

GRACE INERTIA 2.5

TE Internal #: 1747067-2
PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, GRACE INERTIA 2.5

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **2**
Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	50 VDC
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Dimensions

Connector Width	6.8 mm[.26 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	11.3 mm[.444 in]
Connector Length	7.5 mm[.295 in]

Packaging Features

Packaging Quantity	400
Packaging Method	Bag

Industry Standards

Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0

Mechanical Attachment

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Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Kinked
PCB Mount Alignment Type	Boss
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Length	3 mm[.118 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μm[50 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.3 μm[11.81 μin]
Mating Tab Width	.7 mm[.028 in]
PCB Contact Termination Area Plating Material Thickness	2 μm[78.74 μin]
Contact Layout	Inline
Contact Base Material	Brass
Mating Tab Thickness	.5 mm[.02 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Tab
Contact Current Rating (Max)	3 A

Housing Features

Housing Material	6/6 Nylon GF
Centerline (Pitch)	2.5 mm[.098 in]

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded



Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Body Features

Primary Product Color	Natural
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Usage Conditions

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

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	Wave solder capable to 265°C

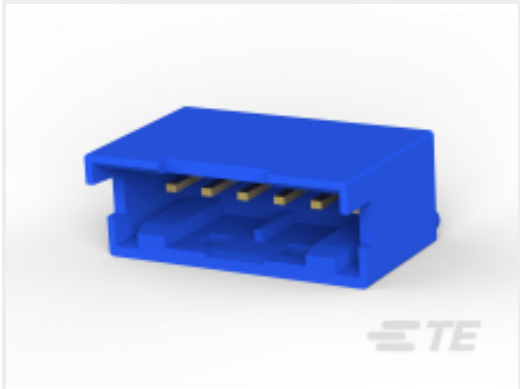
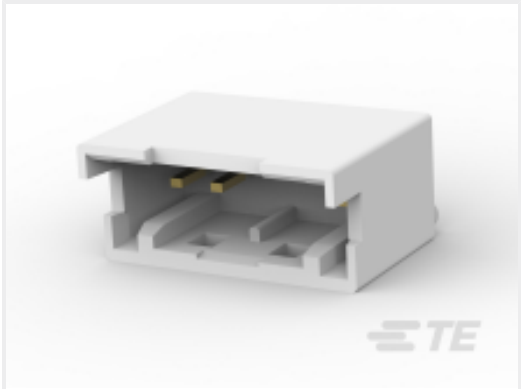
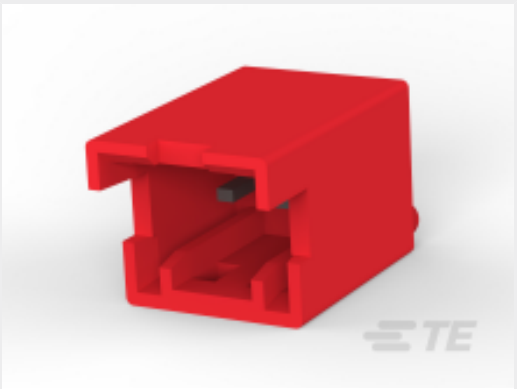
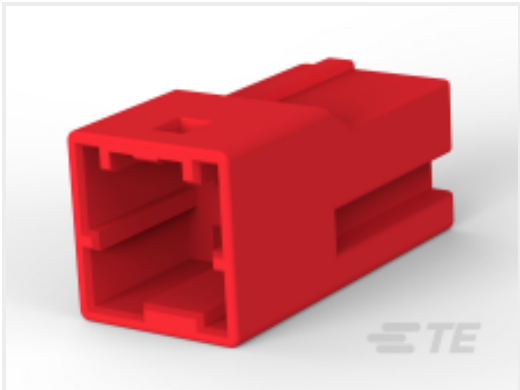
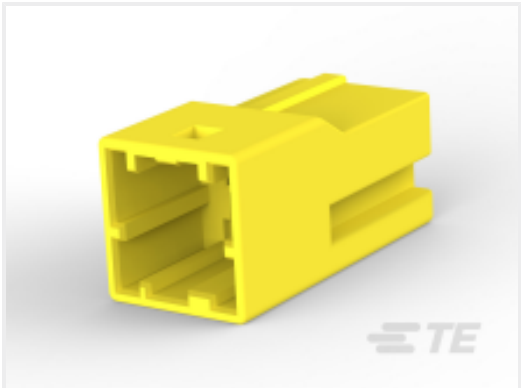
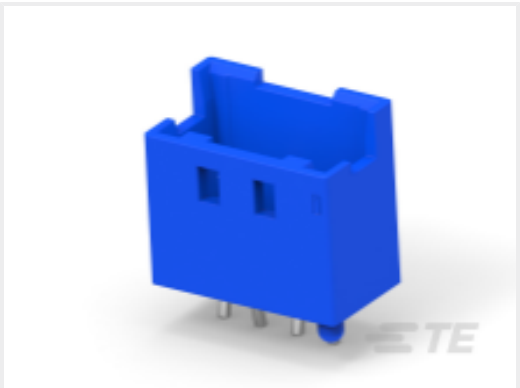
Product Compliance Disclaimer

