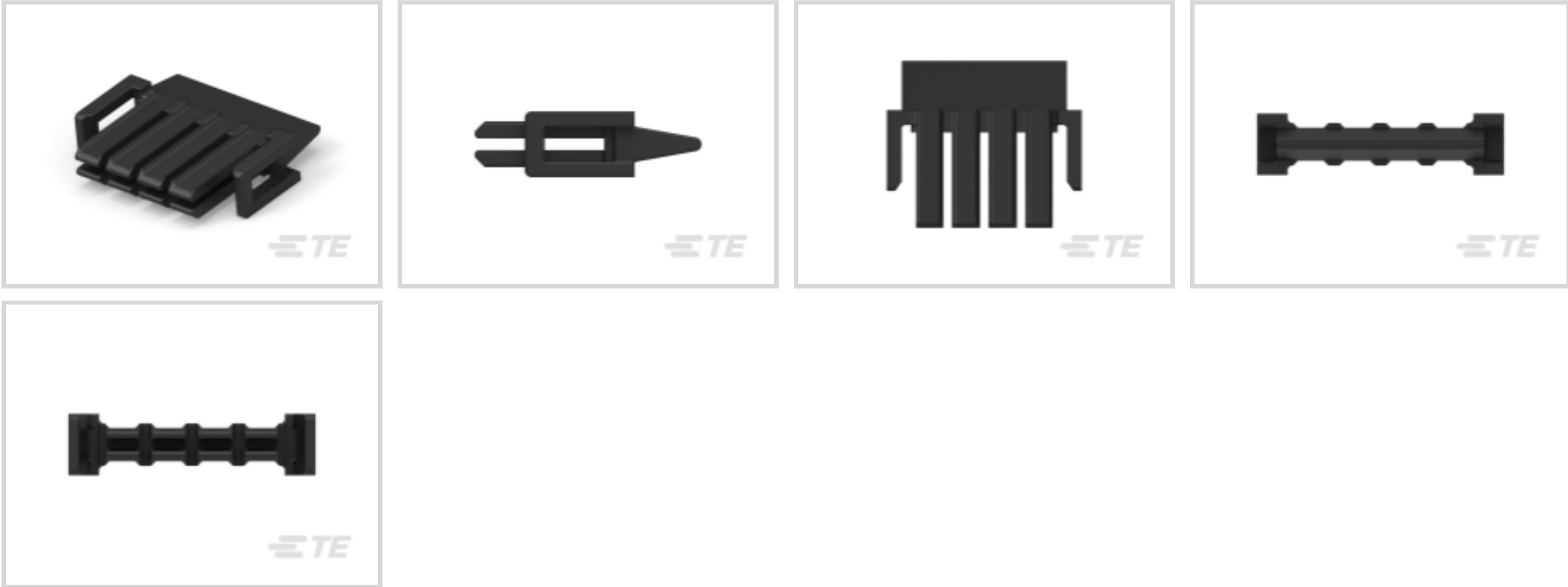




Connectors > Connector Accessories > Connector Hardware



Hardware Accessory Function: **Position Assurance**

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

Primary Product Color: **Black**

Number of Positions: **8**

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

Features

Product Type Features

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

Configuration Features

|                     |   |
|---------------------|---|
| Number of Rows      | 2 |
| Number of Positions | 8 |

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Housing Features

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

Dimensions

|                |                  |
|----------------|------------------|
| Product Height | 11.35 mm[.45 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 Quantity | 12000 |
| Packaging Method   | Bag   |

