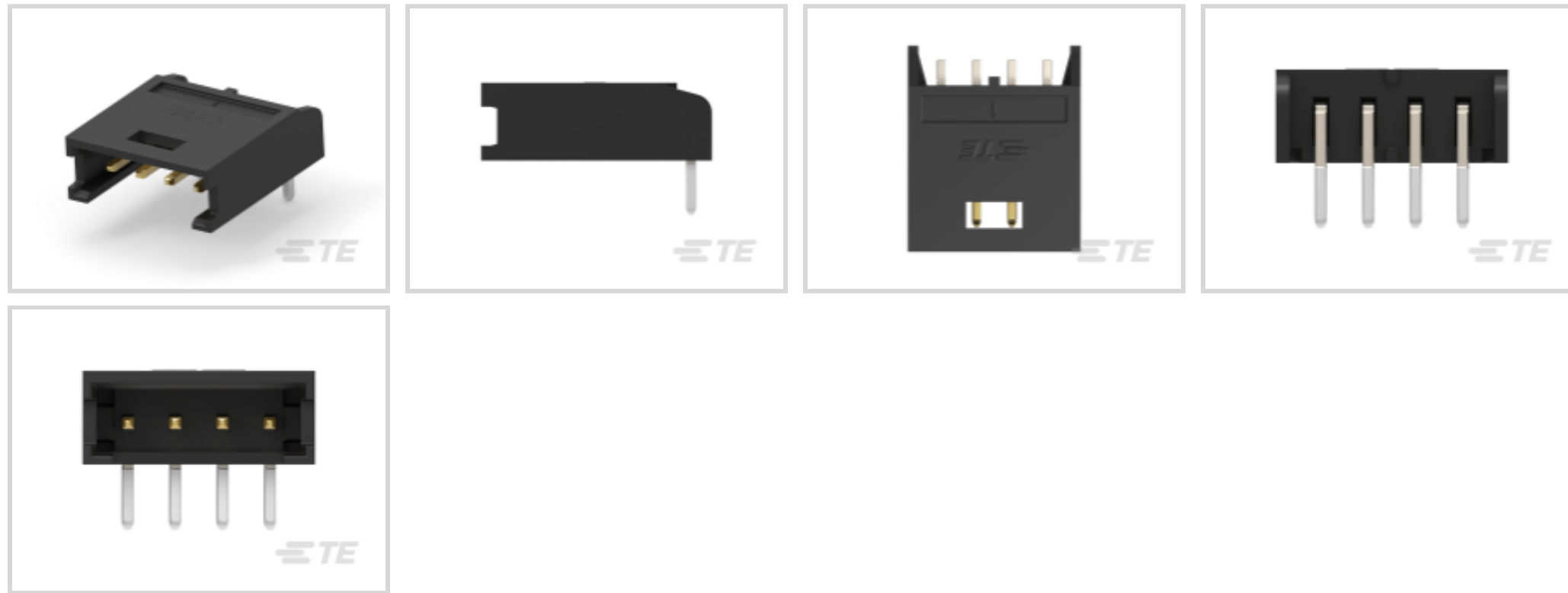




Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Right Angle**

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

Features

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Connector Shape | Rectangular |
| PCB Connector Assembly Type | PCB Mount Header |
| Connector System | Board-to-Board |
| Header Type | Partially Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

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



Electrical Characteristics

| | |
|---------------------------------------|--------|
| Operating Voltage | 40 VDC |
| Dielectric Withstanding Voltage (Max) | 750 V |

Body Features

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

Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 μm [50 μin] |
| Contact Mating Area Plating Material Thickness | .381 μm [15 μin] |
| Mating Square Post Dimension | .63 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 2.5 μm [98.42 μin] |
| Contact Shape & Form | Square |
| Contact Layout | Inline |
| Contact Mating Area Length | 6.6 mm[.259 in] |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Finish | Bright |
| Contact Mating Area Plating Material | Gold Flash over Palladium Nickel |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.5 mm[.138 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

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



Housing Features

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

Dimensions

| | |
|--------------------|-------------------|
| Row-to-Row Spacing | 2.54 mm [.1 in] |
| Connector Width | 14.9 mm [.587 in] |
| Connector Height | 5 mm [.197 in] |
| Connector Length | 12.7 mm [.5 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Housing Temperature Rating | Standard |
| Operating Temperature Range | -40 – 80 °C [-40 – 176 °F] |

Industry Standards

| | |
|------------------------|----------|
| Industry Standard | IEC |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method | Box |

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) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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

