

1903388-1 ✓ ACTIVE



GRACE INERTIA 2.5

TE Internal #: 1903388-1

Housing, Plug, Wire-to-Wire, 2 Position, .098 in [2.5 mm] Centerline,
Crimp, 1 Row, Natural, Mating Retention, Wire & Cable, GRACE
INERTIA 2.5

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **2**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Connector Product Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 2 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

| | |
|-------------------------|---------|
| Connector & Keying Code | A |
| Primary Product Color | Natural |



Contact Features

| | |
|-----------------------|--------------|
| Contact Layout | Inline |
| Contact Type | Pin |
| Contact Base Material | Copper Alloy |

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|----------------------------|
| Strain Relief | Without |
| Panel Mount Feature | Without |
| PCB Mount Retention | Without |
| Mating Retention Type | Latch |
| Mating Retention | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

| | |
|-----------------------------|------------------|
| Housing Entry Configuration | Both Ends Closed |
| Housing Material | PBT GF |
| Centerline (Pitch) | 2.5 mm [.098 in] |

Dimensions

| | |
|------------------|------------------|
| Connector Length | 8.7 mm [.342 in] |
| Connector Height | 9.6 mm [.377 in] |

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -30 – 105 °C [-22 – 221 °F] |
|-----------------------------|-----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|------------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method | Bag |

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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 # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap

TE Part # 1903390-1
GIC 2.5 W PLUG HSG 4P NATURAL

TE Part # 1903389-1
GIC 2.5 W PLUG HSG 3P NATURAL

TE Part # 1903391-1
GIC 2.5 W CAP HSG 2P NATURAL

TE Part # 1-1903388-2
GIC 2.5 W PLUG HSG 2P RED

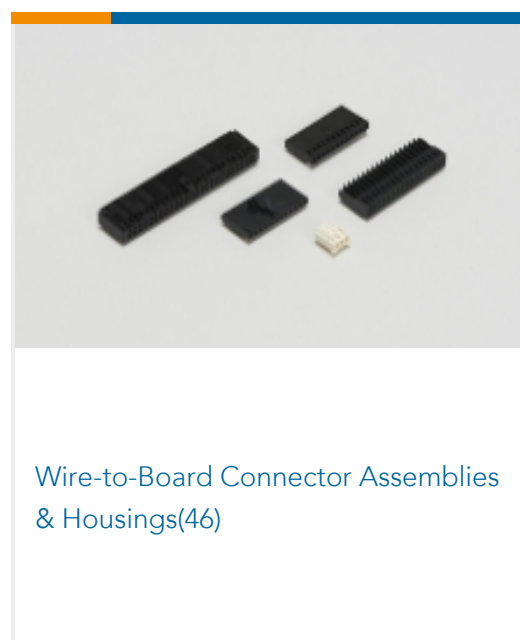
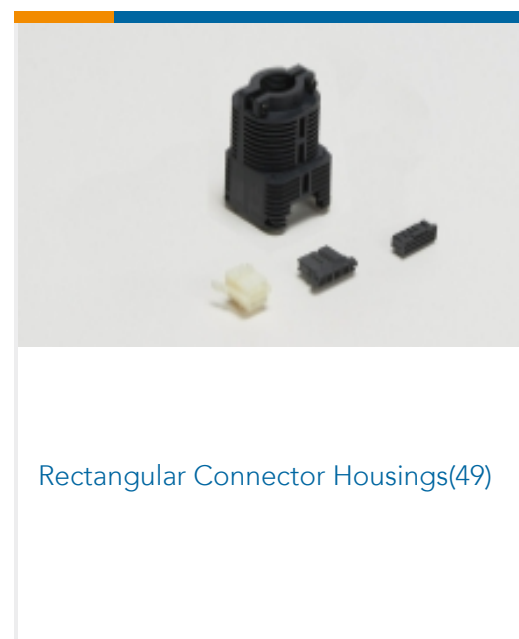
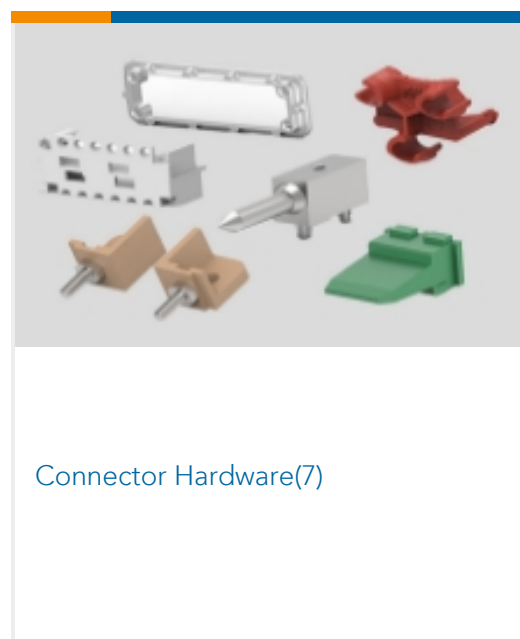
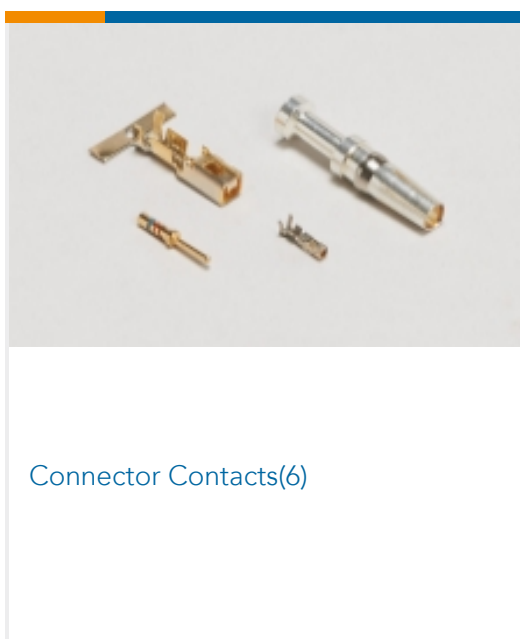
TE Part # 1747066-2
GRACE INERTIA CONN 2.5 PLUG HSG 2P NATUR

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

TE Part # 1903392-1
GIC 2.5 W CAP HSG 3P NATURAL



Also in the Series | GRACE INERTIA 2.5



Customers Also Bought



Documents

Product Drawings

[GIC 2.5 W PLUG HSG 2P NATURAL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1903388-1_F_c-1903388-1-f.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903388-1_F_c-1903388-1-f.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903388-1_F_c-1903388-1-f.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