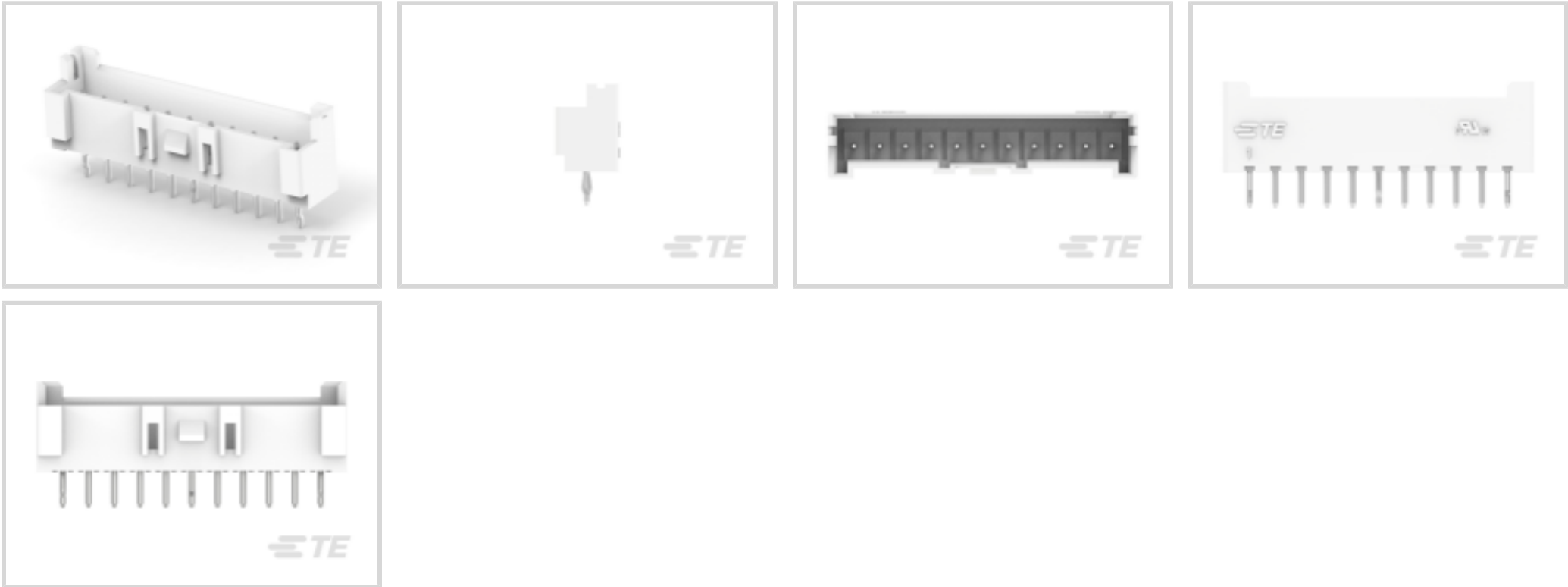




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**  
Connector & Housing Type: **Plug**  
Connector System: **Wire-to-Board, Wire-to-Wire**  
Number of Positions: **11**  
Centerline (Pitch): **2.5 mm [ .098 in ]**

Features

Product Type Features

|                                   |                             |
|-----------------------------------|-----------------------------|
| Header Type                       | Fully Shrouded              |
| Rectangular Power Connector Type  | Header                      |
| Connector & Housing Type          | Plug                        |
| Connector System                  | Wire-to-Board, Wire-to-Wire |
| Sealable                          | No                          |
| Connector & Contact Terminates To | Printed Circuit Board       |

Configuration Features

|                            |          |
|----------------------------|----------|
| Number of Columns          | 11       |
| Number of Loaded Positions | 11       |
| Number of Positions        | 11       |
| PCB Mount Orientation      | Vertical |
| Number of Power Positions  | 11       |
| Number of Rows             | 1        |

Electrical Characteristics



|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Contact Features

|                                                |                  |
|------------------------------------------------|------------------|
| Contact Underplating Material                  | Nickel           |
| Contact Base Material                          | Brass            |
| Contact Current Rating (Max)                   | 4.2 A            |
| Contact Retention Within Housing               | Without          |
| Contact Type                                   | Pin              |
| PCB Contact Termination Area Plating Material  | Tin              |
| Contact Mating Area Plating Material           | Tin              |
| Contact Mating Area Plating Material Thickness | 2.032 µm[80 µin] |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---------------------------------------------|-----------------------|

