



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

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

Features

Product Type Features

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

Connector Contact Load Condition	Selectively Loaded
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
Contact Mating Area Length	7.7 mm[.303 in]
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	3.05 µm[120 µin]



Contact Underplating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.05 µm[120.08 µin]
Contact Type	Pin
Contact Current Rating (Max)	8 A

Termination Features

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment	Without
Panel Mount Feature	Without
Mating Retention Type	Latch
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

	.935 in
Connector Height	10.91 mm[.429 in]
Connector Width	8.6 mm[.33 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]



Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0
Agency/Standard	UL
UL Rating	Recognized
UL File Number	E28476

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

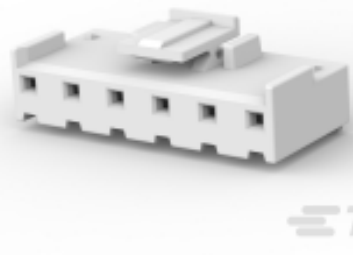
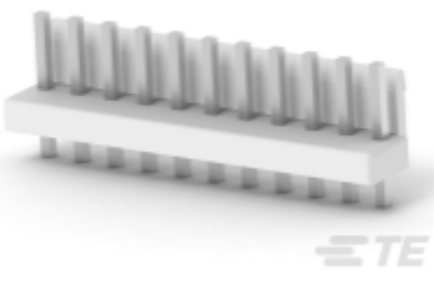
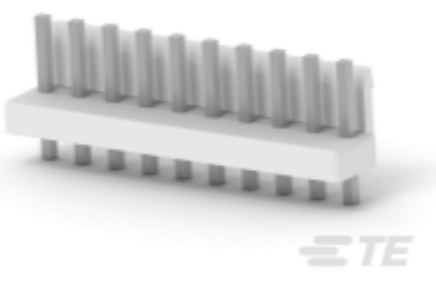
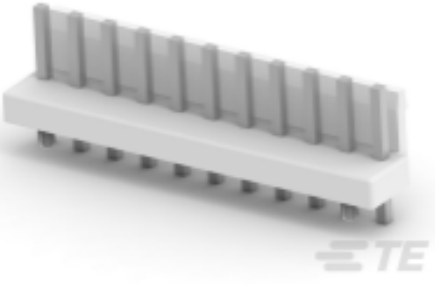
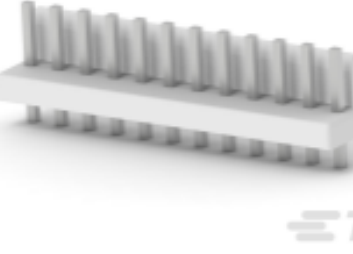
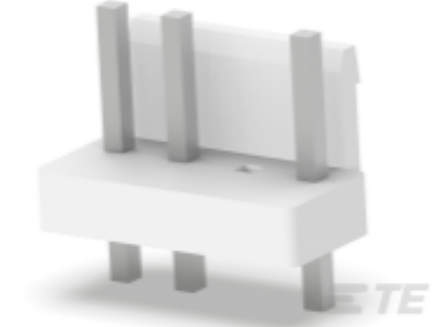
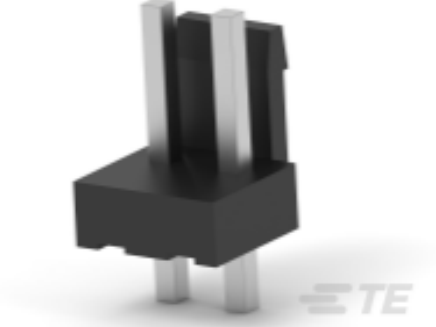
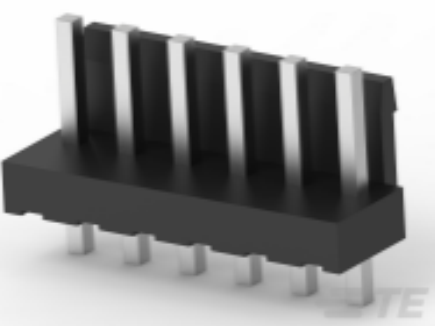
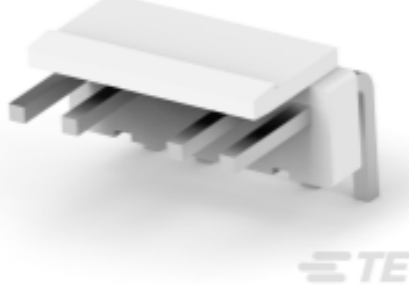
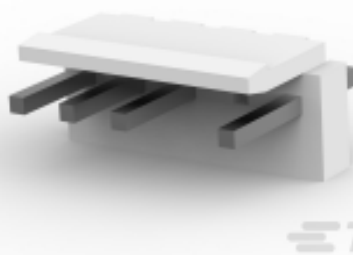
Product Compliance Disclaimer

