

6-1747072-2 ✓ ACTIVE

## GRACE INERTIA 2.5

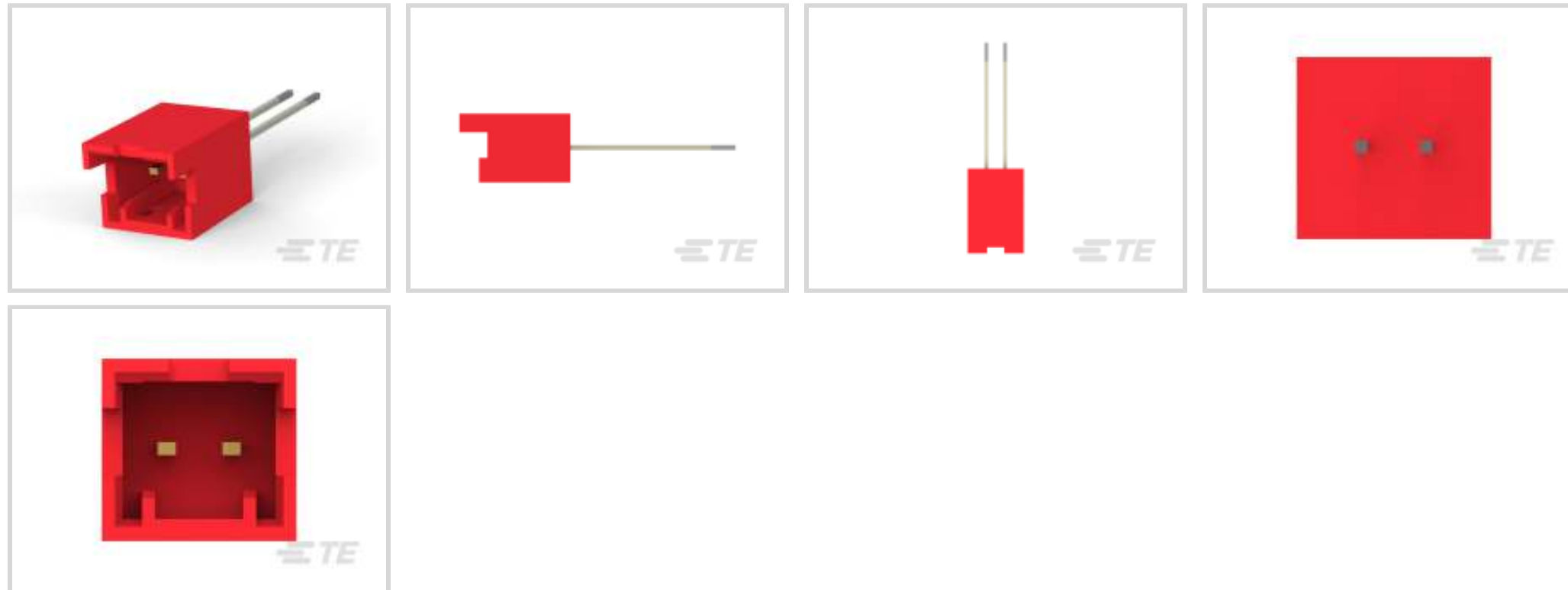
TE Internal #: 6-1747072-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, GRACE INERTIA 2.5

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **2**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

### Features

#### Product Type Features

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

#### Configuration Features

Number of Positions	2
Number of Rows	1
PCB Mount Orientation	Vertical

#### Electrical Characteristics

Operating Voltage	50 VAC
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#### Body Features

Primary Product Color	Red
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### Contact Features

PCB Contact Termination Area Plating Material Thickness	2 $\mu\text{m}$ [78.74 $\mu\text{in}$ ]
Contact Layout	Inline
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Underplating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Contact Mating Area Plating Material Thickness	.3 $\mu\text{m}$ [11.81 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Type	Tab
Contact Current Rating (Max)	3 A

### Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	2.8 mm, 16.8 mm[.11 in][.661 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

### Housing Features

Housing Material	Nylon
Centerline (Pitch)	2.5 mm[.098 in]

### Dimensions

Connector Length	7.5 mm[.296 in]
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Connector Height	11.3 mm[.444 in]
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Connector Width	7 mm[.27 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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### Usage Conditions

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

Circuit Application	Signal
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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	900
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Packaging Type	Tape
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### 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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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#### 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 # 5-1747072-3  
GRACE INERTIA CONN 2.5 ON TAPE HDR 3P NA



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



TE Part # 6-1747072-4  
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P RE



