

1903388-1 ✓ ACTIVE



GRACE INERTIA 2.5

TE Internal #: 1903388-1

Housing, Plug, Wire-to-Wire, 2 Position, .098 in [2.5 mm] Centerline, Crimp, 1 Row, Natural, 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-Wire**

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-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Connector & Keying Code	A
Primary Product Color	Natural



Contact Features

Contact Layout	Inline
Contact Type	Pin
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 Closed
Housing Material	PBT GF
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Length	8.7 mm[.342 in]
Connector Height	9.6 mm[.377 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
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

Product Compliance




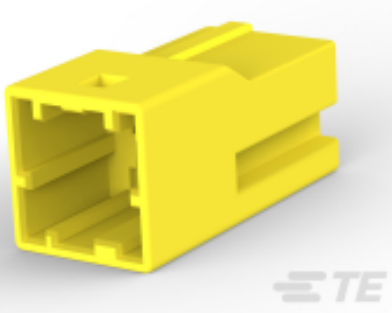

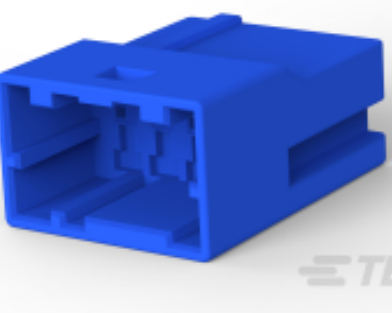
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

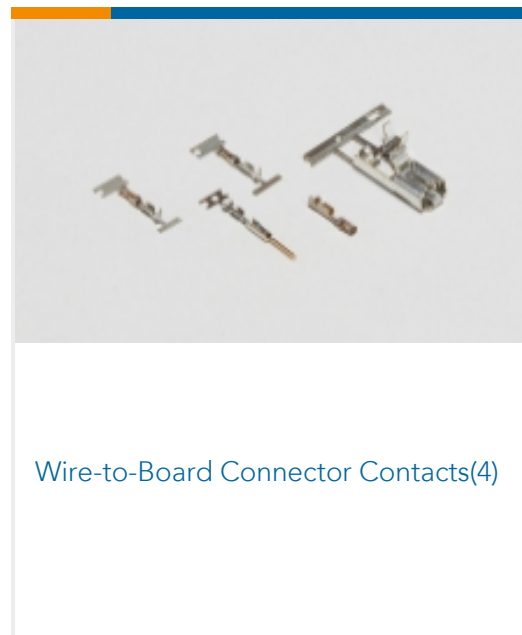
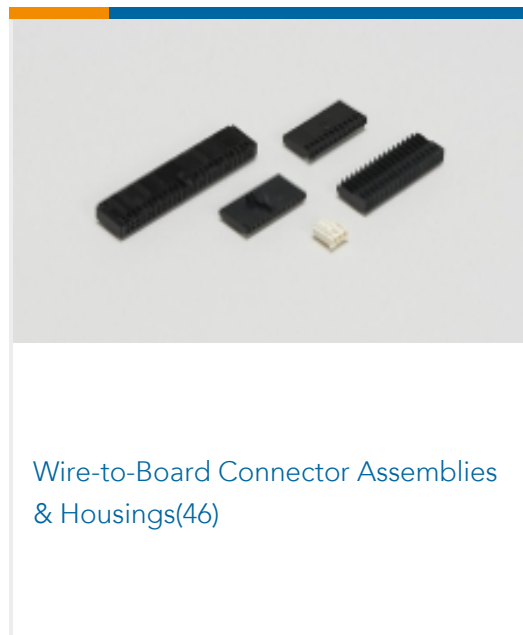
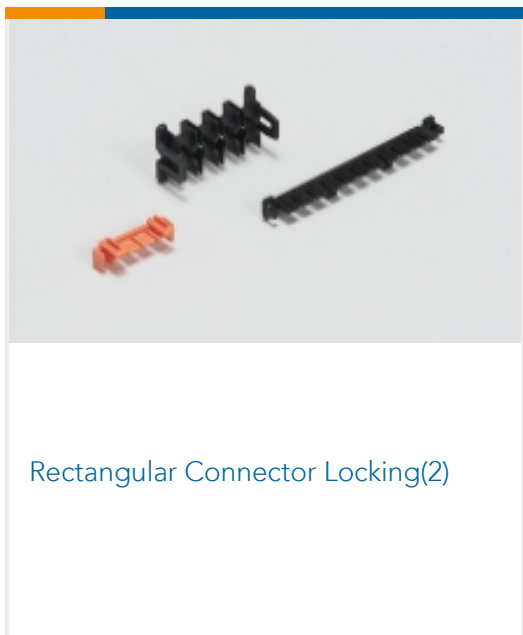
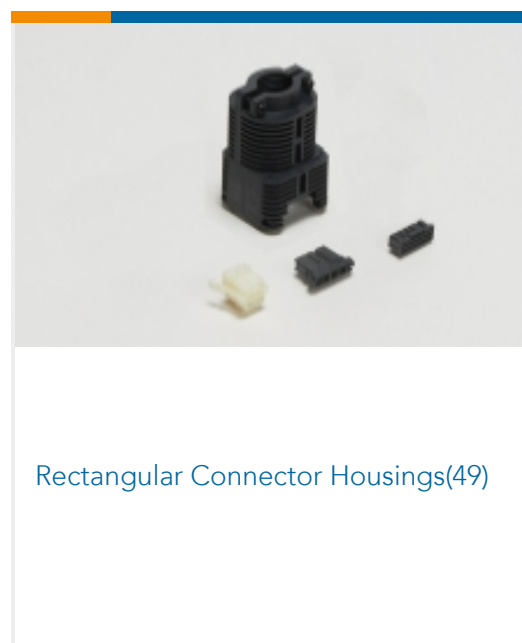
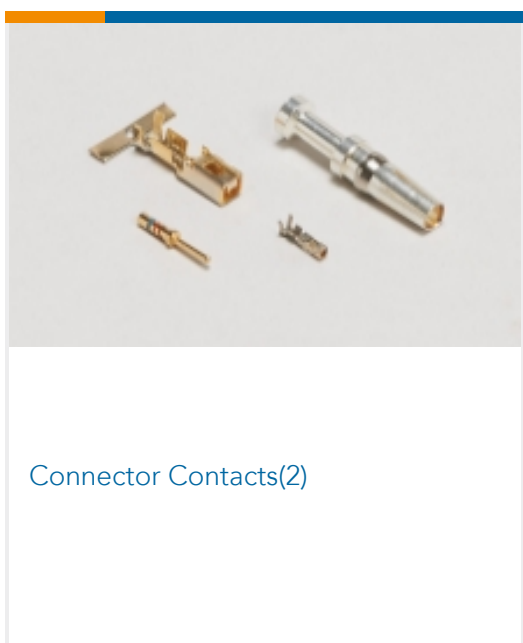
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