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 # 2-1747067-6 GRACE INERTIA CONN 2.5 HDR ASSY 6P BLUE	 TE Part # 1827738-1 GIC 2.5 HDR ASSY SPECIAL 3/5P	 TE Part # 1747067-5 GRACE INERTIA CONN 2.5 HDR ASSY 5P NATUR	 TE Part # 1-1871843-2 GIC2.5 HDR ASSY TIN VERSION 2P RED
 TE Part # 1-1903391-2 GIC 2.5 W CAP HSG 2P RED	 TE Part # 1-1747067-6 GRACE INERTIA CONN 2.5 HDR ASSY 6P RED	 TE Part # 1-1747067-2 GRACE INERTIA CONN 2.5 HDR ASSY 2P RED	 TE Part # 1-1871843-3 GIC 2.5 HDR ASSY TIN VERSION 3P RED
 TE Part # 1747509-1 GRACE INERTIA CONN 2.5 HDR ASSY 5/7P NAT	 TE Part # CAT-G7534A-C1701 STD Temp Sig GRACE INERTIA Cap	 TE Part # 2-1747067-4 GRACE INERTIA CONN 2.5 HDR ASSY 4P BLUE	 TE Part # 2069907-1 GRACE INERTIA CONNECTOR 3/6 Pos HDR A
 TE Part # 1903391-1 GIC 2.5 W CAP HSG 2P NATURAL	 TE Part # 5-1747072-2 GRACE INERTIA CONN 2.5 ON TAPE HDR 2P NA		

Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



Power Contacts(2)



Rectangular Connector Housings(49)

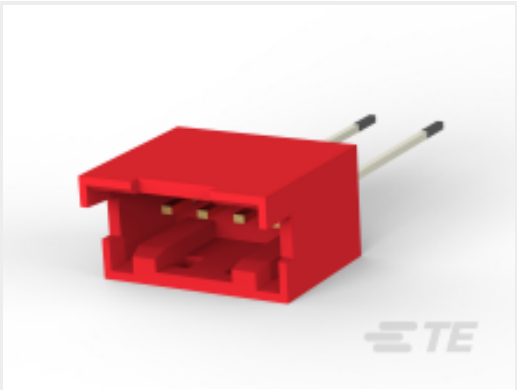


Wire-to-Board Connector Assemblies & Housings(47)

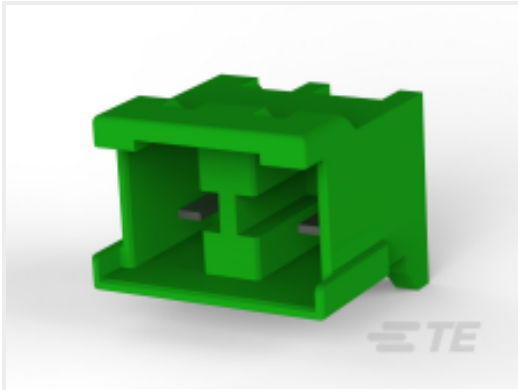


Wire-to-Board Headers & Receptacles (173)

Customers Also Bought



TE Part #6-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P RE



TE Part #1747052-5
GRACE INERTIA CONNECTOR 7.92 2POS HEADER



TE Part #1747050-3
GIC7.92 2POS PLUG HSG.BLUE



TE Part #5-1747511-1
GRACE INERTIA CONN 2.5 ON TAPE HDR 3/5P



TE Part #1827738-1
GIC 2.5 HDR ASSY SPECIAL 3/5P



TE Part #2-1747052-3
GIC 7.92MM CONN HDR ASS'Y 2POS BLUE



TE Part #5-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P NA



TE Part #5-1747072-2
GRACE INERTIA CONN 2.5 ON TAPE HDR 2P NA



TE Part #5-1747072-6
GRACE INERTIA CONN 2.5 ON TAPE HDR 6P NA



TE Part #5-1376500-2
2.5 SMC HDR 2(3)POS WHITE TAPE

Documents



Product Drawings

GRACE INERTIA CONN 2.5 HDR ASSY 2P NATUR

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_1747067-2_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747067-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747067-2_C.3d_stp.zip

English

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Product Specifications

Application Specification

English