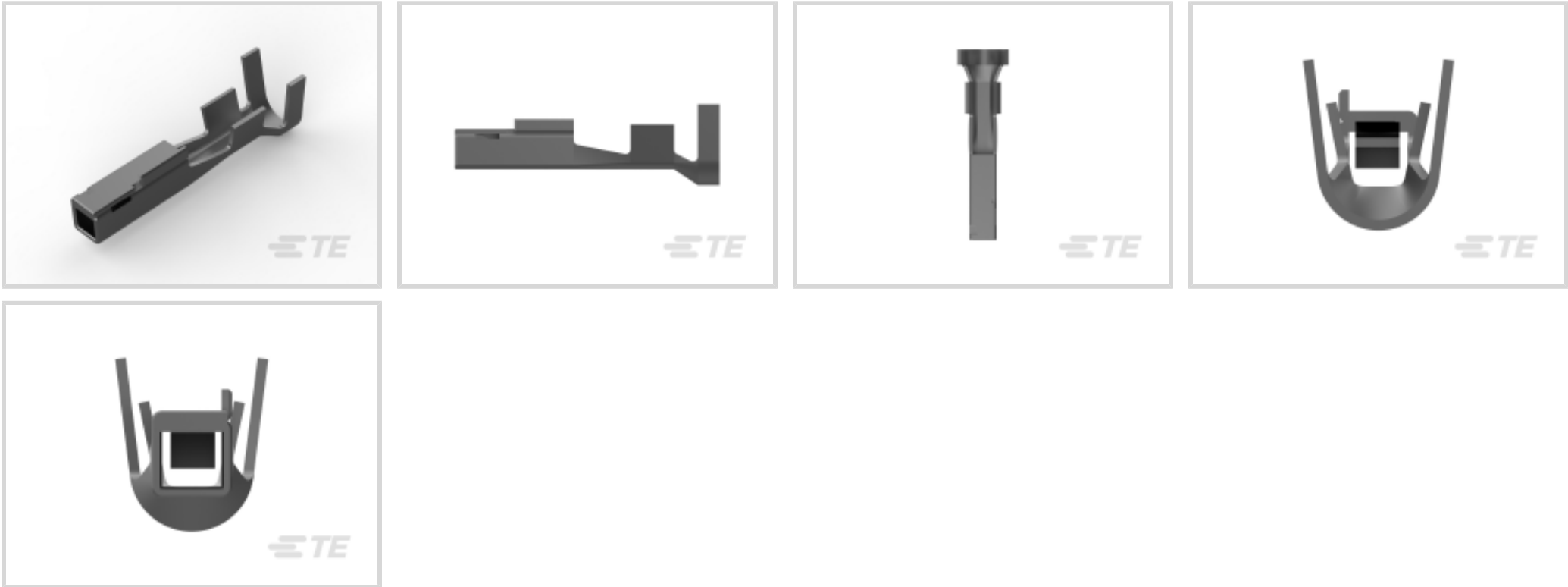




Connectors > Contacts > Connector Contacts > GRACE INERTIA Receptacle



Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Operating Voltage: **300 VAC**

Contact Retention Within Housing: **With**

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

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Orientation	Straight
Mating Tab Width	1.2 mm[.047 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Type	Receptacle
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Copper Alloy



Contact Current Rating (Max)	7 A
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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	1.5 – 2.7 mm[.059 – .106 in]
Wire Size	.33 – .82 mm²