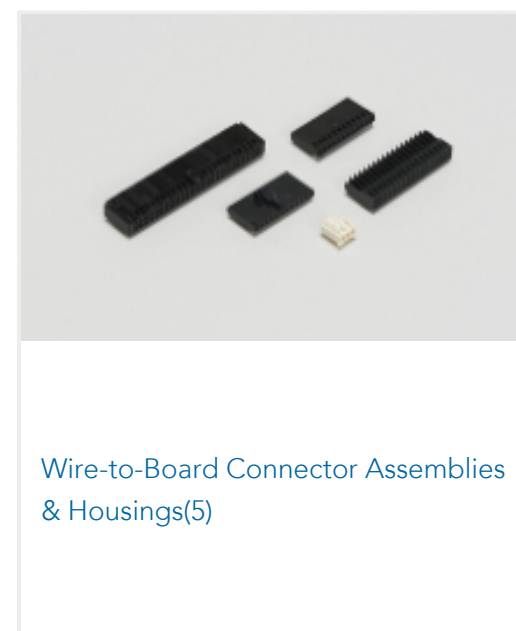
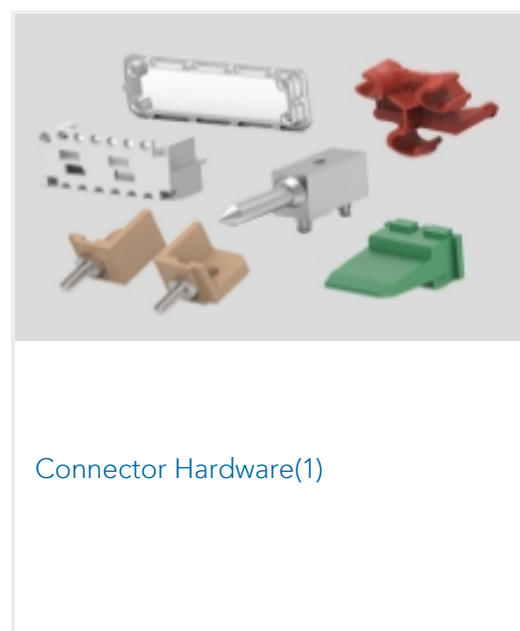
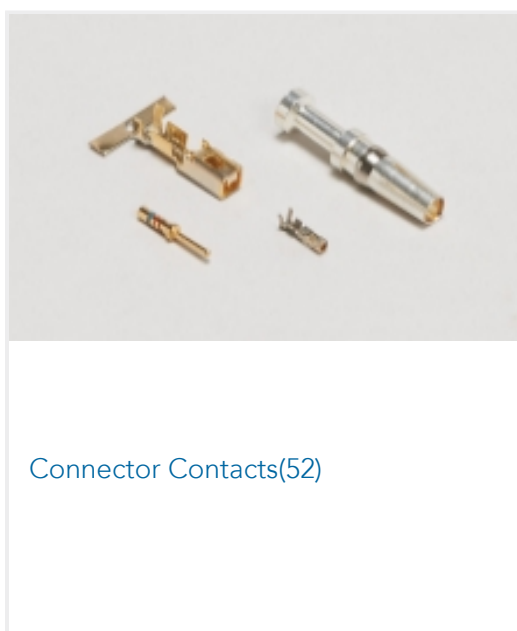


chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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>

