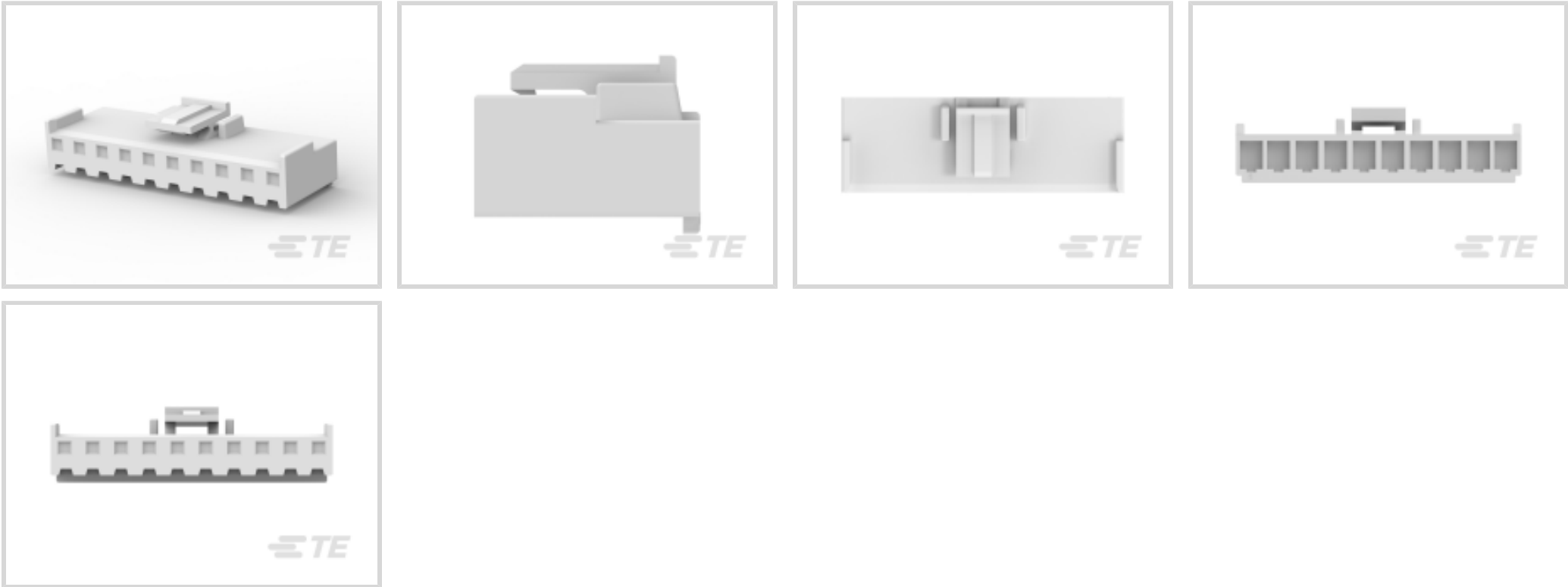




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **10**

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

Features

Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Rectangular Power Connector Type  | Housing       |
| Connector & Housing Type          | Plug          |
| Connector System                  | Wire-to-Board |
| Sealable                          | No            |
| Connector & Contact Terminates To | Wire & Cable  |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 10 |
| Number of Rows      | 1  |

Electrical Characteristics

|                                       |          |
|---------------------------------------|----------|
| Dielectric Withstanding Voltage (Max) | 1500 VAC |
| Operating Voltage                     | 250 VDC  |
| Insulation Resistance                 | 1000 MΩ  |

Contact Features

|                |        |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|



|                                  |            |
|----------------------------------|------------|
| Contact Current Rating (Max)     | 8 A        |
| Contact Retention Within Housing | Without    |
| Contact Type                     | Receptacle |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                         |                      |
|-------------------------|----------------------|
| Strain Relief           | Without              |
| Mating Alignment        | Without              |
| Connector Mounting Type | Board Mount          |
| Mating Retention        | With                 |
| Mating Retention Type   | Latch, Locking Latch |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Color      | Natural          |
| Housing Material   | Nylon 66         |

Dimensions

|                                        |                            |
|----------------------------------------|----------------------------|
| Width                                  | 13.3 mm[.524 in]           |
| Accepts Wire Insulation Diameter Range | 1.7 – 3 mm[.067 – .118 in] |
| Height                                 | 10.5 mm[.413 in]           |
| Length                                 | 39.54 mm[1.557 in]         |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -25 – 105 °C[-13 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 800 |



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 2022 (223)<br>Candidate List Declared Against: JAN 2022 (223)<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                     | Not applicable for solder process capability                                                                                  |

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 # 1318912-1  
EP CONN LP REC



