

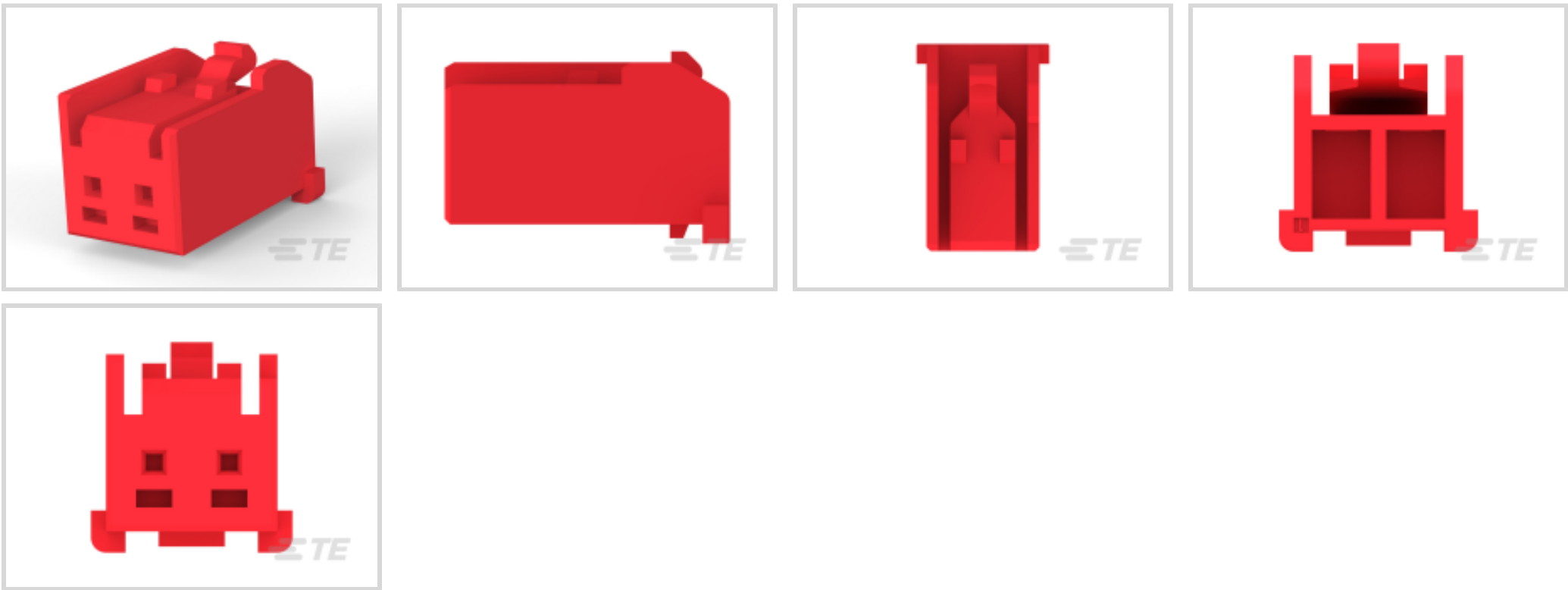


GRACE INERTIA 2.5

TE Internal #: 2-1971793-3
Housing, Plug, Wire-to-Wire, 2 Position, 2.5 mm [.098 in] Centerline,
Crimp, 1 Row, Red, 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 >
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
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Body Features

Primary Product Color	Red
Connector & Keying Code	C

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
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Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	50 VDC
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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) 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