TE Part # 1747066-2  
GRACE INERTIA CONN 2.5 PLUG HSG 2P NATUR



TE Part # 1-1747066-2  
GRACE INERTIA CONN 2.5 PLUG HSG 2P RED



TE Part # CAT-G7534A-C1701  
STD Temp Sig GRACE INERTIA Cap

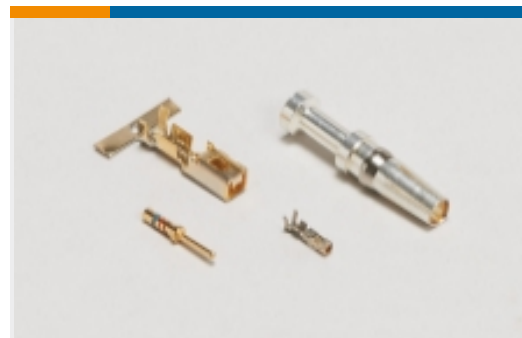


TE Part # 1903391-1  
GIC 2.5 W CAP HSG 2P NATURAL

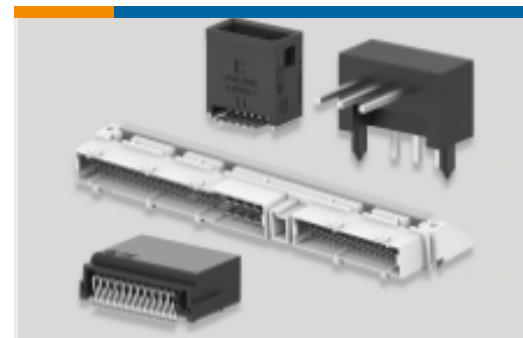


TE Part # 1-1903391-2  
GIC 2.5 W CAP HSG 2P RED

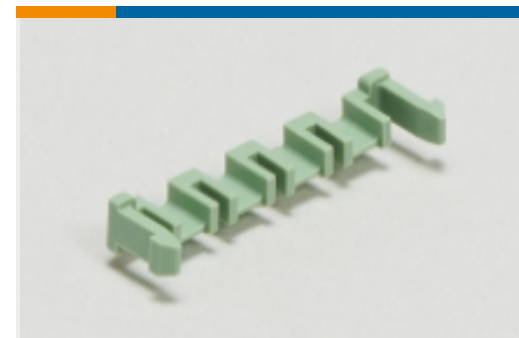
## Also in the Series | GRACE INERTIA 2.5



Connector Contacts(2)



PCB Headers & Receptacles(138)



PCB Latches, Locks & Retainers(5)



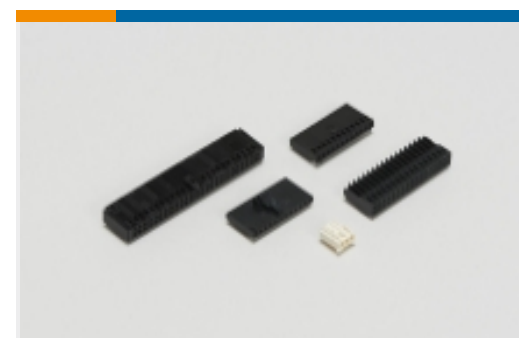
Rectangular Connector Housings(49)



Rectangular Connector Locking(2)



Rectangular Power Connectors(35)



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



Wire-to-Board Connector Contacts(4)

## Customers Also Bought





TE Part #179848-1  
STD Temp Power Double Lock Header



TE Part #1-292207-0  
MINI CT SGL DIP V 10P NAT



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



TE Part #5-1747072-3  
GRACE INERTIA CONN 2.5 ON TAPE  
HDR 3P NA



TE Part #7-1747072-4  
GRACE INERTIA CONN 2.5 ON TAPE  
HDR 4P BL



TE Part #1747052-5  
GRACE INERTIA CONNECTOR 7.92  
2POS HEADER



TE Part #5-1747072-4  
GRACE INERTIA CONN 2.5 ON TAPE  
HDR 4P NA



TE Part #5-1376492-2  
2.5 SMC HDR 2P WHITE TAPE

## Documents

### Product Drawings

[GRACE INERTIA CONN 2.5 ON TAPE HDR 2P RE](#)

Japanese

### CAD Files

Customer View Model

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

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6-1747072-2\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-1747072-2\\_G.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

[Application Specification](#)

Japanese

### Product Environmental Compliance

[MD\\_6-1747072-2\\_02102014013\\_dmtec](#)

English

[MD\\_6-1747072-2\\_02102014013\\_dmtec](#)

English

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