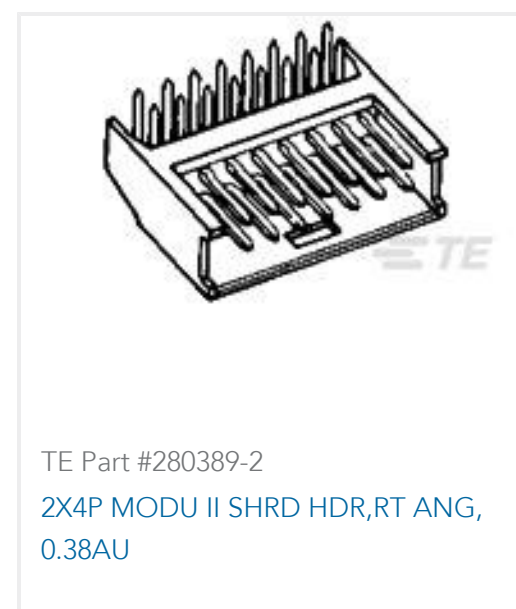
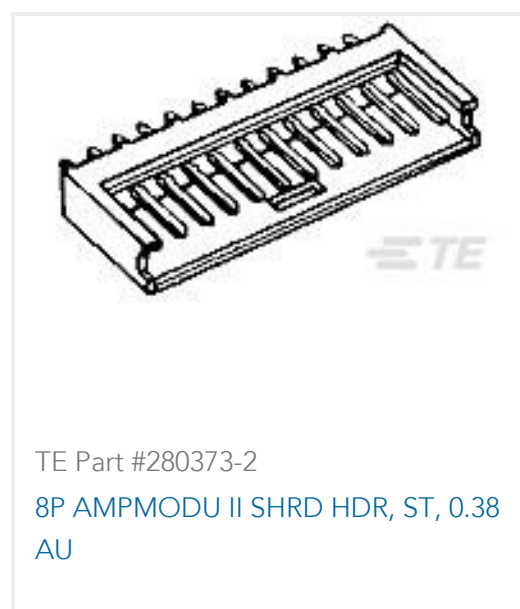
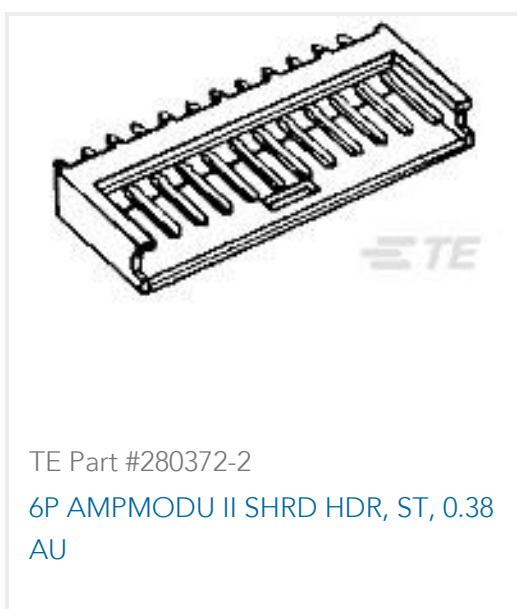
Compatible Parts

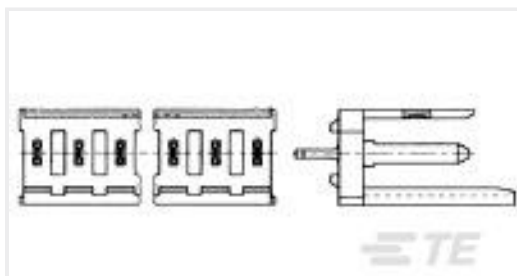


Also in the Series | AMPMODU Headers

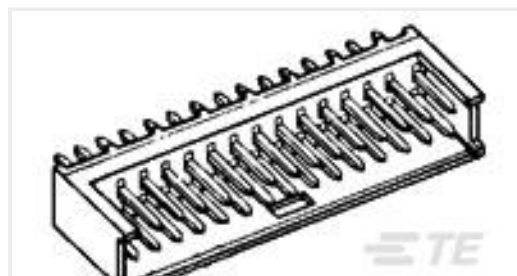


Customers Also Bought

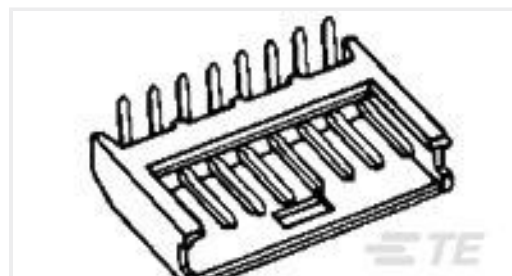




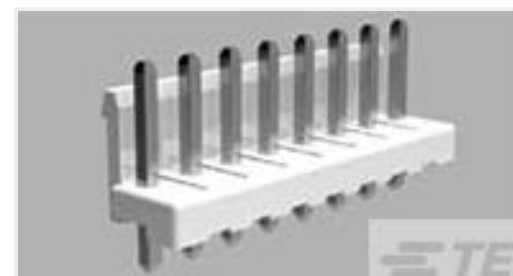
TE Part #280609-2
2P MOD 1 SHROUDED HEADER, ST,
0.4 Au



TE Part #280384-2
2X4P AMPMODU II SHRD HDR, ST, 0.38
AU



TE Part #280380-2
8P MODU II SHRD HDR, RT ANG, 0.38
AU



TE Part #5-1123723-5
3.96 EP HDR ASSY 5P(BLACK)



TE Part #172763-2
PL MKII 250 REC 18-14AWG PRE-TIN
NB109

Documents

Product Drawings

[4P MODU II SHRD HDR, RT ANG, 0.38AU](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_280378-2_S_c-280378-2-s.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_280378-2_S_c-280378-2-s.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_280378-2_S_c-280378-2-s.3d_stp.zip](#)

English

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