

280581-2 ✓ ACTIVE

AMPMODU | AMPMODU IV/V

TE Internal #: 280581-2

PCB Mount Receptacle, Right Angle, Board-to-Board, 15 Position,
2.54 mm [.1 in] Centerline, Gold, Through Hole - Solder, Signal,
Black, AMPMODU IV/V

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **15**

Number of Rows: **1**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------|-------------|
| Stackable | No |
| Number of Signal Positions | 15 |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 15 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
|-----------------------|---------|

Body Features

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

Contact Features

| | |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Layout | Inline |



| | |
|--|---|
| Contact Underplating Material Thickness | 1.27 μm [50 μin] |
| Contact Shape & Form | Dual Tine |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Gold Flash |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .381 μm [15 μin] |
| Contact Type | Socket |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Thickness | .21 mm[.009 in] |
| Rectangular Termination Post & Tail Width | .76 mm[.03 in] |
| Termination Post & Tail Length | 3.5 mm[.138 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|-------------|
| PCB Mount Alignment Type | None |
| PCB Mount Retention Type | None |
| Mating Alignment | Without |
| Mating Alignment Type | None |
| PCB Mount Retention | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |

Housing Features

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

Dimensions

| | |
|-----------------------------|------------------|
| Connector Length | 38.6 mm[1.52 in] |
| Connector Height | 4 mm[.159 in] |
| Connector Width | 8.7 mm[.343 in] |
| PCB Thickness (Recommended) | 1.6 mm[.062 in] |

Usage Conditions

| | |
|----------------------------|----------|
| Housing Temperature Rating | Standard |
|----------------------------|----------|



Operating Temperature Range -65 – 125 °C[-85 – 257 °F]

Operation/Application

Circuit Application Signal

Industry Standards

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Quantity 42

Packaging Type Tray

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 Wave solder capable to 265°C

