# 8-1971793-2 ACTIVE

#### **GRACE INERTIA 2.5**

TE Internal #: 8-1971793-2

Housing, Plug, Wire-to-Wire, 8 Position, .098 in [2.5 mm] Centerline,

Crimp, 1 Row, Blue, 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: 8

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

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 VAC	

### **Body Features**



Connector & Keying Code	В
Primary Product Color	Blue
Contact Features	
Contact Retention Within Housing	Without
Contact Layout	Inline
Contact Type	Tab
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3 A
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Strain Relief	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Entry Configuration	Both Ends Closed
Housing Material	PA 66 GF
Centerline (Pitch)	2.5 mm[.098 in]
Dimensions	
Connector Length	20.7 mm[.814 in]
Connector Height	5.88 mm[.231 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	
Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0



#### **Packaging Features**

Packaging Quantity	400
Packaging Method	Bag & Box
Other	
Discrete Wire Connector Comment	Mating with 8-1971798-X

#### **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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

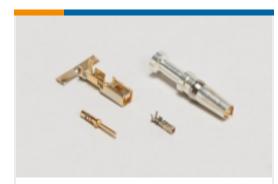
## **Compatible Parts**







## Also in the Series | GRACE INERTIA 2.5



Connector Contacts(2)



PCB Headers & Receptacles(138)



PCB Latches, Locks & Retainers(5)



Rectangular Connector Housings(49)



Rectangular Connector Locking(2)



Rectangular Power Connectors(35)



Wire-to-Board Connector Assemblies & Housings(46)



Wire-to-Board Connector Contacts(4)

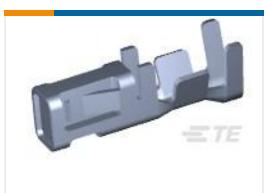
## Customers Also Bought



TE Part #5748979-1 AMP III RCPT 9P RA 318 FFSCRLK /BDLK



TE Part #8-1971793-1 NEW GI CONN2.5 PLUG HSG 8P NC

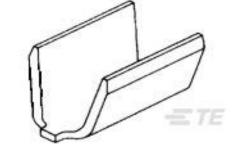


TE Part #1971795-1 NEW GI CONN2.5 REC. CONTACT





TE Part #5104338-3
A/L LOW PRO HDR 16P VERT HT



TE Part #42329-1 SPLICE 1200-2600 .012 NPST



TE Part #1838274-3 M12 Fld Ser CONN. Female Skt S









#### **Documents**

#### **Product Drawings**

**NEW GI CONN2.5 PLUG HSG 8P BLUA** 

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_8-1971793-2\_J.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_8-1971793-2\_J.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_8-1971793-2\_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** 

**Application Specification** 

English