

1-1717011-4 ✓ ACTIVE

Economy Power

TE Internal #: 1-1717011-4

Economy Power, PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 3.96mm [.156in] Centerline, 1 Row, Tin, Natural Housing Color

[View on TE.com >](#)



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: **5**

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	5
Number of Rows	1

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Contact Features

Contact Layout	Inline
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Mating Square Post Dimension	1.14 mm[.045 in]
Contact Retention Within Housing	Without
	39.7 $\mu$ m
Contact Underplating Material Thickness	.8 $\mu$ m[31.49 – 70.86 $\mu$ m]
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	1 $\mu$ m[39.37 $\mu$ m]
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

Strain Relief	Without
Mating Alignment	With
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	PBT GF

#### Dimensions

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	.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
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 # 1744416-5  
5 POS EP II HSG, GLOW WIRE



TE Part # 1123721-2  
ECONOMY POWER CONN REC CONT



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



TE Part # 7-1717011-4  
EP CONN.HDR ASSY 4/5POS-W/O NO.2



TE Part # 1744103-1  
3.96 EPHDR ASSY 3P OMIT #2 PIN



TE Part # 1744336-1  
EP HDR ASSY 5P R/A,OMIT 2&4



TE Part # 1744495-5  
05P EP-II HOUSING, GREEN



TE Part # 2-1717011-1  
EP CONN.HDR ASSY 4/5POS (NATURAL GWT)




TE Part # 3-1717011-4  
EP CONN.HDR ASSY 4/5P GREEN W /O#4



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




TE Part # 5-1123722-4  
3.96 EP PLUG HSG 4P(BLACK)




TE Part # 8-1717011-4  
EP CONN.HDR ASSY 4/5P BLACK (NO.3 POST)


## 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)

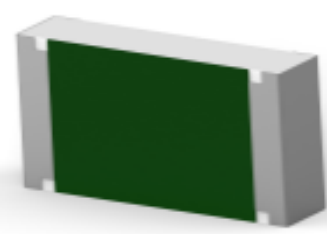


Wire-to-Board Connector Contacts(6) & Housings(41)

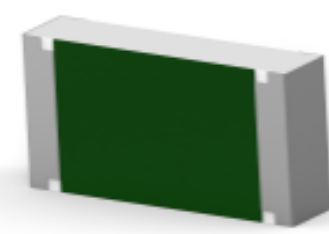


Wire-to-Board Headers & Receptacles (162)

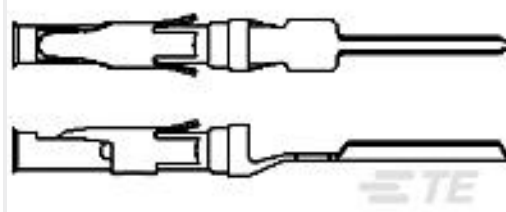
## Customers Also Bought



TE Part #1-2176399-3  
3502 2K7 5%



TE Part #1-2176399-5  
3502 3K9 5%



TE Part #1776003-2  
CONTACT ASSY,SCKT,.045 POST LP



TE Part #1376383-5  
Glow Wire Power Key Header



## Documents

### Product Drawings

[EP CONN.HDR ASSY 4/5POS SPECIA](#)

English

[EP CONN.HDR ASSY 4/5POS SPECIA](#)

English

### 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

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

### Product Specifications

[Application Specification](#)

English

[Application Specification](#)

Japanese

### Product Environmental Compliance



### TE Material Declaration

English

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### Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

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### Agency Approvals

UL Report

English