# 1-1903389-2 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 2.5

TE Internal #: 1-1903389-2

3 Position, Plug, Housing, Wire-to-Wire, UL 94V-0, 2.5 mm [.098 in] Centerline, 1 Row, 250 VAC, Wire & Cable, Signal, GRACE INERTIA 2.5

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors > STD Temp Sig GRACE INERTIA Plug

Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

UL Flammability Rating: **UL 94V-0**

Number of Positions: **3**

All STD Temp Sig GRACE INERTIA Plug (63)

## 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 | 3 |
| Number of Rows | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VAC |

### Body Features

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

## Contact Features

| | |
|---|---|
| Contact Layout | Inline |
| Contact Type | Socket |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2.5 mm[.098 in] |
| Housing Material | PBT GF |

## Dimensions

| | |
|---|---|
| Connector Width | 9.6 mm[.378 in] |
| Connector Height | 11 mm[.433 in] |
| Connector Length | 11.2 mm[.441 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 |

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | UL |
| Compatible With Approved Standards Products | UL E28476 |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Method | Bag |
| Packaging Quantity | 1000 |

# Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |

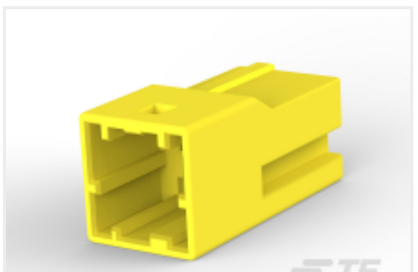
| | |
|---|---|
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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

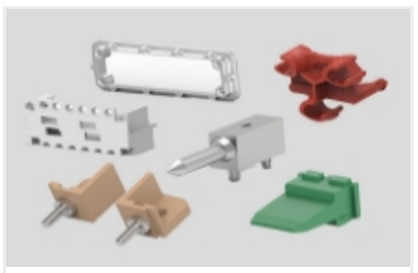


TE Part # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap

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

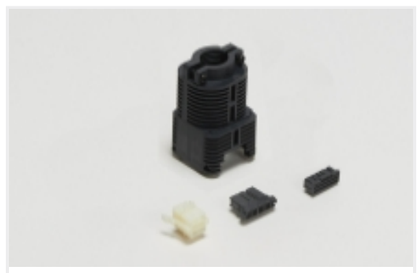
## Also in the Series | GRACE INERTIA 2.5

Connector Contacts(6)



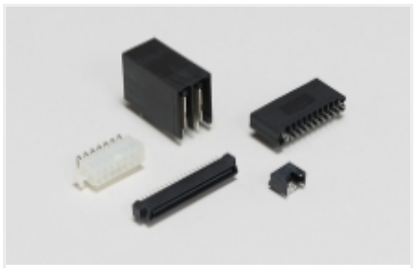
Connector Hardware(7)

Power Contacts(2)



Rectangular Connector Housings(96)

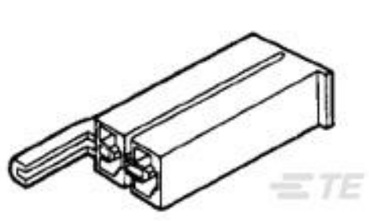
Rectangular Power Connectors(44)



Standard Rectangular Connectors(96)

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

## Customers Also Bought



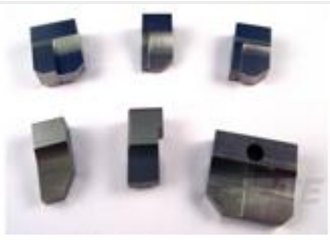
TE Part #1-174587-4
PL MK2 2P 187 HOUSING REC YELLOW

TE Part #179466-4
AMP POWER DBL LOCK CAP HSG 6P

TE Part #316086-9
2.5 S.D.L CAP HSG 2P BLACK

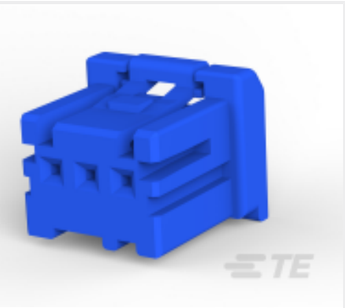
TE Part #917686-9
2.5 S.DBL L. PLUG HSG 2P BLACK

TE Part #6-1633305-7
CRIMPER, WIRE PREMIUM (.046" 'F')

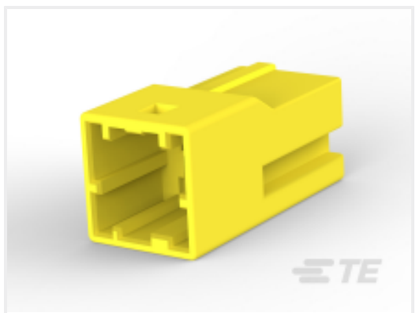


TE Part #6-1633703-9
ANVIL, COMBINATION

TE Part #6-1633919-5
ANVIL COMBINATION



TE Part #2-1903389-3
GIC 2.5 W PLUG HSG 3P BLUE



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

## Documents

### Product Drawings

GIC 2.5 W PLUG HSG 3P RED

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1-1903389-2_G_c-1-1903389-2-g.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_1-1903389-2_G_c-1-1903389-2-g.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1-1903389-2_G_c-1-1903389-2-g.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