

1-1971032-2 ✓ ACTIVE

Grace Inertia | GRACE INERTIA 2.0

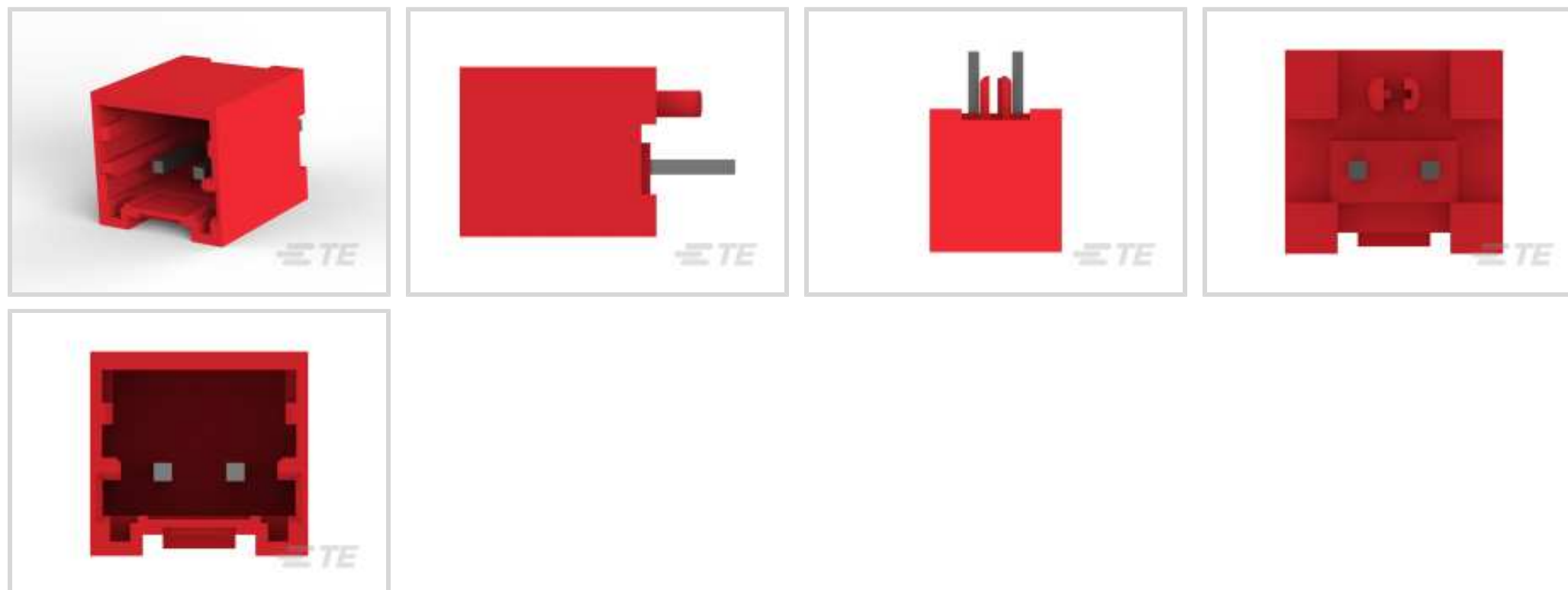
TE Internal #: 1-1971032-2

GRACE INERTIA 2.0, PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2mm [.0787in] Centerline, 1 Row, Tin, Red, Shrouded, Printed Circuit Board

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Centerline (Pitch): **2 mm [.0787 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1

Contact Features

Mating Square Post Dimension	.5 mm[.02 in]
Contact Retention Within Housing	Without
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2 μm[78.74 μin]



Contact Current Rating (Max)	2.2 A
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Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	Without

Housing Features

Centerline (Pitch)	2 mm[.0787 in]
Housing Color	Red

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Signal
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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	Not Yet Reviewed
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: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 260°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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | GRACE INERTIA 2.0



Rectangular Connector Housings(20)



Standard Rectangular Connectors(18)



Wire-to-Board Connector Assemblies & Housings(1)

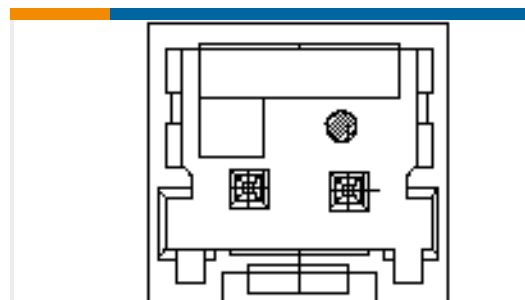


Wire-to-Board Connector Contacts(3)



Wire-to-Board Headers & Receptacles (70)

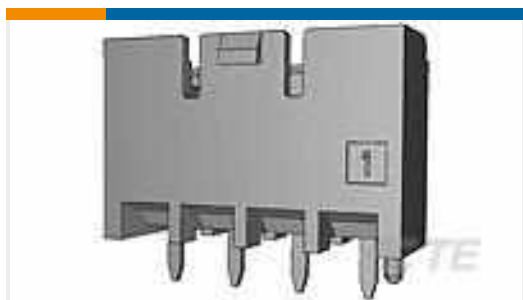
Customers Also Bought



TE Model / Part #1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Model / Part #2-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Model / Part #2-1376384-3
5mm B-T-W Conn. 4P HDR ASSEMBL



TE Model / Part #3-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



Documents

Product Drawings

[2POS HEADER ASSEMBLY FOR GIC 2.0 EV](#)

English

[2POS HEADER ASSEMBLY FOR GIC 2.0 EV](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1971032-2_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1971032-2_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1971032-2_D.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[MD_1-1971032-2_03212019933_dmtec](#)

English

[MD_1-1971032-2_03212019933_dmtec](#)

English