1903414-2 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 9.0

TE Internal #: 1903414-2

3 Position, Plug, Housing, Crimp, Wire-to-Board, Tin (Sn), UL 94V-0, 9 mm [.354 in] Centerline, 1 Row, 600 VAC, Wire & Cable, Power, GRACE INERTIA 9.0

View on TE.com >

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







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Contact Mating Area Plating Material: **Tin (Sn)**

Contact Retention Within Housing: **With**

All Glow Wire GRACE INERTIA Plug (78)

Features

Product Type Features

Connector Product 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 Rows	1
Number of Power Positions	3
Number of Signal Positions	0

Electrical Characteristics

Operating Voltage	600 VDC

Body Features

Primary Product Color	Red

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

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 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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

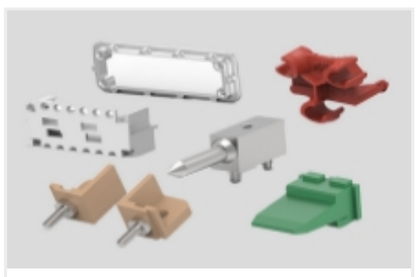


TE Part # CAT-G7534-R2435
GRACE INERTIA Receptacle

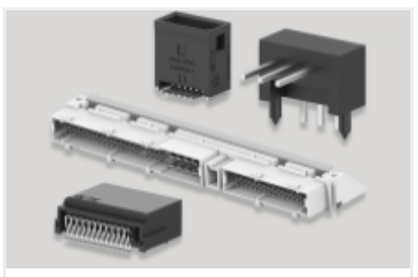


TE Part # 2232563-1
GHC 9.0MM 3POS TPA

Also in the Series | GRACE INERTIA 9.0



Connector Hardware(1)



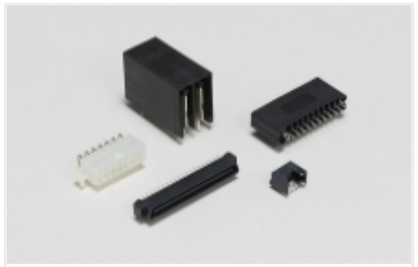
PCB Headers & Receptacles(3)



Rectangular Connector Housings(6)



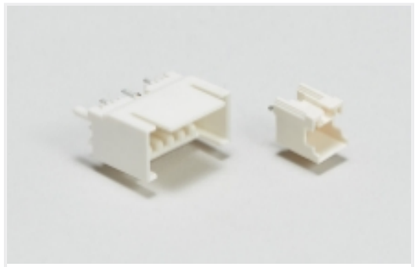
Rectangular Power Connectors(9)



Standard Rectangular Connectors(6)

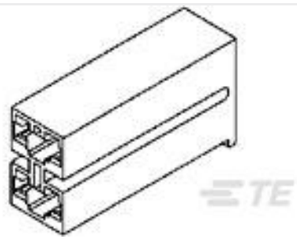


Wire-to-Board Connector Assemblies & Housings(6)



Wire-to-Board Headers & Receptacles (3)

Customers Also Bought



TE Part #172210-1
POSITIVE LOCK 250 HOUSING RECEPTACLE



TE Part #350778-1
02P UMNL CAP HSG



TE Part #917687-1
2.5 SIGNAL D/LOCK PLUG HSG 3P



TE Part #CAT-SI261-T669
Signal Double Lock TPA



TE Part #5-1565085-3
GRACE INERTIA CONNECTOR 3.5W 2POS CAP



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



TE Part #2-1969541-6
RETAINER, TPA, DUAL ROW, EP2.5



TE Part #2232905-1
EP 2.5 LIF RCPT CONTACT, 26-22 AWG



TE Part #175019-5
PL 187 REC 22-16 AWG 0.3 X 22.8 PTPHBZ

Documents

Product Drawings

GHC 9.0 3POS PLUG HSG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1903414-2_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1903414-2_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1903414-2_K.3d_stp.zip

English

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Product Specifications

Application Specification

English