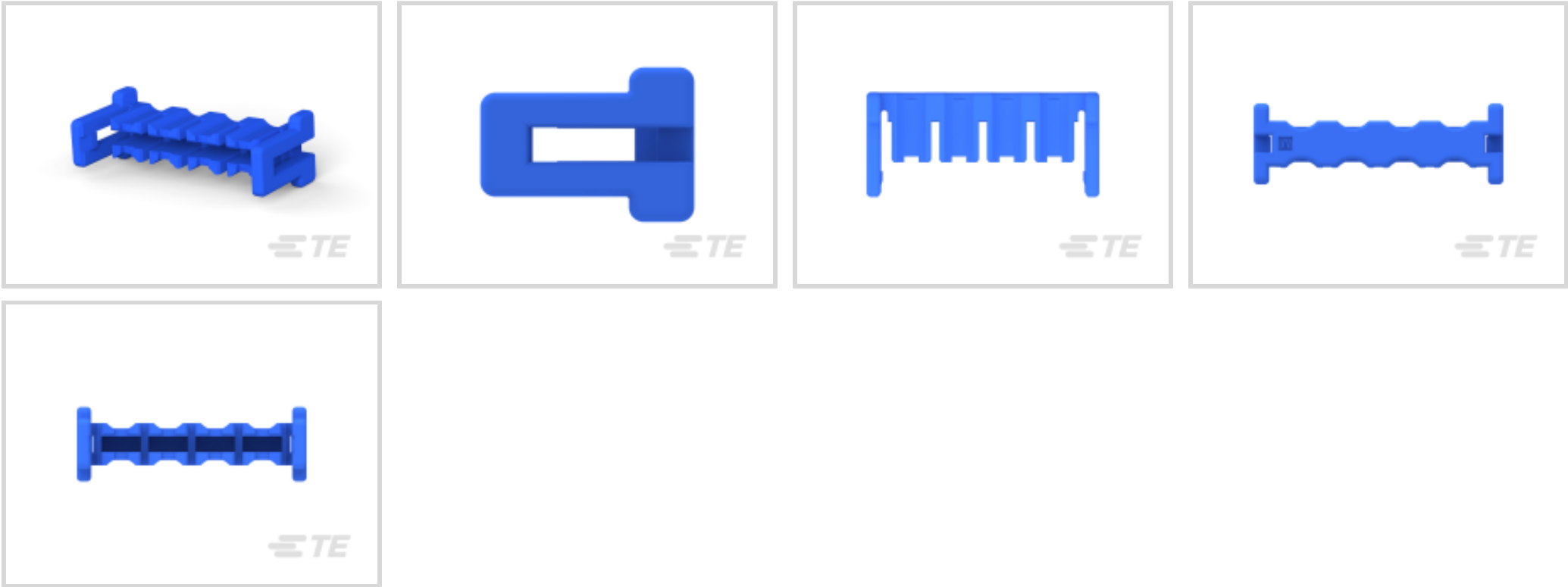




Connectors > Connector Accessories > Connector Hardware



Hardware Accessory Function: **Position Assurance**

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

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

Operating Temperature Range: **-30 – 105 °C [ -22 – 221 °F ]**

Features

Product Type Features

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

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |

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 2025 (250)<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 reviewed for solder process capability

