

5-1971793-4 ✓ ACTIVE

## GRACE INERTIA 2.5

TE Internal #: 5-1971793-4

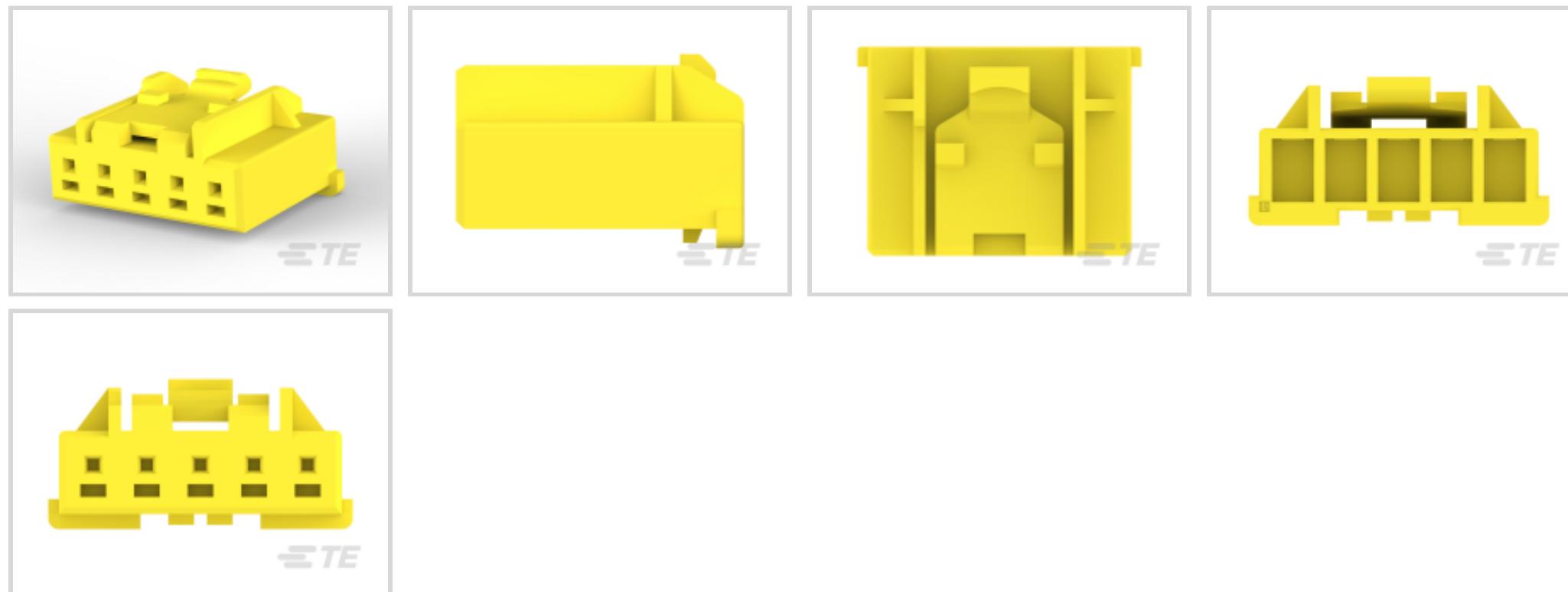
Housing, Plug, Wire-to-Wire, 5 Position, .098 in [2.5 mm] Centerline,  
Crimp, 1 Row, Yellow, Mating Retention, Wire & Cable, GRACE  
INERTIA 2.5

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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

### 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

### Electrical Characteristics

Operating Voltage	50 VAC
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### Body Features

Connector &amp; Keying Code

D

Primary Product Color

Yellow

**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 &amp; 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

13.2 mm[.516 in]

Connector Height

5.88 mm[.231 in]

Wire Size

.081 – .326 mm<sup>2</sup>**Usage Conditions**

Operating Temperature Range

-30 – 105 °C[-22 – 221 °F]

**Operation/Application**

Circuit Application

Power &amp; 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 5-1971798-X
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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>