TE Part # 1123721-2  
ECONOMY POWER CONN REC  
CONT



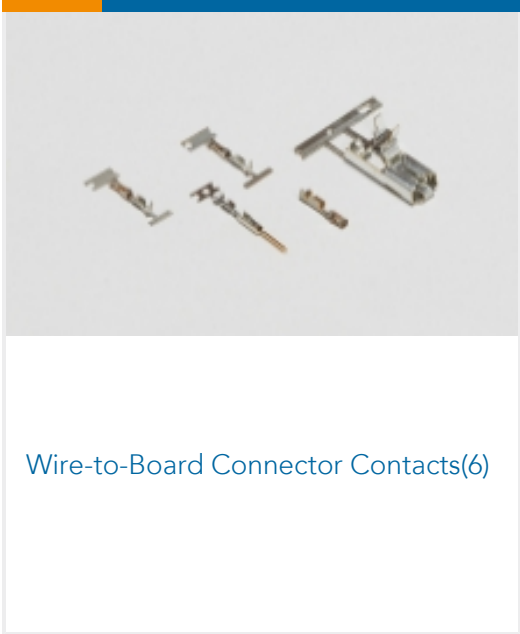
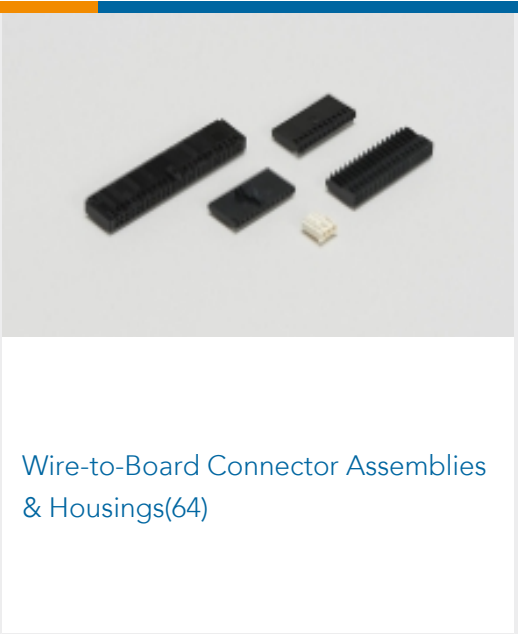
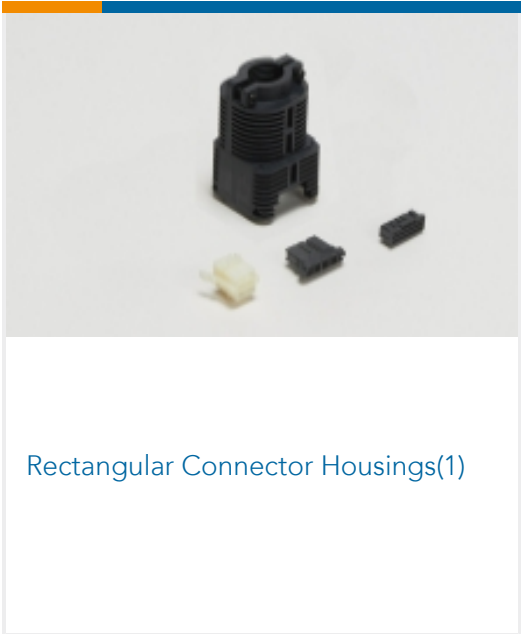
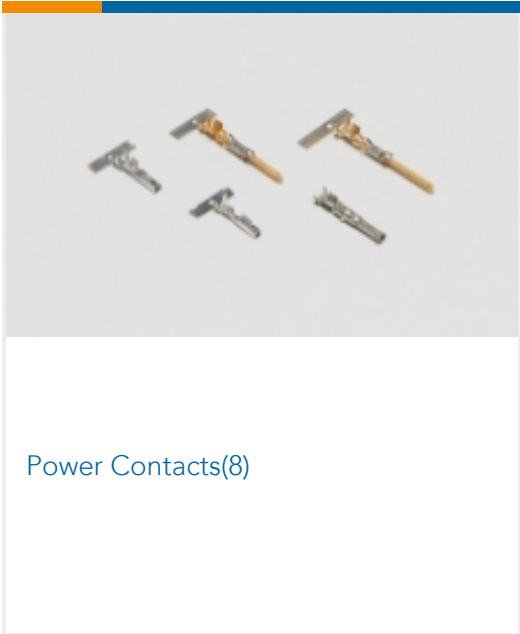
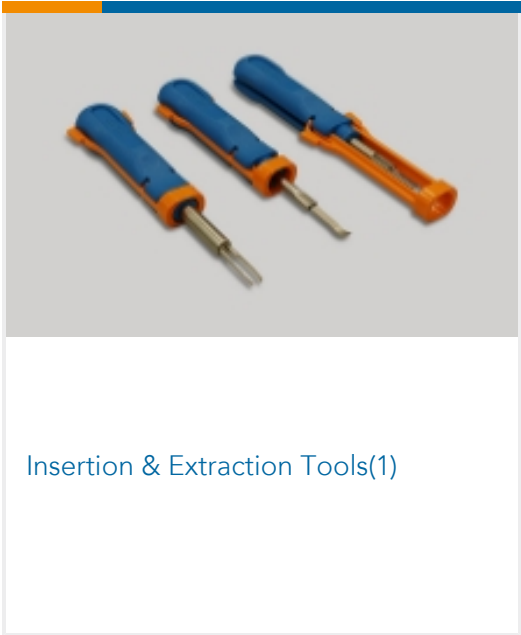
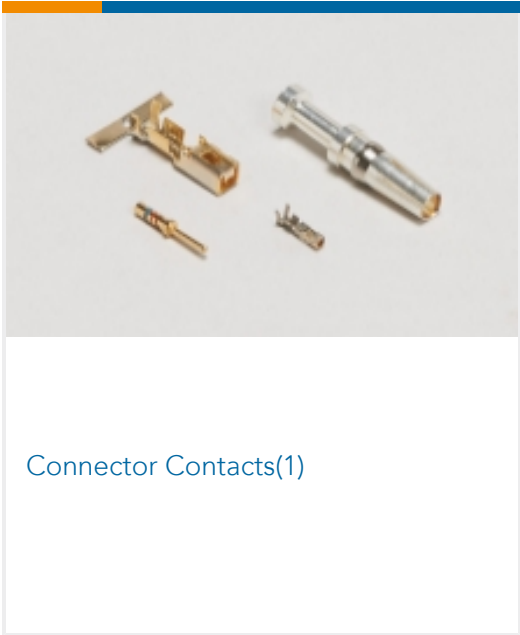
TE Part # 1-1123723-0  
3.96 EP HDR ASSY 10P(NATURAL)



