



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: **4**

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

Number of Power Positions	4
Number of Columns	4
Number of Loaded Positions	3
Connector Contact Load Condition	Selectively Loaded
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	1

Electrical Characteristics



Insulation Resistance	500 MΩ
Operating Voltage	250 VAC

Body Features

Connector Profile	Standard
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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
	39.7 μin
Contact Underplating Material Thickness	.8 μm[31.49 – 70.86 μin]
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	1 μm[39.37 μin]
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.7 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 GF15
Dimensions	
	.621 in
Connector Height	10.7 mm[.421 in]
Connector Width	8.5 mm[.334 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Usage Conditions	
Housing Temperature Rating	Standard
Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
Operation/Application	
Solder Process Feature	Board Standoff
Shielded	No
Circuit Application	Power
Industry Standards	
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-2
Agency/Standard	UL
UL Rating	Recognized
UL File Number	E28476
Packaging Features	
Packaging Quantity	500
Packaging Method	Bag
Other	
Position Locations Omitted	2
Number of Blocked Positions	1

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

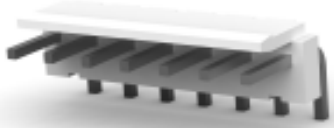
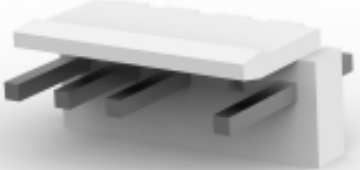
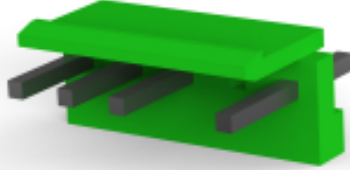
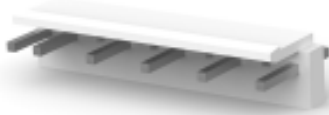
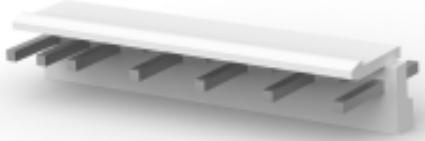


