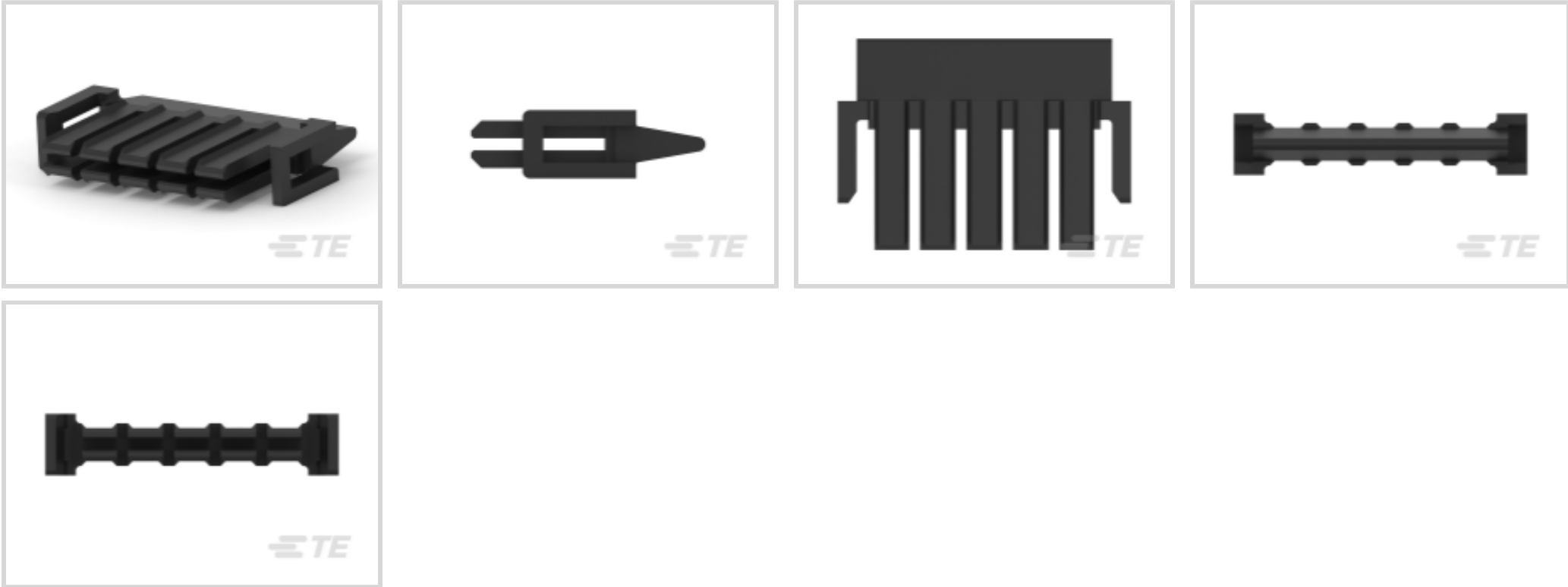




Connectors > Connector Accessories > Connector Hardware



Hardware Accessory Function: **Position Assurance**

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

Primary Product Color: **Black**

Number of Positions: **10**

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	10

Body Features

Primary Product Color	Black
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Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
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Dimensions

Product Height	11.35 mm[.45 in]
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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
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Packaging Features

Packaging Quantity	2900
Packaging Method	Bag

Product Compliance

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

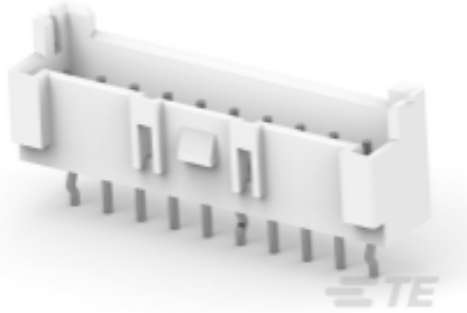
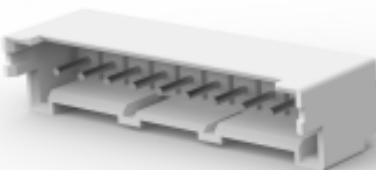
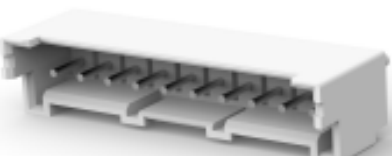
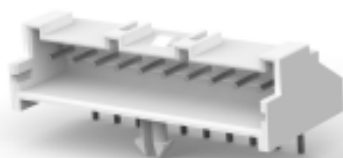
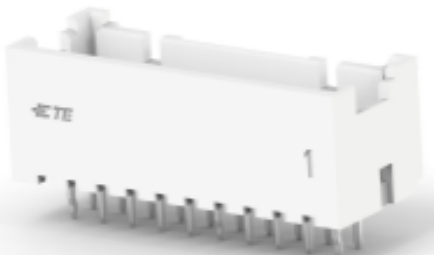
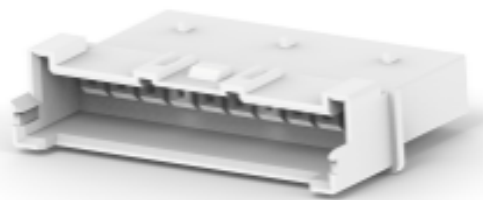
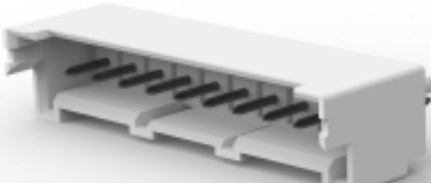
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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