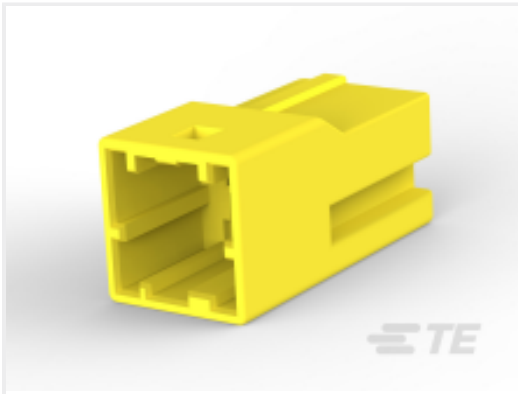
Product Compliance Disclaimer

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>

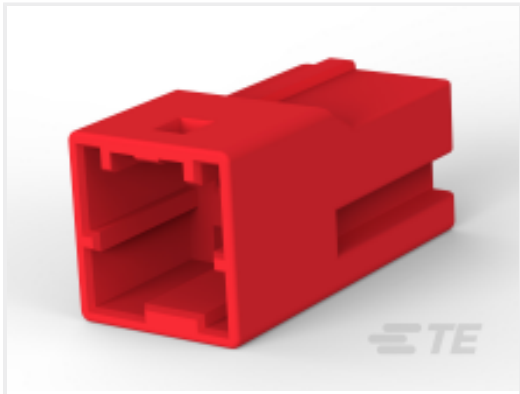
Compatible Parts



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



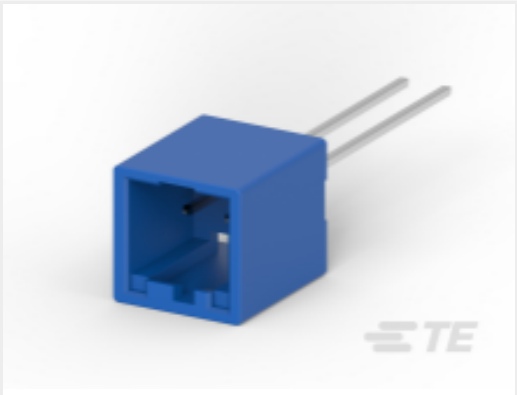
TE Part # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap



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



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



TE Part # 2-2232546-2
GI2.5 HDR ASS 2P BL NO BOSS TAPE



TE Part # 2-2232546-3
GI2.5 HDR ASS 2P RED NO BOSS TAPE



TE Part # 2-2232546-5
GI2.5 HDR ASS 2P BLK NO BOSS TAPE

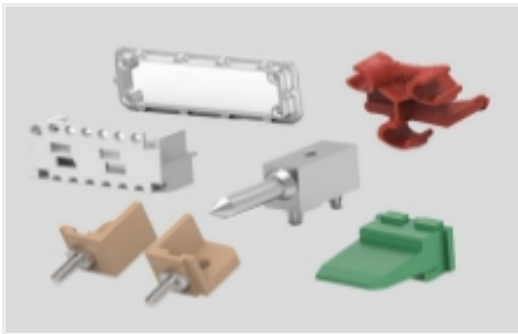


TE Part # 2232557-1
NEW GI CONN2.5 REC. CONTACT

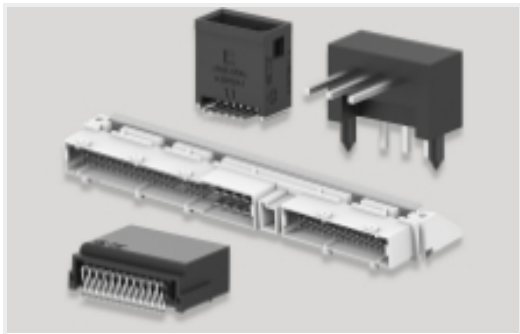
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



Rectangular Connector Housings(49)



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

Customers Also Bought



TE Part #5-1971793-4
NEW GI CONN2.5 PLUG HSG 5P YLW



TE Part #2-530745-0
MINI BX RCPT ASSY 100P SEALED



TE Part #2103731-3
SPACER-SEAL ASSY,SIZE C,HVA280 2PI SE



TE Part #2383104-3
REC CONN CVR,4POS,AMP MCP 2.8,180DEG



Documents

Product Drawings

NEW GI CONN2.5 PLUG HSG 2P RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1971793-3_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1971793-3_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1971793-3_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