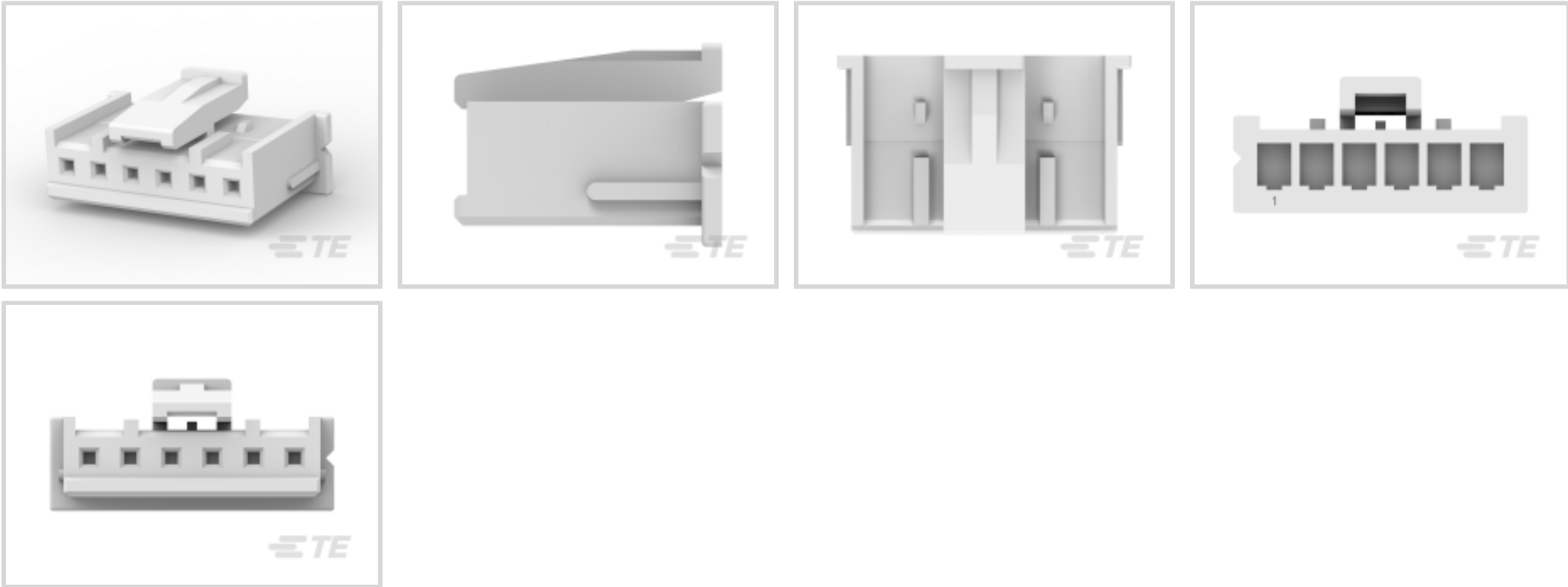




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

Centerline (Pitch): **2.5 mm [ .098 in ]**

Features

Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Connector Product Type            | Housing       |
| Connector & Housing Type          | Receptacle    |
| Connector System                  | Wire-to-Board |
| Sealable                          | No            |
| Connector & Contact Terminates To | Wire & Cable  |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 6 |
| Number of Rows      | 1 |

Electrical Characteristics

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

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|  |  |
|--|--|
|  |  |
|--|--|



|                              |              |
|------------------------------|--------------|
| Contact Base Material        | Copper Alloy |
| Contact Type                 | Socket       |
| Contact Current Rating (Max) | 4.5 A        |

Termination Features

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

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Strain Relief           | Without                    |
| Panel Mount Feature     | Without                    |
| Mating Retention Type   | Latch                      |
| PCB Mount Retention     | Without                    |
| Mating Retention        | With                       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                             |                  |
|-----------------------------|------------------|
| Housing Material            | Nylon GF         |
| Housing Entry Configuration | Both Ends Closed |
| Centerline (Pitch)          | 2.5 mm[.098 in]  |

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Width  | 9.58 mm[.377 in] |
| Connector Height | 8 mm[.315 in]    |
| Wire Size        | 26 – 22 AWG      |
| Connector Length | 17.3 mm[.681 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

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

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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| 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 # 1744423-1  
EP 2.5 RCPT CONTACT, 24-20 AWG

TE Part # 2304185-6  
EP2.5 SHROUDED HDR ASSY 6P VERT W/O BOSS

TE Part # 2299683-6  
EP2.5 HDR 6P VERT W/O BOSS, TAPING

TE Part # 1744426-6  
Header Housing Assy, EP 2.5 RA, 6 Pos.



TE Part # 1-2299683-6  
EP2.5 HDR 6P VERT W/O BOSS,  
TAPING,RED

TE Part # 1744446-6  
Hdr Assy, EP 2.5 RA, 6 Pos., GW

TE Part # 3-2299683-6  
EP2.5 HDR 6P VERT W/O BOSS,  
TAPING,BLACK

TE Part # 2482324-1  
EXTRACTION TOOL

TE Part # 2110989-1  
EP 2.5 RCPT CONTACT, 26-22 AWG

TE Part # 2-2299683-6  
EP2.5 HDR 6P VERT W/O BOSS,  
TAPING,BLUE

TE Part # 2132415-6  
EP2.5 Shrouded HDR ASSY 6P VERT w  
/o boss

TE Part # 4-2299683-6  
EP2.5 HDR 6P VERT W/O BOSS,  
TAPING,YELLOW

TE Part # 5-2299683-6  
EP2.5 HDR 6P VERT W/O BOSS,  
TAPING,GREEN

TE Part # 1969443-6  
EP 2.5 TPA Retainer, 6 Pos

TE Part # 1744418-6  
6 POS EP 2.5 HDR, GLOW WIRE

TE Part # 1744439-6  
EP2.5 Shrd HDR ASSY 6P VERT, GW

TE Part # 2132230-6  
EP2.5 Shrouded HDR ASSY 6P VER

Also in the Series | Economy Power 2.5

Connector Contacts(6)

Connector Hardware(49)

PCB Headers & Receptacles(533)

Rectangular Power Connectors(531)



Wire-to-Board Connector Assemblies & Housings(305)



Wire-to-Board Headers & Receptacles (533)

Customers Also Bought



TE Part #1-1969442-0  
EP 2.5 TPA Housing, 10 Pos



TE Part #1-1969443-4  
EP 2.5 TPA Retainer, 14 Pos



TE Part #6-1534796-4  
AMP DUOPLUG MARK II CONNECTOR



TE Part #1-1969442-4  
EP 2.5 TPA Housing, 14 Pos



TE Part #2110989-1  
EP 2.5 RCPT CONTACT, 26-22 AWG



TE Part #1969442-4  
EP 2.5 TPA Housing, 4 Pos



TE Part #1969442-9  
EP 2.5 TPA Housing, 9 Pos



TE Part #1969442-5  
EP 2.5 TPA Housing, 5 Pos



TE Part #63119-1  
POSITIVE LOCK 250 REC 22-18 AWG TPBR



TE Part #1969442-8  
EP 2.5 TPA Housing, 8 Pos

Documents

Product Drawings

EP 2.5 TPA Housing, 6 Pos

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1969442-6\_C.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1969442-6\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1969442-6\\_C.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

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[VDE Certificate](#)

English