



Connectors > Connector Accessories > Connector Hardware



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

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

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

Hardware Accessory Function: **Position Assurance**

Features

Product Type Features

Connector Hardware Accessory Type	TPA (Terminal Position Assurance)
Hardware Accessory Function	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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

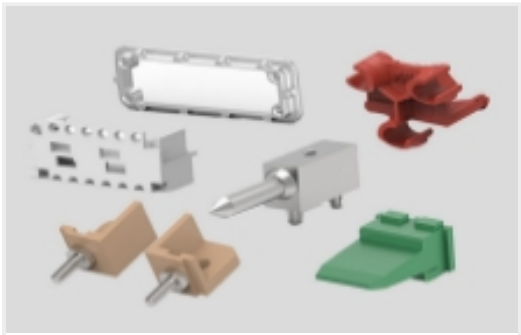
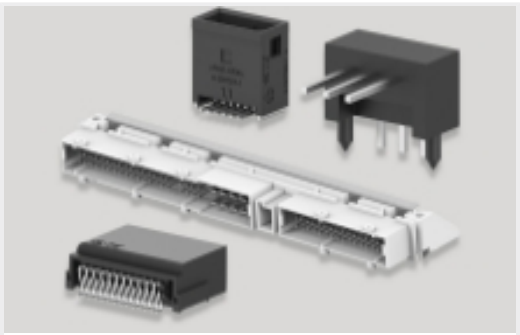
Product Compliance Disclaimer

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

 TE Part # 4-1971904-3 TPA 6POS,YELLOW,NEW GIC3.3	 TE Part # 2-1971904-4 TPA 8POS,NEW GIC3.3	 TE Part # 4-1971904-2 TPA 4POS,NEW GIC3.3	 TE Part # CAT-G7534-T669 GRACE INERTIA TPA
 TE Part # 2-1971904-6 TPA 12POS,NEW GIC3.3	 TE Part # 2-1971904-2 TPA 4POS,NEW GIC3.3	 TE Part # 2-1971904-3 TPA 6POS,NEW GIC3.3	 TE Part # 2-1971904-7 TPA 14POS,NEW GIC3.3

Also in the Series | GRACE INERTIA 3.3

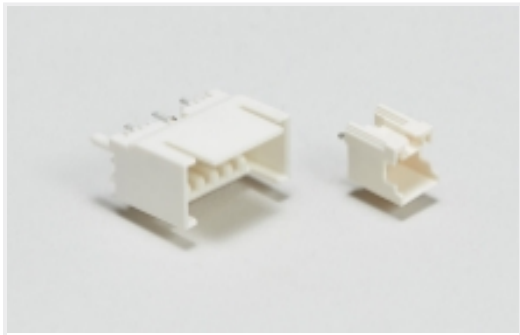
 Connector Contacts(3)	 Connector Hardware(15)	 PCB Headers & Receptacles(36)	 Power Contacts(3)
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Rectangular Connector Housings(34)



Rectangular Power Connectors(70)



Wire-to-Board Headers & Receptacles (36)

Customers Also Bought



TE Part #1-2315884-2
GIC2.5W CAPHOUSING 8POS (2-ROW) RED



TE Part #CAT-G7534A-P729
STD Temp Sig GRACE INERTIA Plug



TE Part #2232569-1
GIC 2.5 W PLUG HSG 4P NATURAL



TE Part #2-1565088-3
GRACE INERTIA CONNECTOR 3.5 6P



TE Part #3-1565082-4
GRACE INERTIA CONNECTOR 3.5 3P



TE Part #1633961-6
CRIMPER, INSULATION F PREMIUM



TE Part #234156-2
CRIMPER,WIRE



TE Part #4-1565081-2
GIC 3.5W 2P PLUG F

Documents

Product Drawings

TPA 10POS,NEW GIC3.3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1971904-5_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1971904-5_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1971904-5_C.3d_stp.zip

English

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[Product Specifications](#)

[Application Specification](#)

English