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 # 1744416-6 6 POS EP II HSG, GLOW WIRE	 TE Part # 2-1744036-6 06P ECONOMY POWER .200 CL HSG	 TE Part # 1-1744489-1 3.96 EP HDR ASY 11P NO PEG, GW	 TE Part # 1-1744489-0 3.96 EP HDR ASY 10P NO PEG, GW
 TE Part # 1-1744429-1 3.96 EP HDR ASSY 11P W/PEGS, GW	 TE Part # 1-1744489-2 3.96 EP HDR ASY 12P NO PEG, GW	 TE Part # 1-1744524-4 EP 04P HEADER ASY,GW, NO 3 PIN	 TE Part # 1744055-2 3.96 EP HDR ASSY 2P VERT HT
 TE Part # 1744055-6 3.96 EP HDR ASSY 6P VERT HT	 TE Part # 1744496-6 06P EP-II HOUSING, BLUE	 TE Part # 1744524-4 EP 04P HEADER ASY NO 2 PIN	 TE Part # 1744524-8 08P EP HDR NO 3,6 PIN V0 GWT
 TE Part # 1744525-5 EP RA 05P HEADER ASY NO 3 PIN	 TE Part # 2-1744435-5 EP 05P V-HDR ASY NO 4 PIN	 TE Part # 2-1744524-4 EP 04P HEADER ASY,GW, NO 2,3 PIN	 TE Part # 2-1744524-6 EP 06P HEADER ASY NO 2 PIN



TE Part # 3-1744524-0
EP 10P HDR NO3,5,7,9PINS V0GWT

TE Part # 3-1744524-1
EP 11P HEADER ASY NO 2,6 PINS

Also in the Series | Economy Power

Connector Contacts(1)

Insertion & Extraction Tools(1)

PCB Latches, Locks & Retainers(2)

Power Contacts(5)

Rectangular Connector Housings(1)

Rectangular Power Connectors(260)

Wire-to-Board Connector Assemblies & Housings(41)

Wire-to-Board Connector Contacts(6)

Wire-to-Board Headers & Receptacles (162)

Customers Also Bought

TE Part #487576-3
11 ZIF LINE 50 ASSY

TE Part #644831-1
Polyester Vertical PCB Header: 2.54 mm, Unshrouded, No Mating Alignment

TE Part #1744524-8
08P EP HDR NO 3,6 PIN V0 GWT

TE Part #1744524-9
09P EP HDR NO 7 PIN V0 GWT



TE Part #1852892-3
MACH,U-POD FLAG EAPR110F180O
BENCH G

TE Part #2-2151340-2
OCEAN-2.0-APPLICATOR-S-110F180F

TE Part #2825468-1
CLSTR PIN RCPT 0.5SQMM

TE Part #567335-2
HDMEAPO180F300FK

CRIMPER REPRESENTATION ONLY
TE Part #8-1633730-3
CRIMPER, WIRE F..058

TE Part #4-1879283-0
MELF SMA 56K 1% 50PPM 1W 0207

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1744524-6_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-1744524-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1744524-6_D.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

VDE Certificate

English