

GRACE INERTIA 6.2

TE Internal #: 1746972-1

Receptacle Contact, Tin, 600 VAC, 600 VDC, Locking Lance Contact

Retention, 14 - 12 AWG Wire Size, 2.08 - 3.31 mm² Wire Size,

Crimp, GRACE INERTIA 6.2

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Connectors > Contacts > Connector Contacts > GRACE INERTIA Receptacle



Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VDC**

[All GRACE INERTIA Receptacle \(5\)](#)

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Mating Tab Width	3.1 mm[.122 in]
Mating Tab Thickness	.8 mm[.3 in]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Type	Receptacle
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With



Contact Base Material	Copper Alloy
Contact Current Rating (Max)	20 A

Termination Features

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

Mechanical Attachment

Wire Insulation Support	Without
Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	2.9 - 4.1 mm[.114 - .161 in]
Wire Size	2.08 - 3.31 mm²

Usage Conditions

Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
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Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	2000
Packaging Method	Reel

Product Compliance

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

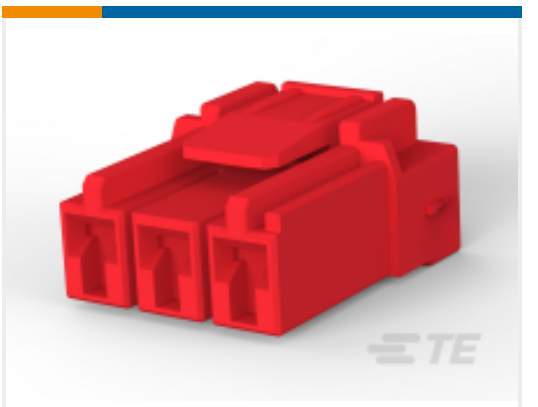
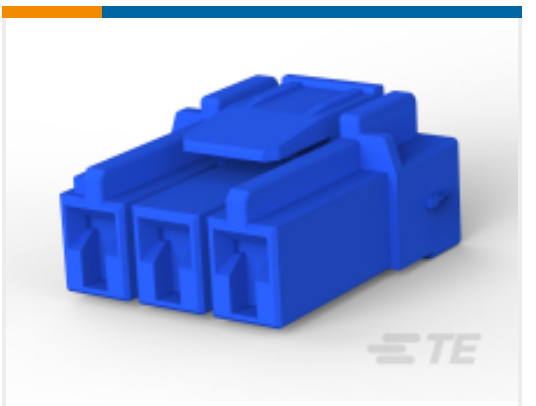
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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 # CAT-G7534-P729 STD Temp GRACE INERTIA Plug	 TE Part # 1747995-2 GHC EYELET 6.2 3POS PLUG HOUSING RED	 TE Part # 1746978-1 GRACE INERTIA 6.2mm PITCH CAP 3POS	 TE Part # CAT-G7534-P729A Glow Wire GRACE INERTIA Plug
 TE Part # 1747995-3 GHC EYELET 6.2 3POS PLUG HOUSING BLUE	 TE Part # 1747995-1 GHC EYELET 6.2 3POS PLUG HOUSING NATURAL	 TE Part # 1729674-1 SAHT GIC 6.2MM PITCH 14-12 ASSY	 TE Part # 1747995-4 GHC EYELET 6.2 3POS PLUG HOUSING YELLOW
 TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp	 TE Part # 2836047-1 OCEAN_2.0_Applicator-S-120F190F- RSM	 TE Part # 2836047-2 OCEAN_2.0_Applicator-S-120F190F- RSA	 TE Part # 4-1871867-1 GRACE INERTIA 6.2mm PITCH PLUG 3POS
 TE Part # 7-2836047-7 OCEAN_2.0_SPARE_PART_KIT- 120F190F	 TE Part # 7-2836047-1 OCEAN_2.0_Applicator-S-120F190F	 TE Part # 7-2836047-2 OCEAN_2.0_Applicator-S-120F190F	 TE Part # 4-1903414-2 GHC 9.0 3POS PLUG HSG BLACK



Also in the Series | GRACE INERTIA 6.2

Connector Contacts(4)	Connector Hardware(1)	Rectangular Power Connectors(13)

Customers Also Bought

Documents

Product Drawings
GRACE INERTIA CONNECTOR 6.2MM PITCH REC
English

CAD Files
Customer View Model
ENG_CVM_CVM_1746972-1_C.2d_dxf.zip



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1746972-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1746972-1_C.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773883-5 GRACE INERTIA connector quick reference guide](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Extraction Tool For Grace Inertia Connector](#)

Japanese

[Instruction Sheet \(non U.S.\)](#)

Japanese