# 1747995-1 ✓ ACTIVE

#### **GRACE INERTIA 6.2**

TE Internal #: 1747995-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 3 Position, .244 in / .488 in [6.2 mm / 12.4 mm] Centerline, GRACE

INERTIA 6.2

View on TE.com >



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











Rectangular Power Connector Type: Housing

Connector & Housing Type: Plug
Connector System: Wire-to-Board

Number of Positions: 3

Centerline (Pitch): 6.2 mm, 12.4 mm [ .244 in, .488 in ]

## **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	3
Keying	A
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1
Electrical Characteristics	
Operating Voltage	600 VDC



Contact Layout	Inline
Contact Current Rating (Max)	20 A
Contact Retention Within Housing	With
Contact Type	Receptacle
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 μm[31.5 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)	6.2 mm, 12.4 mm[.244 in][.488 in]
Housing Color	Natural
Housing Material	Nylon 6/6 GF
Dimensions	
Wire Size	2427 – 7144 CMA
Height	11.4 mm[.45 in]
Length	19.4 mm[.762 in]
Usage Conditions	
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
Operation/Application	
Circuit Application	Power
Industry Standards	
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)



### **Packaging Features**

Packaging Method Packaging Quantity	700
Other	

#### Otner

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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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-onreach

# Compatible Parts





TE Part # 1747995-2 GHC EYELET 6.2 3POS PLUG **HOUSING RED** 



TE Part # CAT-G7534-R2435 GRACE INERTIA Receptacle



TE Part # 1747995-3 GHC EYELET 6.2 3POS PLUG HOUSING BLUE



TE Part # 1747996-1 GHC EYELET 12.4 2POS HEADER **ASSY NATURAL** 



TE Part # 1-2232564-1 GHC 6.2MM 3POS TPA HSG



# Also in the Series | GRACE INERTIA 6.2



Power Contacts(4)



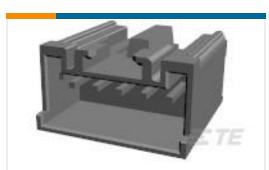


Rectangular Power Connectors(13)

# Customers Also Bought



TE Part #179464-1 POWER DBL LOCK CAP HSG F/H 3P



TE Part #917725-1 2.5 SIGNAL D/LOCK HDR ASSY 5P



TE Part #2232563-1 GHC 9.0MM 3POS TPA



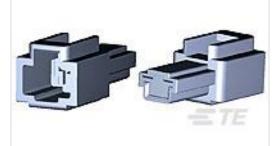
TE Part #1827387-1 Glow Wire GRACE INERTIA Plug



TE Part #1827395-1 GIC 3.3 REC CONTACT TIN PLATE



TE Part #1747996-1 GHC EYELET 12.4 2POS HEADER ASSY NATURAL



TE Part #1-172127-1 FF 250 REC HSG 1P NYLON NAT

TE Part #4-1903414-2 GHC 9.0 3POS PLUG HSG BLACK



## **Documents**

# **Product Drawings**

**GHC EYELET 6.2 3POS PLUG HOUSING NATURAL** 

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1747995-1\_G.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1747995-1\_G.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1747995-1\_G.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

**Product Environmental Compliance** 

MD\_1747995-1\_09192017238\_dmtec

English

MD\_1747995-1\_09192017238\_dmtec

English

Agency Approvals

**UL Report** 

English