

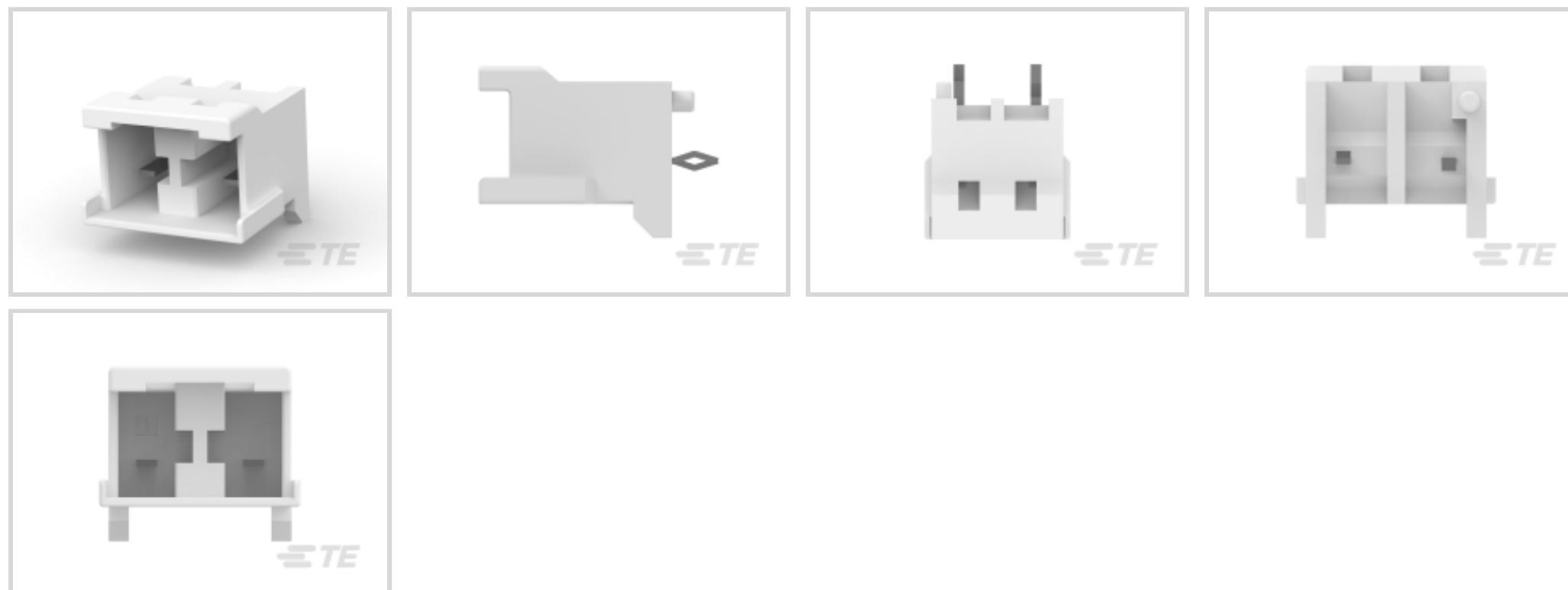
## GRACE INERTIA 7.92

TE Internal #: 1747052-1

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 2 Position, 7.92 mm [.312 in] Centerline, Printed Circuit Board, GRACE INERTIA 7.92

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

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

## Features

### Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Signal Positions	2
Number of Rows	1

### Electrical Characteristics

Operating Voltage	300 VDC
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### Body Features

Connector & Keying Code	A
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### Contact Features

PCB Contact Termination Area Plating Material Thickness	.8 µm[31.496 µin]
Contact Layout	Inline
Mating Tab Width	1.5 mm[.059 in]
Contact Underplating Material Thickness	.8 - 3 µm[31.496 - 118.11 µin]
Contact Mating Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	10 A
Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]

### Termination Features

Termination Post & Tail Length	4.4 mm[.173 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Kinked
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	7.92 mm[.312 in]
Housing Color	Natural

## Housing Material

Nylon 6/6 GF

## Dimensions

Connector Height

14.5 mm [.57 in]

PCB Thickness (Recommended)

.06 mm [1.6 in]

Product Length

14.97 mm [.589 in]

Wire Size

434.18 - 2723.46 CMA

## Usage Conditions

Operating Temperature Range

-30 - 105 °C [-22 - 221 °F]

## Operation/Application

Circuit Application

Power &amp; Signal

## Industry Standards

UL Flammability Rating

UL 94V-0

Glow Wire Rating

GWT 750°C (Without Flame)

## Packaging Features

Packaging Quantity

250

Packaging Method

Bag

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 &gt; 900 ppm.

Solder Process Capability

Wave solder capable to 265°C

## 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 # 1747050-1  
GRACE INERTIA CONNECTOR 7.92  
2POS PLUG H



TE Part # 1-1747052-2  
GIC 7.92MM CONN HDR ASS'Y 2POS  
RED



TE Part # 3-1747052-4  
GIC 7.92MM CONN HDR ASS'Y 2POS  
YELLOW



TE Part # 2-1747052-5  
GIC7.92 2POS\_HDR ASS'Y GREEN  
KEYING C



TE Part # 1-1747052-4  
GIC7.92 2POS\_HDR ASS'Y YELLOW  
KEYING B



TE Part # 3-1747052-5  
GIC7.92 2POS\_HDR ASS'Y GREEN  
KEYING D

## Also in the Series

### GRACE INERTIA 7.92



Rectangular Power Connectors(39)

## Customers Also Bought



TE Part # 5-1747072-3  
GRACE INERTIA CONN 2.5 ON TAPE  
HDR 3P NA



TE Part # 7-1747072-4  
GRACE INERTIA CONN 2.5 ON TAPE  
HDR 4P BL



TE Part # 1747052-5  
GRACE INERTIA CONNECTOR 7.92  
2POS HEADER



TE Part # 2-1971032-3  
3POS HEADER ASSEMBLY FOR GIC  
2.0 EV



## Documents

### Product Drawings

#### GRACE INERTIA CONNECTOR 7.92 2POS\_HEADER

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1747052-1\\_F.2d\\_dxf.zip](#)

English

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1747052-1\\_F.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1747052-1\\_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

#### Application Specification

English