

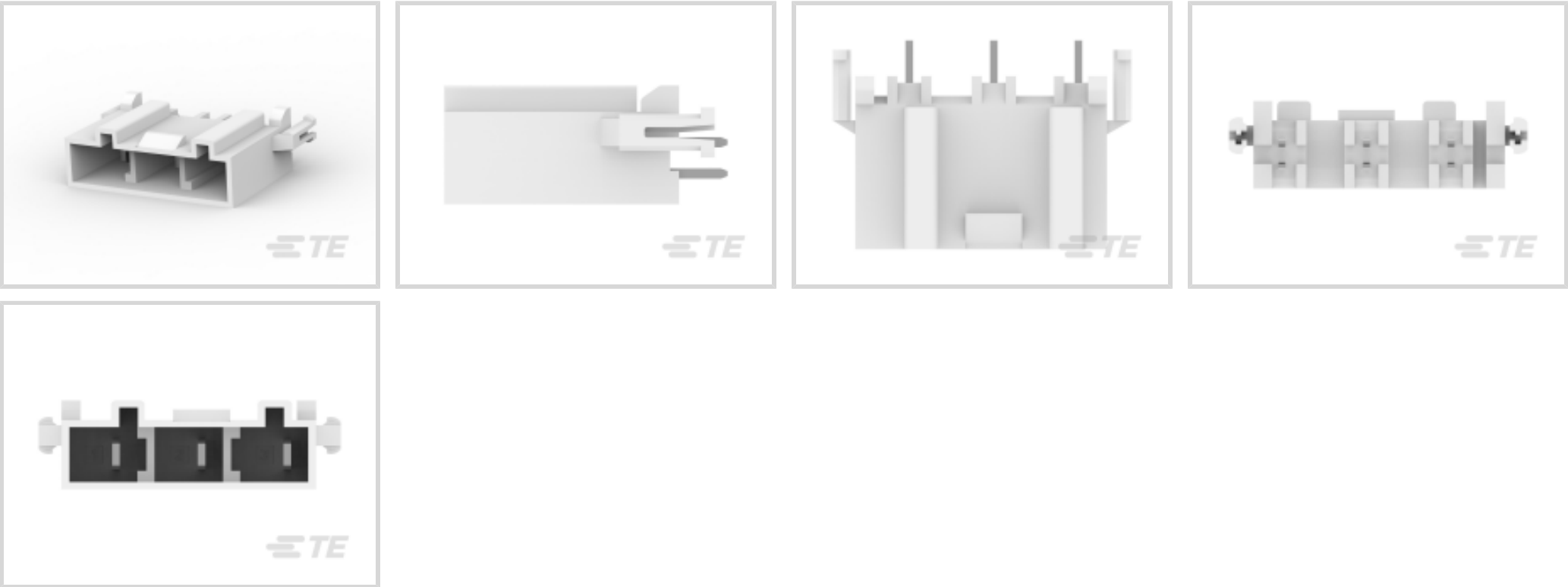


GRACE INERTIA 9.0

TE Internal #: 1903415-1
Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 3 Position, .354 in [9 mm] Centerline, Printed Circuit Board, GRACE INERTIA 9.0

[View on TE.com >](#)

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



Rectangular Power Connector Type: **Header**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board**
Number of Positions: **3**
Centerline (Pitch): **9 mm [.354 in]**

[All Glow Wire GRACE INERTIA Header \(68\)](#)

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1



Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	20 A
Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Mating Area Plating Material Finish	Matte
Contact Termination Area Plating Thickness	1 µm[39.36 µin]

Termination Features

Termination Post & Tail Length	3.8 mm[.149 in]
Termination Method to Wire & Cable	Crimp
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

Housing Features

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



Dimensions

Wire Size	2427 – 7144 CMA
Width	9.3 mm[.366 in]
Mating Post Length	7.9 mm[.311 in]
Height	18.4 mm[.724 in]
Length	26.8 mm[1.05 in]

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
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Method	Bag
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Other

For Use With	Plug Housing
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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 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	Wave solder capable to 265°C

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 # CAT-G7534-P729A

Glow Wire GRACE INERTIA Plug

Also in the Series | GRACE INERTIA 9.0

Rectangular Connector Locking(1)

Rectangular Power Connectors(9)

Customers Also Bought

TE Part #917783-1

2.5 S.D.L POST HDR ASY 5P STD

TE Part #2-1903415-1

GHC 9.0 3POS HDR ASSY BLUE

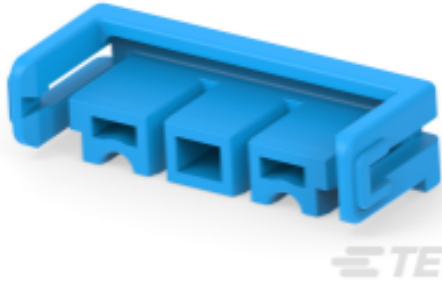
TE Part #917722-1

2.5 SIGNAL D/LOCK HDR ASSY 2P


TE Part #1747996-1

GHC EYELET 12.4 2POS HEADER ASSY NATURAL







TE Part #2-2360442-0
FOAMING PROOF UPPER TPA 2POS
20AWG




TE Part #2-2360442-4
FOAMING PROOF UPPER TPA 2POS
24AWG




TE Part #2-2360443-0
FOAMING PROOF LOWER TPA 2Pos
20AWG



TE Part #2-2360443-4
FOAMING PROOF LOWER TPA 2Pos
24AWG



TE Part #3-1376386-5
5mm B-T-W Conn. 4P(2row) HDR A



TE Part #917732-6
2.5 SIGNAL D/LOCK HDR ASSY 12P

Documents

Product Drawings

GHC 9.0 3POS HDR ASSY

English

CAD Files

Customer View Model

ENG_CVM_CVM_1903415-1_G.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1903415-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1903415-1_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

Engineering Report

English

Product Environmental Compliance

MD_1903415-1_05112018441_dmtec



English

[MD_1903415-1_05112018441_dmtec](#)

English

[Agency Approvals](#)

[UL Report](#)

English