

6-1971798-5 ✓ ACTIVE

GRACE INERTIA | GRACE INERTIA 2.5

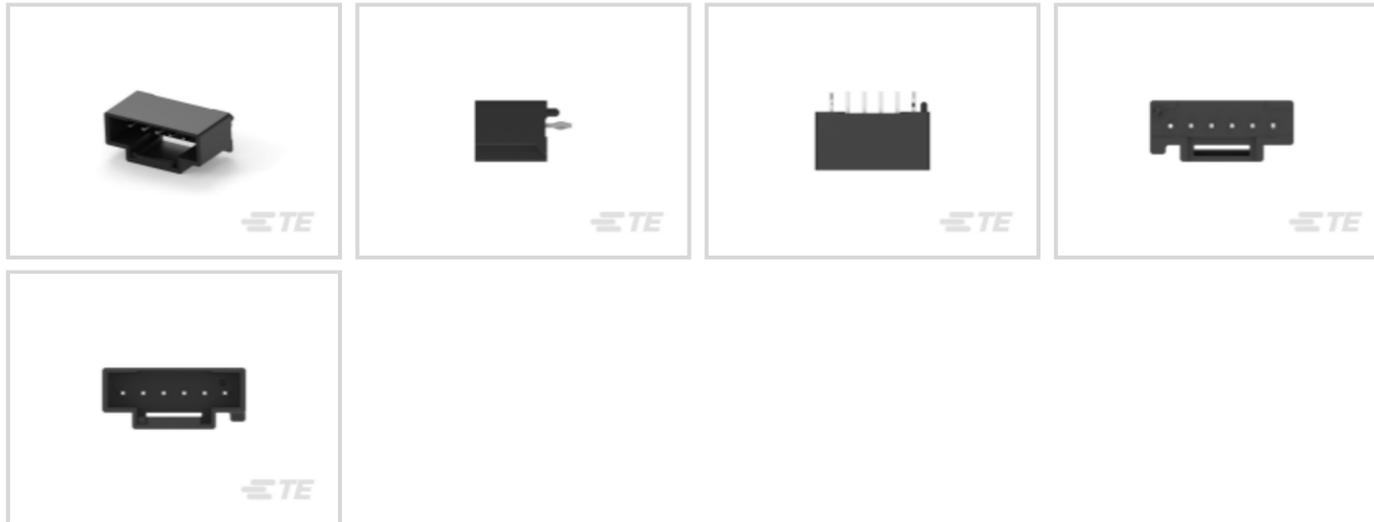
TE Internal #: 6-1971798-5

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, GRACE INERTIA 2.5

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

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

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Body Features

Primary Product Color	Black
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Contact Features

Mating Square Post Dimension	.5 mm[.02 in]
Contact Mating Area Plating Material	Tin (Sn)



Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[40 µin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Width	.46 mm[.018 in]
Rectangular Termination Post & Tail Thickness	.46 mm[.018 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Keyed, Polarization
Mating Retention Type	Locking
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

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

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box
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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
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 reviewed 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 # 4-1971800-2 NEW GI CONN2.5 HDR ASMBLY 4P BLU D1.5</p>	 <p>TE Part # 4-1971798-5 NEW GI CONN2.5 HDR ASMBLY 4P BLK D1.0</p>	 <p>TE Part # 4-1971800-4 NEW GI CONN2.5 HDR ASMBLY 4P YLW D1.5</p>	 <p>TE Part # 3-1971798-5 NEW GI CONN2.5 HDR ASMBLY 3P BLK D1.0</p>
 <p>TE Part # 8-1971798-5 NEW GI CONN2.5 HDR ASMBLY 8P BLK D1.0</p>	 <p>TE Part # 7-1971798-3 NEW GI CONN2.5 HDR ASMBLY 7P RED D1.0</p>	 <p>TE Part # 7-1971798-2 NEW GI CONN2.5 HDR ASMBLY 7P BLU D1.0</p>	 <p>TE Part # 7-1971798-5 NEW GI CONN2.5 HDR ASMBLY 7P BLK D1.0</p>




