



**GRACE INERTIA 2.5**

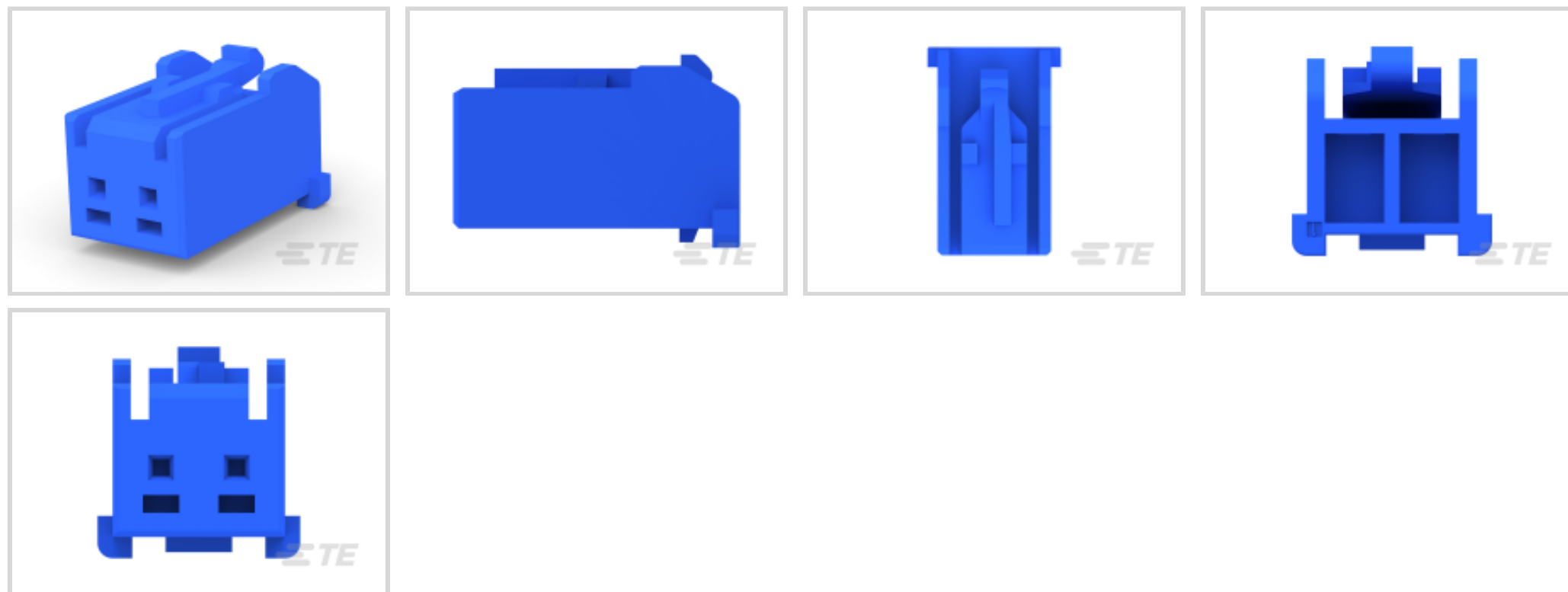
TE Internal #: 2-1971793-2

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

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

Glow Wire Sig GRACE INERTIA Plug



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **2**

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

[All Glow Wire Sig GRACE INERTIA Plug \(20\)](#)

**Features**

**Dimensions**

|                  |                   |
|------------------|-------------------|
|                  | .224 in           |
| Connector Height | 5.88 mm [.231 in] |
| Wire Size        | 28 – 22 AWG       |

**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 |



### Housing Features

|                             |                  |
|-----------------------------|------------------|
| Centerline (Pitch)          | 2.5 mm [.098 in] |
| Housing Material            | PA 66 GF         |
| Housing Entry Configuration | Both Ends Closed |

### Termination Features

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

### Body Features

|                         |      |
|-------------------------|------|
| Primary Product Color   | Blue |
| Connector & Keying Code | B    |

### Mechanical Attachment

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

### Contact Features

|                                  |              |
|----------------------------------|--------------|
| Contact Current Rating (Max)     | 3 A          |
| Contact Layout                   | Inline       |
| Contact Retention Within Housing | Without      |
| Contact Base Material            | Copper Alloy |
| Contact Type                     | Tab          |

### Operation/Application

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

### Usage Conditions

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

### Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

### Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 50 VDC |
|-------------------|--------|



### Industry Standards

|                        |           |
|------------------------|-----------|
| UL Flammability Rating | UL 94V-0  |
| Glow Wire Rating       | Glow Wire |

### Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Method   | Bag & Box |
| Packaging Quantity | 400       |