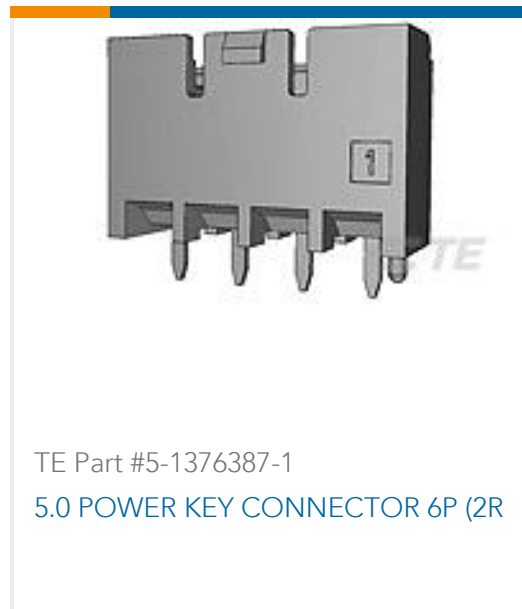
 <p>TE Part # 1747066-2 GRACE INERTIA CONN 2.5 PLUG HSG 2P NATUR</p>	 <p>TE Part # 1-1747066-2 GRACE INERTIA CONN 2.5 PLUG HSG 2P RED</p>	 <p>TE Part # CAT-G7534A-C1701 STD Temp Sig GRACE INERTIA Cap</p>	 <p>TE Part # 1903392-1 GIC 2.5 W CAP HSG 3P NATURAL</p>
 <p>TE Part # 1903390-1 GIC 2.5 W PLUG HSG 4P NATURAL</p>	 <p>TE Part # 1903389-1 GIC 2.5 W PLUG HSG 3P NATURAL</p>	 <p>TE Part # 1903391-1 GIC 2.5 W CAP HSG 2P NATURAL</p>	 <p>TE Part # 2-1903393-3 GIC 2.5 W CAP HSG 4P BLUE</p>



Also in the Series | GRACE INERTIA 2.5



Customers Also Bought



Documents

Product Drawings

GIC 2.5 W PLUG HSG 2P NATURAL

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1903388-1_F_c-1903388-1-f.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903388-1_F_c-1903388-1-f.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903388-1_F_c-1903388-1-f.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

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Natural, Mating Retention, Wire & Cable, GRACE INERTIA 2.5

