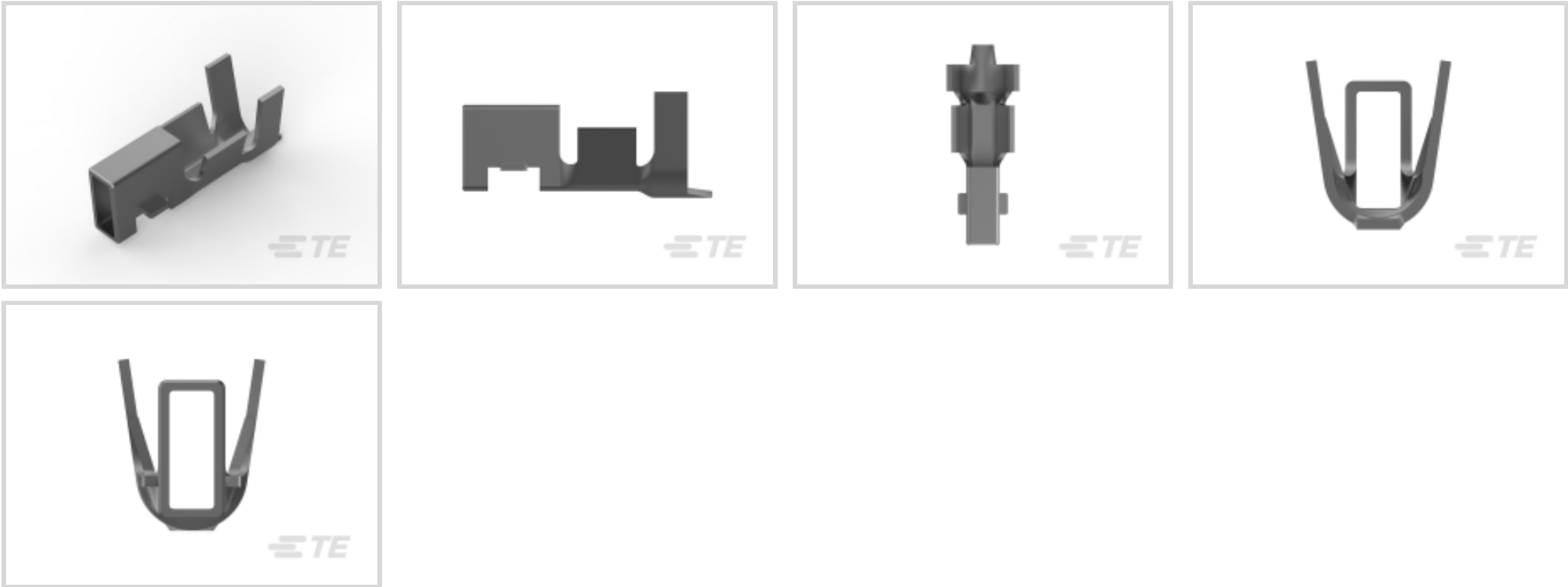




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts > Sig GRACE INERTIA Receptacle



Contact Type: **Socket**
Connector System: **Wire-to-Wire**
Wire Size: **.079 – .24 mm²**
Contact Mating Area Plating Material: **Pre-Tin**

[All Sig GRACE INERTIA Receptacle \(9\)](#)

Features

Product Type Features

Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	50 VAC

Contact Features

Mating Square Post Dimension	.5 mm[.019 in]
Contact Retention Within Housing	With
Contact Underplating Material Thickness	.5 μm[19.69 μin]
Contact Mating Area Plating Material Thickness	.8 – 2 μm[31.49 – 78.74 μin]



Contact Underplating Material	Copper
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	2.2 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)

Dimensions

Accepts Wire Insulation Diameter Range	.98 – 1.58 mm[.039 – .062 in]
Wire Size	.079 – .24 mm²

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Quantity	8000
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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

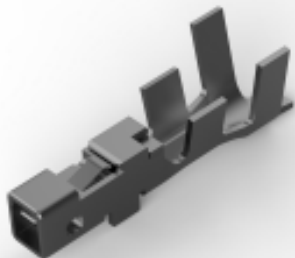
Product Compliance Disclaimer

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 # 2305570-1
TERMINAL CUTTER, SIDE FEED



TE Part # 2134384-1
GIC 2.5 REC CONT TIN PLATE TYPE (2L TYPE)



