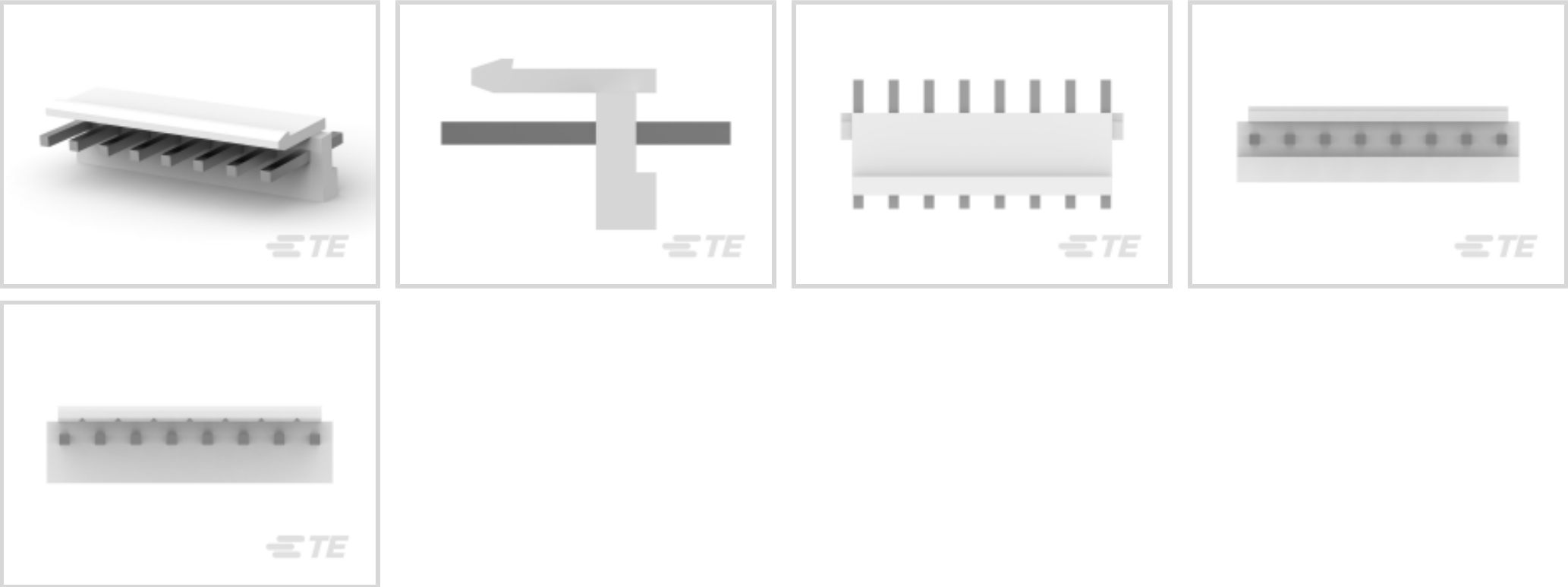




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

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	8
Number of Power Positions	8
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

Electrical Characteristics

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Operating Voltage	250 VDC
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Body Features

Connector Profile	Low
Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 1.8 µm[31.5 – 70.86 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 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	3.7 mm[.146 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	PBT GF
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Centerline (Pitch)	3.96 mm[.156 in]
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Dimensions

Connector Width	8.5 mm[.334 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.2 mm[.36 in]
Connector Length	31.62 mm[1.24 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

UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
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>

