

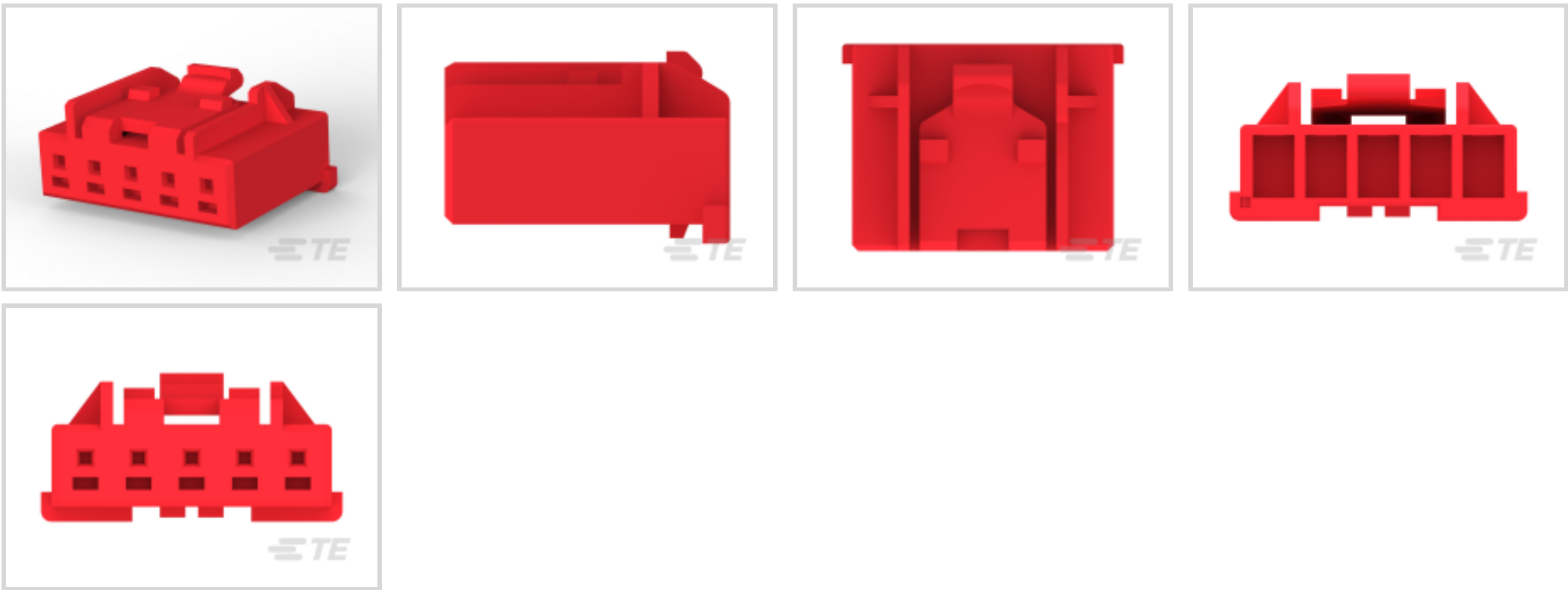


GRACE INERTIA 2.5

TE Internal #: 5-1971793-3
Housing, Plug, Wire-to-Wire, 5 Position, 2.5 mm [.098 in] Centerline,
Crimp, 1 Row, Red, Wire & Cable, Power & Signal, GRACE INERTIA
2.5

[View on TE.com >](#)

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: **5**
Centerline (Pitch): **2.5 mm [.098 in]**

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

Features

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

Dimensions

Connector Height	5.88 mm[.231 in]
Wire Size	28 – 22 AWG
Connector Length	13.2 mm[.516 in]



Contact Features

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

Mechanical Attachment

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

Body Features

Connector & Keying Code	C
Primary Product Color	Red

Housing Features

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

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	5
Number of Rows	1

Termination Features

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

Usage Conditions



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

Operation/Application

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

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	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



TE Part # 5-2232546-5
GI2.5 HDR ASS 5P BLK NO BOSS TAPE

TE Part # 5-1971794-2
GI2.5 TPA,5P

TE Part # 5-2232546-3
GI2.5 HDR ASS 5P RED NO BOSS TAPE

Also in the Series | GRACE INERTIA 2.5

Connector Contacts(6)

Connector Hardware(7)

PCB Headers & Receptacles(173)

Power Contacts(2)

Rectangular Connector Housings(49)

Wire-to-Board Connector Assemblies & Housings(47)

Wire-to-Board Headers & Receptacles (173)

Customers Also Bought

TE Part #2-2176331-4
CRGP 2512 820R 1%

TE Part #CAT-G7534A-H342A
Glow Wire Sig GRACE INERTIA Header

TE Part #CAT-AQ4-HHD1400180
PowerTube HVP-HD 1400 180° Headers

TE Part #2407804-1
COVER,SHIPPING CAP FOR HD1400 HEADR

TE Part #1483353-3
MICRO-MATCH LEAD 10P 250MM

TE Part #3-641535-5
05P MTA100 CONN ASSY 24AWG



Documents

Product Drawings

NEW GI CONN2.5 PLUG HSG 5P RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1971793-3_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1971793-3_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1971793-3_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

Agency Approvals

UL

English