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

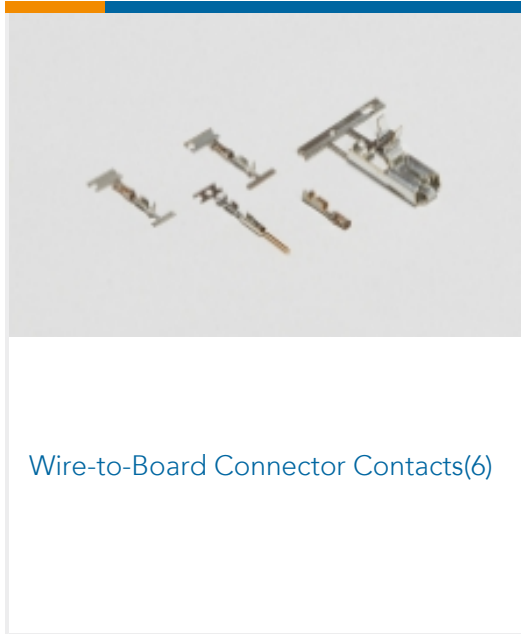
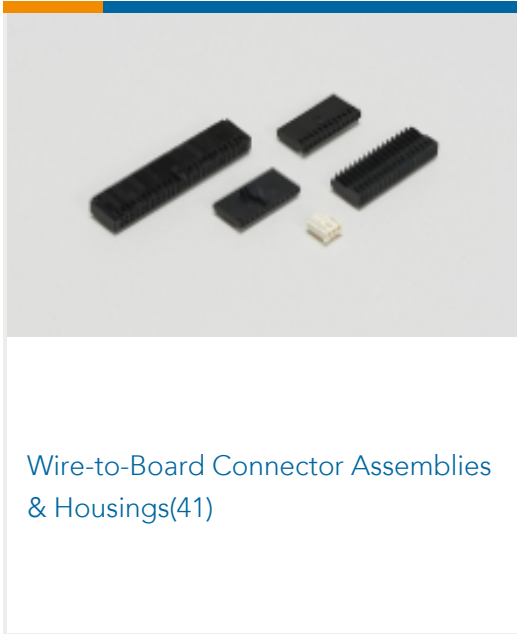
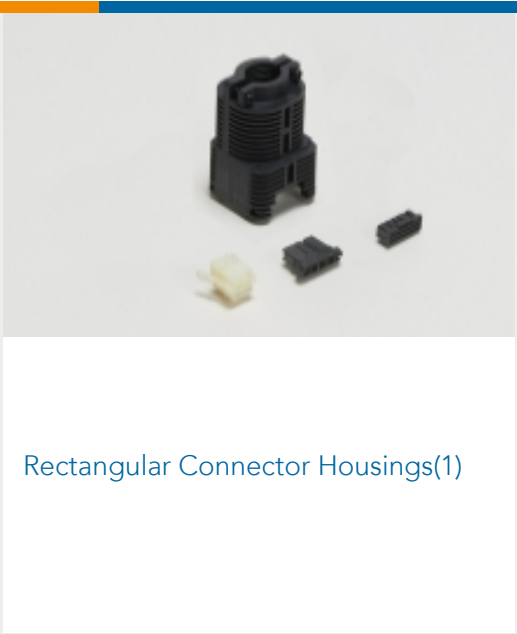
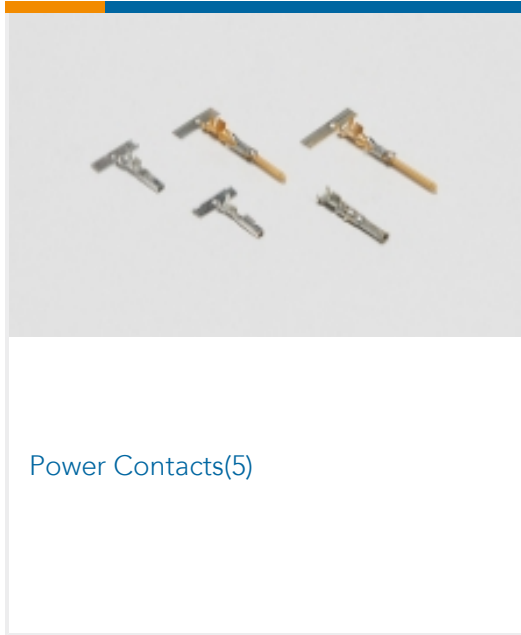
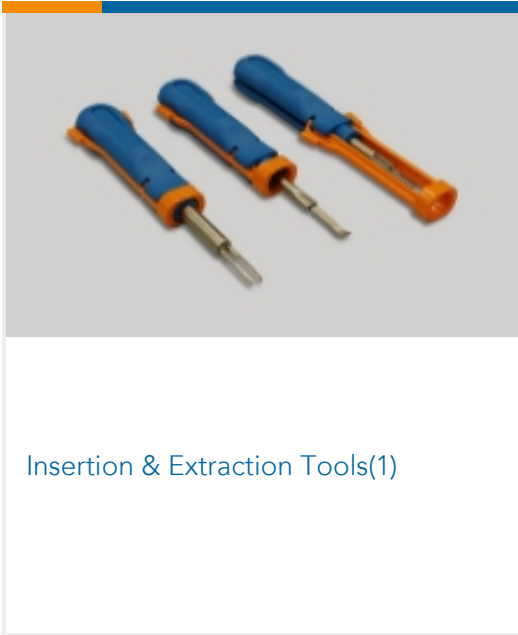
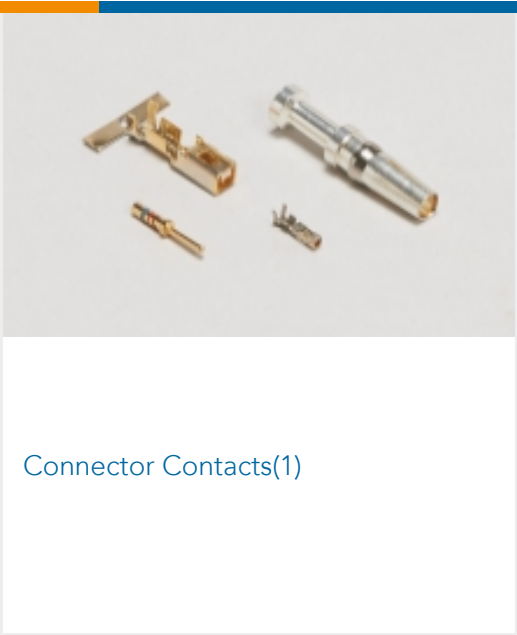
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1744416-4 4 POS EP II HSG, GLOW WIRE	 TE Part # 1744067-7 07P EC PWR.200 CL ASSY RA WO#5	 TE Part # 1744103-1 3.96 EPHDR ASSY 3P OMIT #2 PIN	 TE Part # 1744494-4 04P EP-II HOUSING, YELLOW
 TE Part # 2-1744435-5 EP 05P V-HDR ASY NO 4 PIN	 TE Part # 3-1717011-4 EP CONN.HDR ASSY 4/5P GREEN W /O#4	 TE Part # 3-1744524-0 EP 10P HDR NO3,5,7,9PINS V0GWT	 TE Part # 8-1123724-6 3.96EP HDR ASSY 6P NATURAL GWT



Also in the Series | Economy Power



Customers Also Bought





Documents

Product Drawings

04P EP HDR ASSY NO2P GWT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1473059-1_AD.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1473059-1_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1473059-1_AD.3d_stp.zip

English

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

Datasheets & Catalog Pages

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_3-1473059-1_06212017638_dmtec

3-1473059-1

Economy Power, PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 3.96mm [.156in] Centerline, 1 Row, Tin, Natural Housing Color



English

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English