# 2-1971905-7 ✔ ACTIVE

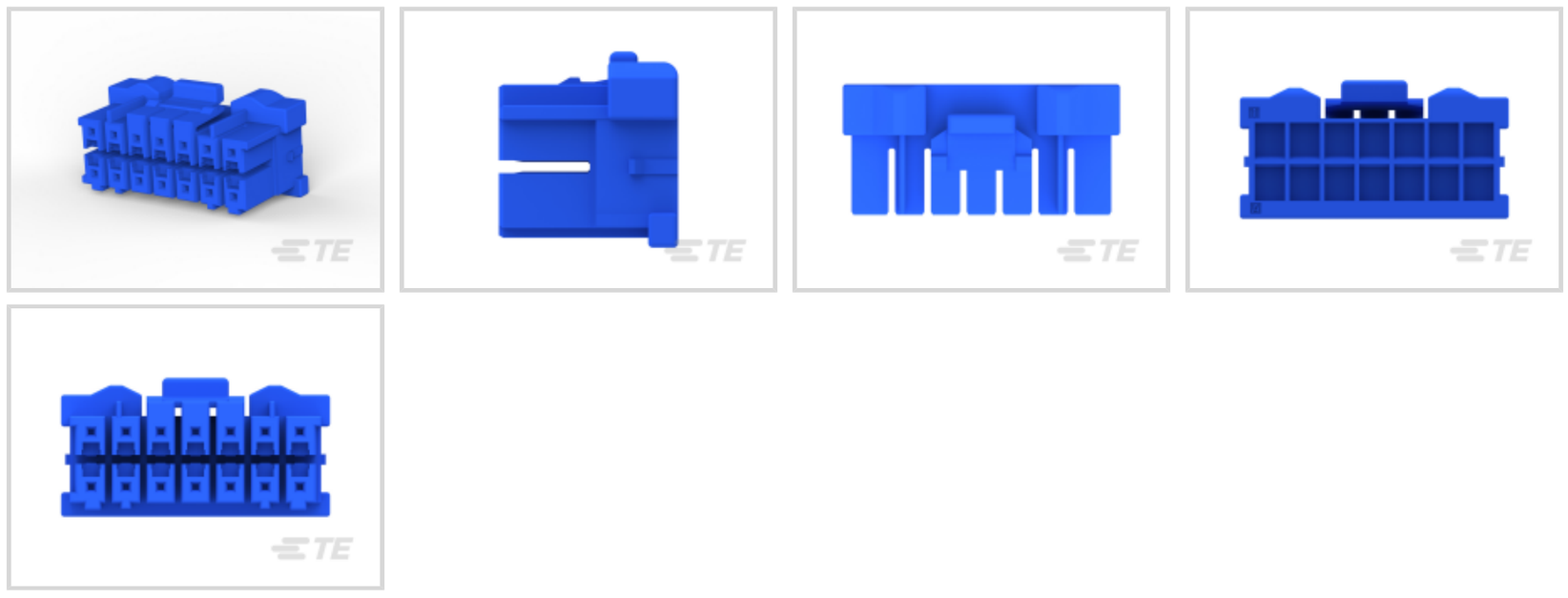
GRACE INERTIA | GRACE INERTIA 3.3

TE Internal #: 2-1971905-7

14 Position, Plug, Housing, Crimp, Wire-to-Board, Tin (Sn), UL 94V-0, 3.3 mm [.129 in] Centerline, 2 Row, 250 VAC, Wire & Cable, GRACE INERTIA 3.3

View on TE.com >

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



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Contact Mating Area Plating Material: **Tin (Sn)**

Contact Retention Within Housing: **With**

All Glow Wire GRACE INERTIA Plug (78)

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 14 |
| Number of Rows | 2 |
| Number of Power Positions | 14 |
| Number of Signal Positions | 14 |

### Electrical Characteristics

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

## Body Features

| | |
|---|---|
| Primary Product Color | Blue |

## Contact Features

| | |
|---|---|
| Multiple Contact Types | Without |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Retention Within Housing | With |
| Contact Type | Receptacle |
| Contact Current Rating (Max) | 4 A |
| Contact Mating Area Plating Material Thickness | 2 µm[78.73 µin] |

## Termination Features

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

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Width | 12.4 mm |
| Row-to-Row Spacing | 5.2 mm[.205 in] |
| Wire Size | 414.44 – 1045.97 CMA |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Circuit Application | Power & Signal |

## Identification Marking

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

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | UL |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | GWT 750°C (Without Flame) |

