

1-1744429-6 ✓ ACTIVE

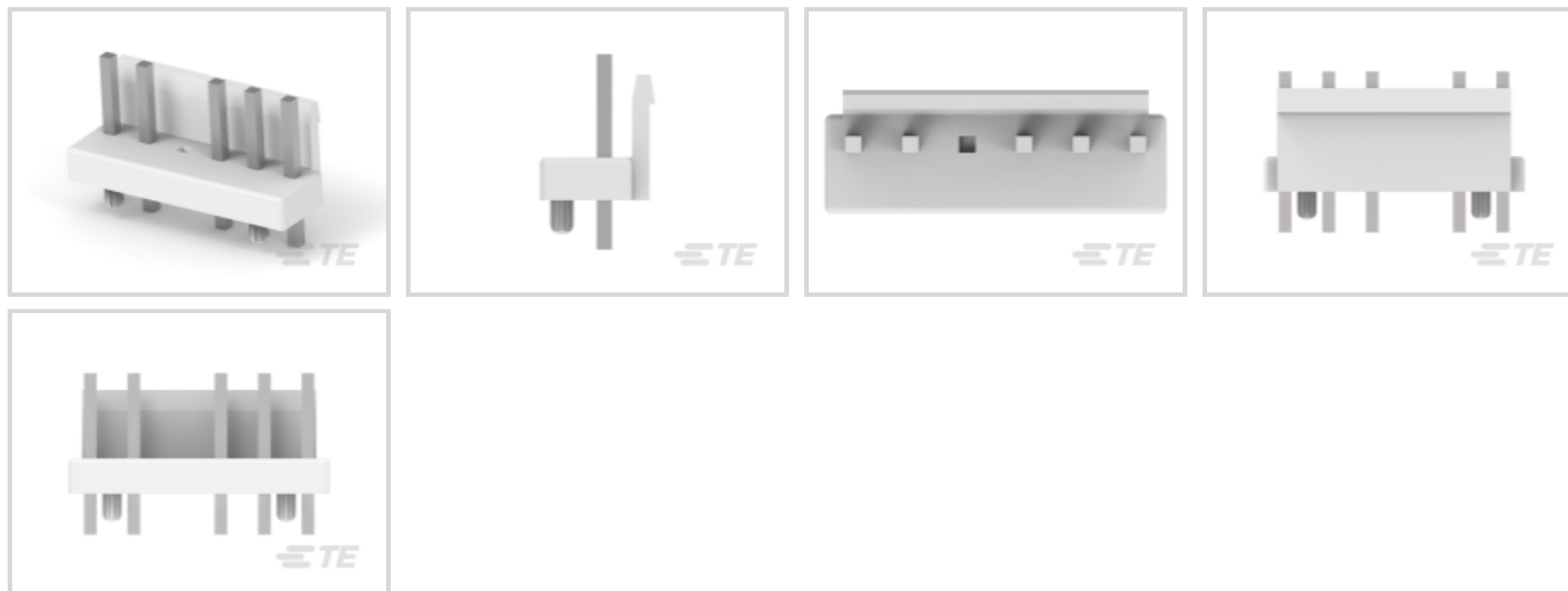


TE Internal #: 1-1744429-6

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**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **1**

## Features

### Electrical Characteristics

Operating Voltage	250 VDC
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### Dimensions

Connector Width	8.6 mm[.339 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.4 mm[.37 in]
Connector Length	23.76 mm[.935 in]

### Other

Position Locations Omitted	3
Number of Blocked Positions	1
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Packaging Features

Packaging Quantity	1000
Packaging Method	Bag



### Industry Standards

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

### Usage Conditions

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

### Mechanical Attachment

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

### Termination Features

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

### Contact Features

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

### Housing Features

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



### Configuration Features

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

### 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

### Body Features

Primary Product Color	Natural
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### Operation/Application

Circuit Application	Power
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### 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 # 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 # 1744489-6  
3.96 EP HDR ASY 06P NO PEG, GW



TE Part # 1744429-2  
3.96 EP HDR ASSY 2P W/PEGS, GW



TE Part # 1744429-7  
3.96 EP HDR ASSY 7P 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 # 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 # 1744429-6  
3.96 EP HDR ASSY 6P W/PEGS, GW




TE Part # 1744429-4  
3.96 EP HDR ASSY 4P W/PEGS, GW



TE Part # 1744524-6  
EP 06P HEADER ASY NO 4 PIN

## Customers Also Bought



TE Part # EC9833-000  
ZHD-SCE-3.2-50-S1-4



TE Part # 1614770-4  
BDS 2 A 250 10R 10%



TE Part # 1-1415543-5  
RTE44110



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



## 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