



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
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

Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material Thickness	1 μm[40 μin]
Contact Mating Area Plating Material Finish	Matte



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

Mating Retention	With
Mating Alignment Type	Keyed, Polarization
Mating Retention Type	Locking
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]

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



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



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



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



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



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



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



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



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



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

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

Also in the Series | GRACE INERTIA 2.5

Connector Contacts(6)

Connector Hardware(7)

Power Contacts(2)

Rectangular Connector Housings(69)

Rectangular Power Connectors(20)

Standard Rectangular Connectors(69)

Wire-to-Board Connector Assemblies
& Housings(27)

Customers Also Bought

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

TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts

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

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

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

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

TE Part #281934-2
SINGLE WIRE SEAL



Documents

Product Drawings

NEW GI CONN2.5 HDR ASMBLY 4P BLK D1.0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1971798-5_E_c-4-1971798-5-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-1971798-5_E_c-4-1971798-5-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1971798-5_E_c-4-1971798-5-e.3d_stp.zip

English

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

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English