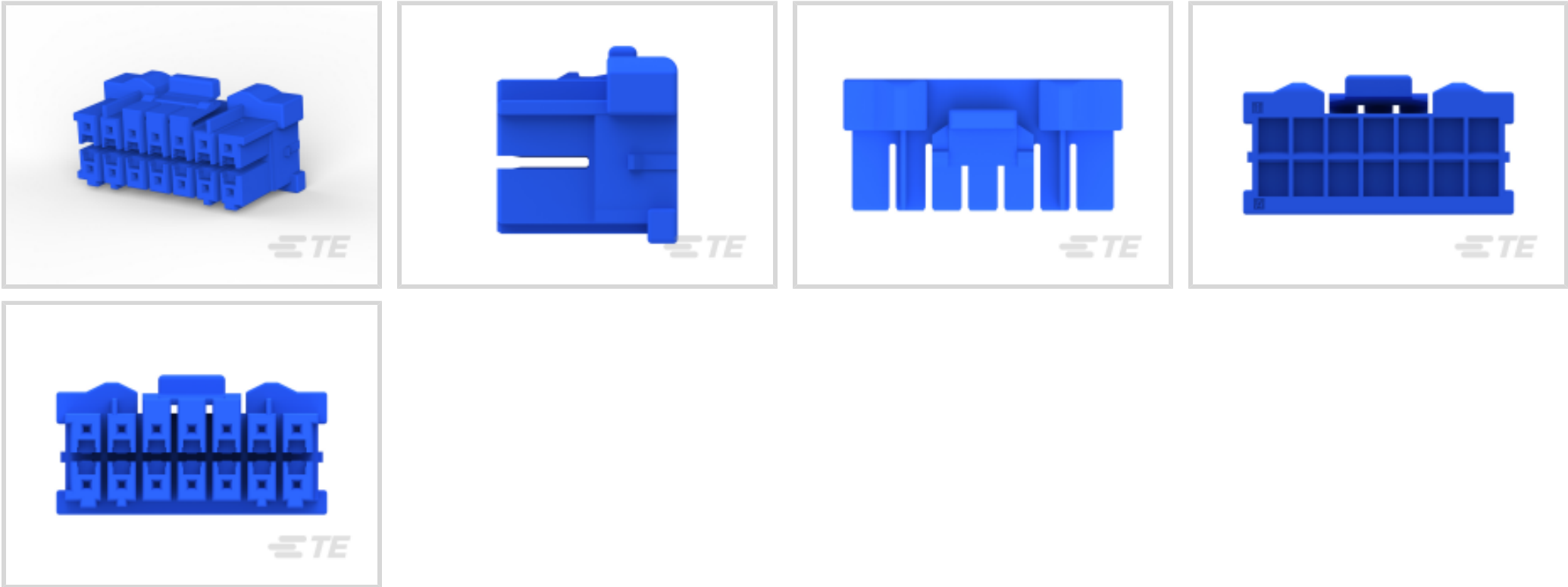




Connectors > Rectangular Connectors > Standard Rectangular Connectors > Glow Wire GRACE INERTIA Plug



Connector Product Type: **Housing**  
Connector & Housing Type: **Plug**  
Termination Method to Wire & Cable: **Crimp**  
Connector System: **Wire-to-Board**  
Contact Mating Area Plating Material: **Tin (Sn)**

[All Glow Wire GRACE INERTIA Plug \(78\)](#)

Features

Product Type Features

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

Configuration Features

|                            |    |
|----------------------------|----|
| Number of Signal Positions | 14 |
| Number of Power Positions  | 14 |
| Number of Positions        | 14 |
| Number of Rows             | 2  |

Electrical Characteristics

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



Body Features

|                       |      |
|-----------------------|------|
| Primary Product Color | Blue |
|-----------------------|------|

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | 2 μm[78.73 μin] |
| Multiple Contact Types                         | Without         |
| Contact Type                                   | Receptacle      |
| Contact Mating Area Plating Material           | Tin (Sn)        |
| Contact Retention Within Housing               | With            |
| Contact Current Rating (Max)                   | 4 A             |

Termination Features

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

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | PA 66 GF        |
| Centerline (Pitch) | 3.3 mm[.129 in] |

Dimensions

|                    |                 |
|--------------------|-----------------|
| Row-to-Row Spacing | 5.2 mm[.205 in] |
| Connector Width    | 12.4 mm         |
| Wire Size          | 24 – 20 AWG     |