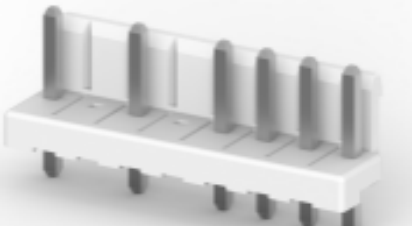
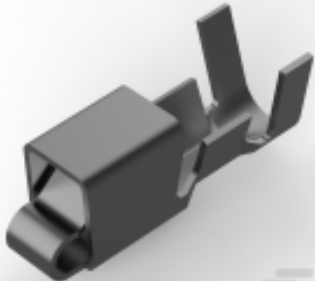
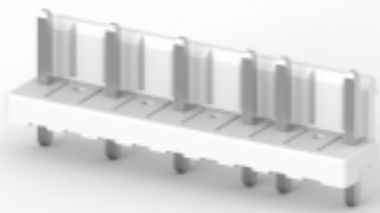
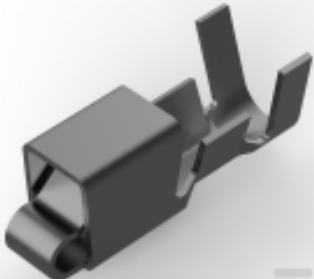
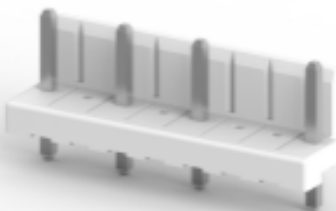
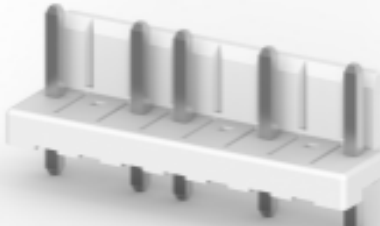
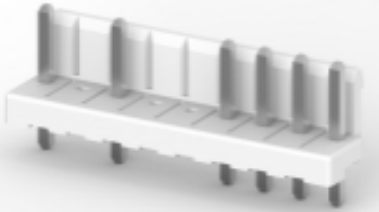
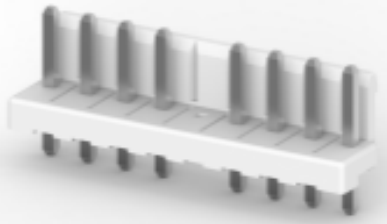
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 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 # 1-1123722-8 3.96 EP PLUG HSG 8P(NATURAL)	 TE Part # 2-2316952-8 3.96 EP HDR ASSY 8P, NO PIN 2,4	 TE Part # 1123721-1 EP CONN. REC CONTACT	 TE Part # 1-2316952-0 3.96 EP HDR ASSY 10P, NO PIN 2,4,6,9
 TE Part # 1123721-2 ECONOMY POWER CONN REC CONT	 TE Part # 1744416-8 8 POS EP II HSG, GLOW WIRE	 TE Part # 2316952-7 3.96 EP HDR ASSY 7P, NO PIN 1,3,5	 TE Part # 2316952-8 3.96 EP HDR ASSY 8P, NO PIN 2,4,6,7
 TE Part # 1744544-8 EP II TPA 08P, BLACK	 TE Part # 1744497-8 08P EP-II HOUSING, GREY	 TE Part # 1-2316952-8 3.96 EP HDR ASSY 8P, NO PIN 2,5,7	 TE Part # 1-2316952-9 3.96 EP HDR ASSY 9P, NO PIN 2,4,5
 TE Part # 2316952-9 3.96 EP HDR ASSY 9P, NO PIN 5			



Also in the Series | Economy Power

Connector Contacts(15)	Connector Hardware(2)	Power Contacts(9)	Rectangular Connector Housings(58)
Rectangular Power Connectors(460)	Standard Rectangular Connectors(58)	Wire-to-Board Connector Assemblies & Housings(141)	

Customers Also Bought

TE Part #1-2834021-3 3POS 2.5MM TES CONN.	TE Part #2-2176606-2 RLC73PD 3A 1R0 1% 2K RL	TE Part #1877285-3 03P EP SHRD HDR ASMY, WHITE	TE Part #2132781-8 08P EP-II HOUSING, NATURAL
TE Part #5-104655-1 10 50/50 HDR DRST SFMNT TIN	TE Part #1-292207-5 MINI CT SGL DIP V 15P NAT	TE Part #2132781-6 06P EP-II HOUSING, NATURAL	TE Part #1-292207-8 MINI CT SGL DIP V 18P NAT
TE Part #3-644457-5 05P MTA100 HDR ASSY R/A NARROW	TE Part #2154828-2 Cable Assembly EP11 3 Pos		



Documents

Product Drawings

3.96 EP HDR ASSY 8P(NATURAL)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1123723-8_AD_c-1-1123723-8-ad.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1123723-8_AD_c-1-1123723-8-ad.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1123723-8_AD_c-1-1123723-8-ad.3d_stp.zip

English

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

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

Agency Approvals

VDE Certificate

English