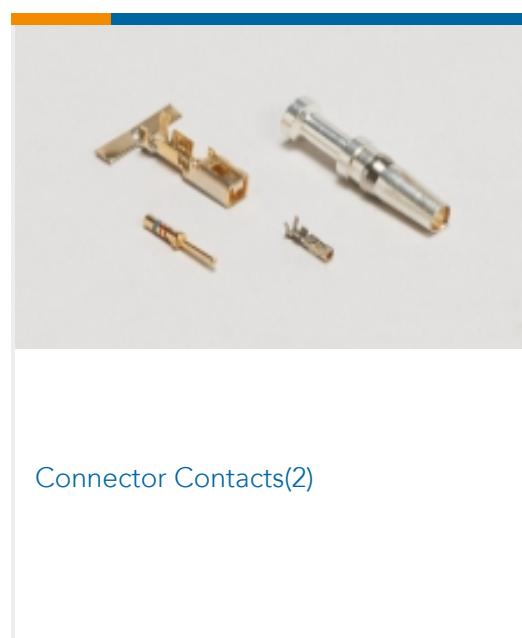
### Compatible Parts



TE Part # CAT-G7534A-H342  
STD Temp Sig GRACE INERTIA  
Header

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

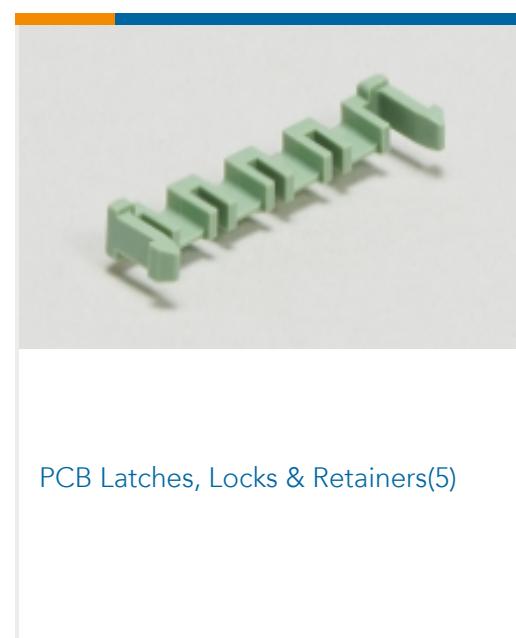
## Also in the Series | GRACE INERTIA 2.5



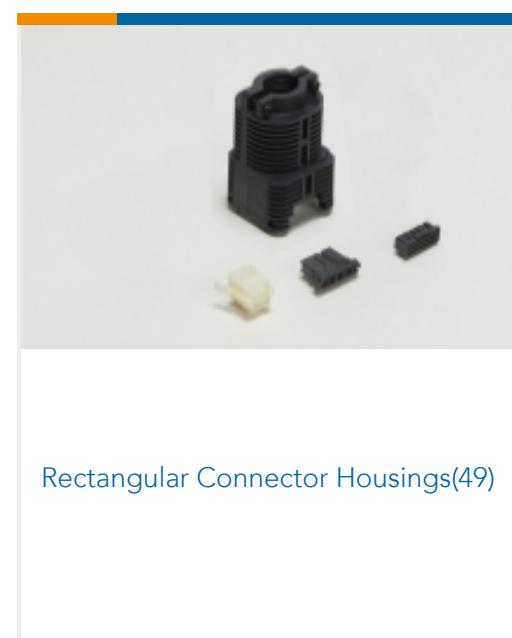
Connector Contacts(2)



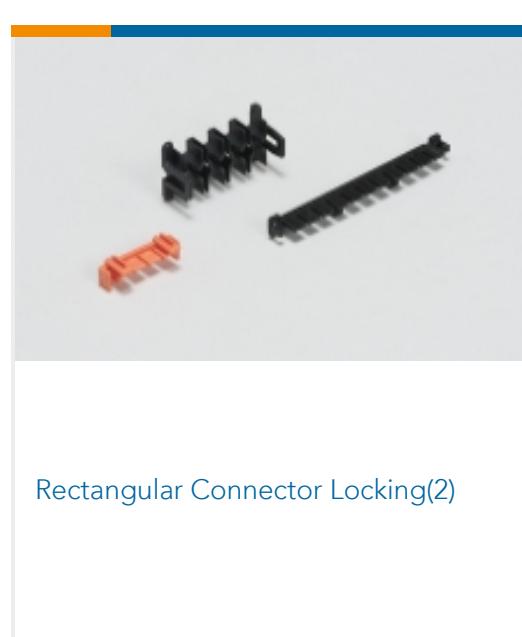
PCB Headers & Receptacles(138)