Usage Conditions

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

Operation/Application

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

Identification Marking

|                                |         |
|--------------------------------|---------|
| Circuit Identification Feature | Without |
|--------------------------------|---------|

Industry Standards

|                                           |                           |
|-------------------------------------------|---------------------------|
| Compatible With Agency/Standards Products | UL                        |
| Glow Wire Rating                          | GWT 750°C (Without Flame) |
| UL Flammability Rating                    | UL 94V-0                  |

Packaging Features

|  |  |
|--|--|
|  |  |
|--|--|



|                    |     |
|--------------------|-----|
| Packaging Quantity | 800 |
| 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: JAN 2025 (247)<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

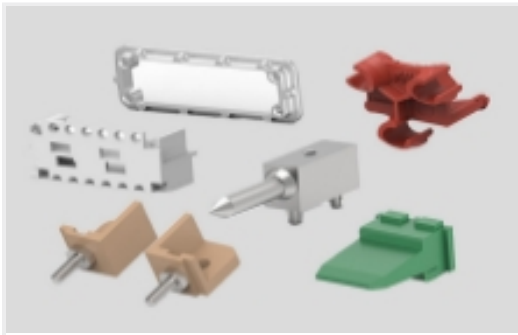


Also in the Series | GRACE INERTIA 3.3

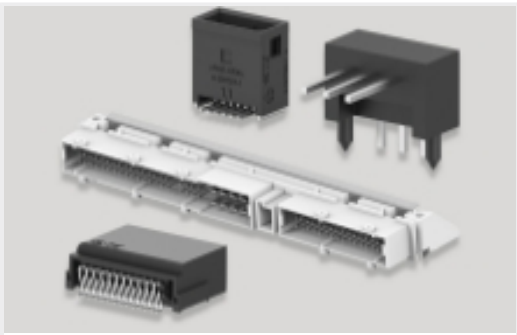




Connector Contacts(3)



Connector Hardware(15)



PCB Headers & Receptacles(36)



Power Contacts(3)



Rectangular Connector Housings(34)



Rectangular Power Connectors(70)

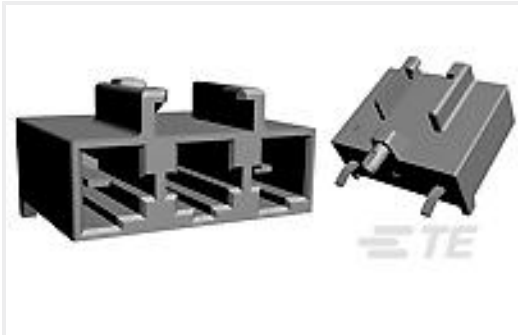


Standard Rectangular Connectors(34)

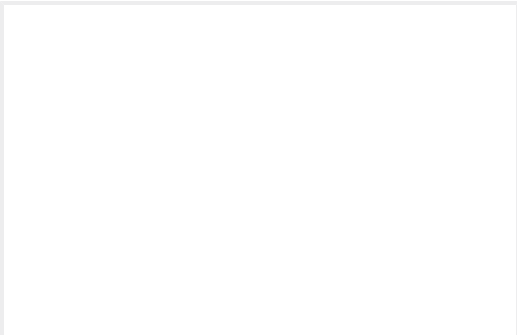
Customers Also Bought



TE Part #1-2357090-2  
GRACE INERTIA 3.5W CAP 8P RED



TE Part #917745-4  
AMP POWER D/L TAB HDR ASY 2P V



TE Part #2357090-1  
GRACE INERTIA 3.5W CAP 8P NAT



TE Part #2-1123824-1  
EP 1P HDR YELLOW



TE Part #316502-6  
POWER D/LOCK CAP HSG 4P BLUE



TE Part #177917-3  
AMP POWER DOUBLE LOCK CONN. TAB CONT.



TE Part #2134905-1  
GIC 2.5W PLUG HSG 6P NATURAL



TE Part #1-2357089-2  
GRACE INERTIA 3.5W PLUG 8P RED



TE Part #2-1971905-5  
PLUG HOUSING 10POS,KEYING-B, NEW GIC3.3



TE Part #3-2232501-1  
NEW GI CONN2.5 HDR ASMBLY 3P NC D1.25

Documents



Product Drawings

PLUG HOUSING 14POS,KEYING-B,NEW GIC3.3

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-1971905-7\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1971905-7\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1971905-7\_C.3d\_stp.zip

English

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

Datasheets & Catalog Pages

GI3.3\_QRG\_CN

Product Specifications

Application Specification

English