3-1971798-5 ✔ ACTIVE

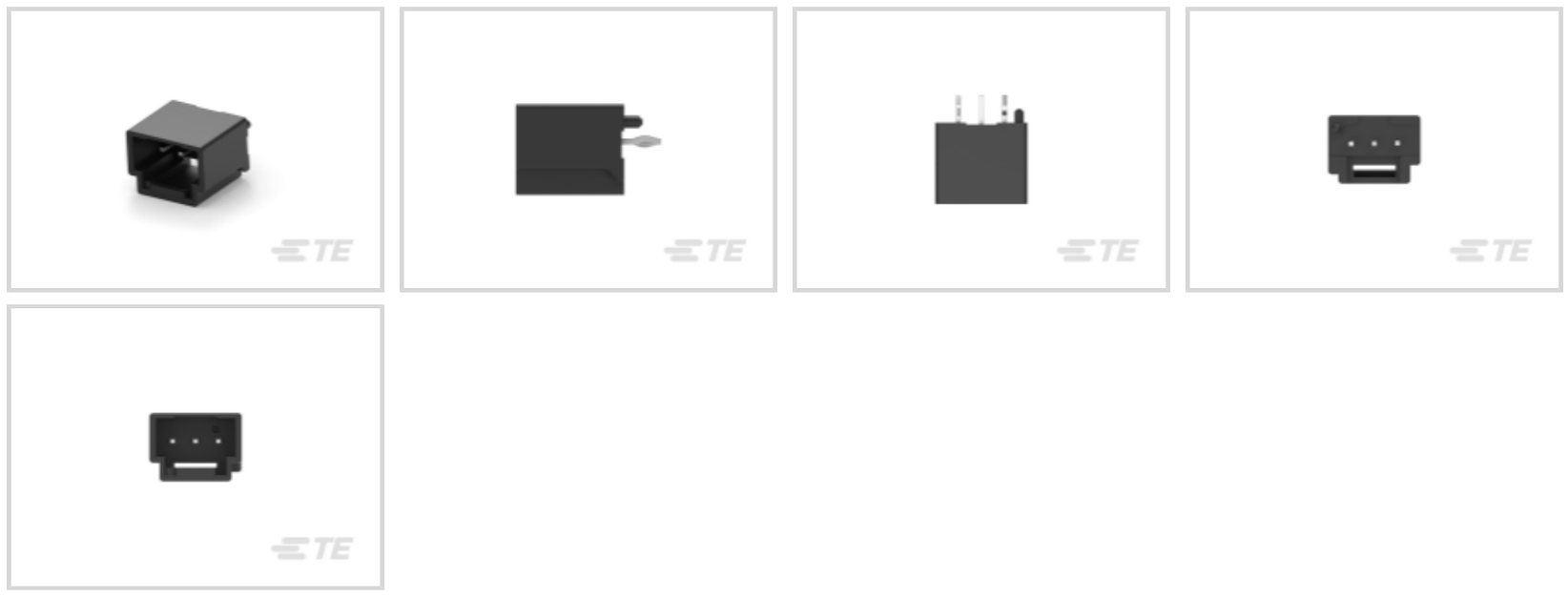
GRACE INERTIA | GRACE INERTIA 2.5

TE Internal #: 3-1971798-5

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, GRACE INERTIA 2.5

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

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	3
Number of Rows	1

Body Features

Primary Product Color	Black

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	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.46 mm[.018 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Kinked
Mating Alignment Type	Keyed, Polarization
Mating Retention Type	Locking
PCB Mount Alignment Type	Locating Posts
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]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box

Product Compliance

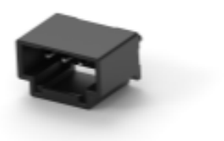
For compliance documentation, visit the product page on TE.com>

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

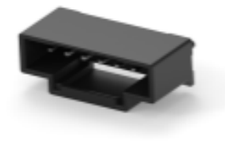
Product Compliance Disclaimer

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



TE Part # 4-1971798-5
NEW GI CONN2.5 HDR ASMBLY 4P BLK D1.0



TE Part # 7-1971798-5
NEW GI CONN2.5 HDR ASMBLY 7P BLK D1.0



TE Part # 2-2232730-1
NEW GI CONN2.5 HDR ASMBLY 2P NC D1.0



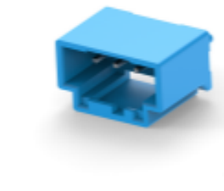
TE Part # 4-1971800-1
NEW GI CONN2.5 HDR ASMBLY 4P NC D1.5



TE Part # 4-1971798-4
NEW GI CONN2.5 HDR ASMBLY 4P YLW D1.0



TE Part # 4-1971798-3
NEW GI CONN2.5 HDR ASMBLY 4P RED D1.0



TE Part # 4-1971798-2
NEW GI CONN2.5 HDR ASMBLY 4P BLU D1.0



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



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

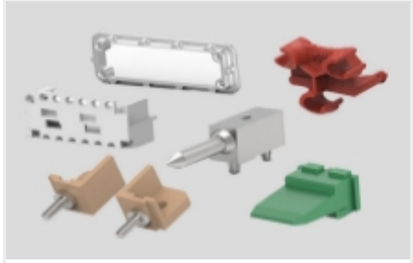


TE Part # 6-1971798-5
NEW GI CONN2.5 HDR ASMBLY 6P BLK D1.0

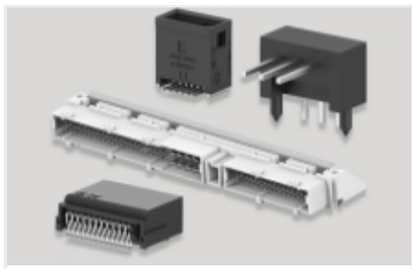
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



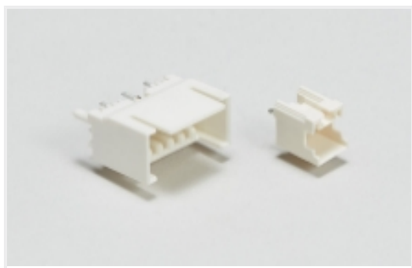
Power Contacts(2)



Rectangular Power Connectors(44)



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



Wire-to-Board Headers & Receptacles (173)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



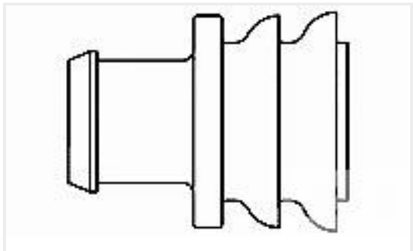
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

NEW GI CONN2.5 HDR ASMBLY 3P BLK D1.0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1971798-5_E_c-3-1971798-5-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1971798-5_E_c-3-1971798-5-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1971798-5_E_c-3-1971798-5-e.3d_stp.zip

English

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Product Specifications

Product Specification

English

Agency Approvals

UL Report

English