

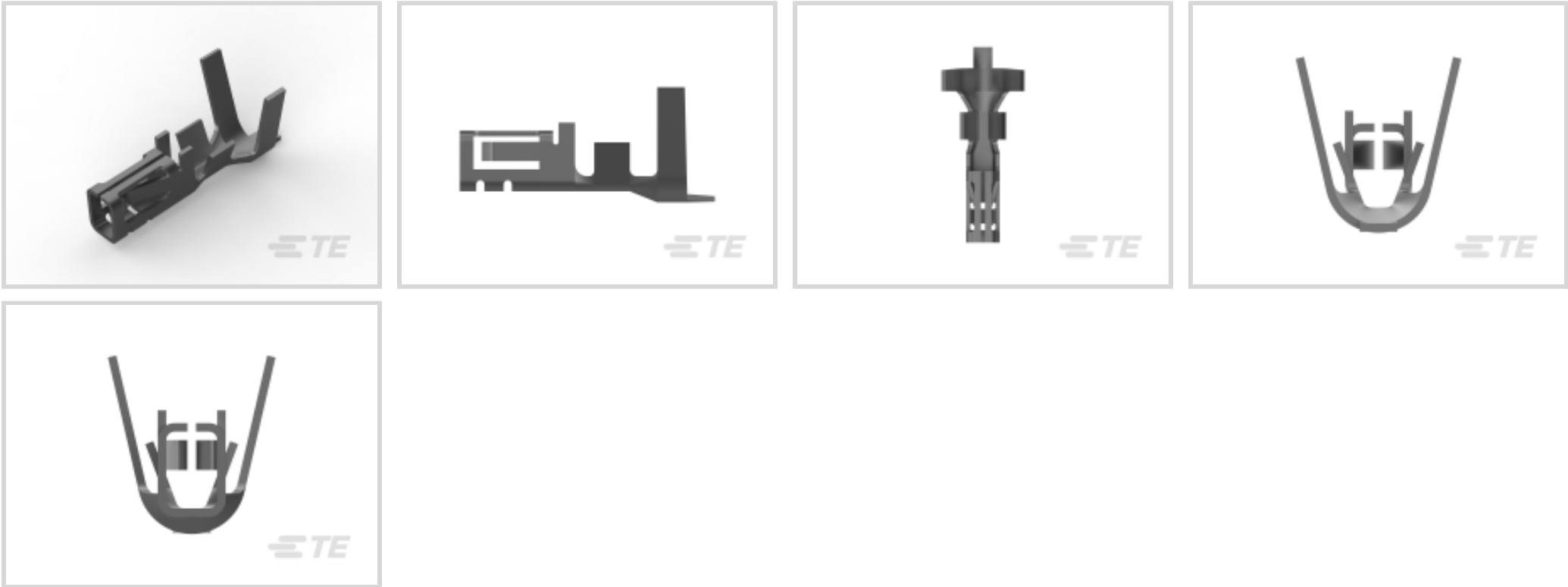


GRACE INERTIA 3.3

TE Internal #: 1983780-1
Receptacle Contact, Tin, 250 VAC, 250 VDC, Locking Lance Contact Retention, 24 – 20 AWG Wire Size, .204 – .517 mm² Wire Size, GRACE INERTIA 3.3

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Receptacle**
Contact Mating Area Plating Material: **Tin**
Wire Contact Termination Area Plating Material: **Tin**
Operating Voltage: **250 VDC**

Features

Packaging Features

Packaging Quantity	5000
Packaging Method	Reel

Product Type Features

Discrete Wire Type	Stranded
Sealable	No

Dimensions

Compatible Insulation Diameter Range	1.5 – 2.5 mm [.059 – .098 in]
Wire Size	404 – 1022 CMA

Mechanical Attachment

Wire Insulation Support	With
Contact Retention Type Within Housing	Locking Lance

Contact Features

Contact Orientation	Straight
Barrel Type	Open



Contact Type	Receptacle
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	4 A

Electrical Characteristics

Operating Voltage	250 VDC
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Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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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) Candidate List Declared Against: JUNE 2024 (241) 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 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

