



Connectors > Connector Accessories > Connector Hardware



Connector Hardware Accessory Type: **TPA (Terminal Position Assurance)**

Primary Product Color: **Black**

Primary Product Material: **Nylon GF**

Number of Positions: **4**

Operating Temperature (Max): **105 °C [ 221 °F ]**

Features

Product Type Features

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Connector Hardware Accessory Type | TPA (Terminal Position Assurance) |
| Hardware Accessory Function       | Position Assurance                |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Rows      | 1 |
| Number of Positions | 4 |

Body Features

|                          |          |
|--------------------------|----------|
| Primary Product Color    | Black    |
| Primary Product Material | Nylon GF |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 2.5 mm[.098 in] |
|--------------------|-----------------|

Dimensions

|                |                  |
|----------------|------------------|
| Product Length | 9.4 mm[.37 in]   |
| Product Height | 2.51 mm[.099 in] |

Usage Conditions



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

Industry Standards

|                  |                               |
|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Bag  |
| Packaging Quantity | 1000 |

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 # 1969825-4  
EP 2.5 TPA RETAINER, 4 POS

TE Part # 1744417-4  
4 POS EP 2.5 HSG, GLOW WIRE

TE Part # 1969825-2  
EP 2.5 TPA Retainer, 2 Pos

TE Part # 1969825-3  
EP 2.5 TPA RETAINER, 3 POS

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 # 1969825-5  
EP 2.5 TPA RETAINER, 5 POS

TE Part # 2-2299683-4  
EP2.5 HDR 4P VERT W/O BOSS, TAPING,BLUE

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

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

TE Part # 3-2299683-4  
EP2.5 HDR 4P VERT W/O BOSS, TAPING,BLACK

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

TE Part # 1-2299683-4  
EP2.5 HDR 4P VERT W/O BOSS, TAPING,RED

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

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)

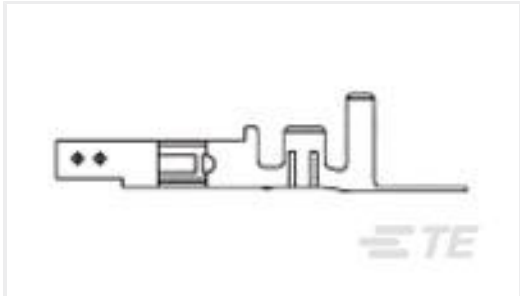
Customers Also Bought



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



TE Part #5-1971775-3  
PTL 2X3 CAP PANEL MT HIGH TEMP KEY A LGR



TE Part #2238019-1  
VAL-U-LOK SKT BR SN 22-26AWG



TE Part #1971777-3  
PTL TPA HIGH TEMP 1 x 3 BLACK



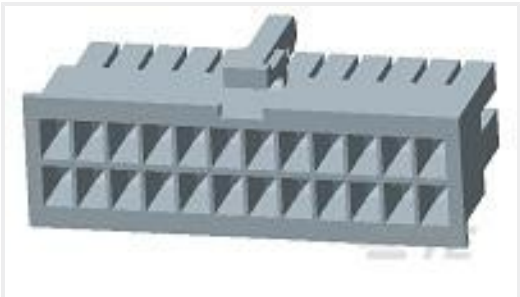
TE Part #1969443-8  
EP 2.5 TPA Retainer, 8 Pos



TE Part #1971788-2  
PTL TAB CONTACT, 2X18 AWG



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



TE Part #1-1969614-0  
10P RCPT VAL-U-LOK V0



TE Part #5-1971773-3  
PTL 1X3 PLUG HSG HIGH TEMP KEY A LGR



TE Part #63850-1  
187 FASTON REC 20-16 AWG NPST

Documents

Product Drawings

EP 2.5 TPA Retainer, 4 Pos

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1969443-4\_B.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1969443-4\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1969443-4\\_B.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