



GRACE INERTIA 3.3

TE Internal #: 1827395-1

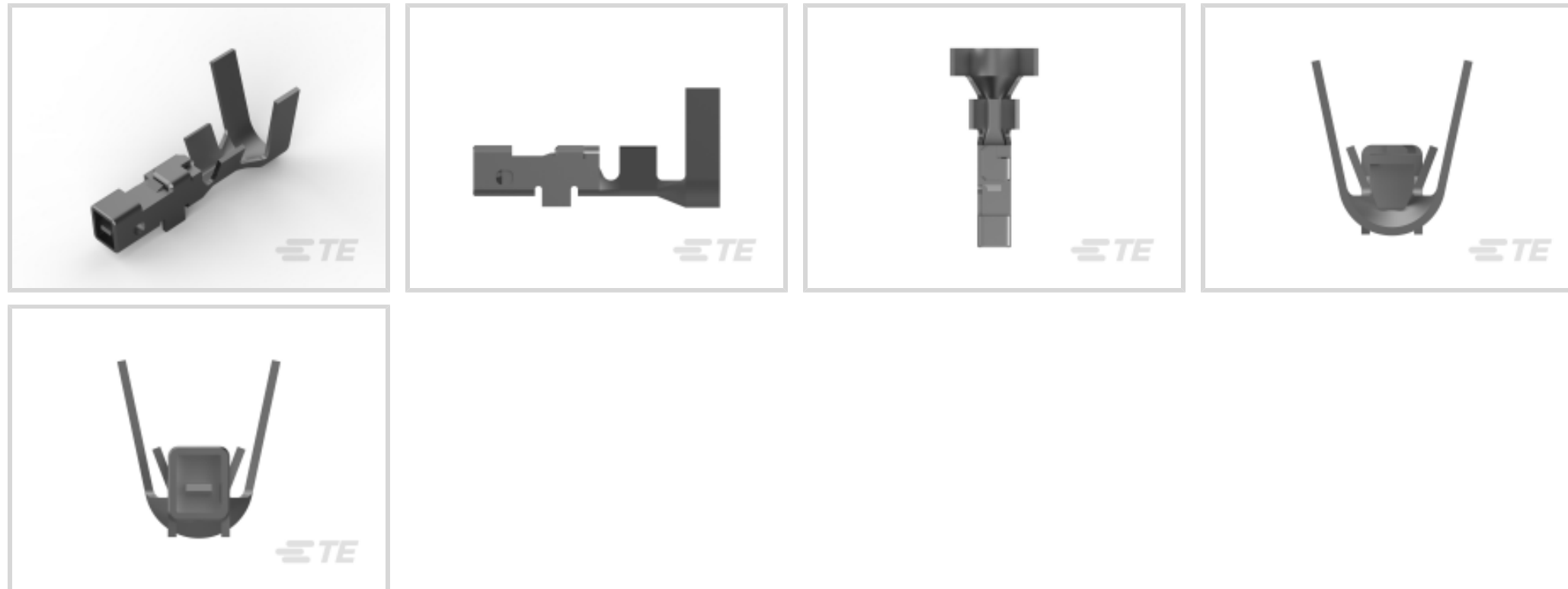
Power Contacts, Contact, 250 VAC, 250 VDC, Tin, 24 – 20 AWG

Wire Size, .2 – .52 mm² Wire Size, Wire & Cable, Crimp, Power,

GRACE INERTIA 3.3

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts > GRACE INERTIA Receptacle



Power Contact Type: **Contact**

Operating Voltage: **250 VDC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **24 – 20 AWG**

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

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	4 A
Contact Type	Receptacle
Contact Retention Within Housing	With
Mating Tab Width	.7 mm[.027 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Base Material	Copper Alloy



Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]
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Wire Contact Termination Area Plating Material	Pre-Tin
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Contact Orientation	Straight
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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Wire Insulation Support	Without
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Dimensions

Wire Size	.2 – .52 mm ²
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Compatible Insulation Diameter Range	1.5 – 2.5 mm[.059 – .099 in]
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Usage Conditions

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

Circuit Application	Power
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Packaging Features

Packaging Quantity	5000
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Packaging Method	Reel
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Other

Power Connectors Comment	Incase electrical appliance and material safety law is applicable, voltage rating is 50VAC/DC
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per
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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 # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 1827395-2
GIC 3.3 REC CONTACT TIN PLATE



TE Part # 2-2151834-2
OC-PA-S-FA-150F102F-001-0190



TE Part # 2151834-1
OC-AT-S-FM-150F102F-001-0190



TE Part # 2151834-2
OC-AT-S-FA-150F102F-001-0190



KIT
TE Part # 7-2151834-7
OC-150F102F-CRIMP TOOLING KIT




TE Part # 2-2151834-1
OC-PA-S-FM-150F102F-001-0190


Also in the Series | GRACE INERTIA 3.3



PCB Latches, Locks & Retainers(7)



Power Contacts(3)



Rectangular Connector Locking(8)



Rectangular Power Connectors(70)

Customers Also Bought



Documents

Product Drawings

[GIC 3.3 REC CONTACT TIN PLATE](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1827395-1_E.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1827395-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1827395-1_E.3d_stp.zip](#)

English

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

Product Specifications



Application Specification

Japanese

GRACE INERTIA CONNECTOR 3.3 CONTACT

Japanese

Product Environmental Compliance

[MD_1827395-1_103020131114_dmtec](#)

English

[MD_1827395-1_103020131114_dmtec](#)

English