

2-1903414-2 ✓ ACTIVE

## GRACE INERTIA 9.0

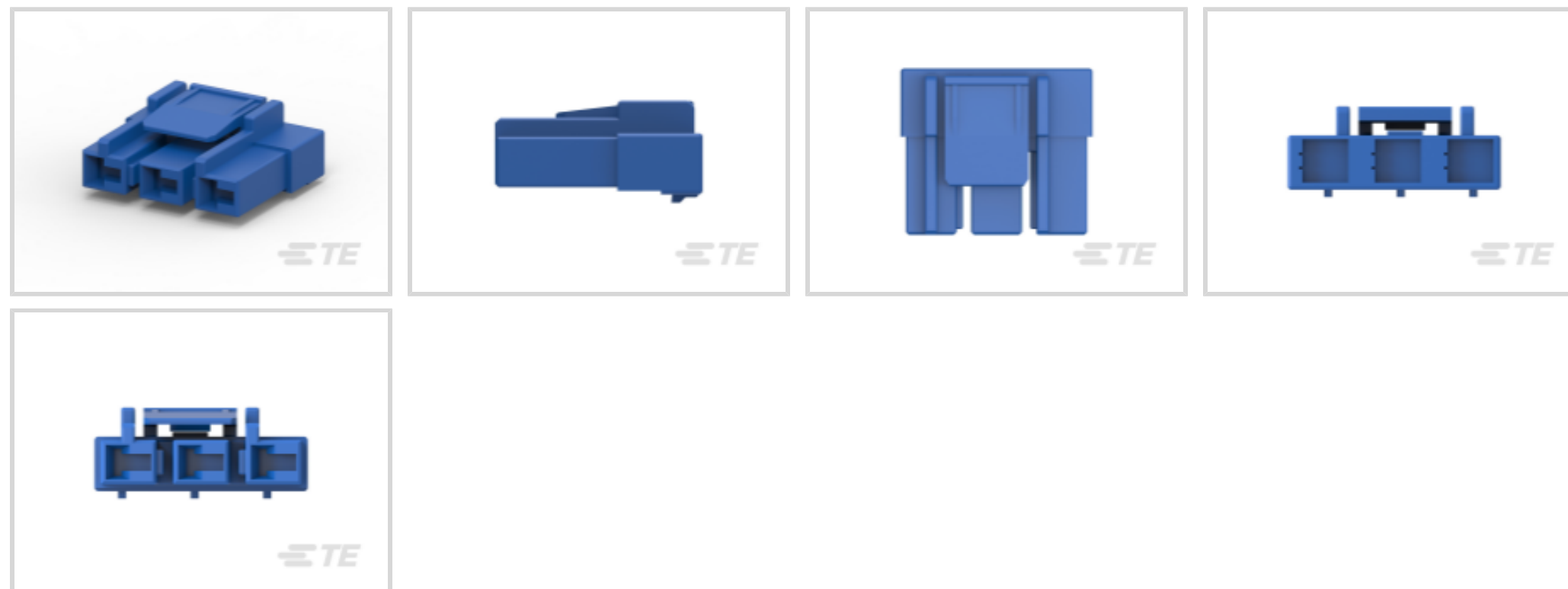
TE Internal #: 2-1903414-2

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
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### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Contact Mating Area Plating Material	Tin
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Contact Current Rating (Max)	20 A
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Contact Retention Within Housing	With
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Contact Type	Receptacle
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Contact Mating Area Plating Material Thickness	.8 $\mu\text{m}$ [31.5 $\mu\text{in}$ ]
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### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

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

Product Length	26.4 mm
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Connector Height	22.9 mm
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Wire Size	2427 – 7144 CMA
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### Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

UL Flammability Rating	UL 94V-0
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Glow Wire Rating	GWT 750°C (Without Flame)
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### Packaging Features

Packaging Quantity	100
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Packaging Method	Bag
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## 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 reviewed for solder process capability