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
Packaging Method	Reel

Product Compliance

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

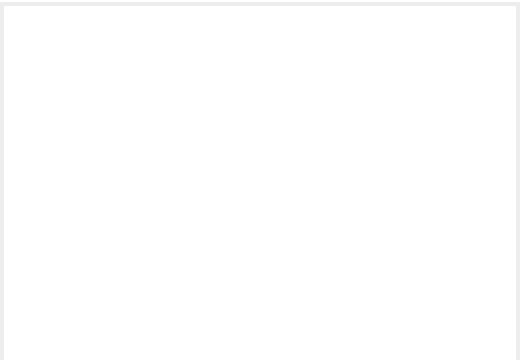
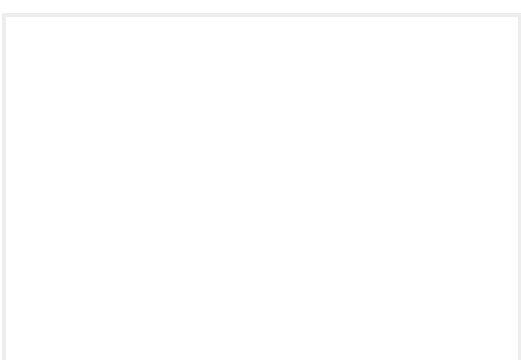
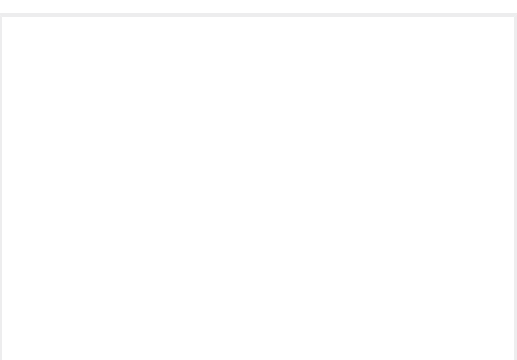
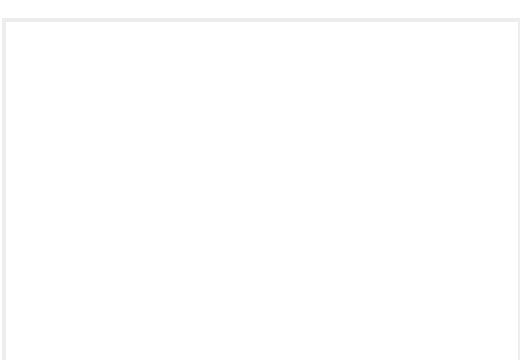
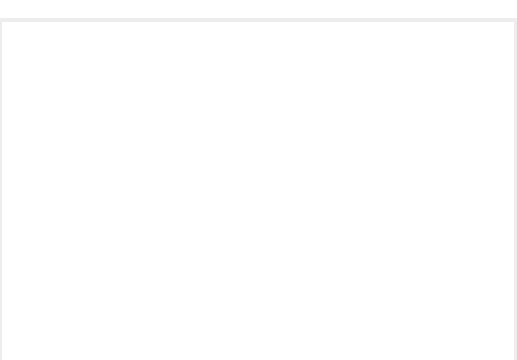
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not 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 # 2151077-2 OCEAN_2.0_Applicator-S-070F110F-RSA	 TE Part # 3-2357089-4 GRACE INERTIA 3.5W PLUG 8P YEL	 TE Part # 3-2357095-4 GRACE INERTIA 3.5W PLUG 12P YEL	 TE Part # 2-2357089-3 GRACE INERTIA 3.5W PLUG 8P BLU
 TE Part # 7-2151077-7 OCEAN_2.0_SPARE_PART_KIT-070F110F	 TE Part # 2-2357092-3 GRACE INERTIA 3.5W PLUG 10P BLU	 TE Part # CAT-G7534-P729 STD Temp GRACE INERTIA Plug	 TE Part # 1612334-1 GRACE INERTIA 3.5 REC CONTACT (M)
 TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp	 TE Part # 1-2357095-2 GRACE INERTIA 3.5W PLUG 12P RED	 TE Part # 1-2357092-2 GRACE INERTIA 3.5W PLUG 10P RED	 TE Part # 2357095-1 GRACE INERTIA 3.5W PLUG 12P NAT
 TE Part # 3-2357092-4 GRACE INERTIA 3.5W PLUG 10P YEL	 TE Part # 1-2357089-2 GRACE INERTIA 3.5W PLUG 8P RED	 TE Part # CAT-G7534-T111 GRACE INERTIA Tab	 TE Part # 2357089-1 GRACE INERTIA 3.5W PLUG 8P NAT



TE Part # 2357092-1
GRACE INERTIA 3.5W PLUG 10P NAT

TE Part # 2-2357095-3
GRACE INERTIA 3.5W PLUG 12P BLU

TE Part # 2151077-1
OCEAN_2.0_Applicator-S-070F110F-RSM

Also in the Series | GRACE INERTIA 3.5

Connector Contacts(4)

Connector Hardware(4)

Insertion & Extraction Tools(1)

Power Contacts(4)

Rectangular Connector Housings(63)

Rectangular Power Connectors(63)

Standard Rectangular Connectors(63)

Customers Also Bought

TE Part #2232905-1
EP 2.5 LIF RCPT CONTACT, 26-22 AWG

TE Part #CAT-G7534-P729
STD Temp GRACE INERTIA Plug

TE Part #1969588-4
HSG, REC, FREE-HANGING, SINGLE ROW,EP2.5

TE Part #2238007-1
TERMINAL, PIN, LANCELESS, 22-26 AWG, EP2

TE Part #CAT-G7534-C1701
STD Temp GRACE INERTIA Cap

TE Part #316770-1
AMP POWER DBL LOCK 1P PLATE



Documents

Product Drawings

GRACE INERTIA 3.5 REC CONTACT(L)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1565079-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1565079-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1565079-1_B.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_1565079-1_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_1565079-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_1565079-1_O.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

1-1773883-5 GRACE INERTIA connector quick reference guide

English

Product Specifications

Engineering Report

English

Instruction Sheets

Extraction Tool for GIC 3.5 Conn.

Japanese

Instruction Sheet (non U.S.)

Japanese



[Agency Approvals](#)

[UL Report](#)

English