TE Part # 1123721-1  
EP CONN. REC CONTACT

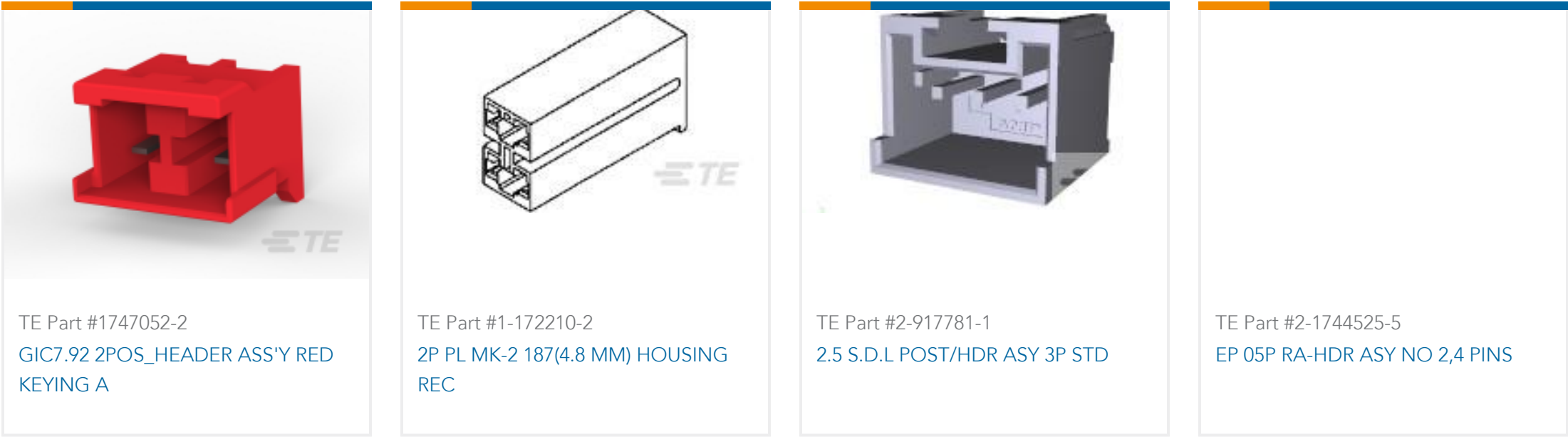


Also in the Series | Economy Power



Customers Also Bought





Documents

Product Drawings

3.96 EP PLUG HSG 10P(NATURAL)

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1123722-0\_N.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1123722-0\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1123722-0\_N.3d\_stp.zip

English

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

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

Product Specifications

ECONOMY POWER(EP) CONNECTOR(BRASS)

Japanese

ECONOMY POWER(EP) CONNECTOR(BRASS)

Japanese

ECONOMY POWER(EP) CONNECTOR(BRASS)

English

Product Environmental Compliance

MD\_1-1123722-0\_09062018628\_dmtec

English

MD\_1-1123722-0\_09062018628\_dmtec

English



Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

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Agency Approvals

UL Report

English