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

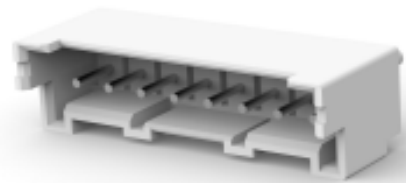
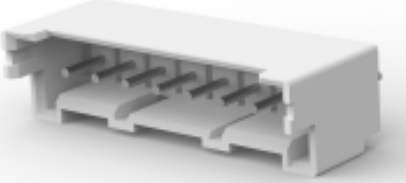
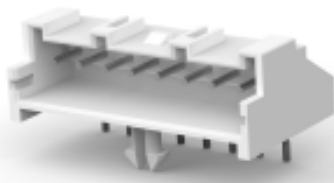
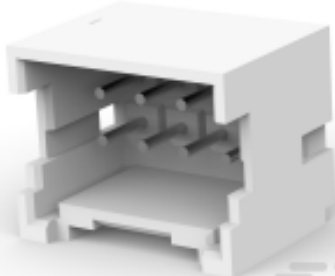
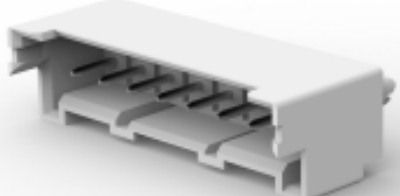
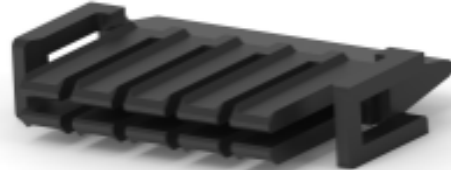
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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



|                                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 1744418-8<br>8 POS EP 2.5 HDR, GLOW WIRE                | <br>TE Part # 1744417-8<br>8 POS EP 2.5 HSG, GLOW WIRE                | <br>TE Part # 1744439-8<br>EP2.5 Shrd HDR ASSY 8P VERT, GW             | <br>TE Part # 1969590-8<br>HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5 |
| <br>TE Part # 4-1969541-0<br>RETAINER, TPA, DUAL ROW, EP2.5           | <br>TE Part # 2-1969541-0<br>RETAINER, TPA, DUAL ROW, EP2.5           | <br>TE Part # 3-1969541-0<br>RETAINER, TPA, DUAL ROW, EP2.5            | <br>TE Part # 1969442-8<br>EP 2.5 TPA Housing, 8 Pos               |
| <br>TE Part # 1969588-8<br>HSG, REC, FREE-HANGING, SINGLE ROW,EP2.5 | <br>TE Part # 1744426-8<br>Header Housing Assy, EP 2.5 RA, 8 Pos.   | <br>TE Part # 1969543-8<br>ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5  | <br>TE Part # 2132230-8<br>EP2.5 Shrouded HDR ASSY 8P VER        |
| <br>TE Part # 1-1969541-0<br>RETAINER, TPA, DUAL ROW, EP2.5         | <br>TE Part # 2-1969541-4<br>RETAINER, TPA, DUAL ROW, EP2.5         | <br>TE Part # 1-1969541-2<br>RETAINER, TPA, DUAL ROW, EP2.5          | <br>TE Part # 1-1969541-8<br>RETAINER, TPA, DUAL ROW, EP2.5      |
| <br>TE Part # 1744446-8<br>Hdr Assy, EP 2.5 RA, 8 Pos., GW          | <br>TE Part # 1969589-8<br>HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5 | <br>TE Part # 1969591-8<br>HSG,REC,PANEL MOUNT,GWT, SINGLE ROW,EP2.5 | <br>TE Part # 2-1969541-8<br>RETAINER, TPA, DUAL ROW, EP2.5      |

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(305)

Customers Also Bought

TE Part #1744416-7  
7 POS EP II HSG, GLOW WIRE

TE Part #61546-1  
RING TONGUE 10-6 AWG TPCUBR

TE Part #1969609-2  
2P VAL-U-LOK TPA 26-22 AWG

TE Part #2232902-1  
AMP POWER DBL LOCK REC (S)

TE Part #6-1971773-4  
PTL 1X4 PLUG HSG HIGH TEMP KEY B RED

TE Part #917531-1  
040 MLC T.F. PLUG HSG 14P NATU

TE Part #1-282002-4  
MONO-SHAPE MK I CONN. ASSY TAB 2P

TE Part #2-456405-7  
CRIMPER, WIRE .080 "F"

TE Part #2318468-1  
2.5 SMC RECEPTACLE CONTACT

ANVIL  
REPRESENTATION ONLY  
TE Part #8-1633383-6  
ANVIL, COMBINATION

Documents



Product Drawings

RETAINER, TPA, DUAL ROW, EP2.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1969541-8\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1969541-8\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1969541-8\_A.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