

1-1717011-4 ✓ ACTIVE



### Economy Power

TE Internal #: 1-1717011-4

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

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **5**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### Configuration Features

Connector Contact Load Condition	Selectively Loaded
Number of Positions	5
Number of Rows	1
PCB Mount Orientation	Vertical

### Electrical Characteristics

Operating Voltage	250 VAC
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### Body Features

Primary Product Color	Natural
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### Contact Features

Contact Layout	Inline
Mating Square Post Dimension	1.14 mm[.045 in]
	39.7 $\mu$ m
Contact Underplating Material Thickness	.8 $\mu$ m[31.49 – 70.86 $\mu$ m]
Contact Mating Area Plating Material Thickness	1 $\mu$ m[39.37 $\mu$ m]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
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	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### Housing Features

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

### Dimensions



	.777 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

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	Standard Part - Not Glow Wire
Agency/Standard	UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	1000
Packaging Type	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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 1-1123722-4  
3.96 EP PLUG HSG 4P(NATURAL)



TE Part # 1744416-5  
5 POS EP II HSG, GLOW WIRE



TE Part # 2-1123722-4  
3.96 EP PLUG HSG 4P(YELLOW)



TE Part # 1123721-2  
ECONOMY POWER CONN REC CONT



TE Part # 6-1123722-4  
3.96 EP PLUG HSG 4P(GREEN)



TE Part # 1123721-1  
EP CONN. REC CONTACT



TE Part # 1-1717011-5  
EP CONN.HDR ASSY 5/6POS-W/O NO.5



TE Part # 2-1717011-5  
EP CONN.HDR ASSY 5/6POS-W/O NO.5



TE Part # 3-1717011-5  
EP CONN.HDR ASSY 5/6POS-W/O NO.5



TE Part # 4-1717011-4  
EP CONN.HDR ASSY 4/5POS-W/O NO.2



TE Part # 4-1717011-5  
EP CONN.HDR ASSY 5/6POS-W/O NO.5



TE Part # 5-1717011-4  
EP CONN.HDR ASSY 4/5POS-W/O NO.2



TE Part # 5-1717011-5  
EP CONN.HDR ASSY 5/6POS-W/O NO.5



TE Part # 6-1717011-5  
EP CONN.HDR ASSY 5/6POS-W/O NO.2



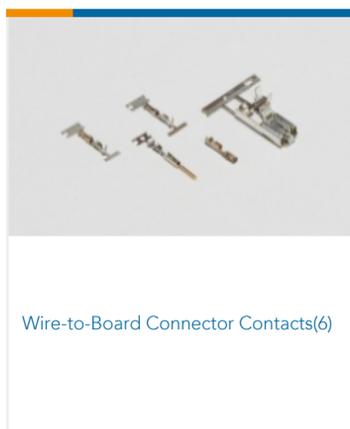
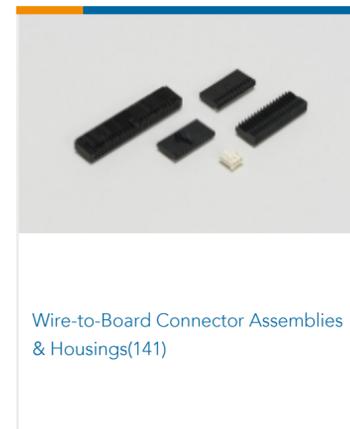
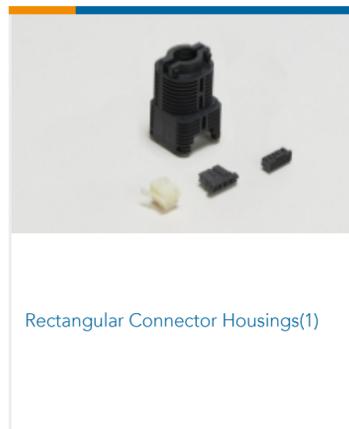
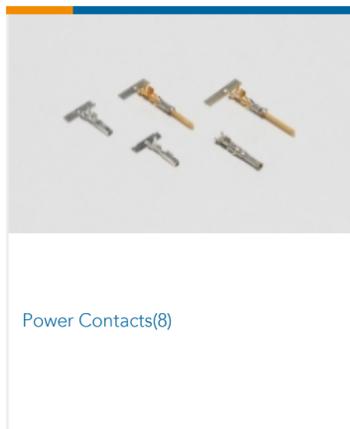
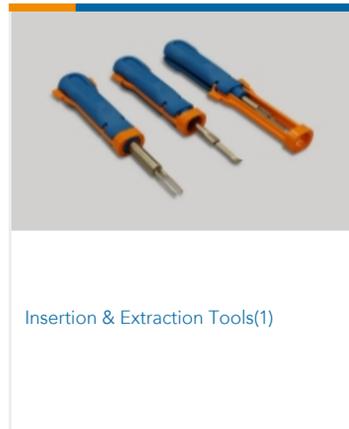
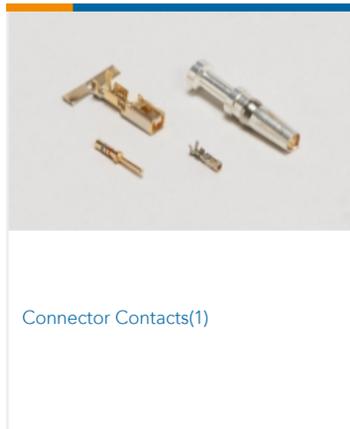
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EP CONN.HDR ASSY 4/5POS-W/O NO.2



TE Part # 1744103-1  
3.96 EPHDR ASSY 3P OMIT #2 PIN NO.2



## Also in the Series | Economy Power



## Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1-1717011-4\\_AD\\_c-1-1717011-4-ad.2d\\_dxf.zip](#)

[English](#)

[Customer View Model](#)



[ENG\\_CVM\\_CVM\\_1-1717011-4\\_AD\\_c-1-1717011-4-ad.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1717011-4\\_AD\\_c-1-1717011-4-ad.3d\\_stp.zip](#)

English

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### Product Specifications

**Application Specification**

English

**Application Specification**

Japanese

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### Product Environmental Compliance

[MD\\_1-1717011-4\\_06062016111\\_dmtec](#)

English

[MD\\_1-1717011-4\\_06062016111\\_dmtec](#)

English

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### Instruction Sheets

**Instruction Sheet (non U.S.)**

Japanese

**Economy Power (EP) Connector**

Japanese