



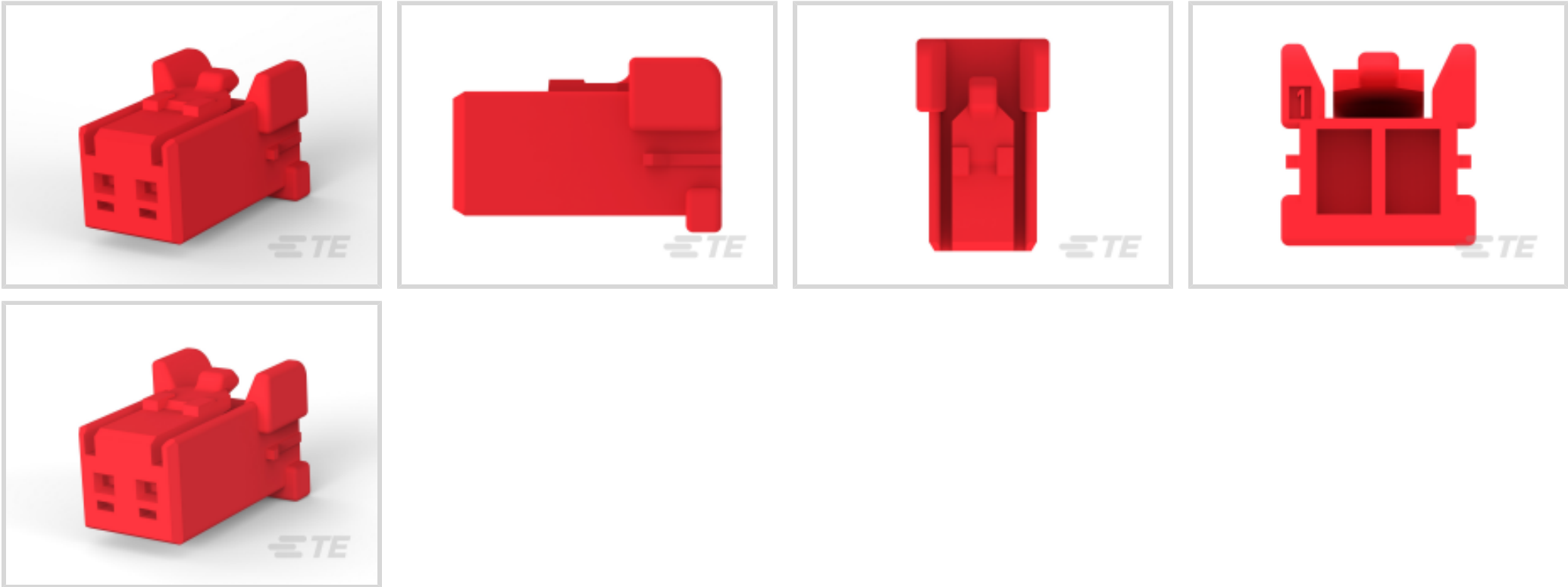
GRACE INERTIA 2.5

TE Internal #: 1-1747066-2

Housing, Plug, Wire-to-Board, 2 Position, 2.5 mm [.098 in]
Centerline, Crimp, 1 Row, Red, Mating Retention, Wire & Cable,
GRACE INERTIA 2.5

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Board**
Number of Positions: **2**
Centerline (Pitch): **2.5 mm [.098 in]**

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	2
Number of Rows	1

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Nylon 6/6 GF
Housing Entry Configuration	Both Ends Open

Termination Features

Termination Method to Wire & Cable	Crimp
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Body Features

Primary Product Color	Red
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Mechanical Attachment

Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Strain Relief	Without
Panel Mount Feature	Without
Mating Retention Type	Latch
PCB Mount Retention	Without

Operation/Application

Circuit Application	Power & Signal
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Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	50 VDC
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Contact Features

Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Type	Tab

Dimensions

Connector Height	7.35 mm[.28 in]
Connector Length	7.1 mm[.279 in]

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Method	Bag
Packaging Quantity	1000



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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

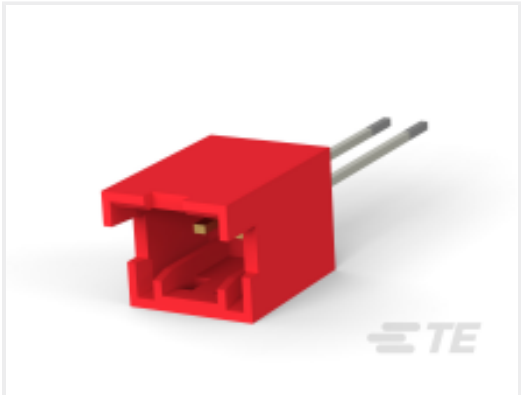
Product Compliance Disclaimer

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



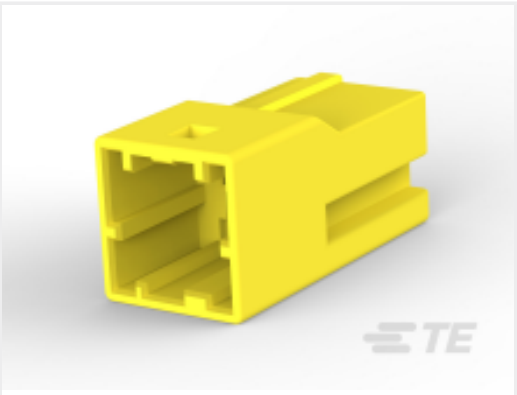
TE Part # 1903391-1
GIC 2.5 W CAP HSG 2P NATURAL



TE Part # 6-1747072-2
GRACE INERTIA CONN 2.5 ON TAPE HDR 2P RE



TE Part # CAT-G7534A-R2435
Sig GRACE INERTIA Receptacle



TE Part # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap



TE Part # 1-1747067-2
GRACE INERTIA CONN 2.5 HDR ASSY 2P RED

TE Part # 1903388-1
GIC 2.5 W PLUG HSG 2P NATURAL

TE Part # 1-1903391-2
GIC 2.5 W CAP HSG 2P RED

TE Part # 1-1903388-2
GIC 2.5 W PLUG HSG 2P RED

TE Part # 1871843-2
GIC 2.5 HDR ASSY TIN VERSION 2P

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

TE Part # 2-2232701-1
NEW GI CONN2.5 PLUG HSG 2P NC

Also in the Series | GRACE INERTIA 2.5

Connector Contacts(6)

Connector Hardware(7)

PCB Headers & Receptacles(173)

Rectangular Connector Housings(49)

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

Customers Also Bought

TE Part #172130-1
FF 250 REC HSG 2P NYLON NAT

TE Part #172383-1
FF 250 REC HSG 2P NYLON NAT P/M

TE Part #172343-1
MINI UNIVERSAL M-N-L HOUSING

TE Part #170359-1
UNIV M-N-L PIN 26-22 AWG



Documents

Product Drawings

GRACE INERTIA CONN 2.5 PLUG HSG 2P RED

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1747066-2_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1747066-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1747066-2_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English