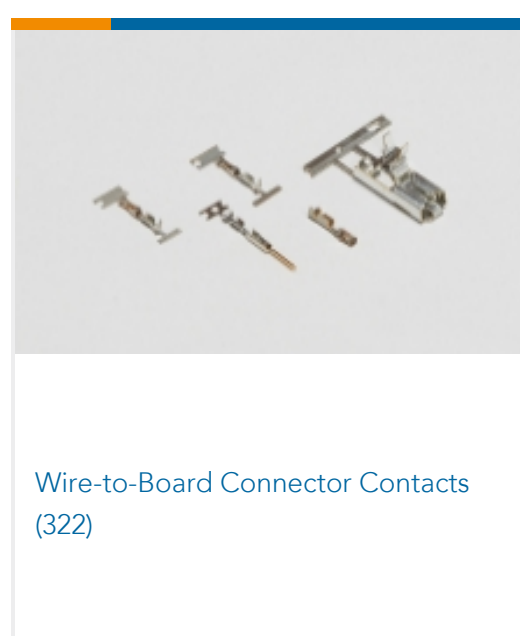
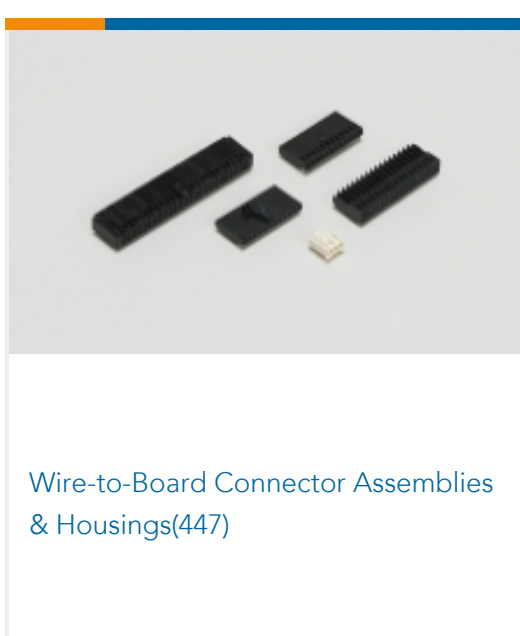
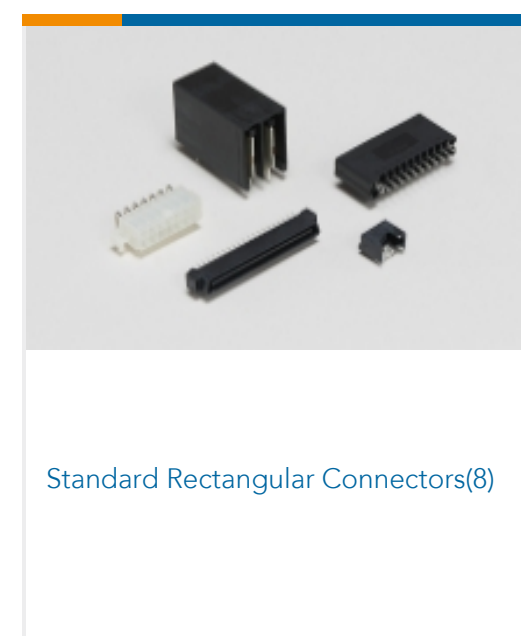
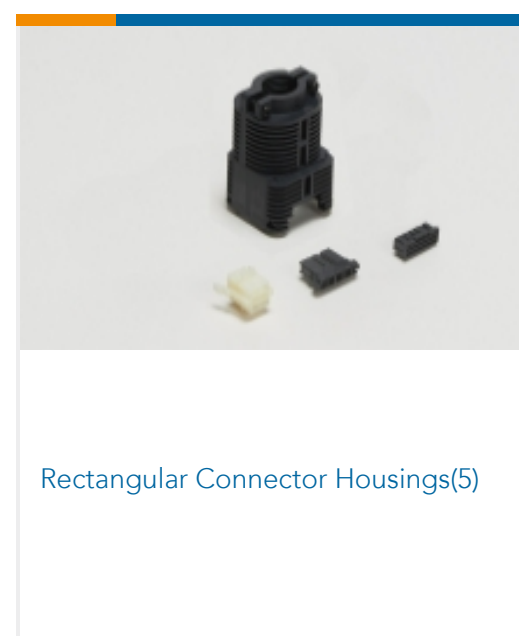