### 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Not reviewed for solder process capability  |

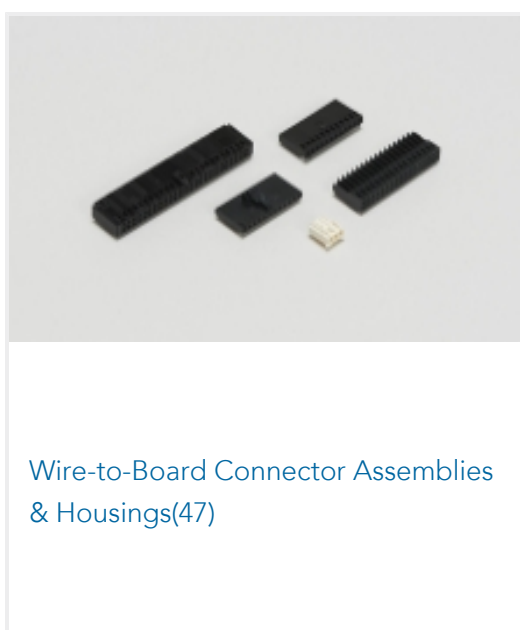
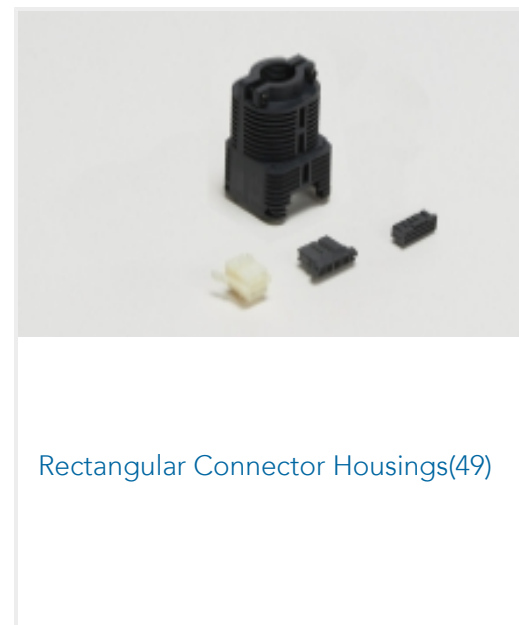
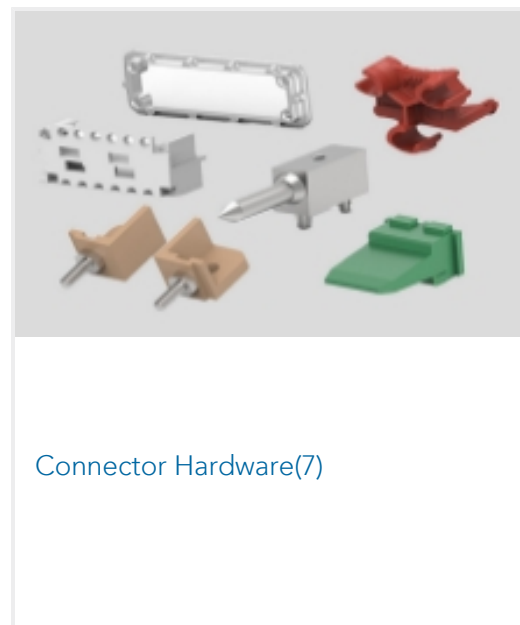
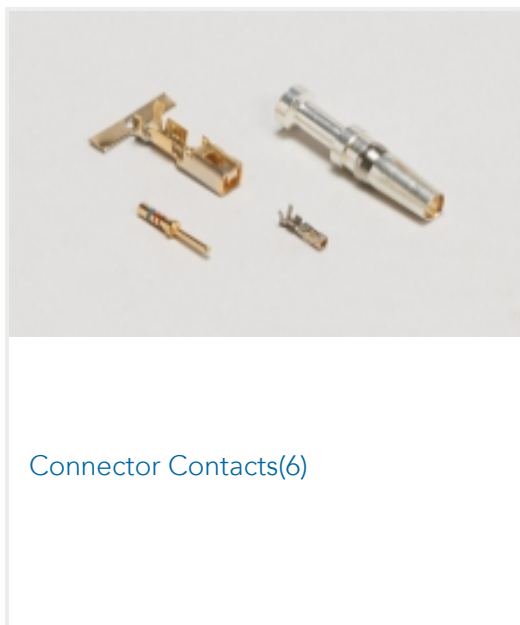
#### Product Compliance Disclaimer

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>

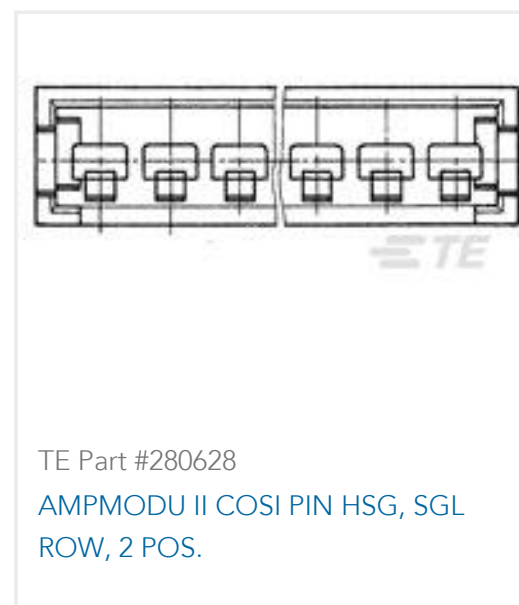
### Compatible Parts



Also in the Series | **GRACE INERTIA 2.5**



Customers Also Bought





## Documents

### Product Drawings

[NEW GI CONN2.5 PLUG HSG 2P BLU](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971793-2\\_J.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971793-2\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971793-2\\_J.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[5-1773465-3-GI2.5Flyer](#)

English

[7-1773465-8-GI2.5-ChineseFlyer](#)

### Product Specifications

[Product Specification](#)

English