

1-1747066-3 ✓ ACTIVE



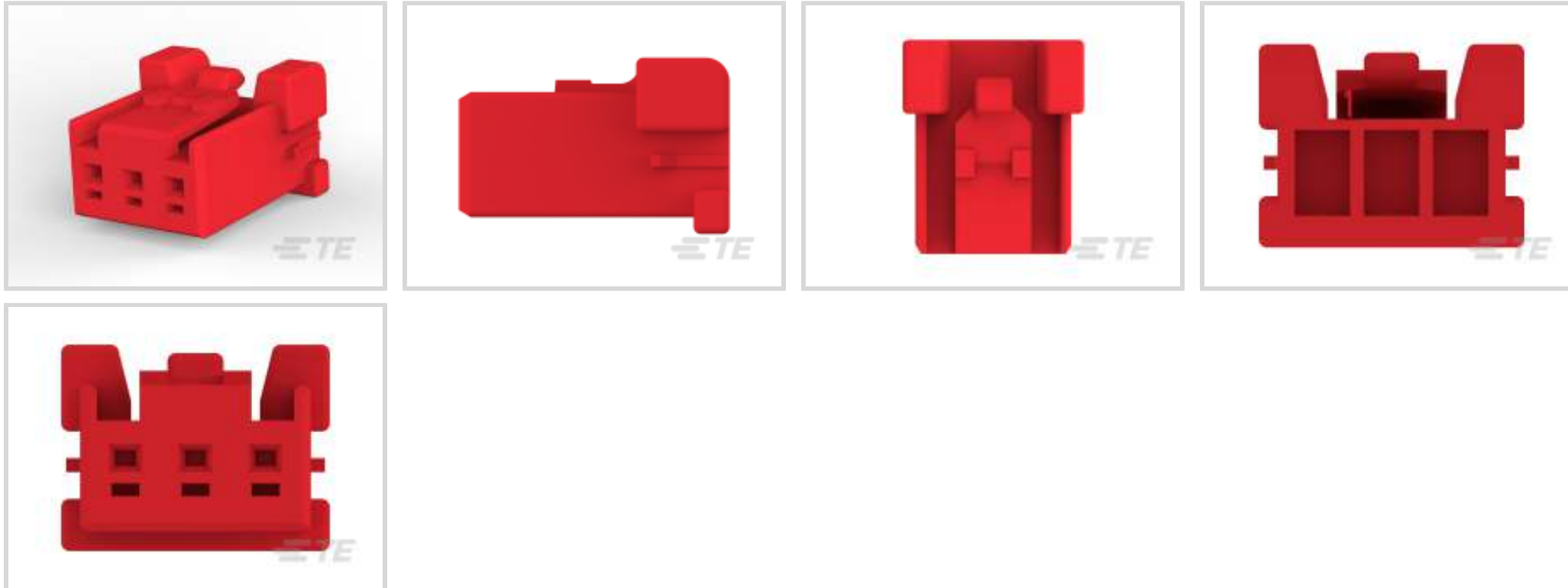
## GRACE INERTIA 2.5

TE Internal #: 1-1747066-3

Rectangular Connector Housings, Wire-to-Board, 3 Position, .098 in [2.5 mm] Centerline, 1 Row, Nylon 66 GF, Plug, Socket, GRACE INERTIA 2.5

[View on TE.com >](#)

Connectors > Rectangular Connectors > Rectangular Connector Housings > STD Temp Sig GRACE INERTIA Plug



Connector System: **Wire-to-Board**

Number of Positions: **3**

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

Number of Rows: **1**

Housing Material: **Nylon 66 GF**

[All STD Temp Sig GRACE INERTIA Plug \(63\)](#)

### Features

#### Product Type Features

Connector System	Wire-to-Board
Connector & Housing Type	Plug
Sealable	No
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Number of Cavities	3
Number of Positions	3
Number of Rows	1

#### Electrical Characteristics

Operating Voltage	50 VAC
-------------------	--------

#### Contact Features

Contact Layout	Inline
----------------	--------



Contact Type	Socket
--------------	--------

### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
-------------------------	----------------------------

### Housing Features

Housing Color	Red
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Nylon 66 GF

### Dimensions

Connector Height	11.3 mm[.445 in]
Product Width	7.1 mm[.279 in]
Product Length	9.6 mm[.378 in]