TE Part # 2-2151076-1
OCEAN_2.0_APPLICATOR-S-042F057F



TE Part # 2-2151076-2
OCEAN_2.0_APPLICATOR-S-042F057FA



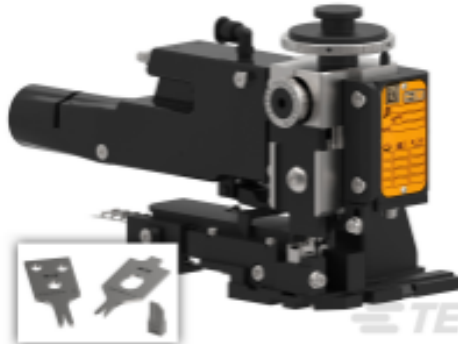
TE Part # 2151076-1
OCEAN_2.0_APPLICATOR-S-042F057F



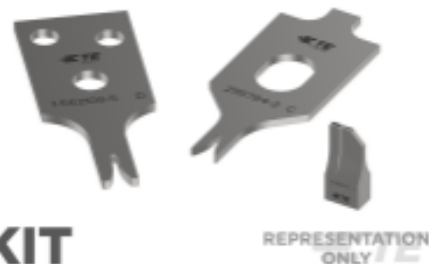
TE Part # 2151076-2
OCEAN_2.0_APPLICATOR-S-042F057FA



TE Part # 7-2151076-1
OCEAN_2.0_APPLICATOR-S-042F057F



TE Part # 7-2151076-2
OCEAN_2.0_APPLICATOR-S-042F057FA



KIT
TE Part # 7-2151076-7
OCEAN_2.0_SPARE_PART_KIT-042F057F

Also in the Series | GRACE INERTIA 2.0



Rectangular Connector Housings(20)



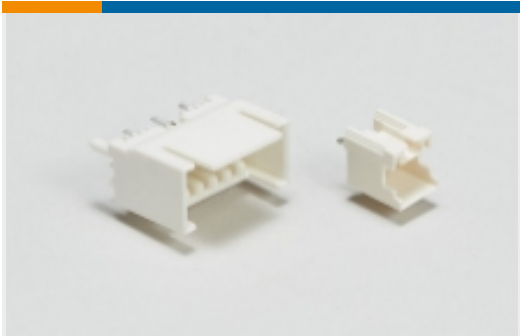
Standard Rectangular Connectors(18)



Wire-to-Board Connector Assemblies & Housings(1)



Wire-to-Board Connector Contacts(3)



Wire-to-Board Headers & Receptacles (70)

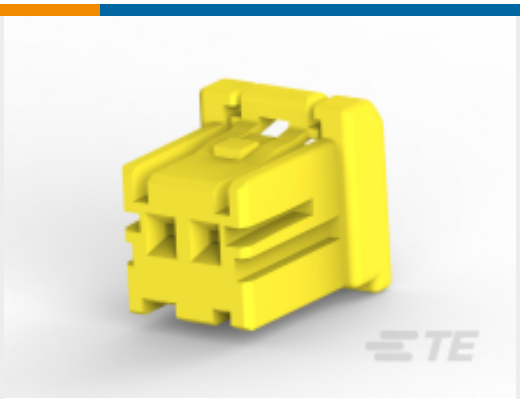
Customers Also Bought



TE Part #1376477-6
2.5MM PITCH SIGNAL MATE CONN



TE Part #170213-2
250 FASTON,REC.,18-14 AWG,TPBR



TE Part #1-1971030-4
STD Temp Sig GRACE INERTIA Plug



TE Part #1612334-1
GRACE INERTIA Receptacle



TE Part #1-1747066-2
GRACE INERTIA CONN 2.5 PLUG
HSG 2P RED



TE Part #1-1747066-6
GRACE INERTIA CONN 2.5 PLUG
HSG 6P RED



TE Part #1376477-2
2.5MM PITCH SIGNAL MATE CONN



TE Part #913708-1
HOOK HOLDER SPRING

Documents

Product Drawings

Receptacle contact for GIC 2.0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1971031-1_G_c-1971031-1-g.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1971031-1_G_c-1971031-1-g.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971031-1_G_c-1971031-1-g.3d_stp.zip](#)

English

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

Product Specifications

APPLICATION SPECIFICATION

English

Application Specification

English

Product Environmental Compliance

[MD_1971031-1_103020182346_dmtec](#)

English

[MD_1971031-1_103020182346_dmtec](#)

English