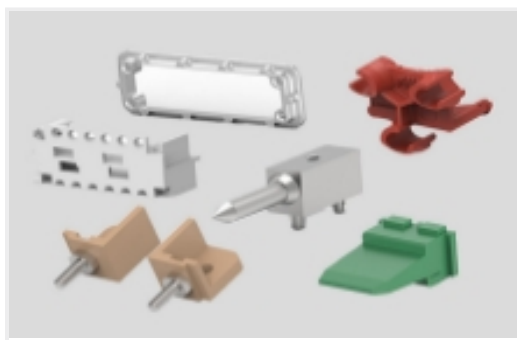
### Product Compliance Disclaimer

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>

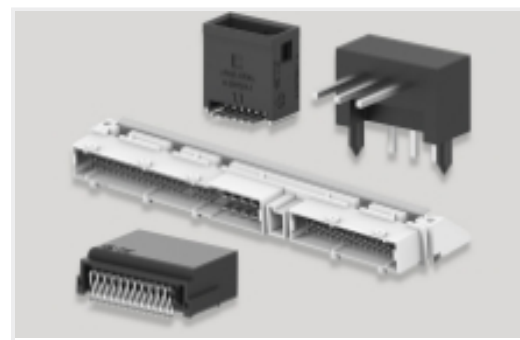
## Compatible Parts



Also in the Series | [GRACE INERTIA 9.0](#)



Connector Hardware(1)



PCB Headers & Receptacles(3)



Rectangular Power Connectors(6)

## Customers Also Bought



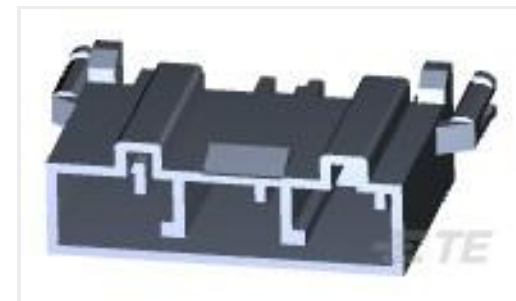
TE Part #3-1630019-1  
HSC200 1K8 5%



TE Part #172167-1  
4 CIR UNIV M-N-L PLUG



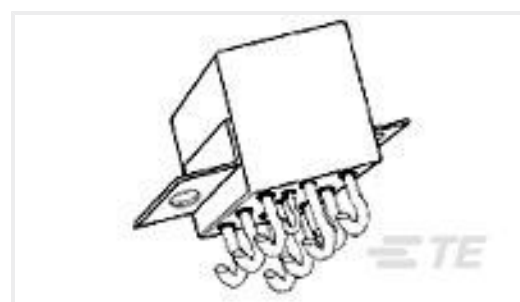
TE Part #2232563-1  
GHC 9.0MM 3POS TPA



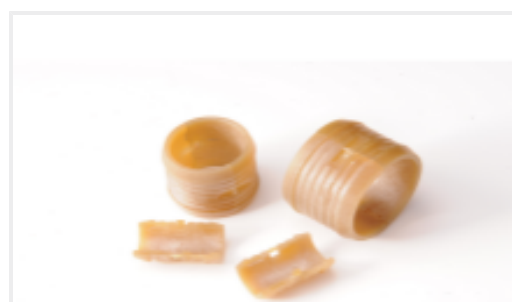
TE Part #2-1903415-1  
GHC 9.0 3POS HDR ASSY BLUE



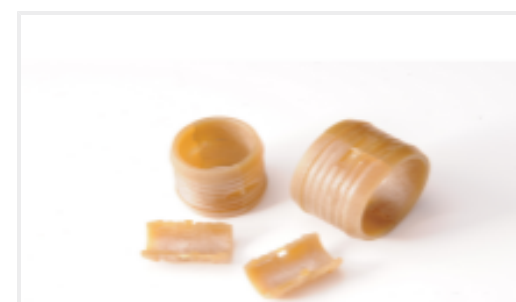
TE Part #350638-4  
MNL SOK L/P



TE Part #6-1617753-0  
FCA-325-CX4



TE Part #EM6345-000  
R85049/93-12



TE Part #EM6347-000  
R85049/93-14

## Documents

### Product Drawings

[GHC 9.0 3POS PLUG HSG BLUE](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1903414-2\\_K.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1903414-2\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1903414-2\\_K.3d\\_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English