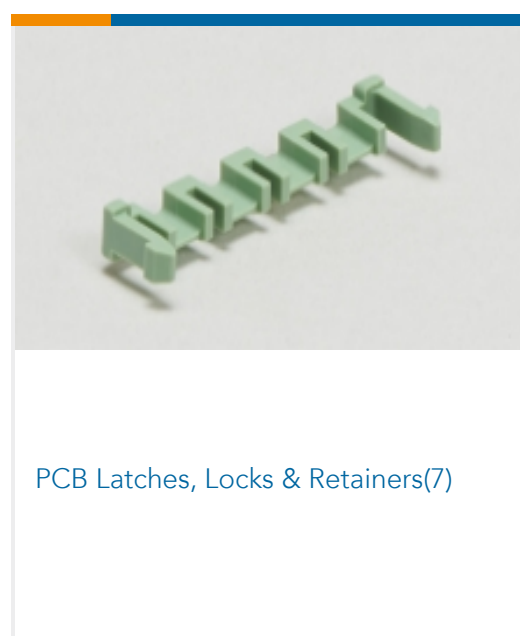
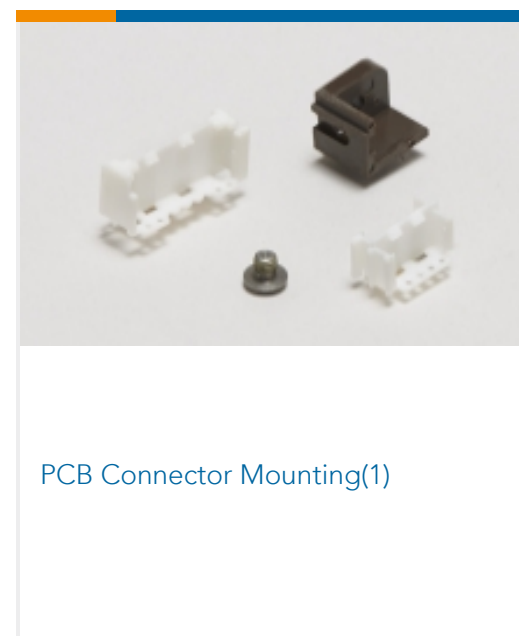
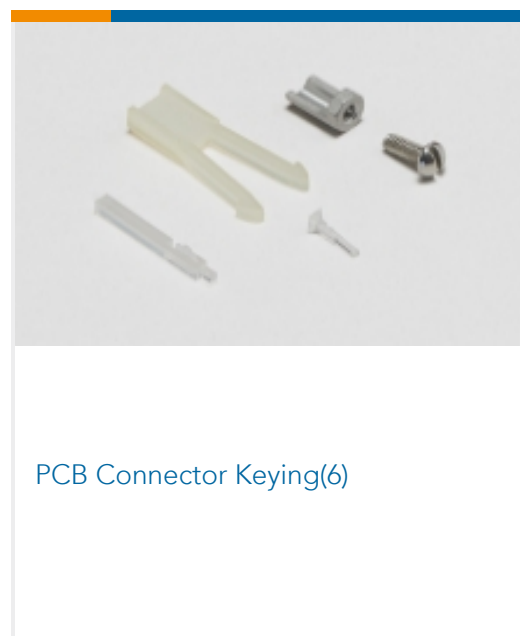
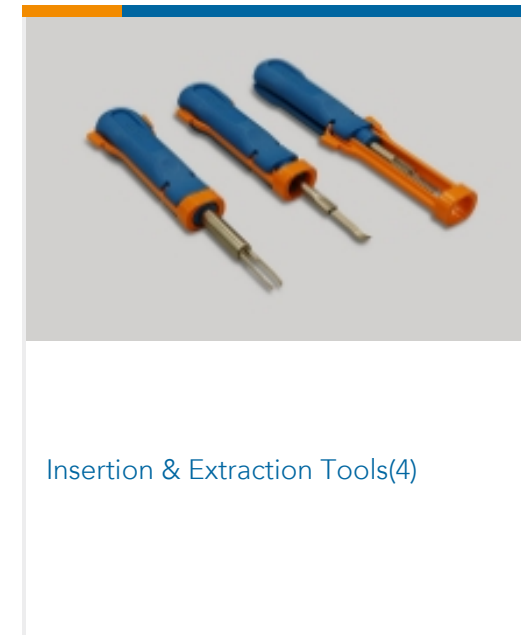
