

1903391-1 ✓ ACTIVE



GRACE INERTIA 2.5

TE Internal #: 1903391-1

Housing, Receptacle, Wire-to-Wire, 2 Position, .098 in [2.5 mm]

Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable,

GRACE INERTIA 2.5

[View on TE.com >](#)

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



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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	Receptacle
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	Socket
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	PBT GF
Centerline (Pitch)	2.5 mm [.098 in]

Dimensions

Connector Length	8.7 mm [.342 in]
Connector Height	8.8 mm [.346 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	500
Packaging Method	Bag

Other

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Discrete Wire Connector Comment Other options available upon request, consult our Product Information Center.

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

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

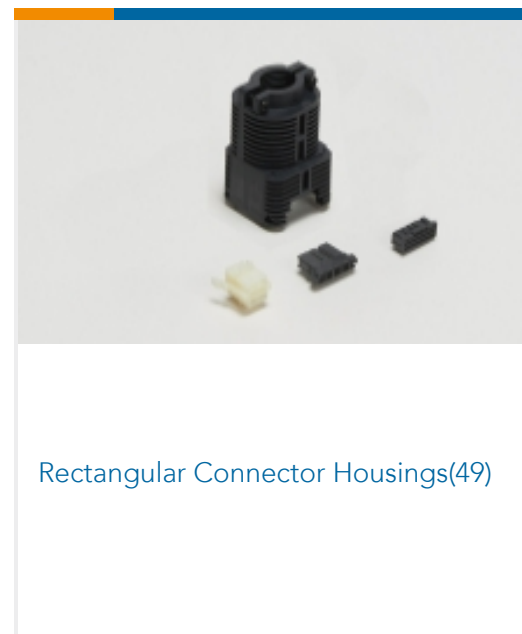
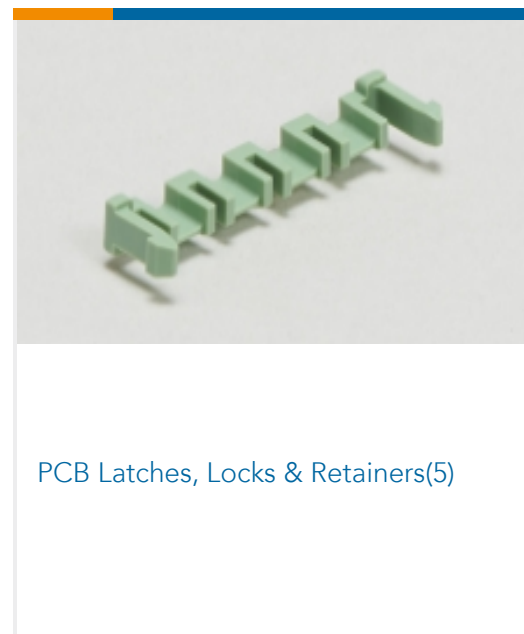
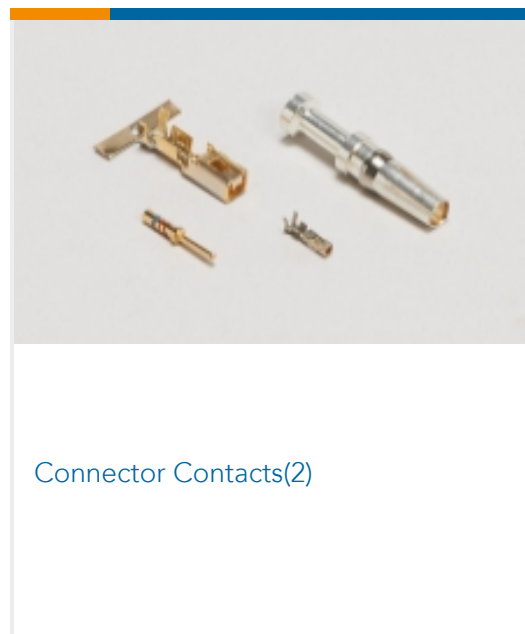
TE Part # CAT-G7534A-H342A
Glow Wire Sig GRACE INERTIA Header

TE Part # CAT-G7534A-P729
STD Temp Sig GRACE INERTIA Plug

TE Part # CAT-G7534A-P729A
Glow Wire Sig GRACE INERTIA Plug



Also in the Series | GRACE INERTIA 2.5





Rectangular Connector Locking(2)



Rectangular Power Connectors(35)



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



Wire-to-Board Connector Contacts(4)

Customers Also Bought



TE Part #1-1376389-2
STD Temp Power Key Plug



TE Part #917764-1
Signal Double Lock Tab



TE Part #917699-1
Signal Double Lock TPA



TE Part #2295225-1
THERMOCOUPLE CONN K-TYPE 2P.
GROMMET



TE Part #2295205-1
THERMOCOUPLE CONNECTOR.
STRAIN RELIEF.



TE Part #3-1903392-4
GIC 2.5 W CAP HSG 3P YELLOW



TE Part #1-172128-1
FF 250 PLUG HSG 1P NYLON NAT

Documents

Product Drawings

[GIC 2.5 W CAP HSG 2P NATURAL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1903391-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903391-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903391-1_F.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English