

# GRACE INERTIA CONN 2.5 ON TAPE HDR

4P RE  ACTIVE

[Grace Inertia](#) | [Grace Inertia 2.5](#)

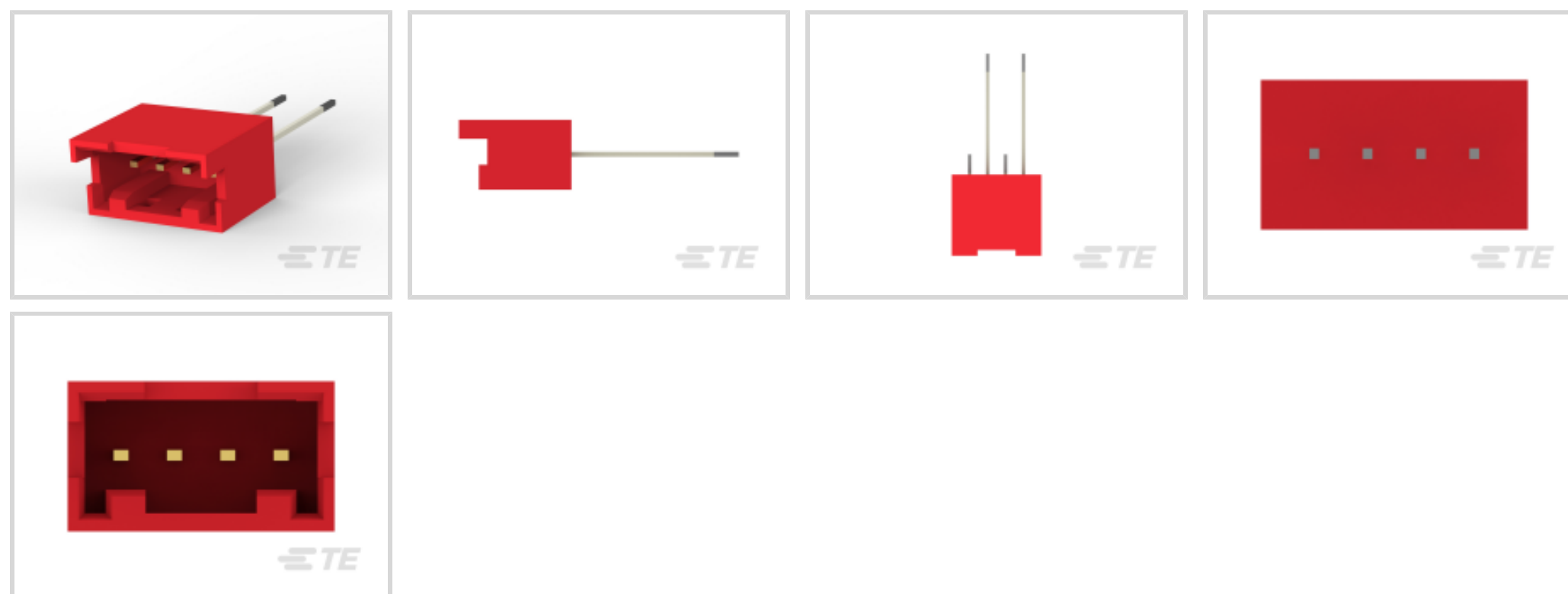
TE Part # 6-1747072-4

TE Internal #: 6-1747072-4

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Centerline (Pitch): **2.5 mm [ .098 in ]**

## Features

### Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	1

### Contact Features

Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.3 $\mu\text{m}$ [11.81 $\mu\text{in}$ ]
Contact Current Rating (Max)	3 A

### Termination Features



Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole

### Mechanical Attachment

PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	Without

### Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Red

### Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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## 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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

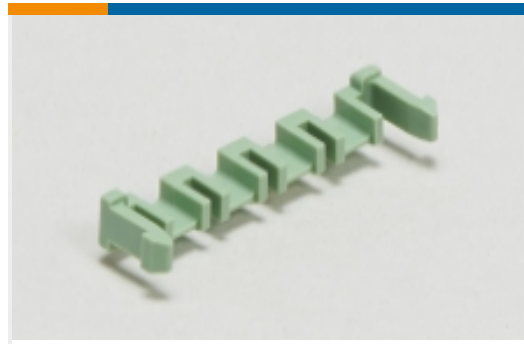
#### Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Also in the Series | Grace Inertia 2.5



Connector Contacts(2)



PCB Latches, Locks & Retainers(5)



Rectangular Connector Housings(49)



Rectangular Connector Locking(2)



Rectangular Power Connectors(36)



