

1747066-6 ✓ ACTIVE

## GRACE INERTIA 2.5

TE Internal #: 1747066-6

Housing, Plug, Wire-to-Board, 6 Position, 2.5 mm [.098 in]

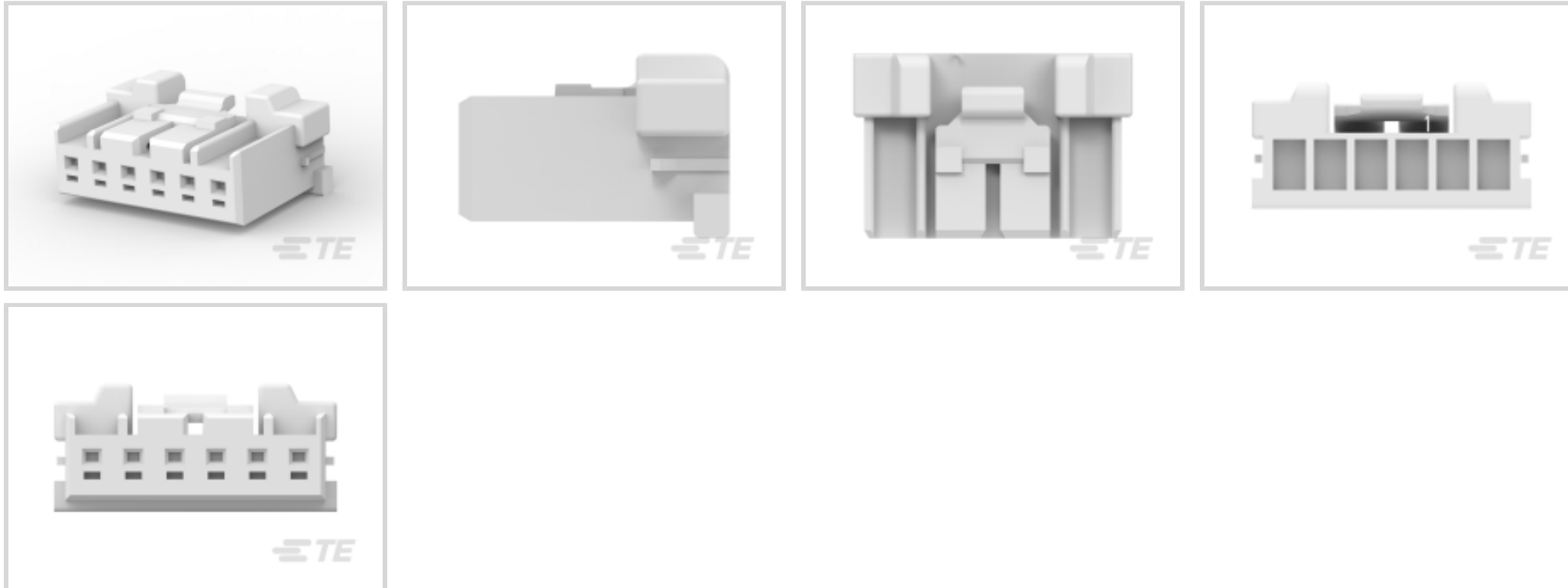
Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable,

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: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **6**

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	6
Number of Rows	1

#### Electrical Characteristics

Operating Voltage	50 VAC
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#### 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 Open
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	2.5 mm [.098 in]
Housing Color	Natural

### Dimensions

Connector Length	17.1 mm [.672 in]
Connector Height	7.7 mm [.303 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	400
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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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 # 6-1747072-6  
GRACE INERTIA CONN 2.5 ON TAPE HDR 6P RE

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

TE Part # 1-1747067-6  
GRACE INERTIA CONN 2.5 HDR ASSY 6P RED


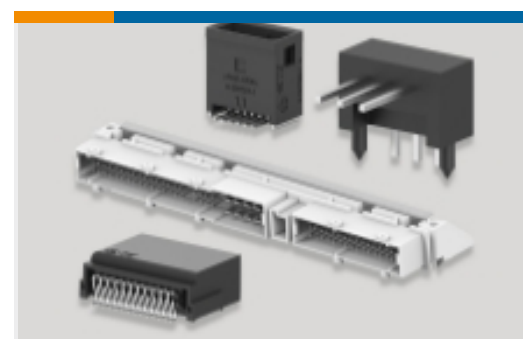
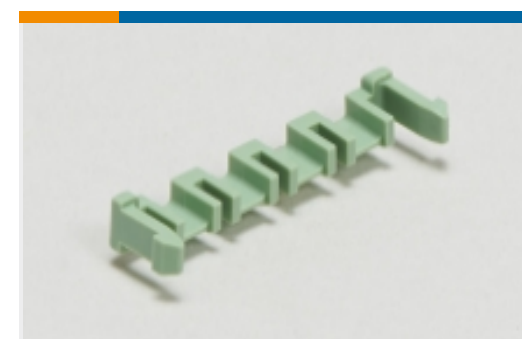



