

3-1747050-1 ✓ ACTIVE



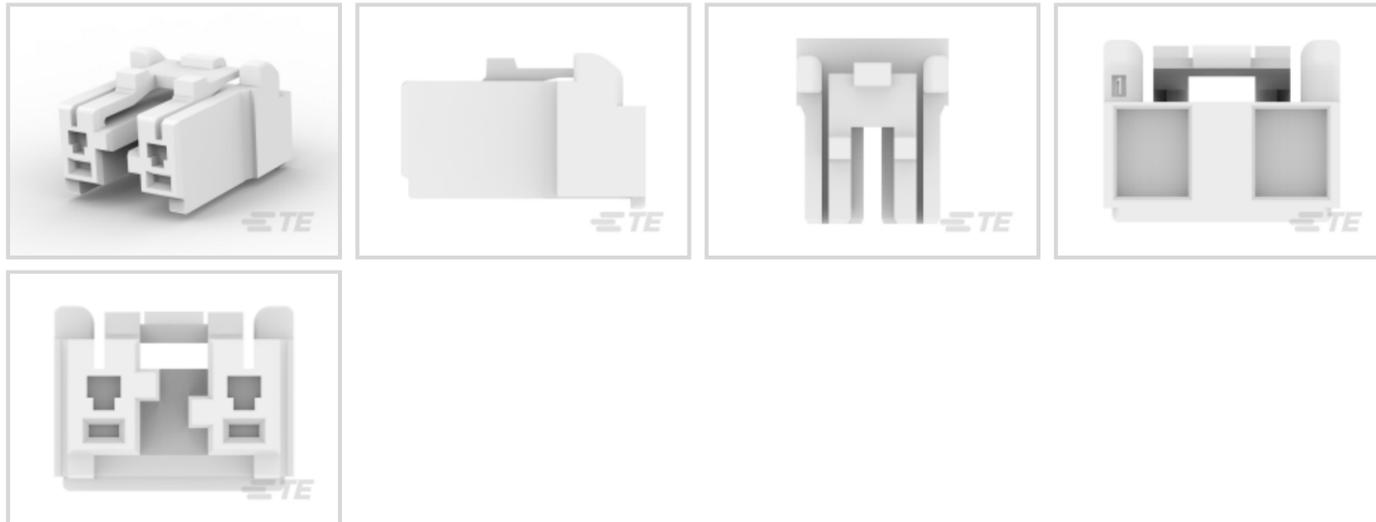
## GRACE INERTIA 7.92

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 Mating Area Plating Material	Tin
Contact Current Rating (Max)	10 A
Contact Retention Within Housing	With
Contact Type	Receptacle
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

Circuit Application	Power & Signal
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### 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 Quantity	1500
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

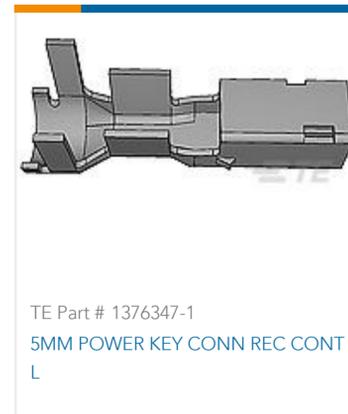


## Also in the Series | GRACE INERTIA 7.92



Rectangular Power Connectors(39)

## Customers Also Bought

TE Part # 177916-1  
AMP POWER DBL LOCK TAB (S)TE Part # 350628-1  
.062 COMM P&S SOK 18-24 PTPBRTE Part # 964203-1  
STD PW TIMER CONTACTTE Part # 1376347-1  
5MM POWER KEY CONN REC CONT LTE Part # 2382224-1  
EP 2.5 RCPT CONTACT, 26-22 AWG,  
Low IFTE Part # 1747995-1  
GHC EYELET 6.2 3POS PLUG  
HOUSING NATURALTE Part # 5-2295787-7  
STD TIMER PLUG HSG 7P W/EXT.  
LOCKING-SPTE Part # 62131-9  
CLSTR PIN RCPT

## 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.



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**Datasheets & Catalog Pages**

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

English

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**Product Specifications**

[Application Specification](#)

English