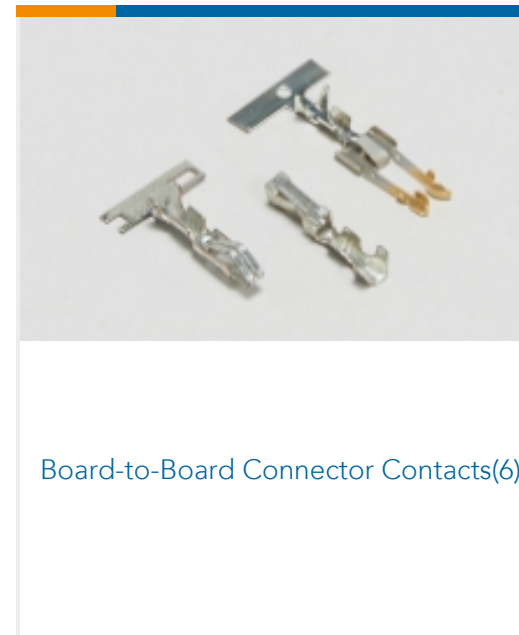
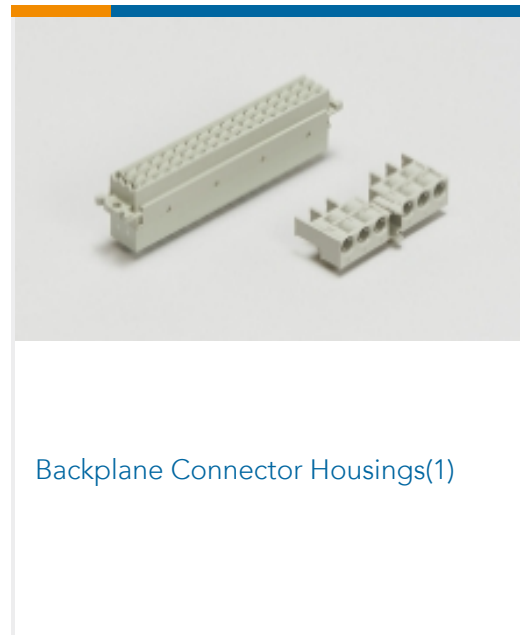
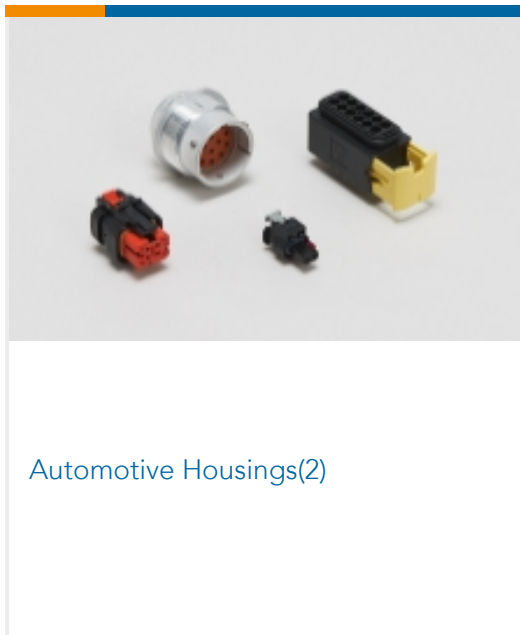
Product Compliance Disclaimer

