



TE Internal #: 1-1744429-6

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Power, Natural

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **6**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

Number of Power Positions	6
Number of Loaded Positions	5
Number of Positions	6
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	7.7 mm[.303 in]
PCB Contact Termination Area Plating Material Thickness	3.04 µm[120 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1 µm[39.37 µin]
Contact Mating Area Plating Material Thickness	3.04 µm[120 µin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Pegs
Mating Retention	With
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Housing Material	Nylon
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Connector Length	23.76 mm[.935 in]
Connector Height	9.4 mm[.37 in]
Connector Width	8.6 mm[.339 in]



PCB Thickness (Recommended)	1.6 mm[.063 in]
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Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

Other

Position Locations Omitted	3
Number of Blocked Positions	1

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 2024 (241) Candidate List Declared Against: JAN 2020 (205) 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 # 1744429-7 3.96 EP HDR ASSY 7P W/PEGS, GW	 TE Part # 1744429-4 3.96 EP HDR ASSY 4P W/PEGS, GW	 TE Part # 1744429-5 3.96 EP HDR ASSY 5P W/PEGS, GW	 TE Part # 1744429-9 3.96 EP HDR ASSY 9P W/PEGS, GW
 TE Part # 1744429-6 3.96 EP HDR ASSY 6P W/PEGS, GW	 TE Part # 1744489-6 3.96 EP HDR ASY 06P NO PEG, GW	 TE Part # 1-1744429-0 3.96 EP HDR ASSY 10P W/PEGS, GW	 TE Part # 1-1744429-9 3.96 EP HDR ASSY 9P W/PEGS, GW, NO PIN 3
 TE Part # 1-1744524-5 EP 05P HEADER ASY NO 3,4 PINS	 TE Part # 1-1744524-6 EP 06P HEADER ASY NO 2,4,5 PIN	 TE Part # 1744429-2 3.96 EP HDR ASSY 2P W/PEGS, GW	 TE Part # 1744524-6 EP 06P HEADER ASY NO 4 PIN

Customers Also Bought

 TE Part #ZPF000000000136485 RECEPTACLE MALE FOR 12 PINS, CAL1,6	 TE Part #EC9833-000 ZHD-SCE-3.2-50-S1-4	 TE Part #1-1415543-5 RTE44110	 TE Part #ASA158F12390235000 623 PLUG
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TE Part #ZPF00000000205373  
PLUG MALE ANG.90 CAL.20 - FXP



TE Part #YZ-KC-212751A-PY00  
TOOL DISMOUNTING - FXP2



TE Part #55992-1  
TERMINAL,AMPOWER R 2/0 5/16



TE Part #ZPF00000000205378  
CONTACT MALE ANG.90, CAL20, 120MM2 - FXP



TE Part #ZPF00000000205388  
CONTACT FEMALE CAL.20, M12 - FXP

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1744429-6\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1744429-6\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1744429-6\_D.3d\_stp.zip

English

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

Product Specifications

Application Specification

English