TE Part # 2-1971798-5
NEW GI CONN2.5 HDR ASMBLY 2P
BLK D1.0



TE Part # 4-1971800-1
NEW GI CONN2.5 HDR ASMBLY 4P
NC D1.5



TE Part # 4-1971800-3
NEW GI CONN2.5 HDR ASMBLY 4P
RED D1.5

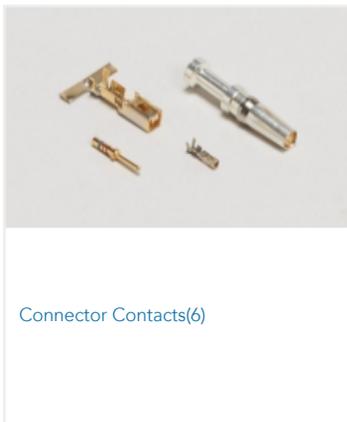


TE Part # 7-1971800-1
NEW GI CONN2.5 HDR ASMBLY 7P
NC D1.5

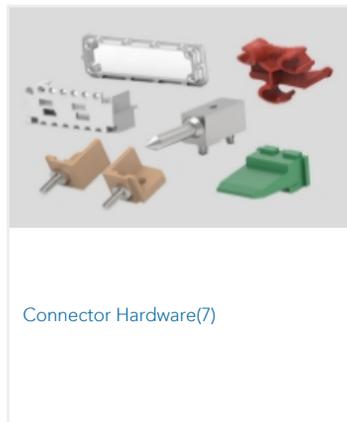


TE Part # 7-1971800-2
NEW GI CONN2.5 HDR ASMBLY 7P
BLU D1.5

Also in the Series | GRACE INERTIA 2.5



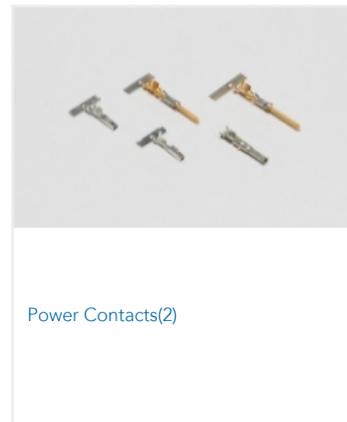
Connector Contacts(6)



Connector Hardware(7)



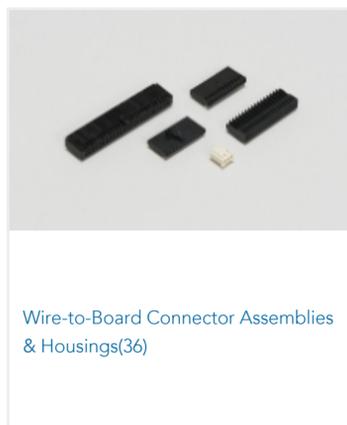
PCB Headers & Receptacles(173)



Power Contacts(2)



Rectangular Power Connectors(44)



Wire-to-Board Connector Assemblies
& Housings(36)



Wire-to-Board Headers & Receptacles
(173)

Customers Also Bought



TE Part #1-640389-4
14P MTA156 HDR ASSY SQ R/A F/L



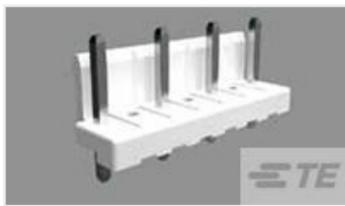
TE Part #3-647050-3
03P MTA100 HDR ASSY F/L HITEMP



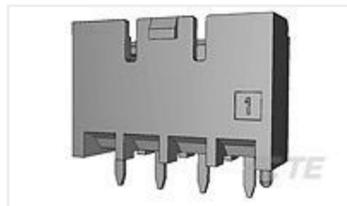
TE Part #1-1123723-7
3.96 EP HDR ASSY 7P(NATURAL)



TE Part #5-1123724-4
3.96EP HDR ASSY 4(7)P BLACK



TE Part #6-1123724-4
3.96EP HDR ASSY 4(7)P GREEN



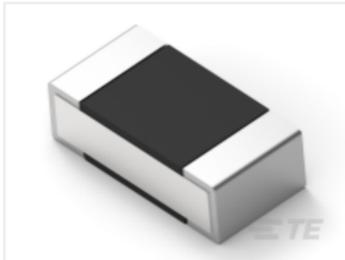
TE Part #2-1376383-3
5MM B-T-W CONN. 3P HDR ASSEMBL



TE Part #8-1971798-2
NEW GI CONN2.5 HDR ASMBLY 8P
BLU D1.0



TE Part #6-1971845-3
3P, RAST 5 Tab Header, THV



TE Part #2176308-4
RP 1E 0.1W 143K 0.1% 25PPM 5K RL



TE Part #3-2232546-3
GI2.5 HDR ASS 3P RED NO BOSS
TAPE

Documents

Product Drawings

[NEW GI CONN2.5 HDR ASMBLY 6P BLK D1.0](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-1971798-5_E_c-6-1971798-5-e.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1971798-5_E_c-6-1971798-5-e.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1971798-5_E_c-6-1971798-5-e.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English