

1-1744489-1 ✓ ACTIVE



### Economy Power

TE Internal #: 1-1744489-1

PCB Mount Header, Vertical, Wire-to-Board, 11 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: **11**

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	Fully Loaded
Number of Positions	11
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 Mating Area Length	7.7 mm[.303 in]
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	3 $\mu$ m[120 $\mu$ in]
Contact Layout	Inline
Contact Underplating Material Thickness	1 $\mu$ m[39.37 $\mu$ in]
Contact Mating Area Plating Material Thickness	3 $\mu$ m[120 $\mu$ in]
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	3.69 mm[.145 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	Without
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	Nylon
Centerline (Pitch)	3.96 mm[.156 in]



### Dimensions

	1.715 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
Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	500
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 260°C

#### Product Compliance Disclaimer

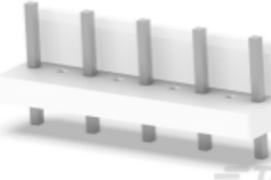
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-1744416-1  
11 POS EP II HSG, GLOW WIRE



TE Part # 1-1744524-9  
09P EP HDR NO 2,4,6,8 PIN V0 GWT



TE Part # 1-1744544-1  
EP II TPA 11P, BLACK



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



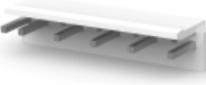
TE Part # 2-1744435-5  
EP 05P V-HDR ASY NO 4 PIN



TE Part # 2-1744524-6  
EP 06P HEADER ASY NO 2 PIN



TE Part # 2-1744524-9  
09P EP HDR NO 2,4,7 PIN V0 GWT



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



TE Part # 4-1744524-6  
EP 06P HEADER ASY NO 5 PIN

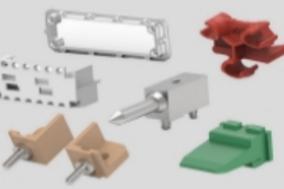


TE Part # 8-1744524-7  
3.96 EP HDR ASY 07P NO2,4,6PIN,NO PEG,GW

## Also in the Series | Economy Power



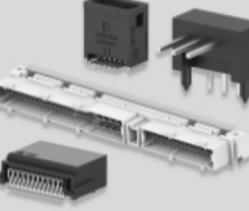
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(399)



Rectangular Connector Housings(1)

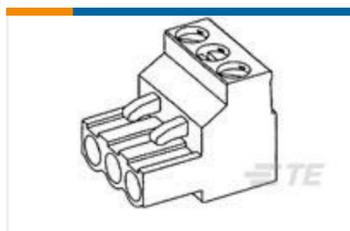
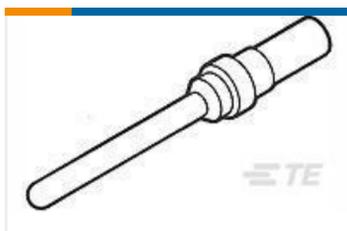
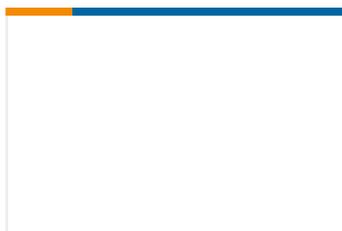


Rectangular Power Connectors(64)



Wire-to-Board Connector Assemblies &amp; Housings(142)

## Customers Also Bought

TE Part # 796634-3  
3 POS 5.08MM R/A PLUG, TRM BLKTE Part # 205089-1  
HD 20 PIN CONTACTTE Part # 63318-1  
SPLICE 20AWG .005 ST

## Documents

### Product Drawings

#### 3.96 EP HDR ASY 11P NO PEG, GW

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1744489-1\\_D.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1744489-1\\_D.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1744489-1\\_D.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

#### Economy Power II (EP II) Glow Wire test compliant connectors

English

#### 1-1773885-9 Economy Power Connectors

English

### Product Specifications

#### Application Specification

1-1744489-1

PCB Mount Header, Vertical, Wire-to-Board, 11 Position, 3.96 mm [.156 in] Centerline,  
Partially Shrouded, Tin, Through Hole - Solder, Economy Power



Japanese