



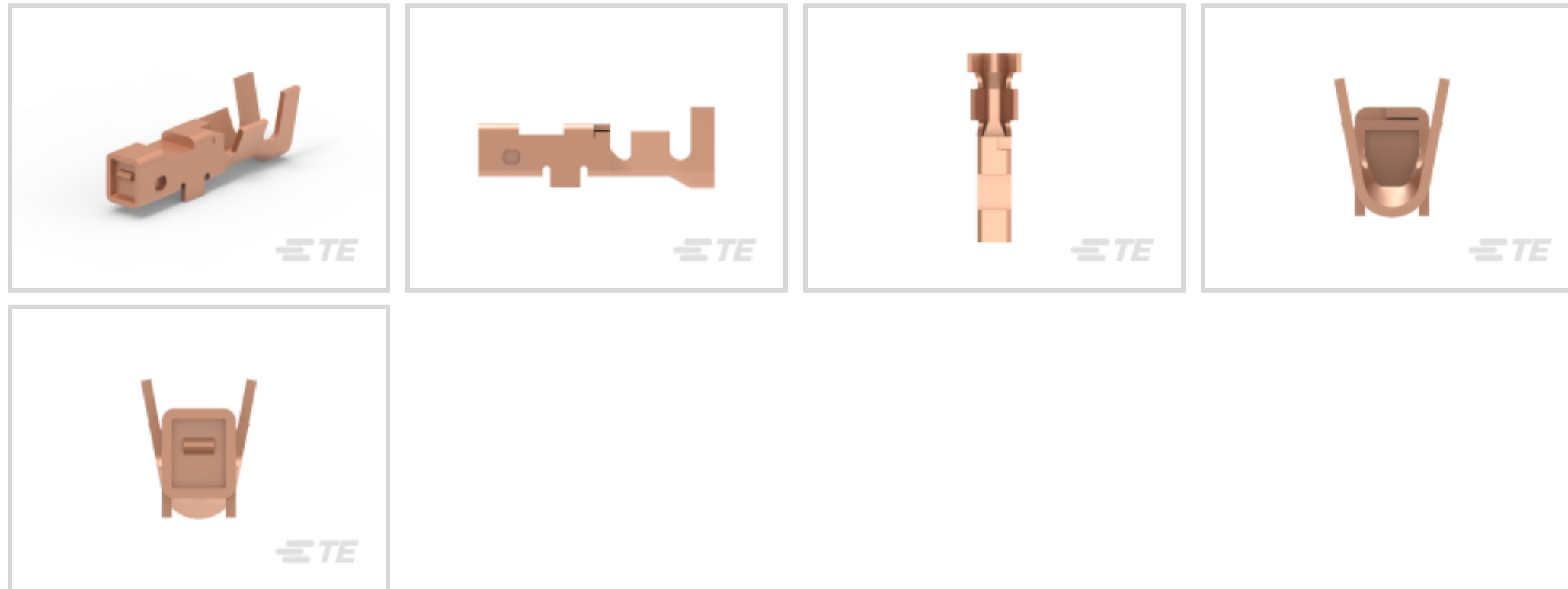
**GRACE INERTIA 2.0**

TE Internal #: 1747062-1

Socket Contact, Gold, 50 VAC, 50 VDC, Locking Lance Contact Retention, Discrete Wire, 28 – 22 AWG, .079 – .38 mm<sup>2</sup> Wire, Crimp, GRACE INERTIA 2.0

[View on TE.com >](#)

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	1.08 – 1.5 mm [.043 – .059 in]
Wire Size	.079 – .38 mm <sup>2</sup>

**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 # 2151126-2  
OCEAN-2.0-APPLICATOR-S-046F057F-RSA



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 # 1747066-2  
GRACE INERTIA CONN 2.5 PLUG HSG 2P NATUR



TE Part # 2305570-1  
Strip Terminal Cutter-Side Feed-No Crimp



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



TE Part # 7-2151126-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-046F057F



