



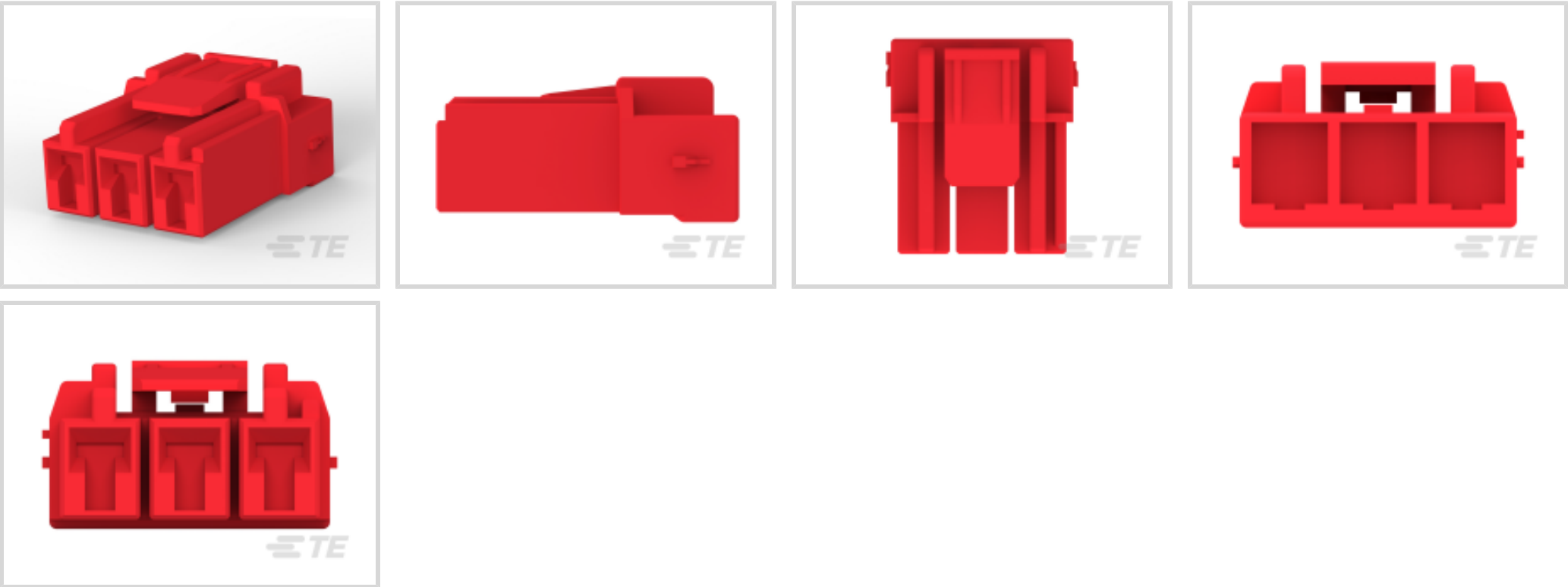
GRACE INERTIA 6.2

TE Internal #: 1747995-2

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	B
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
-------------------	---------

Contact Features



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	Red
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	Bag
Packaging Quantity	700

Other

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1746978-1
GRACE INERTIA 6.2mm PITCH CAP
3POS

TE Part # CAT-G7534-R2435
GRACE INERTIA Receptacle

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

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

TE Part # 1747995-1
GHC EYELET 6.2 3POS PLUG
HOUSING NATURAL

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

TE Part # 1747995-4
GHC EYELET 6.2 3POS PLUG
HOUSING YELLOW

Also in the Series | GRACE INERTIA 6.2

Power Contacts(4)

Rectangular Connector Locking(1)

Rectangular Power Connectors(13)

Customers Also Bought

TE Part #917683-1
2.5 SIGNAL DBL LOCK REC CONT L

TE Part #1-1123823-1
EP IP PLUG NATURAL

TE Part #170329-1
250 PL MKII REC. 15-10AWG PTBR

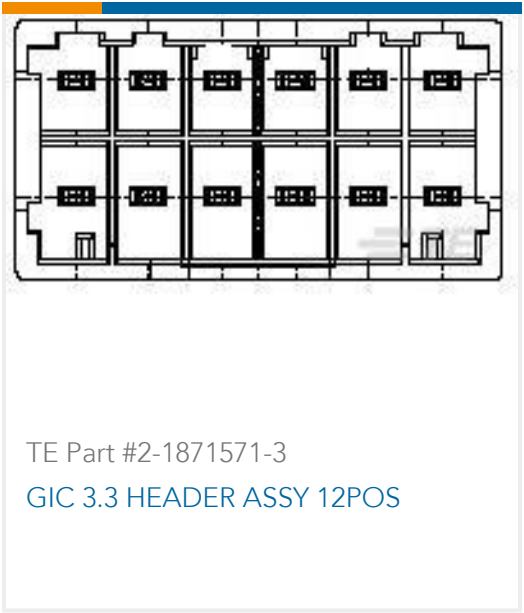
TE Part #175149-2
AMP UNIVE. POWER CONN TAB
CONT

TE Part #2-172076-1
250 HSG. PL MKII REC. NAT

TE Part #179973-1
250 PL EX REC. 22-18AWG PTBR

TE Part #179970-1
250 HSG. PL EX REC.

TE Part #1827387-1
GIC 3.3 PLUG HOUSING 8P



Documents

Product Drawings

GHC EYELET 6.2 3POS PLUG HOUSING RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747995-2_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1747995-2_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747995-2_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_1747995-2_021720162243_dmtec

English

MD_1747995-2_021720162243_dmtec

English

Agency Approvals

UL Report

English