 TE Part # 1-2132415-0 EP2.5 Shrouded HDR ASSY 10P VERT w/oboss	 TE Part # 4-1969541-0 RETAINER, TPA, DUAL ROW, EP2.5	 TE Part # 2-1969541-0 RETAINER, TPA, DUAL ROW, EP2.5	 TE Part # 3-1969541-0 RETAINER, TPA, DUAL ROW, EP2.5
 TE Part # 3-1969541-4 RETAINER, TPA, DUAL ROW, EP2.5	 TE Part # 1-1969442-0 EP 2.5 TPA Housing, 10 Pos	 TE Part # 1-1744439-0 EP2.5 Shrd HDR ASSY 10P VERT, GW	 TE Part # 1-1744418-0 10 POS EP 2.5 HDR, GLOW WIRE
 TE Part # 1-1744426-0 Header Housing Assy, EP 2.5 RA, 10 Pos.	 TE Part # 1-1969582-0 ASSY, HDR, VERT, NO-BOSS, DUAL ROW,EP2.5	 TE Part # 1969541-8 RETAINER, TPA, DUAL ROW, EP2.5	 TE Part # 1-1744417-0 10 POS EP 2.5 HSG, GLOW WIRE
 TE Part # 2-1969541-4 RETAINER, TPA, DUAL ROW, EP2.5	 TE Part # 1-1969541-2 RETAINER, TPA, DUAL ROW, EP2.5	 TE Part # 1-1969541-8 RETAINER, TPA, DUAL ROW, EP2.5	 TE Part # 1-1969588-0 HSG, REC, FREE-HANGING, SINGLE ROW,EP2.5
 TE Part # 1-1969590-0 HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5	 TE Part # 1-2132230-0 EP2.5 Shrouded HDR ASSY 10P VE	 TE Part # 2-1969541-8 RETAINER, TPA, DUAL ROW, EP2.5	 TE Part # 1-1744446-0 Hdr Assy, EP 2.5 RA, 10 Pos., GW

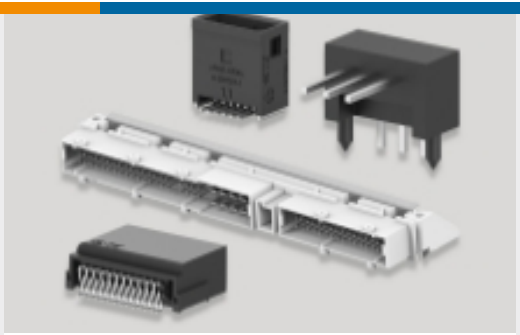
Also in the Series | Economy Power 2.5



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 # 5-1971876-3
High Temperature Plug - POWER TRIPLE LOCK



TE Part # 1971778-3
PTL TPA HIGH TEMP 2 x 3 BLACK



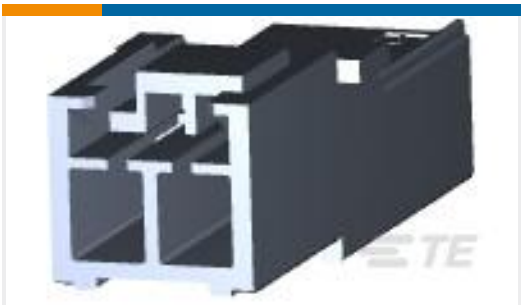
TE Part # 1-1969442-1
EP 2.5 TPA Housing, 11 Pos



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



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



TE Part # 1-176282-1
AMP UNIVERSAL POWER CAP 2P



TE Part # 1-1969540-0
HOUSING, PLUG, 10P,DUAL ROW, EP2.5

Documents

Product Drawings
RETAINER, TPA, DUAL ROW, EP2.5
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-1969541-0_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-1969541-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1969541-0_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