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

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: **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

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]

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



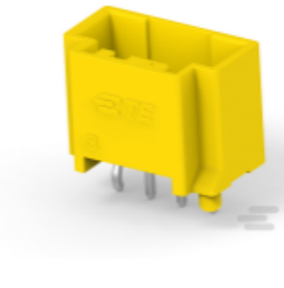
TE Part # 8-1971798-5
NEW GI CONN2.5 HDR ASMBLY 8P BLK D1.0



TE Part # 7-1971798-3
NEW GI CONN2.5 HDR ASMBLY 7P RED D1.0



TE Part # 7-1971798-2
NEW GI CONN2.5 HDR ASMBLY 7P BLU D1.0



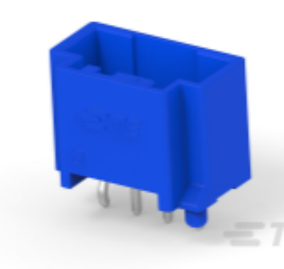
TE Part # 4-1971800-4
NEW GI CONN2.5 HDR ASMBLY 4P YLW D1.5



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



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



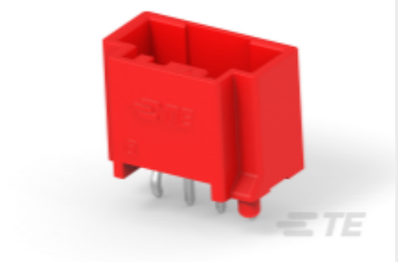
TE Part # 4-1971800-2
NEW GI CONN2.5 HDR ASMBLY 4P BLU D1.5



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



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



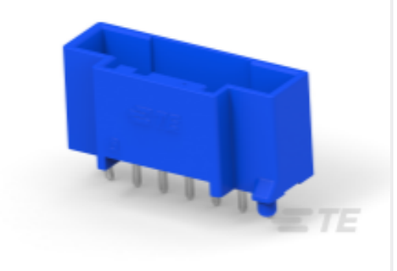
TE Part # 4-1971800-3
NEW GI CONN2.5 HDR ASMBLY 4P RED D1.5



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



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

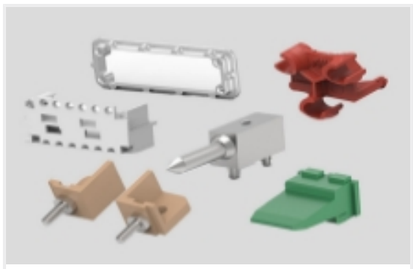


TE Part # 7-1971800-2
NEW GI CONN2.5 HDR ASMBLY 7P BLU D1.5

Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



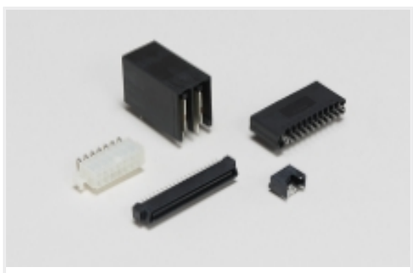
Power Contacts(2)



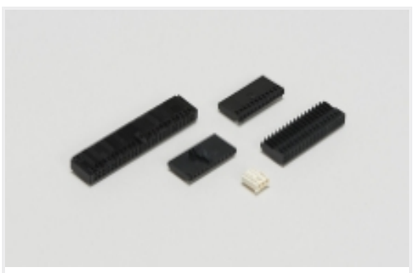
Rectangular Connector Housings(96)



Rectangular Power Connectors(44)



Standard Rectangular Connectors(96)



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

Customers Also Bought



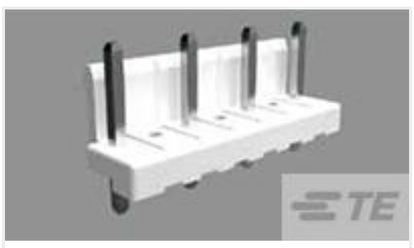
TE Part #66590-4
TYPE VI SKT,MULTI-MATE,L.P.



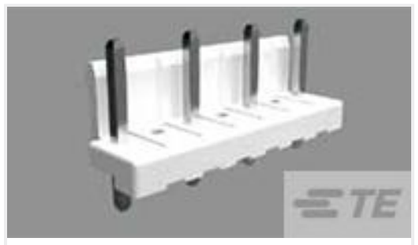
TE Part #1-640389-4
14P MTA156 HDR ASSY SQ R/A F/L



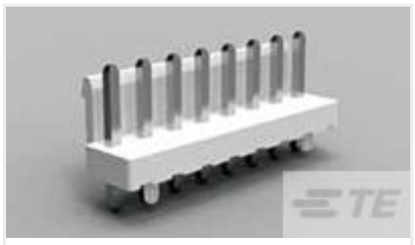
TE Part #770262-3
06P UMNL SOK HDR ASSY 94VO LF



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



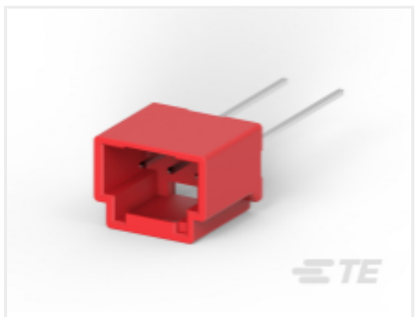
TE Part #1744057-6
3.96 EP HDR ASSY 6P W/PEGS



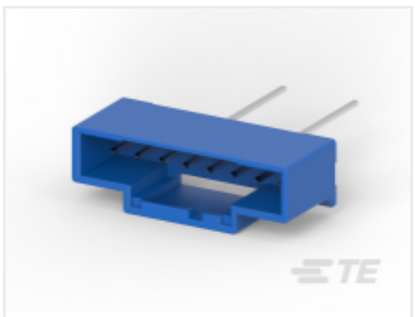
TE Part #1932219-1
MJ,INV,1X1,6PNL G,.100"ST,SN



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



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



TE Part #8-2232546-2
GI2.5 HDR ASS 8P BL 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