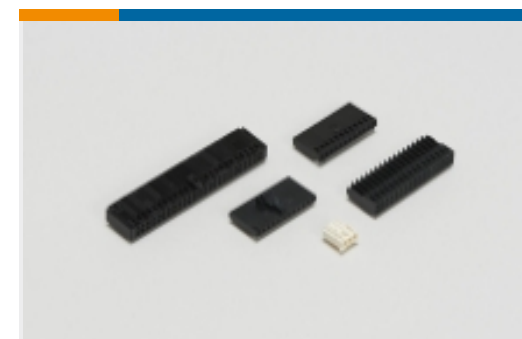

TE Part # 1747067-6  
GRACE INERTIA CONN 2.5 HDR ASSY 6P NATUR

TE Part # 7-1747072-6  
GRACE INERTIA CONN 2.5 ON TAPE HDR 6P BL

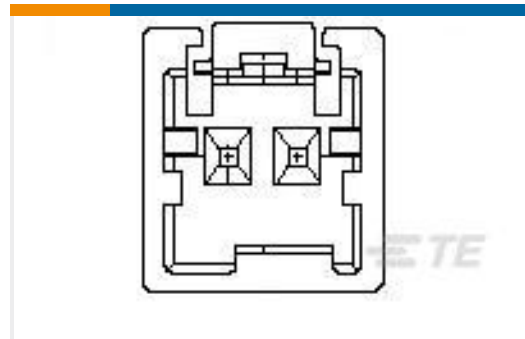
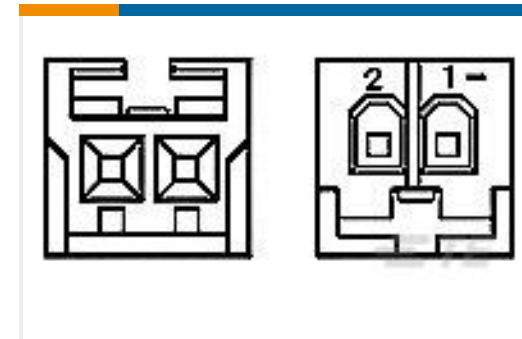
TE Part # 5-1747072-6  
GRACE INERTIA CONN 2.5 ON TAPE HDR 6P NA

TE Part # 1871843-6  
GIC 2.5 HDR ASSY TIN VERSION 6P

### Also in the Series | GRACE INERTIA 2.5

 Connector Contacts(2)	 PCB Headers & Receptacles(138)	 PCB Latches, Locks & Retainers(5)	 Rectangular Connector Housings(49)
 Rectangular Connector Locking(2)	 Rectangular Power Connectors(35)	 Wire-to-Board Connector Assemblies & Housings(71)	 Wire-to-Board Connector Contacts(5)

### Customers Also Bought

 TE Part #172383-1 FF 250 REC HSG 2P NYLON NAT P/M	 TE Part #1-1971030-2 2POS Plug Housing for GIC 2.0 EV	 TE Part #1376476-1 2.5 SIGNAL MATE REC CONTACT	 TE Part #1-1376477-2 2.5MM PITCH SIGNAL MATE CONN
 TE Part #1903388-1 GIC 2.5 W PLUG HSG 2P NATURAL	 TE Part #170349-1 FF 250 TAB 22-20AWG BR WITHOUT LATCH	 TE Part #172486-3 3P REC HSG CRIMP EI SER	

### Documents

#### Product Drawings

[GRACE INERTIA CONN 2.5 PLUG HSG 6P NATUR](#)

English

#### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1747066-6\\_E1.2d\\_dxf.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1747066-6\\_E1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1747066-6\\_E1.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[MD\\_1747066-6\\_061120152220\\_dmtec](#)

English

[MD\\_1747066-6\\_061120152220\\_dmtec](#)

English