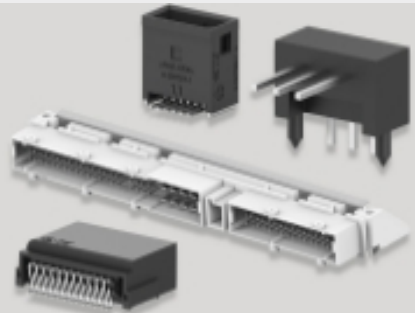


numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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>

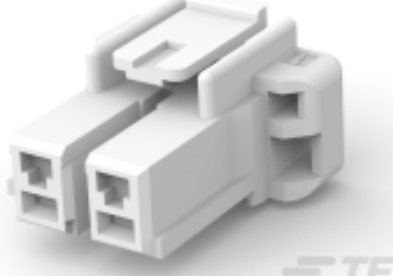
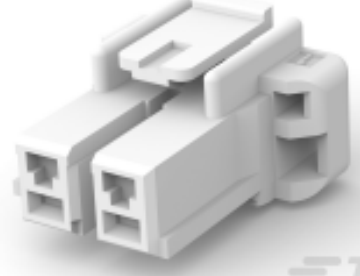
Compatible Parts

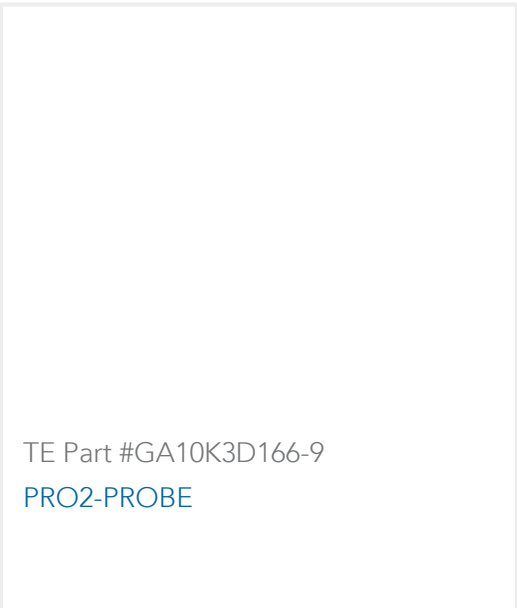
 TE Part # 1827395-2 GIC 3.3 REC CONTACT TIN PLATE	 TE Part # 2151949-1 OCEAN-2.0-APPLICATOR-S-050F102F-RSM	 TE Part # 2151949-2 OCEAN-2.0-APPLICATOR-S-050F102F-RSA	 TE Part # 7-2151949-7 OCEAN_2.0_SPARE_PART_KIT-050F102F
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Also in the Series | GRACE INERTIA 3.3

 Connector Contacts(3)	 Connector Hardware(15)	 PCB Headers & Receptacles(36)	 Rectangular Power Connectors(34)
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Customers Also Bought

 TE Part #1565086-1 GRACE INERTIA CONNECTOR 3.5 3P	 TE Part #3-1971905-3 PLUG HOUSING 6POS,KEYING-C, NEW GIC3.3	 TE Part #1744416-3 3 POS EP II HSG, GLOW WIRE	 TE Part #170213-2 250 FASTON,REC.,18-14 AWG,TPBR
 TE Part #1376393-2 STD Temp Power Key Plug	 TE Part #179974-6 250 PL EX REC. 18-14AWG PTBR	 TE Part #2013799-1 250 HSG. PL EX REC. BLACK	 TE Part #1376388-2 5MM POWER KEY 2P PLUG HSG NUT (W/O GF)



Documents

Product Drawings

NG GIC 3.3 REC CONTACT TIN PLATE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1983780-1_B_c-1983780-1-b.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1983780-1_B_c-1983780-1-b.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1983780-1_B_c-1983780-1-b.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

5-1773465-4-GI3.3Flyer

English

7-1773465-7-GI3.3-ChineseFlyer

GI3.3_QRG_CN

Product Specifications

Application Specification

English