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>

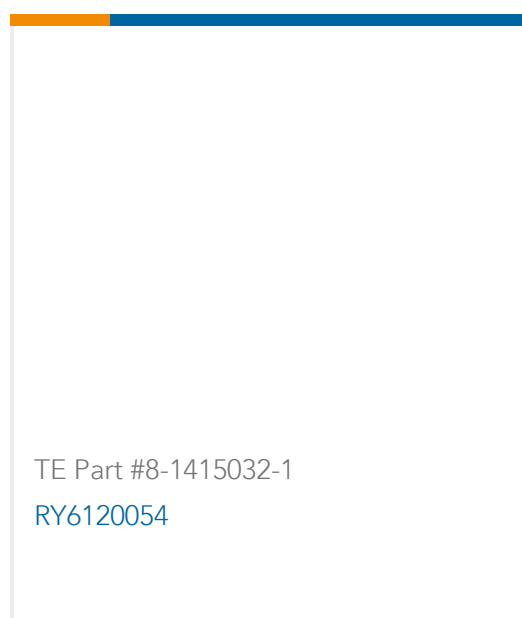
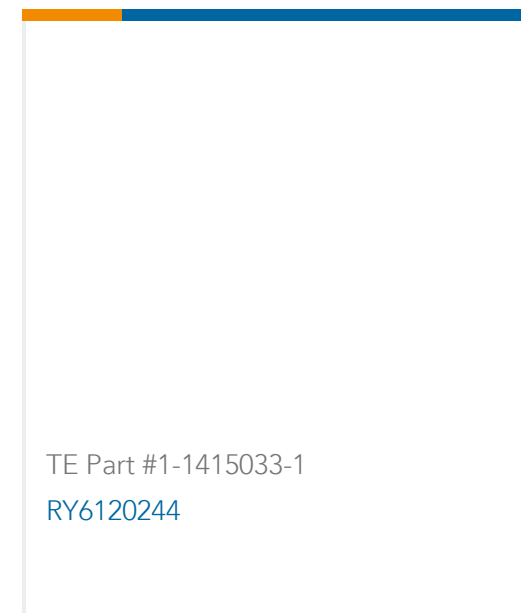
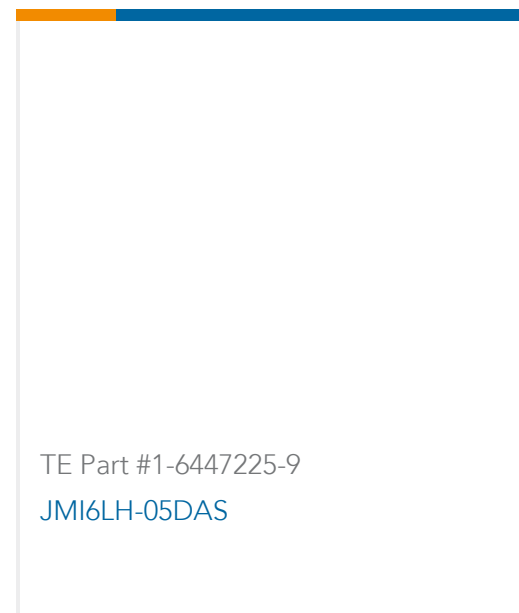
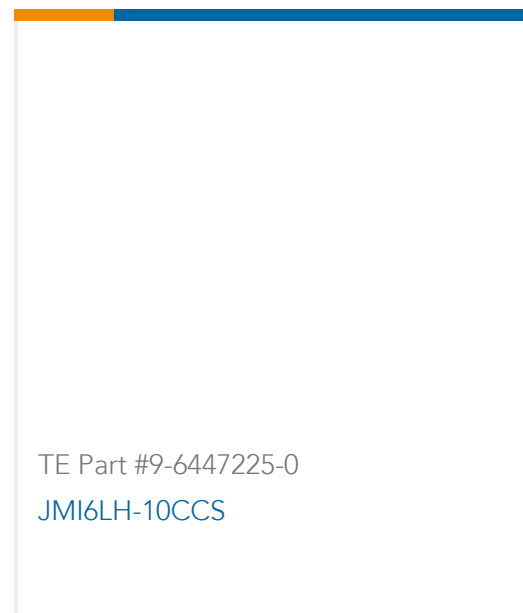
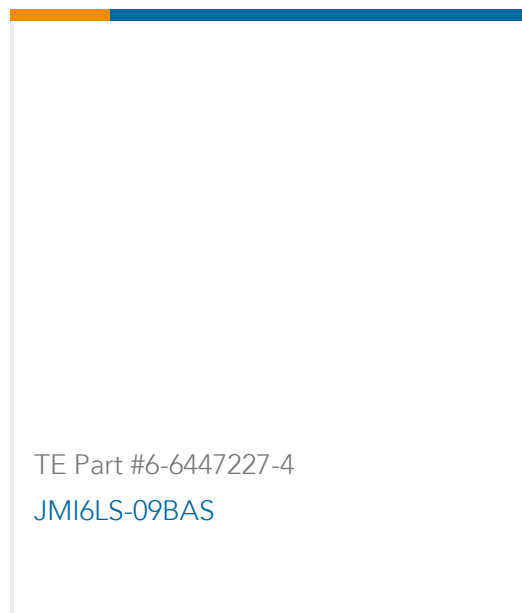
Compatible Parts



Also in the Series | AMPMODU IV/V



Customers Also Bought



Documents

Product Drawings

MOD II SGL ROW 15P REC. ASSY HMT, Au

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_280581-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_280581-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_280581-2_E.3d_stp.zip

English

Customer View Model

ENG_CVM_280581-2_H.3d_igs.zip



English

Customer View Model

[ENG_CVM_280581-2_H.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_280581-2_H.2d_dxf.zip](#)

English

3D PDF

English

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Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English