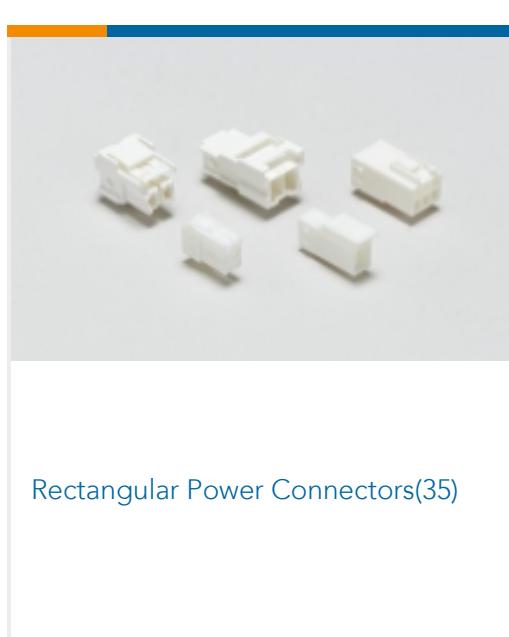
PCB Latches, Locks & Retainers(5)



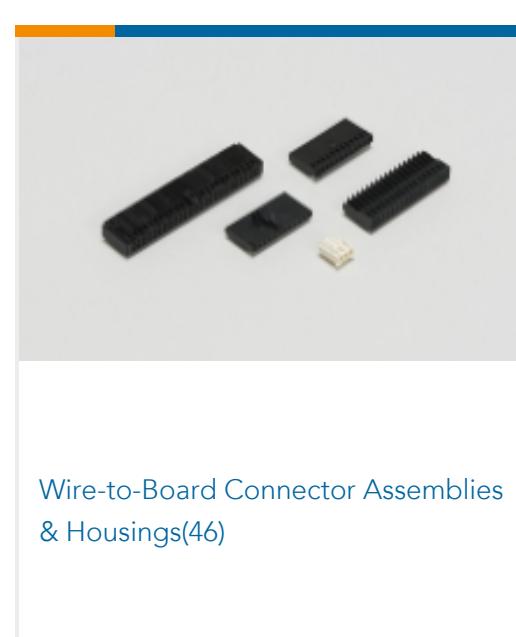
Rectangular Connector Housings(49)



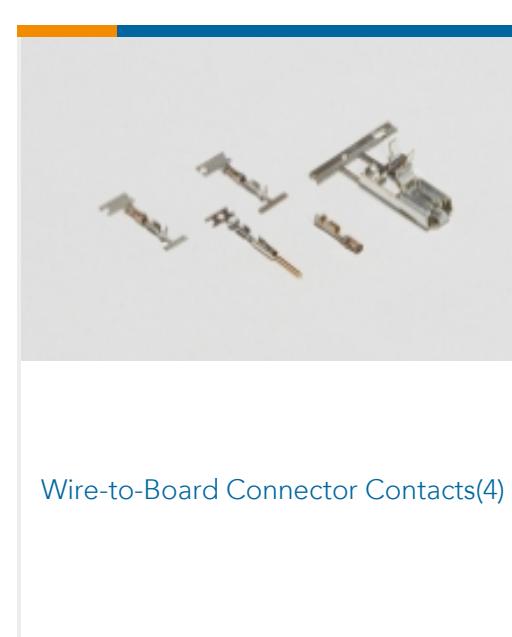
Rectangular Connector Locking(2)



Rectangular Power Connectors(35)



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



Wire-to-Board Connector Contacts(4)

## Customers Also Bought



TE Part #1-2199230-5  
M.2 0.5PITCH 4.2H KEY M 15U" AU



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



TE Part #8-1971793-3  
NEW GI CONN2.5 PLUG HSG 8P RED



TE Part #2334236-4  
QSFP TO [4]SFP 25GIG 30AWG 2  
METER



TE Part #449690-1  
LGH-1 BULKHEAD RECEPT.



TE Part #1-863701-3  
LGH-1 LEAD MLD END



TE Part #2176526-8  
3503G 2B 60R4 1% 5K RL



TE Part #1618276-9  
K61A741=RELAY, PRESSURIZED



TE Part #5-2176483-2  
RA73F 2A 1K87 0.1% 5K RL

## Documents

### Product Drawings

#### NEW GI CONN2.5 PLUG HSG 5P YLW

English

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### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1971793-4\\_J.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1971793-4\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1971793-4\\_J.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

#### 5-1773465-3-GI2.5Flyer

English

[7-1773465-8-GI2.5-ChineseFlyer](#)

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### Product Specifications

#### Application Specification

English