# 4-1971905-2 ✔ ACTIVE

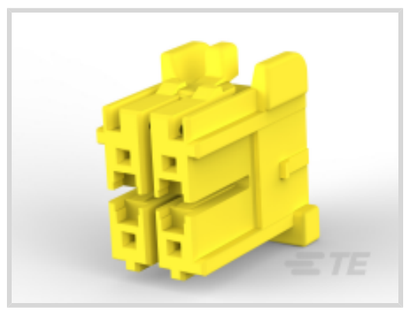
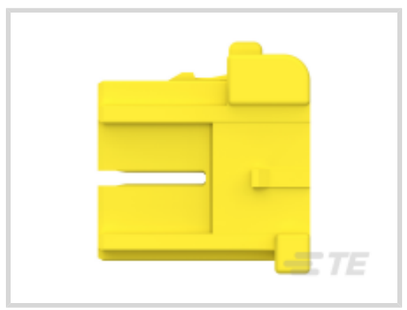
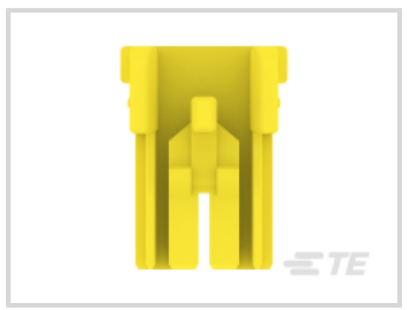
Grace Inertia | GRACE INERTIA 3.3

TE Internal #: 4-1971905-2

GRACE INERTIA 3.3, Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 4 Position, 3.3mm [.129in] Centerline, Wire & Cable, UL 94V-0

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > Glow Wire GRACE INERTIA Plug



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **4**

Centerline (Pitch): **3.3 mm [ .129 in ]**

All Glow Wire GRACE INERTIA Plug (79)

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 4 |
| Keying | D |
| Number of Power Positions | 4 |
| Number of Signal Positions | 4 |
| Number of Rows | 2 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VDC |

## Contact Features

| | |
|---|---|
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 4 A |
| Contact Retention Within Housing | With |
| Contact Type | Receptacle |
| Contact Mating Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 2 µm[78.73 µin] |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Panel Mount Feature | Without |
| PCB Mount Retention | Without |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Mating Retention | With |
| Mating Retention Type | Latch, Locking Latch |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 3.3 mm[.129 in] |
| Housing Color | Yellow |
| Housing Material | PA 66 GF |

## Dimensions

| | |
|---|---|
| Wire Size | 155.91 – 1045.97 CMA |
| Row-to-Row Spacing | 5.2 mm[.205 in] |
| Height | 12.4 mm[.488 in] |
| Length | 9 mm[.354 in] |

## 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 | GWT 750°C (Without Flame) |

### Packaging Features

| | |
|---|---|
| Packaging Method | Bag |
| Packaging Quantity | 500 |

### Other

| | |
|---|---|
| For Use With | Header Assembly |

## Product Compliance

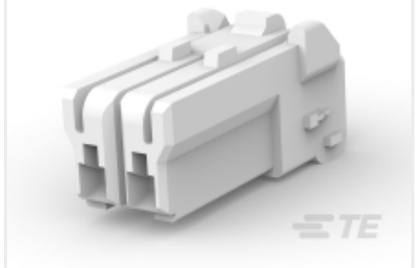
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>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

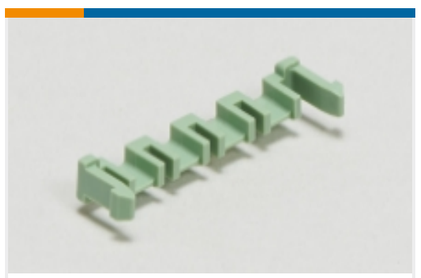


TE Part # CAT-G7534-P729A
Glow Wire GRACE INERTIA Plug

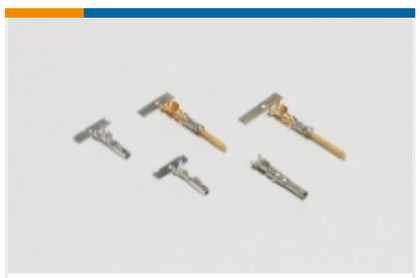


TE Part # CAT-G7534-T669
GRACE INERTIA TPA

## Also in the Series | GRACE INERTIA 3.3



PCB Latches, Locks & Retainers(6)



Power Contacts(1)

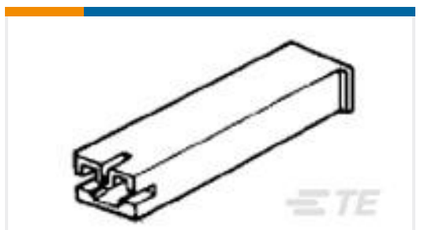


Rectangular Connector Locking(8)



Rectangular Power Connectors(61)

## Customers Also Bought



TE Part #173974-1
187 HSG. PL MKII REC. NAT



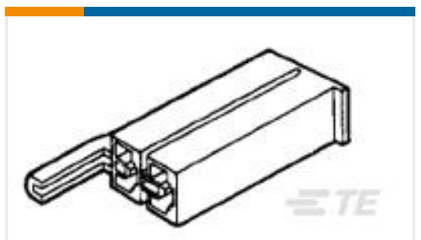
TE Part #1565090-1
GRACE INERTIA CONNECTOR 3.5 3P



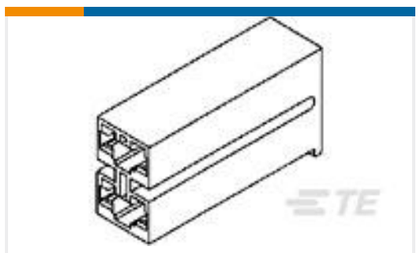
TE Part #1-1981970-2
STD Temp Sig GRACE INERTIA Plug



TE Part #1376392-2
STD Temp Power Key Plug



TE Part #1-174587-6
PL MK2 2P 187 HOUSING RECEPTACLE BLUE



TE Part #1-172210-4
3P PL MK-2 187(4.8 MM) HOUSING REC



TE Part #170005-4
RING STRIP 20-16 AWG 0198 X .325



TE Part #1376388-2
5MM POWER KEY 2P PLUG HSG NUT (W/O GF)



TE Part #913695-1
BLADE,SHEAR

# Documents

## Product Drawings

PLUG HOUSING 4POS,KEYING-D,NEW GIC3.3

English

## CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1971905-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-1971905-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1971905-2_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

5-1773465-4-GI3.3Flyer

English

GI3.3_QRG_CN

7-1773465-7-GI3.3-ChineseFlyer

## Product Specifications

Application Specification

English

## Product Environmental Compliance

MD_4-1971905-2_12022013443_dmtec

English

MD_4-1971905-2_12022013443_dmtec

English