Mechanical Attachment

|                          |              |
|--------------------------|--------------|
| Mating Alignment Type    | Polarization |
| Mating Alignment         | With         |
| PCB Mount Retention      | With         |
| PCB Mount Retention Type | Kinked Legs  |
| Connector Mounting Type  | Board Mount  |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 2.5 mm[.098 in] |
| Housing Color      | Natural         |
| Housing Material   | PA 66           |

Dimensions

|        |                 |
|--------|-----------------|
| Height | 8.8 mm[.346 in] |
| Length | 30 mm[1.18 in]  |
| Width  | 6.4 mm[.251 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
| Shielded                    | No                         |

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards



|                           |                            |
|---------------------------|----------------------------|
| Glow Wire Material Rating | Material with GWFI 850°C   |
| UL Flammability Rating    | UL 94V-0                   |
| Glow Wire Rating          | GWT 850°C (Flame ≤ 30 sec) |
| UL Rating                 | Recognized                 |
| Agency/Standard           | UL                         |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 500 |

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 2022 (224)<br>Candidate List Declared Against: JUL 2017 (174)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                           |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                             |

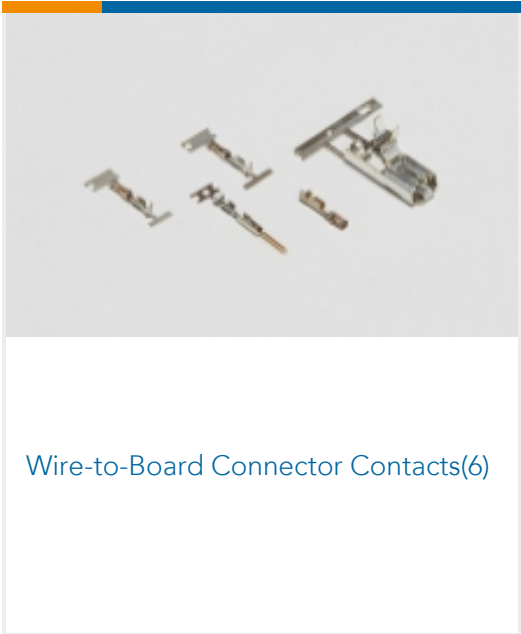
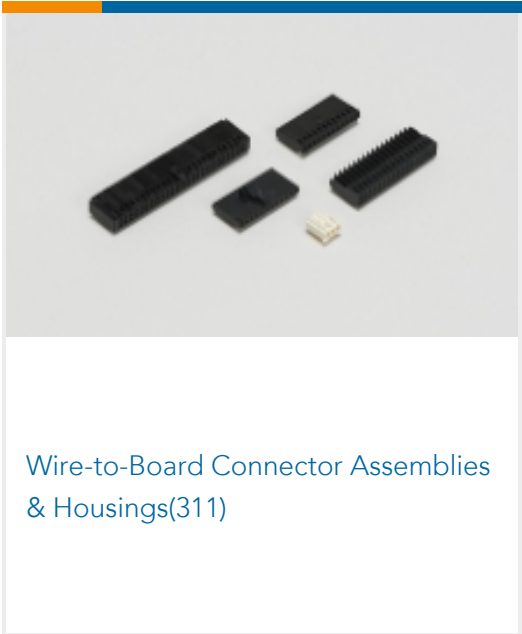
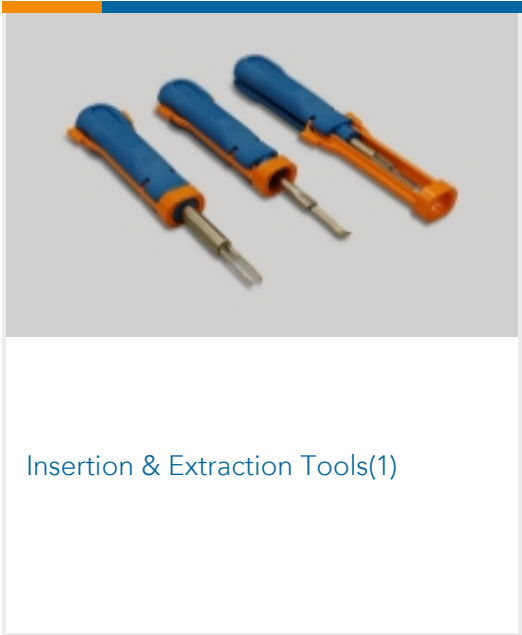
Product Compliance Disclaimer

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Also in the Series | Economy Power 2.5



Documents

Product Drawings

EP2.5 Shrd HDR ASSY 11P VERT, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1744439-1\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1744439-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1744439-1\_F.3d\_stp.zip

English



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

Datasheets & Catalog Pages

7-1773461-6\_EP2.5\_Connector\_Series

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English