



GRACE INERTIA 2.5

TE Internal #: 1747063-1
Socket Contact, Gold, 50 VAC, 50 VDC, Locking Lance Contact Retention, Discrete Wire, 28 – 22 AWG Wire Size, GRACE INERTIA 2.5

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Connectors > Contacts > Connector Contacts > Sig GRACE INERTIA Receptacle



Contact Type: **Socket**
Contact Mating Area Plating Material: **Gold**
Operating Voltage: **50 VDC**
Contact Retention Within Housing: **With**

[All Sig GRACE INERTIA Receptacle \(8\)](#)

Features

Packaging Features

Packaging Method	Reel
Packaging Quantity	6000

Dimensions

Compatible Insulation Diameter Range	1.09 – 1.9 mm[.043 – .075 in]
Wire Size	.079 – .38 mm²

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	50 VDC

Contact Features

Contact Underplating Material	Nickel
Mating Tab Thickness	.46 mm[.018 in]
Mating Tab Width	.5 mm[.02 in]
Contact Type	Socket



Contact Mating Area Plating Material	Gold
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	2.5 A

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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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	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 applicable for solder process capability

Product Compliance Disclaimer



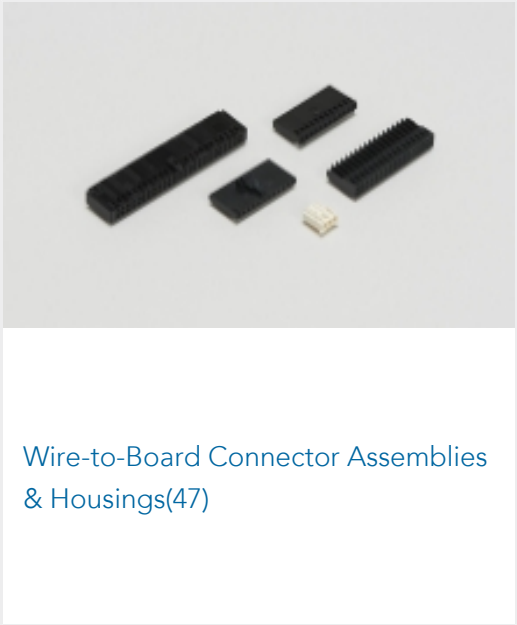
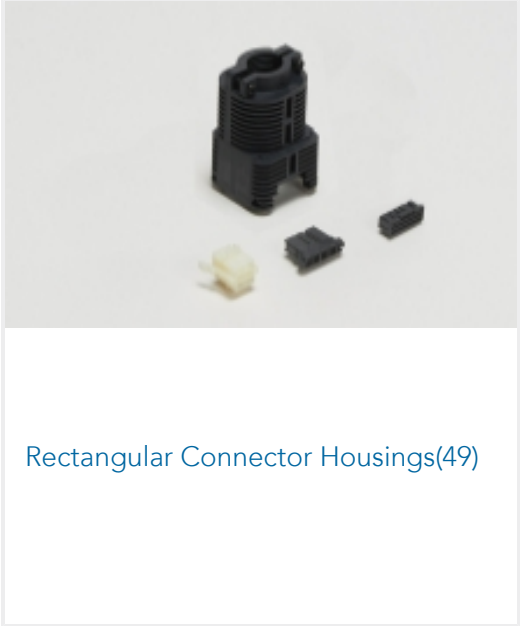
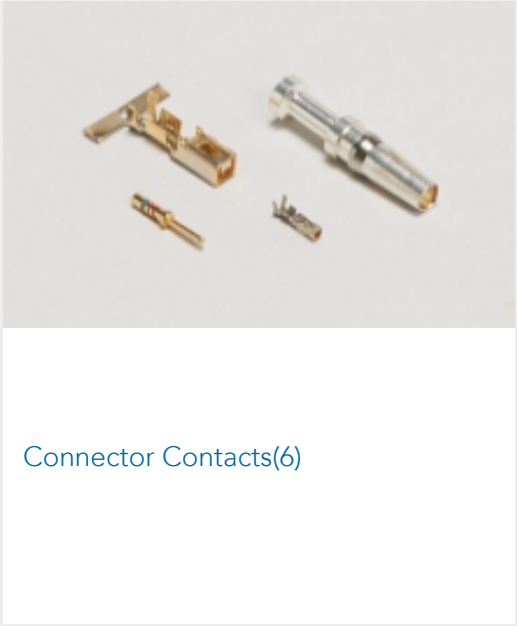
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

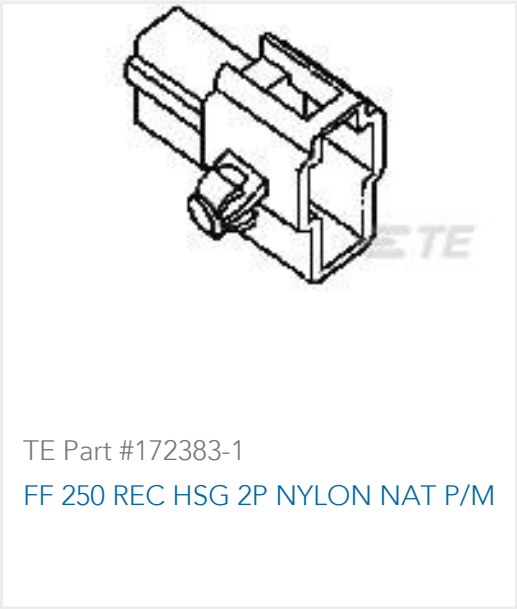
TE Part # 2-1747066-3 GRACE INERTIA CONN 2.5 PLUG HSG 3P BLUE	TE Part # 1747066-4 GRACE INERTIA CONN 2.5 PLUG HSG 4P NATUR	TE Part # 1747066-2 GRACE INERTIA CONN 2.5 PLUG HSG 2P NATUR	TE Part # 1747066-6 GRACE INERTIA CONN 2.5 PLUG HSG 6P NATUR
TE Part # 1747066-5 GRACE INERTIA CONN 2.5 PLUG HSG 5P NATUR	TE Part # 1-1747066-2 GRACE INERTIA CONN 2.5 PLUG HSG 2P RED	TE Part # 1747066-3 GRACE INERTIA CONN 2.5 PLUG HSG 3P NATUR	TE Part # 2134384-1 GIC 2.5 REC CONT TIN PLATE TYPE (2L TYPE)
TE Part # 1747066-8 GRACE INERTIA CONN 2.5 PLUG HSG 8P NATUR	TE Part # 2-1747066-6 GRACE INERTIA CONN 2.5 PLUG HSG 6P BLUE	TE Part # 1-1747066-6 GRACE INERTIA CONN 2.5 PLUG HSG 6P RED	TE Part # 1-1747066-5 GRACE INERTIA CONN 2.5 PLUG HSG 5P RED
TE Part # 1762236-1 SDE SAHT GIC 2.5 REC M 28-22 ASSY	TE Part # 2151127-1 OCEAN_2.0_APPLICATOR-S- 046F070F-RSM	TE Part # 2151127-2 OCEAN_2.0_APPLICATOR-S- 046F070FA	TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp



Also in the Series | GRACE INERTIA 2.5



Customers Also Bought



Documents

Product Drawings

GRACE INERTIA CONN 2.5 REC CON

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_1747063-1_J.2d_dxf.zip



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1747063-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1747063-1_J.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

Japanese

[Application Specification](#)

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