1903414-1 ✔ ACTIVE

GRACE INERTIA 9.0

TE Internal #: 1903414-1

Housing, Plug, Wire-to-Board, 3 Position, 9 mm [.354 in] Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 9.0, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > Glow Wire GRACE INERTIA Plug







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

All Glow Wire GRACE INERTIA Plug (78)

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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
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 Mating Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	20 A
Contact Retention Within Housing	With
Contact Type	Receptacle
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
Mating Retention Type	Locking Latch, Latch
PCB Mount Retention	Without
Mating Retention	With
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	9 mm[.354 in]
Housing Color	Natural
Housing Material	Nylon 6/6 GF

Dimensions

Product Length	26.4 mm[1.038 in]
Connector Height	10.4 mm[.41 in]
Wire Size	2427 – 7144 CMA

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 Quantity	100
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

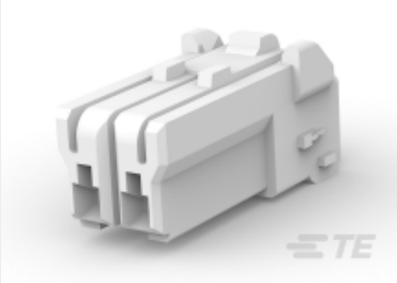
Product Compliance Disclaimer

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 # 1903415-1
GHC 9.0 3POS HDR ASSY

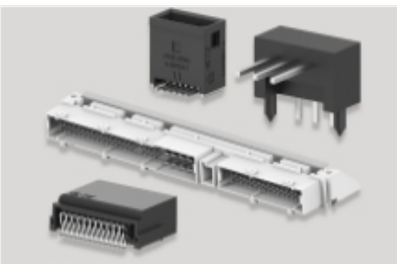


TE Part # CAT-G7534-P729A
Glow Wire GRACE INERTIA Plug

Also in the Series | GRACE INERTIA 9.0



Connector Hardware(1)



PCB Headers & Receptacles(3)

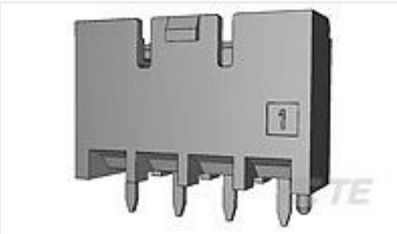


Rectangular Power Connectors(6)

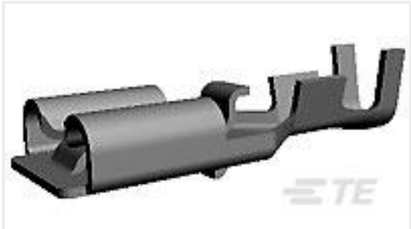
Customers Also Bought



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



TE Part #2-1376383-3
5MM B-T-W CONN. 3P HDR ASSEMBL



TE Part #179975-1
250 PL EX REC. 15-10AWG PTBR



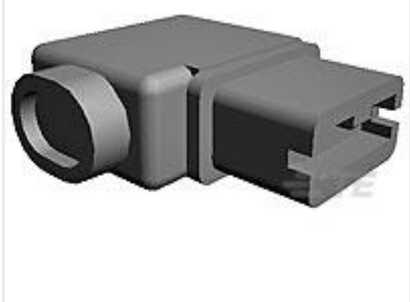
TE Part #175024-1
250 PL EX REC. 15-10AWG PTBR



TE Part #1554296-1
GI CONN 2.5 PLUG HSG 5P LEVER SPECIAL



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



TE Part #1-176497-7
PL EX SLEEVE 250 FLAG RED 6/6 NYLON



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

Documents

Product Drawings

GHC 9.0 3POS PLUG HSG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1903414-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1903414-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1903414-1_K.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