



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	50 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Mating Area Plating Material Thickness	.3 μm[11.81 μin]
Mating Tab Width	.7 mm[.028 in]
PCB Contact Termination Area Plating Material Thickness	.8 μm[31.49 μin]
Contact Layout	Inline
Contact Base Material	Brass
Mating Tab Thickness	.5 mm[.02 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Tab
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3 mm[.118 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

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PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	11.3 mm[.445 in]
Connector Length	12.5 mm[.492 in]

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
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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




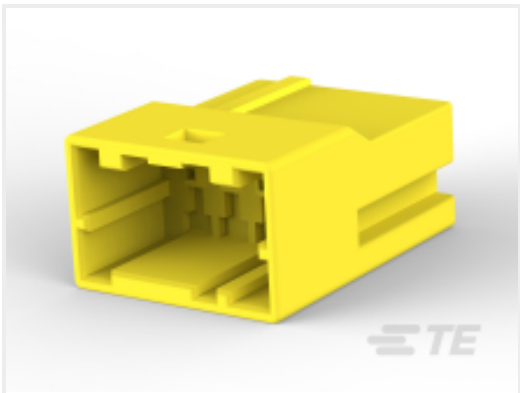
Product Compliance Disclaimer

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


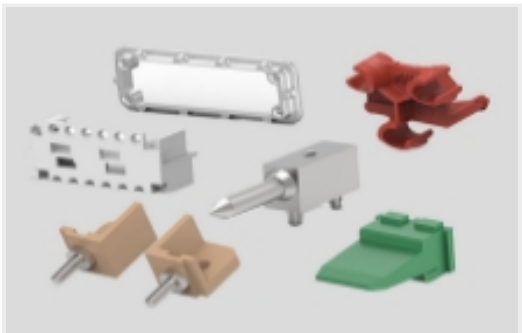
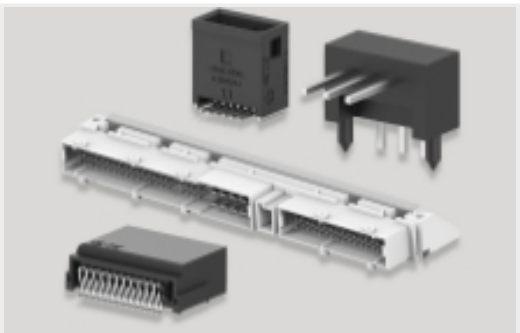



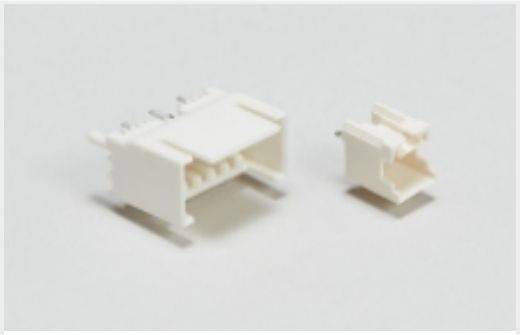


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

 <p>TE Part # 1747066-4 GRACE INERTIA CONN 2.5 PLUG HSG 4P NATUR</p>	 <p>TE Part # 1747509-1 GRACE INERTIA CONN 2.5 HDR ASSY 5/7P NAT</p>	 <p>TE Part # 1827738-1 GIC 2.5 HDR ASSY SPECIAL 3/5P</p>	 <p>TE Part # 1903393-1 GIC 2.5 W CAP HSG 4P NATURAL</p>
 <p>TE Part # 3-1903393-4 GIC 2.5 W CAP HSG 4P YELLOW</p>	 <p>TE Part # 1747508-1 GRACE INERTIA CONN 2.5 HDR ASSY 2/3P NAT</p>	 <p>TE Part # 1-1903393-2 GIC 2.5 W CAP HSG 4P RED</p>	

Also in the Series | GRACE INERTIA 2.5

 <p>Connector Contacts(6)</p>	 <p>Connector Hardware(7)</p>	 <p>PCB Headers &amp; Receptacles(173)</p>	 <p>Power Contacts(2)</p>
 <p>Rectangular Power Connectors(20)</p>	 <p>Wire-to-Board Connector Assemblies &amp; Housings(27)</p>	 <p>Wire-to-Board Headers &amp; Receptacles (173)</p>	

Customers Also Bought



Documents

Product Drawings

GRACE INERTIA CONN 2.5 HDR ASSY 4P NAT

Japanese

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1747067-4\_C.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1747067-4\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1747067-4\_C.3d\_stp.zip

English

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Product Specifications

Application Specification

English