



## Economy Power

TE Internal #: 6-1123723-2

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 2  
Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL  
94HB, Economy Power

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors

Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **2**

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

## Features

### Product Type Features

Header Type	Partially Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VDC
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### Body Features

Connector Profile	Low
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### Contact Features

Mating Post Length	7.7 mm[.3 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 $\mu$ m[150 – 350 $\mu$ in]
Contact Layout	Inline



Contact Mating Area Plating Material	Tin
Contact Base Material	Brass
Contact Current Rating (Max)	8 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]

### Termination Features

Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

Connector Height	8.2 mm[.32 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Product Width	10.7 mm[.421 in]
Product Length	7.86 mm[.309 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

UL Flammability Rating	UL 94HB
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Glow Wire Rating

Standard Part - Not Glow Wire

### Packaging Features

Packaging Quantity

6000

Packaging Method

Bag

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2023 (235)  
 Candidate List Declared Against: JUNE 2023 (235)  
 Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl &gt; 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 # 1123721-2  
 ECONOMY POWER CONN REC  
 CONT

TE Part # 1123721-1  
 EP CONN. REC CONTACT

TE Part # 6-1717011-4  
 EP CONN.HDR ASSY 4/5POS-W/O  
 NO.2

TE Part # 6-1123722-2  
 3.96 EP PLUG HSG 2P(GREEN)



## Also in the Series | Economy Power

Connector Contacts(1)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(162)

PCB Latches, Locks & Retainers(2)

Power Contacts(8)

Rectangular Connector Housings(1)

Rectangular Power Connectors(302)

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

Wire-to-Board Connector Contacts(6)

## Customers Also Bought

TE Part #5413969-2  
JACK,PCB,VERT,COMMERCIAL BNC

TE Part #1879378-9  
Metal Chip Resistor: Current Sense

TE Part #4-1630019-2  
HSC200 250R 5%

TE Part #2-1123723-4  
3.96 EP HDR ASSY 4P(YELLOW)

TE Part #2-2176344-5  
CRGCO 1206 10K 5%

TE Part #2-1879446-6  
TE 150W 120R 5% Bracket

TE Part #7-1768829-1  
LBC-RAS-10408-1

TE Part #294722-E  
STVQ/2 32 FI AB VV 7-03 TL \* \* 247 E 172



## Documents

### Product Drawings

#### 3.96 EP HDR ASSY 2P(GREEN)

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6-1123723-2\\_AD.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6-1123723-2\\_AD.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6-1123723-2\\_AD.3d\\_stp.zip](#)

English

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

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### Product Specifications

#### Application Specification

English

#### Application Specification

Japanese

#### Application Specification

English

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### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English

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### Instruction Sheets

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

Japanese

#### Economy Power (EP) Connector

Japanese