TE Part # 1747066-3  
GRACE INERTIA CONN 2.5 PLUG HSG 3P NATUR



TE Part # 1747066-5  
GRACE INERTIA CONN 2.5 PLUG HSG 5P NATUR



TE Part # 1747069-1  
GRACE INERTIA CONN 2.0 PLUG HSG 10P NATU



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



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



TE Part # 1729688-1  
SDE SAHT GIC 2.0 2.5 REC 28-22 ASSY



TE Part # 2151126-1  
OCEAN-2.0-APPLICATOR-S-046F057F-RSM



TE Part # 1747066-4  
GRACE INERTIA CONN 2.5 PLUG HSG 4P NATUR



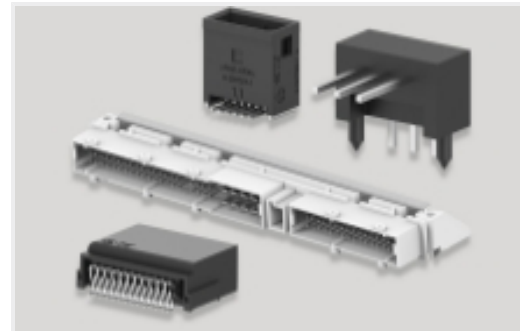
TE Part # 1-1747066-6  
GRACE INERTIA CONN 2.5 PLUG HSG 6P RED



## Also in the Series | GRACE INERTIA 2.0



Connector Contacts(4)



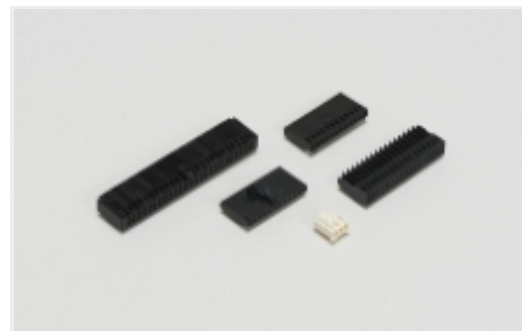
PCB Headers & Receptacles(70)



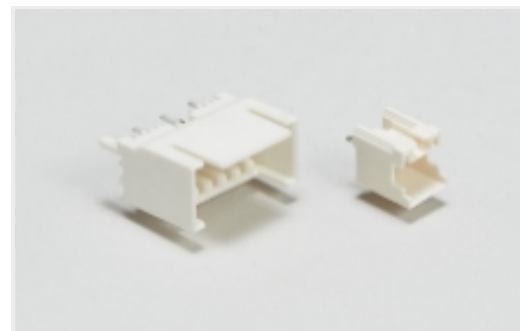
Rectangular Connector Housings(20)



Standard Rectangular Connectors(38)



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



Wire-to-Board Headers & Receptacles (70)

## Customers Also Bought



TE Part #177537-4  
2.5 M.I.S POST HDR ASSY 4P



TE Part #2-1971800-1  
NEW GI CONN2.5 HDR ASMBLY 2P NC D1.5



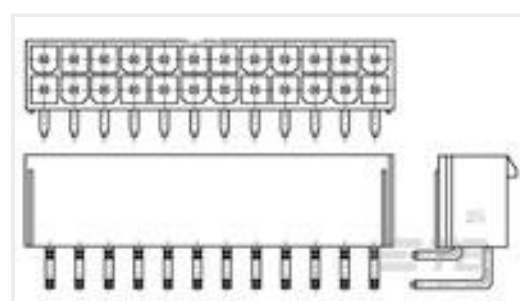
TE Part #2176510-8  
CJP 500W 5R6 5% Lead



TE Part #2395308-1  
SDE F FLAT CONTACT 2.8 0.50-1.00 mm<sup>2</sup> ASSY



TE Part #2031676-2  
SDE F MINI MIC 0.35-1.5mm<sup>2</sup> DIE SET



TE Part #1586863-2  
2P VAL-U-LOK R/A HDR GW



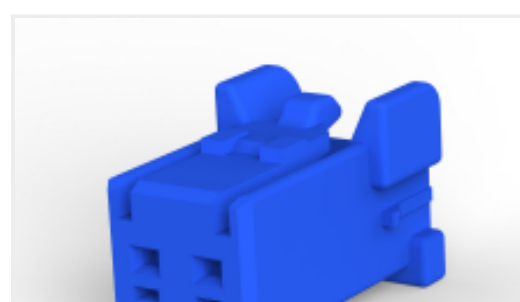
TE Part #2176510-5  
CJP 500W 3R3 5% Lead



TE Part #6-2176528-2  
3503G 2B 25K5 1% 5K RL



TE Part #1747067-4  
GRACE INERTIA CONN 2.5 HDR ASSY 4P NAT



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



## Documents

### Product Drawings

#### GRACE INERTIA CONN 2.0 REC CONTACT

Japanese

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1747062-1\\_J.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1747062-1\\_J.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1747062-1\\_J.3d\\_stp.zip](#)

English

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

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### Product Specifications

#### Application Specification

Japanese

#### Application Specification

English