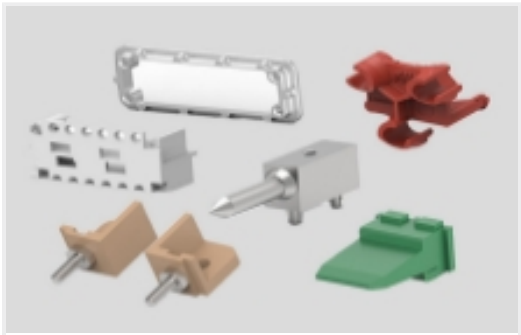
Product Compliance Disclaimer

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

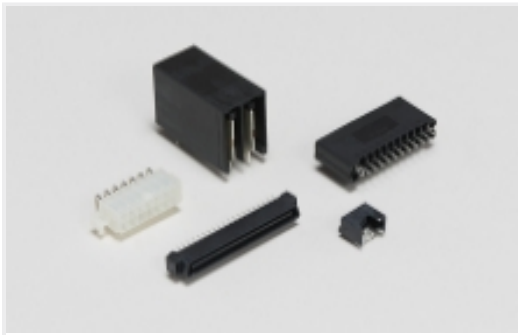
|                                                                                                                                                 |                                                                                                                                           |                                                                                                                                             |                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 4-1971904-3<br/>TPA 6POS,YELLOW,NEW GIC3.3</p> |  <p>TE Part # 4-1971904-2<br/>TPA 4POS,NEW GIC3.3</p> |  <p>TE Part # 2-1971904-7<br/>TPA 14POS,NEW GIC3.3</p> |  <p>TE Part # 2-1971904-6<br/>TPA 12POS,NEW GIC3.3</p> |
|  <p>TE Part # 2-1971904-2<br/>TPA 4POS,NEW GIC3.3</p>        |  <p>TE Part # 2-1971904-3<br/>TPA 6POS,NEW GIC3.3</p> |  <p>TE Part # 2-1971904-5<br/>TPA 10POS,NEW GIC3.3</p> |  <p>TE Part # CAT-G7534-T669<br/>GRACE INERTIA TPA</p> |

Also in the Series | GRACE INERTIA 3.3

|                                                                                                                  |                                                                                                                    |                                                                                                                |                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|  <p>Connector Contacts(3)</p> |  <p>Connector Hardware(15)</p> |  <p>Power Contacts(3)</p> |  <p>Rectangular Connector Housings(34)</p> |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|



[Rectangular Power Connectors\(70\)](#)



[Standard Rectangular Connectors\(34\)](#)

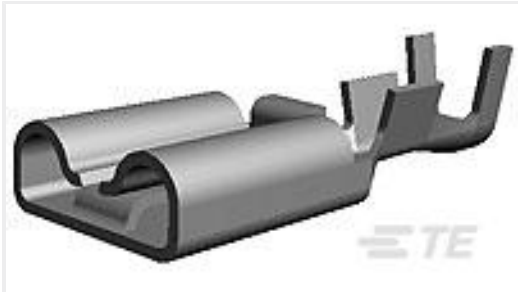


[Wire-to-Board Connector Assemblies & Housings\(34\)](#)

Customers Also Bought



TE Part #170225-2  
[RING TERMINAL AUTOMATIC 22-18 AWG TP](#)



TE Part #175020-1  
[250 PL EX REC. 22-18AWG PTBR](#)



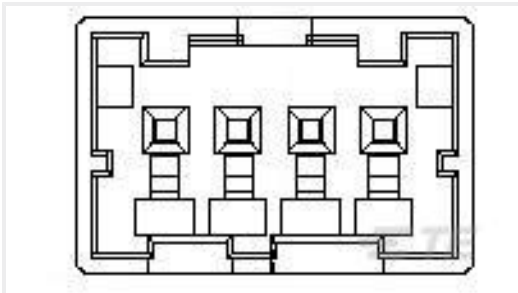
TE Part #175057-2  
[250 PL EX FLAG REC. 18-12AWG PTBR](#)



TE Part #179974-6  
[250 PL EX REC. 18-14AWG PTBR](#)



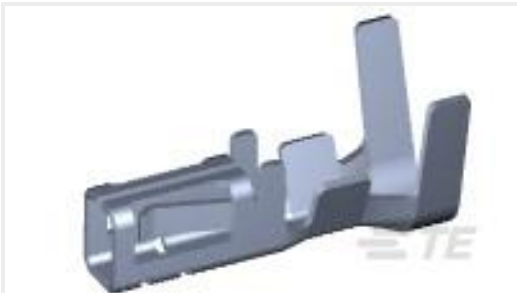
TE Part #353148-5  
[POSITIVE LOCK 187 HOUSING RECEPTACLE](#)



TE Part #1903393-1  
[GIC 2.5 W CAP HSG 4P NATURAL](#)



TE Part #CAT-G7534-P729A  
[Glow Wire GRACE INERTIA Plug](#)



TE Part #1983780-1  
[NG GIC 3.3 REC CONTACT TIN PLATE](#)



TE Part #2174065-4  
[REC. CONT. FMG. M-MOTOR PLUS](#)

Documents

Product Drawings

[TPA 8POS,NEW GIC3.3](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971904-4\\_C.2d\\_dxf.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971904-4\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971904-4\\_C.3d\\_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English