



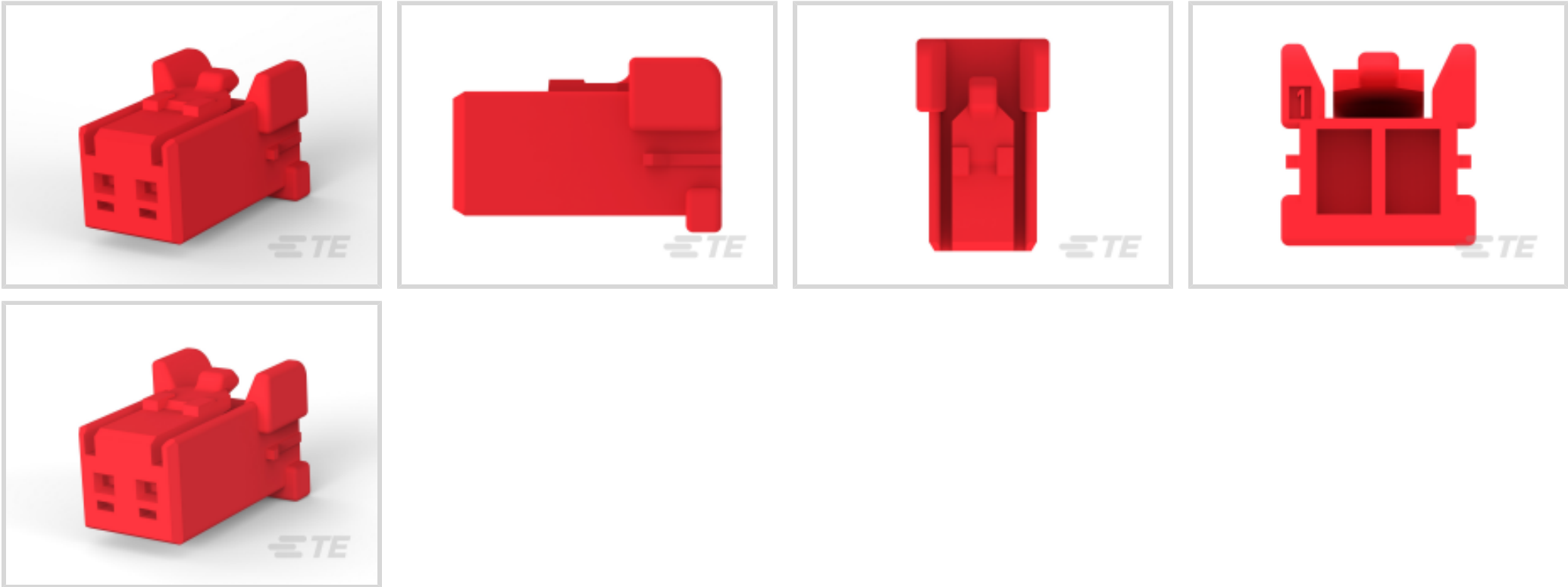
GRACE INERTIA 2.5

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

Electrical Characteristics

Operating Voltage	50 VAC
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Body Features

Primary Product Color	Red
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Contact Features

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Contact Layout	Inline
Contact Type	Tab
Contact Base Material	Copper Alloy

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
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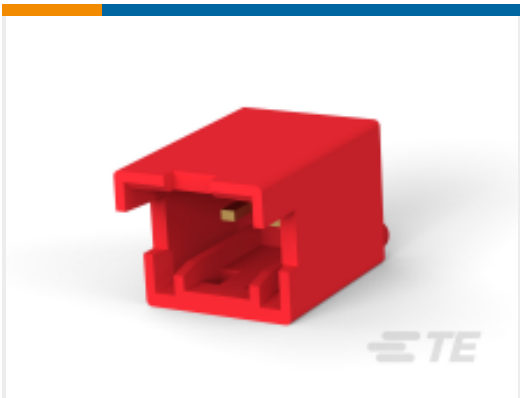
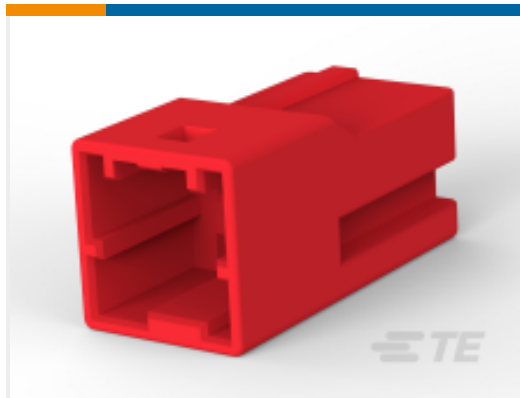


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	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 HDR 2P NA

Also in the Series | GRACE INERTIA 2.5

Connector Contacts(6)

Connector Hardware(7)

PCB Headers & Receptacles(138)

Rectangular Connector Housings(49)

Rectangular Power Connectors(35)

Wire-to-Board Connector Assemblies & Housings(46)

Customers Also Bought

TE Part #179228-2
CT CRIMP TYPE REC HSG

TE Part #917683-1
2.5 SIGNAL DBL LOCK REC CONT L

TE Part #171822-4
EIS REC. HSG 4P-NATURAL

TE Part #175151-2
AMP UNIVE. POWER CONN REC CONT

TE Part #172486-2
2P REC HSG CRIMP EI SER

TE Part #1376477-2
2.5MM PITCH SIGNAL MATE CONN

TE Part #4-1565085-4
GIC 3.5W 2P CAP H



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