



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



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Mating Retention: **With**
Mating Retention Type: **Latch**
Termination Method to Wire & Cable: **Crimp**

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

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	8
Number of Rows	1

Electrical Characteristics

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

Body Features

Connector & Keying Code	C
-------------------------	---



Primary Product Color	Red
-----------------------	-----

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	5.88 mm [.231 in]
Connector Length	20.7 mm [.814 in]
Wire Size	.081 – .326 mm²

Usage Conditions

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

Operation/Application

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

Industry Standards

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

Packaging Features

Packaging Quantity	400
--------------------	-----



Packaging Method

Bag & Box

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

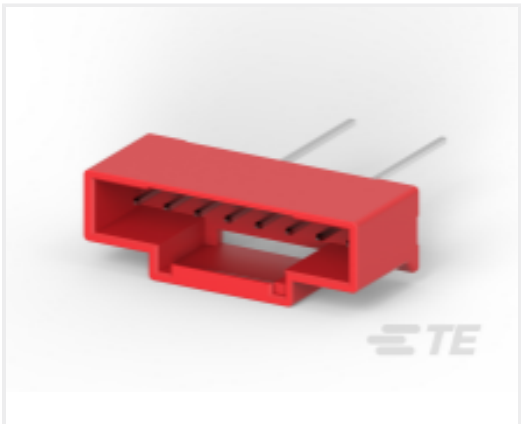
Product Compliance Disclaimer

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 # 8-1971794-2
GI2.5 TPA,8P

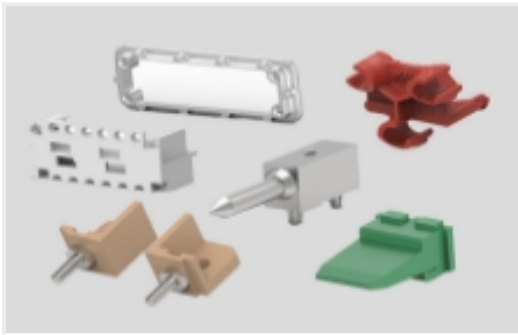


TE Part # 8-2232546-3
GI2.5 HDR ASS 8P RED NO BOSS TAPE

Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



Power Contacts(2)



Rectangular Connector Housings(96)



Rectangular Power Connectors(44)



Standard Rectangular Connectors(96)



Wire-to-Board Connector Assemblies & Housings(36)

Customers Also Bought



TE Part #170360-1
UNIV M-N-L PIN 22-18 AWG



TE Part #170362-1
UNIV M-N-L SOC. 22-18 AWG



TE Part #350777-1
02P UMNL PLUG HSG



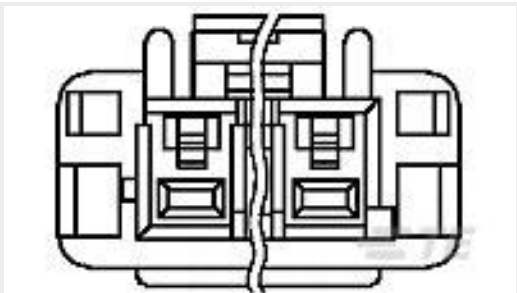
TE Part #1-480704-0
06P UMNL PLUG HSG NATL



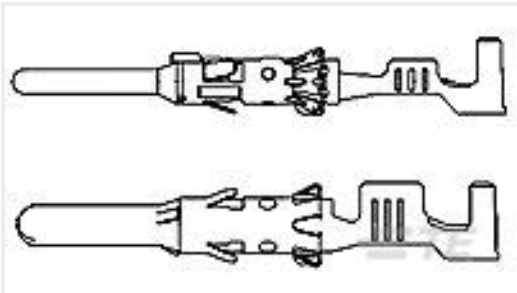
TE Part #828904-1
SINGLE WIRE SEAL FOR J.P.T.CON



TE Part #965687-1
FIXING RING



TE Part #1376390-1
5MM POWER KEY 4P PLUG HSG NUT



TE Part #1703013-1
DIA 1.5MM CONTACT PIN, ASSY



TE Part #1718230-1
1,5MM PIN HSG 5-7 POS ASSY

Documents



Product Drawings

NEW GI CONN2.5 PLUG HSG 8P RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-1971793-3_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-1971793-3_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-1971793-3_J.3d_stp.zip

English

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

Datasheets & Catalog Pages

7-1773465-8-GI2.5-ChineseFlyer

1-1773883-5 GRACE INERTIA connector quick reference guide

English

5-1773465-3-GI2.5Flyer

English

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English