



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: **8**  
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 | 8 |
| Number of Rows      | 1 |

Electrical Characteristics

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

Body Features

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

Contact Features

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



|                |        |
|----------------|--------|
| Contact Layout | Inline |
| Contact Type   | Socket |

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Length | 22.3 mm[.876 in] |
| Connector Height | 5.7 mm[.224 in]  |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                        |           |
|------------------------|-----------|
| Glow Wire Rating       | Glow Wire |
| UL Flammability Rating | UL 94V-0  |

Packaging Features

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

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                              |           |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

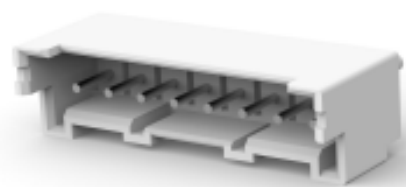
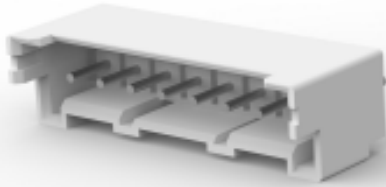
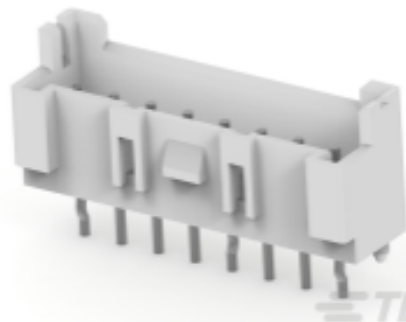


|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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

|                                                                                                                                           |                                                                                                                                              |                                                                                                                                                        |                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 1744418-8<br>8 POS EP 2.5 HDR, GLOW WIRE | <br>TE Part # 1744423-1<br>EP 2.5 RCPT CONTACT, 24-20 AWG | <br>TE Part # 2110989-1<br>EP 2.5 RCPT CONTACT, 26-22 AWG         | <br>TE Part # 1744439-8<br>EP2.5 Shrd HDR ASSY 8P VERT, GW |
| <br>TE Part # 2404280-8<br>EP 2.5 HDR, GLOW WIRE, 8P   | <br>TE Part # 1969443-8<br>EP 2.5 TPA Retainer, 8 Pos     | <br>TE Part # 1744426-8<br>Header Housing Assy, EP 2.5 RA, 8 Pos. | <br>TE Part # 1969541-8<br>RETAINER, TPA, DUAL ROW, EP2.5  |



TE Part # 2132230-8  
EP2.5 Shrouded HDR ASSY 8P VER

TE Part # 1744446-8  
Hdr Assy, EP 2.5 RA, 8 Pos., GW

TE Part # 2132415-8  
EP2.5 Shrouded HDR ASSY 8P VERT w /o boss

TE Part # 5-2299683-8  
EP2.5 HDR 8P VERT W/O BOSS, TAPING, GREEN

TE Part # 2470203-8  
EP 2.5 HDR, GWT, without boss, 8P

Also in the Series | Economy Power 2.5

Connector Contacts(6)

Connector Hardware(49)

PCB Headers & Receptacles(494)

Rectangular Power Connectors(43)

Wire-to-Board Connector Assemblies & Housings(311)

Customers Also Bought

TE Part # 3-640426-8  
08P MTA156 CONN ASSY 18AWG ORA

TE Part # 1744416-8  
8 POS EP II HSG, GLOW WIRE

TE Part # 1744423-1  
EP 2.5 RCPT CONTACT, 24-20 AWG

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



TE Part # 6116151-1  
MJ,2X1RJ45+2USB,BLACK,NOLEDS

TE Part # 1969442-6  
EP 2.5 TPA Housing, 6 Pos

TE Part # 1744417-5  
5 POS EP 2.5 HSG, GLOW WIRE

TE Part # 2157553-1  
RF BACKPLANE MODULE 8 POS

Documents

Product Drawings

8 POS EP 2.5 HSG, GLOW WIRE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1744417-8\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744417-8\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744417-8\_D.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