## 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 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<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

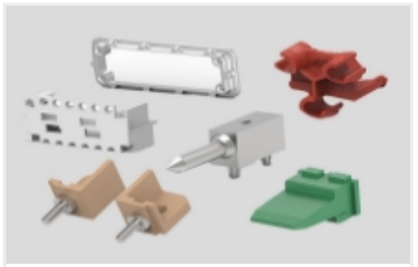


TE Part # CAT-G7534-P729A
Glow Wire GRACE INERTIA Plug

## Also in the Series | GRACE INERTIA 3.3



Connector Contacts(3)



Connector Hardware(15)



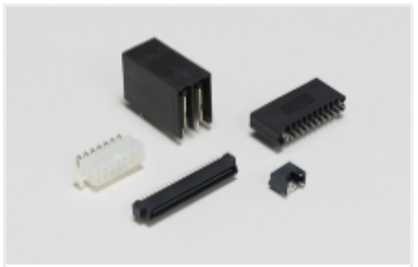
Power Contacts(3)



Rectangular Connector Housings(34)



Rectangular Power Connectors(70)



Standard Rectangular Connectors(34)



Wire-to-Board Connector Assemblies & Housings(34)

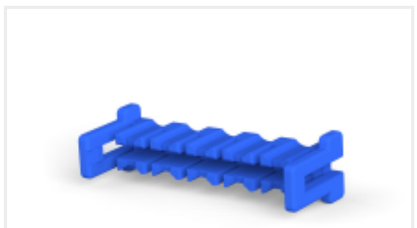
## Customers Also Bought



TE Part #1-1565084-2
GRACE INERTIA CONNECTOR 3.5 6P



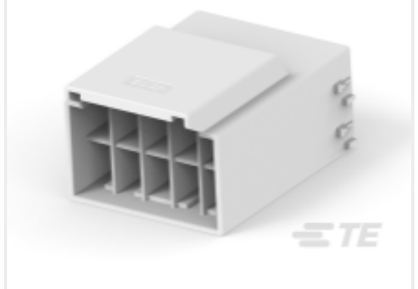
TE Part #2-1565088-3
GRACE INERTIA CONNECTOR 3.5 6P



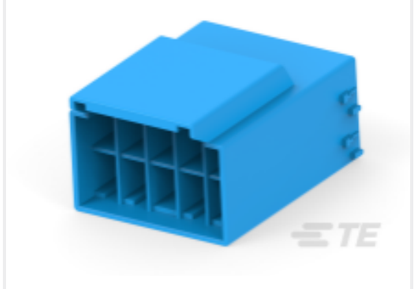
TE Part #2-1971904-5
TPA 10POS,NEW GIC3.3



TE Part #1-1971905-6
PLUG HOUSING 12POS,KEYING-A, NEW GIC3.3



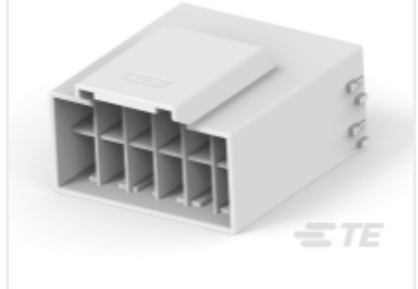
TE Part #2357093-1
GRACE INERTIA 3.5W CAP 10P NAT



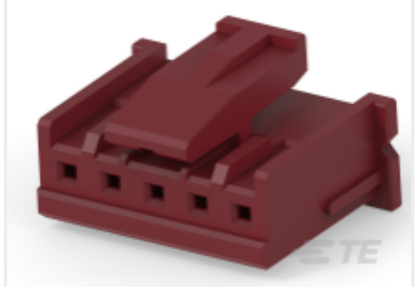
TE Part #2-2357093-3
GRACE INERTIA 3.5W CAP 10P BLU



TE Part #2357094-1
GRACE INERTIA 3.5W TPA 5P



TE Part #2357096-1
GRACE INERTIA 3.5W CAP 12P NAT



TE Part #2406060-5
ECONOMY POWER 2.5 PLUG HOUSING, 5P,Red



TE Part #1-2357093-2
GRACE INERTIA 3.5W CAP 10P RED

## Documents

## Product Drawings

PLUG HOUSING 14POS,KEYING-B,NEW GIC3.3

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_2-1971905-7_C.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_2-1971905-7_C.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_2-1971905-7_C.3d_stp.zip

English

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

## Datasheets & Catalog Pages

GI3.3_QRG_CN

## Product Specifications

### Application Specification

English