### Usage Conditions

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

### Operation/Application

Halogen Free	No
Circuit Application	Signal

### Identification Marking

Circuit Identification Feature	Without
--------------------------------	---------

### Packaging Features

Packaging Quantity	800
Packaging Method	Bag

### 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free

Solder Process Capability

Not applicable 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-P729  
STD Temp Sig GRACE INERTIA Plug



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



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




TE Part # 1903392-1  
GIC 2.5 W CAP HSG 3P NATURAL



TE Part # 3-2232701-4  
NEW GI CONN2.5 PLUG HSG 3P YLW


### Also in the Series | GRACE INERTIA 2.5




Connector Contacts(2)



PCB Headers & Receptacles(138)



PCB Latches, Locks & Retainers(5)



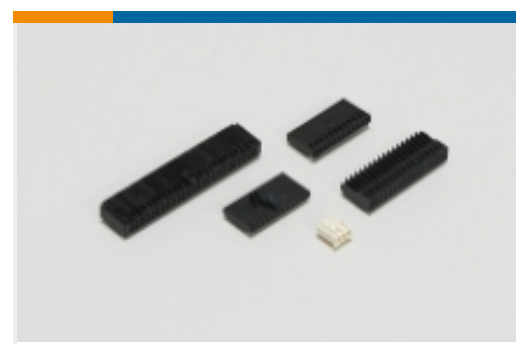
Rectangular Connector Housings(49)



Rectangular Connector Locking(2)

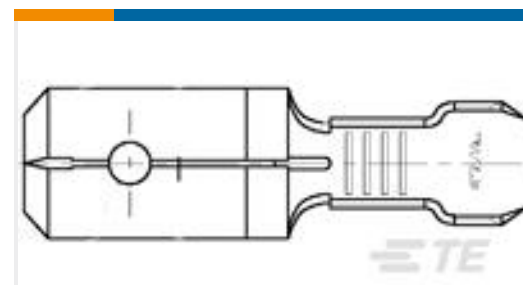
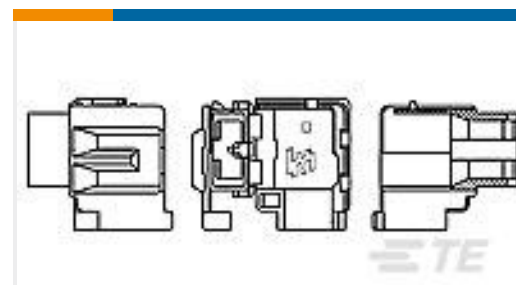
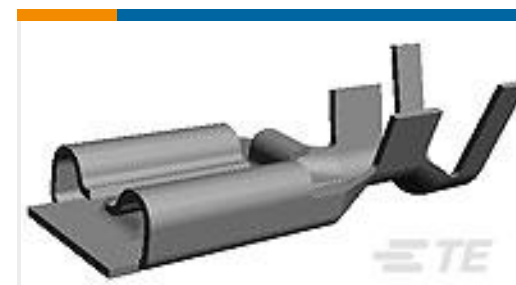


Rectangular Power Connectors(35)

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

Wire-to-Board Connector Contacts(4)

## Customers Also Bought

TE Part #1746973-1  
GRACE INERTIA CONNECTOR 6.2  
MM PITCH TABTE Part #170340-3  
FF 250 TAB 20-14AWG PTBR  
WITHOUT LATCHTE Part #1-176497-1  
250 HSG. PL EX FLAG REC. NATTE Part #179973-1  
250 PL EX REC. 22-18AWG PTBRTE Part #1746977-1  
GRACE INERTIA CONNECTOR 6.2  
MM PITCH 2P CTE Part #42474-4  
250 FASTON TAB 18-14 AWG TPBRTE Part #2013799-1  
250 HSG. PL EX REC. BLACKTE Part #173724-5  
PL EX 187 REC 20-14AWG PTPB

## Documents

### Product Drawings

[GRACE INERTIA CONN 2.5 PLUG HSG 3P RED](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1747066-3\\_E.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1747066-3\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1747066-3\\_E.3d\\_stp.zip](#)

English

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



---

**Product Specifications**

**Application Specification**

English

---

**Product Environmental Compliance**

**Product Compliance**

English

**Product Compliance**

English