

3-1747050-1 ✓ ACTIVE



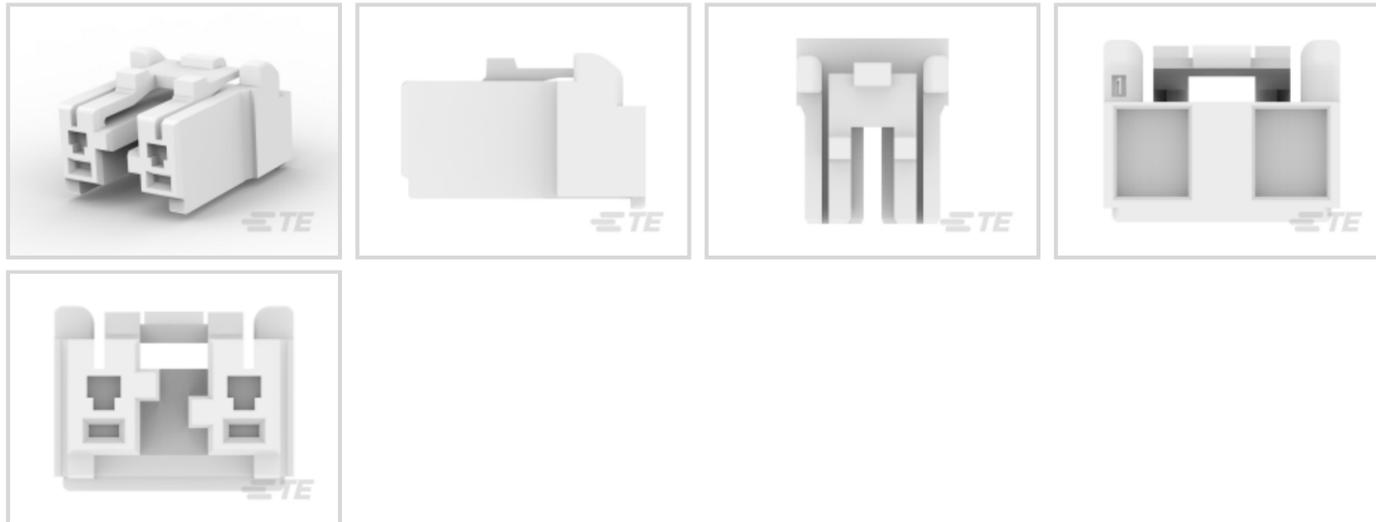
## GRACE INERTIA 7.92

TE Internal #: 3-1747050-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 2 Position, 7.92 mm [.312 in] Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 7.92

[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: **2**

Centerline (Pitch): **7.92 mm [.312 in]**

[All Glow Wire GRACE INERTIA Plug \(78\)](#)

## 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	2
Number of Power Positions	2
Number of Signal Positions	3
Number of Rows	1

### Electrical Characteristics

Operating Voltage	300 VDC
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### Contact Features

Multiple Contact Types	Without
Contact Current Rating (Max)	10 A
Contact Retention Within Housing	With
Contact Type	Receptacle
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 $\mu\text{m}$ [31.5 $\mu\text{in}$ ]

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Centerline (Pitch)	7.92 mm[.312 in]
Housing Color	Natural
Housing Material	Nylon 6/6 GF

### Dimensions

Wire Size	434.18 – 2723.46 CMA
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### Usage Conditions

Operating Temperature Range	-30 – 105 $^{\circ}\text{C}$ [-22 – 221 $^{\circ}\text{F}$ ]
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### Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

### Identification Marking

Circuit Identification Feature	Without
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### Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750 $^{\circ}\text{C}$ (Without Flame)

### Packaging Features

Packaging Method	Bag
Packaging Quantity	1500

## 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 2022 (224) Candidate List Declared Against: JAN 2021 (211) 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 # 3-1747052-1  
GIC7.92 2POS\_HDR ASS'Y NAT  
KEYING D



TE Part # 1-1747050-4  
GIC 7.92 2POS PLUG YELLOW  
KEYING B

Also in the Series | [GRACE INERTIA 7.92](#)



## Documents

### Product Drawings

[GIC 7.92 2POS PLUG NAT KEYING D](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1747050-1\\_F.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1747050-1\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1747050-1\\_F.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[1-1773883-5 GRACE INERTIA connector quick reference guide](#)

English

### Product Specifications

[5.0 POWER KEY CONNECTOR](#)

Japanese

[Application Specification](#)

Japanese

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Agency Approvals

[UL Report](#)

English

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