



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **5**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

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Operating Voltage	250 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1 µm[39.37 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	3.048 µm[120 µin]
PCB Contact Termination Area Plating Material Thickness	3.048 µm[120 µin]
Contact Shape & Form	Square
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 (Sn)
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

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

Housing Features

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

Dimensions

Connector Width	8.6 mm[.339 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.4 mm[.37 in]
Connector Length	19.8 mm[.78 in]

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

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: 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	Wave solder capable to 260°C

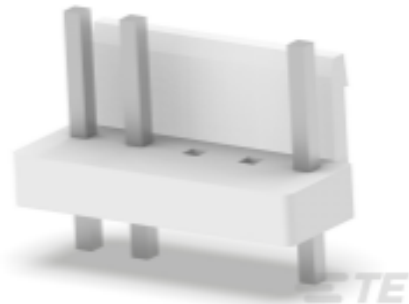
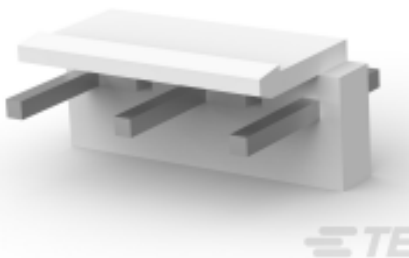
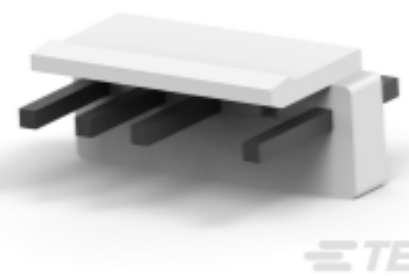
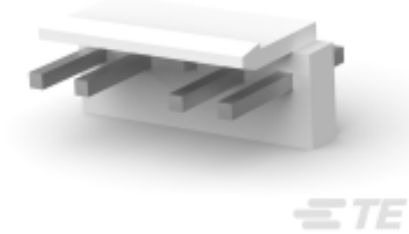
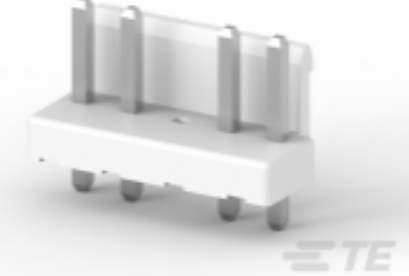
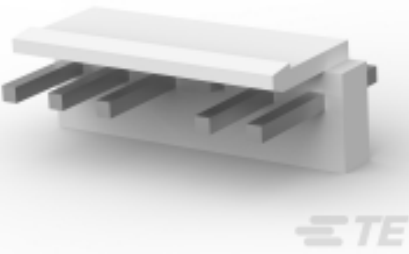
Product Compliance Disclaimer

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

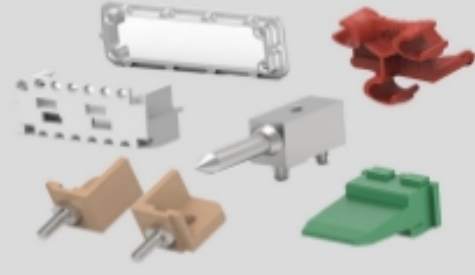
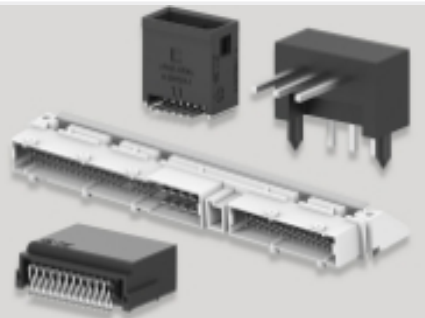


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

 TE Part # 1-1744524-5 EP 05P HEADER ASY NO 3,4 PINS	 TE Part # 1744524-5 EP 05P HEADER ASY NO 2,4 PIN	 TE Part # 2-1744524-5 EP 05P HEADER ASY NO 2,3,4 PIN	 TE Part # 1744544-5 EP II TPA 05P, BLACK
 TE Part # 1744416-5 5 POS EP II HSG, GLOW WIRE	 TE Part # 3-1744524-5 EP 05P HEADER ASY NO #4 PIN	 TE Part # 1744291-1 EP HDR ASSY 5P W/PEG,NAT,W/0#3	 TE Part # 4-1744524-5 EP 05P HEADER ASY NO #3 PIN
 TE Part # 1744524-6 EP 06P HEADER ASY NO 4 PIN	 TE Part # 1744495-5 05P EP-II HOUSING, GREEN	 TE Part # 4-1744524-3 3.96 EP HDR ASY 03P ,NO 2 PIN, GW	

Also in the Series | Economy Power

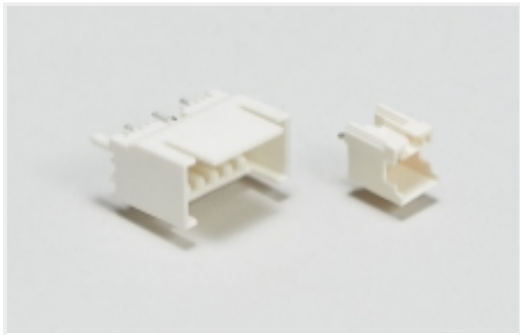
 Connector Contacts(15)	 Connector Hardware(2)	 Insertion & Extraction Tools(1)	 PCB Headers & Receptacles(402)
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[Power Contacts\(9\)](#)

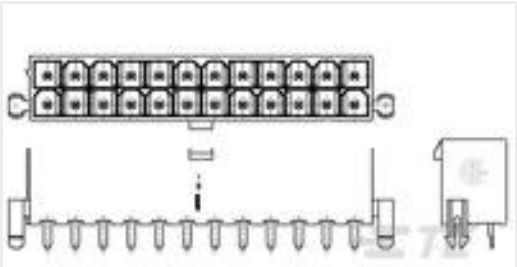


[Rectangular Power Connectors\(460\)](#)



[Wire-to-Board Headers & Receptacles \(402\)](#)

Customers Also Bought



TE Part #1586039-4
[4P VAL-U-LOK VRT HDR W/P V2](#)



TE Part #2-2176236-3
[CPF A 0402 6K8 0.1% 25PPM 5K RL](#)



TE Part #3-640428-6
[06P MTA156 CONN ASSY 22AWG RED](#)



TE Part #1-1879417-9
[CPF 0603 1M0 0.1% 25PPM 1K RL](#)



TE Part #640456-7
[07P MTA100 HDR ASSY F/L SQ STR](#)



TE Part #2176325-1
[CRGP 0402 10R 1%](#)



TE Part #640389-5
[05P MTA156 HDR ASSY SQ R/A F/L](#)



TE Part #58246-1
[MTA 100 CRIMP HEAD REPAIR DISCRETE](#)



TE Part #2176325-5
[CRGP 0402 22R 1%](#)



TE Part #3-640428-5
[05P MTA156 CONN ASSY 22AWG RED](#)

Documents

Product Drawings

[3.96 EP HDR ASY 05P NO PEG, GW](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1744489-5_D.2d_dxf.zip](#)

1744489-5

PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Economy Power



English

Customer View Model

[ENG_CVM_CVM_1744489-5_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1744489-5_D.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

Economy Power II (EP II) Glow Wire test compliant connectors

English

[1-1773885-9 Economy Power Connectors](#)

English

Product Specifications

Application Specification

Japanese

Application Specification

English