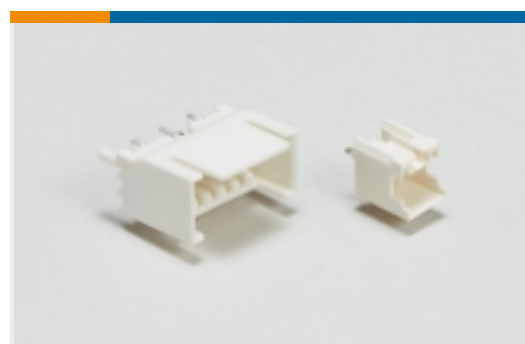
Standard Rectangular Connectors(1)



Wire-to-Board Connector Contacts(4)

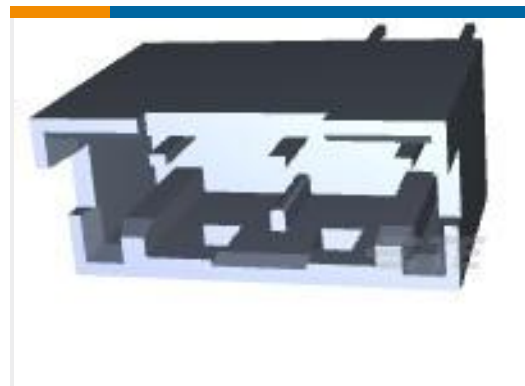


Wire-to-Board Connector Housings(65)

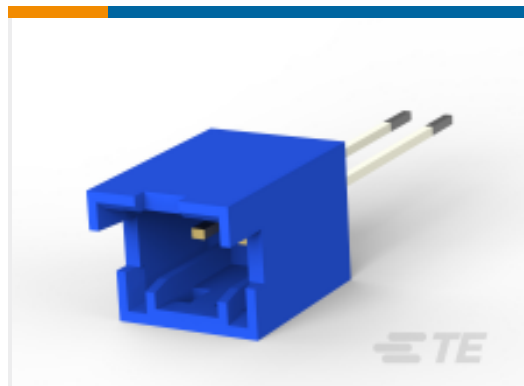


Wire-to-Board Headers & Receptacles(90)

## Customers Also Bought



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2.5 ON TAPE HDR 3/5P



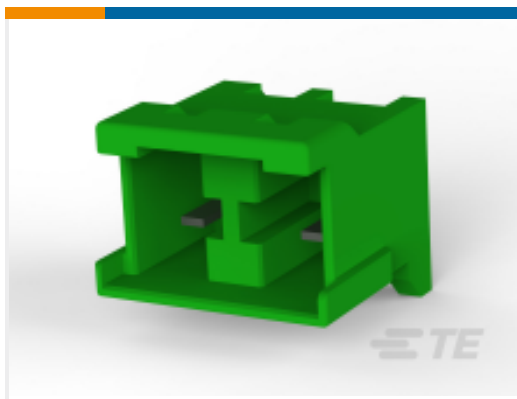
TE Part #7-1747072-2  
GRACE INERTIA CONN  
2.5 ON TAPE HDR 2P BL



TE Part #1827738-1  
GIC 2.5 HDR ASSY  
SPECIAL 3/5P



TE Part #176276-4  
AMP UNIVERSAL POWER  
PLUG 9P



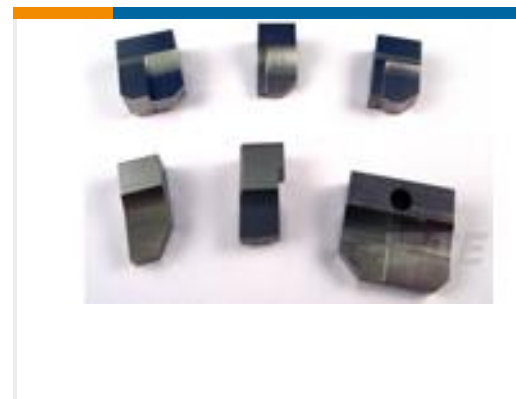
TE Part #1747052-5

GRACE INERTIA  
CONNECTOR 7.92 2POS



TE Part #2-1747066-6

GRACE INERTIA CONN  
2.5 PLUG HSG 6P BLUE



TE Part #1333214-3

ANVIL, E/FEED (.062)



TE Part #176287-4

AMP UNIVERSAL POWER  
CAP 9P



TE Part #170037-6

FASTON 187 16-20AWG  
TPBR



TE Part #90464-2

CRIMPER, WIRE .052 "F"

## Documents

### Product Drawings

GRACE INERTIA CONN 2.5 ON TAPE HDR 4P RE

Japanese

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_6-1747072-4\\_G.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6-1747072-4\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-1747072-4\\_G.3d\\_stp.zip](#)

English

### Product Specifications

GRACE INERTIA CONNECTOR 2.5

Japanese

[Product Specification](#)

Japanese

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