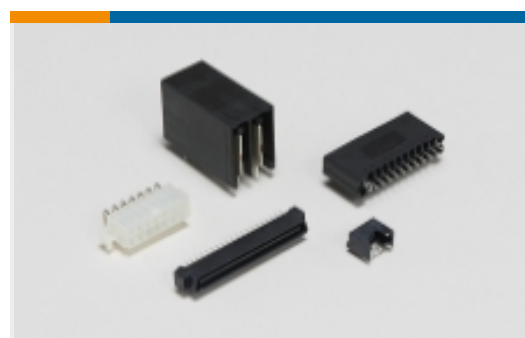
PCB Connector Shrouds(40)



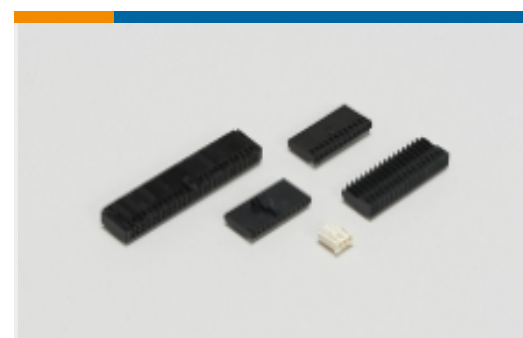
PCB Headers & Receptacles(763)



Ribbon Connector Accessories(1)



Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies & Housings(585)

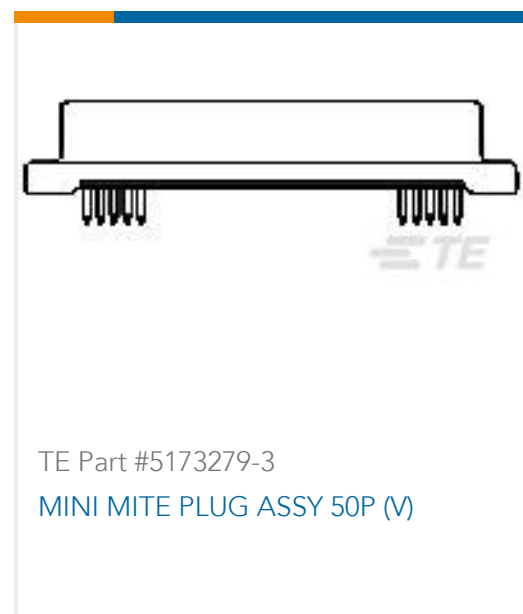


Wire-to-Board Connector Contacts(32)

Customers Also Bought



TE Part #3-641237-5
05P MTA100 CONN ASSY RED 30AU



TE Part #5173279-3
MINI MITE PLUG ASSY 50P (V)



TE Part #487940-4
FFC,SLDR TAB CONTACT,.050" CNT



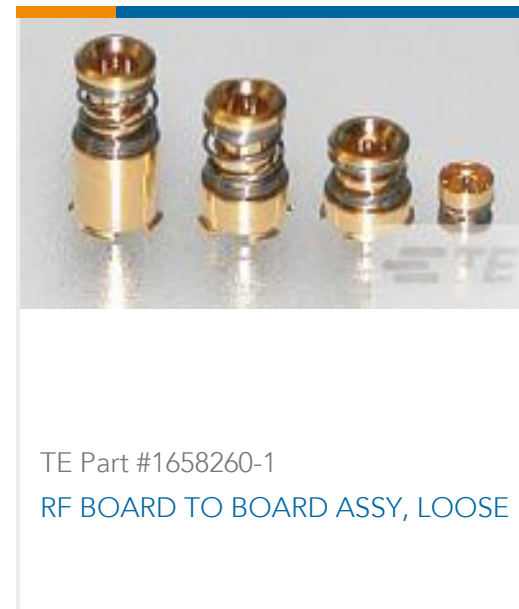
TE Part #5-103904-3
4 MTE HDR SRRA LATCH W/HLDWN



TE Part #7-1879160-2
RN 0805 7R32 0.1% 10PPM 1K RL



TE Part #5-147278-1
02 MTE HDR SRRA SFMNT .100CL



TE Part #1658260-1
RF BOARD TO BOARD ASSY, LOOSE



TE Part #3-2176337-5
CRGCQ 0402 6K8 1%



TE Part #487526-1
002 HOUSING FFC RCPT 100CL SR



TE Part #2213837-1
ASSEM., 40MM LUMAWISE
ENDURANCE S

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5-147278-5_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-147278-5_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-147278-5_N.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_SECTION5_CONT](#)

English

[AMPMODU MTE INTERCONNECT SYSTEM](#)

English



Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English