

5-1123722-6 ✓ ACTIVE



Economy Power

TE Internal #: 5-1123722-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 6 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0, Economy Power

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

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

### Features

#### Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Number of Positions	6
Number of Rows	1

#### Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	250 VDC

#### Contact Features

Contact Layout	Inline
Contact Current Rating (Max)	8 A



Contact Retention Within Housing	Without
Contact Type	Receptacle

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Strain Relief	Without
Mating Retention	With
Mating Alignment	Without
Mating Retention Type	Latch, Locking Latch
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	3.96 mm [.156 in]
Housing Color	Black
Housing Material	Nylon 66

### Dimensions

Connector Height	10.5 mm [.413 in]
Product Width	13.3 mm [.524 in]
Product Length	23.7 mm [.933 in]
Compatible Insulation Diameter Range	1.7 – 3 mm [.067 – .118 in]

### Usage Conditions

Operating Temperature Range	-25 – 105 °C [-13 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

### Packaging Features

Packaging Quantity	1200
Packaging Method	Bag

### Product Compliance

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

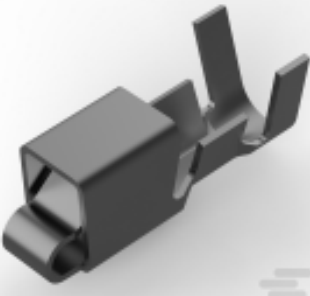
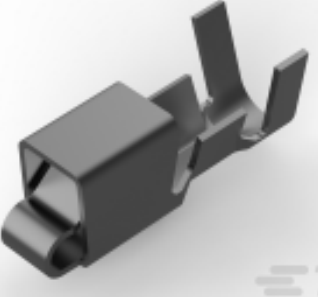
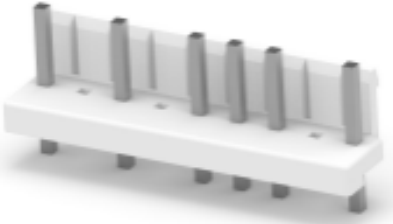
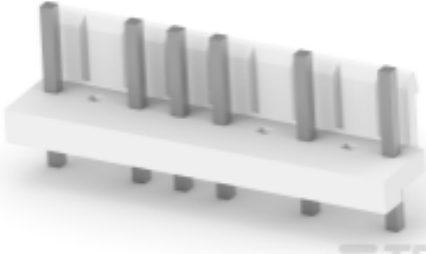


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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

 <p>TE Part # 1318912-1 EP CONN LP REC</p>	 <p>TE Part # 1744416-6 6 POS EP II HSG, GLOW WIRE</p>	 <p>TE Part # 2-1744036-6 06P ECONOMY POWER .200 CL HSG</p>	 <p>TE Part # 1123721-2 ECONOMY POWER CONN REC CONT</p>
 <p>TE Part # 5-1123723-6 3.96 EP HDR ASSY 6P(BLACK)</p>	 <p>TE Part # 1123721-1 EP CONN. REC CONTACT</p>	 <p>TE Part # 1-1473978-6 EP CONN HDR ASSY 6/9P SPECIAL</p>	 <p>TE Part # 1-1565037-6 EP CONN HDR ASSY 6/9P SPECIAL</p>



TE Part # 1-1612911-0  
EP CONN HDR ASSY 3.96/7.92MM P



TE Part # 1-1612911-6  
3.96/7.92 EP CONN. HDR ASS'Y 6/10P



TE Part # 1744496-6  
06P EP-II HOUSING, BLUE



TE Part # 2-1473978-6  
EP CONN.HDR ASSY 6/9P NATURAL (NO.3,6,8)



TE Part # 5-1744106-7  
EP HDR ASSY 6P,black



TE Part # 5-1744106-8  
EP HDR ASSY 6P omit 5,black



TE Part # 8-1565036-6  
EP CONN.HDR ASSY 6/7POS SPECIA



TE Part # 5-1744106-2  
3.96 EPHDR ASSY 6P OMIT #3&5 PIN

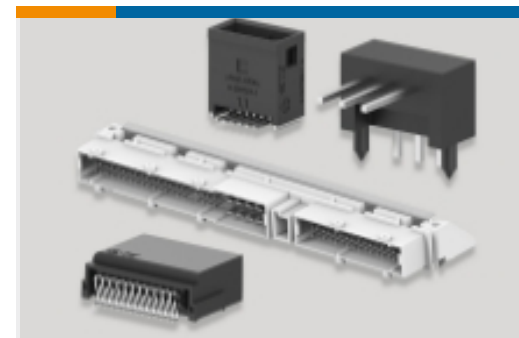
## Also in the Series | Economy Power



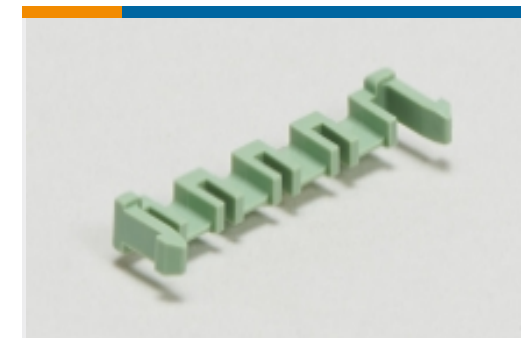
Connector Contacts(1)



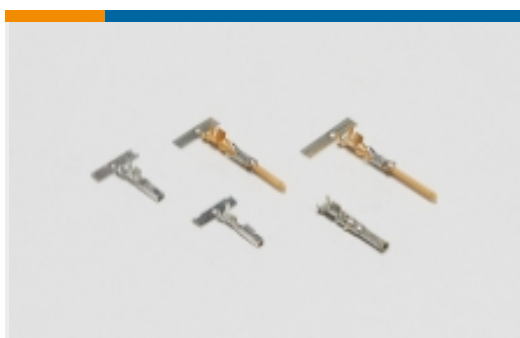
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(162)



PCB Latches, Locks & Retainers(2)



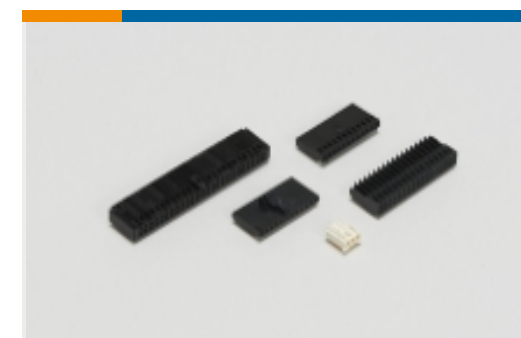
Power Contacts(8)



Rectangular Connector Housings(1)



Rectangular Power Connectors(302)

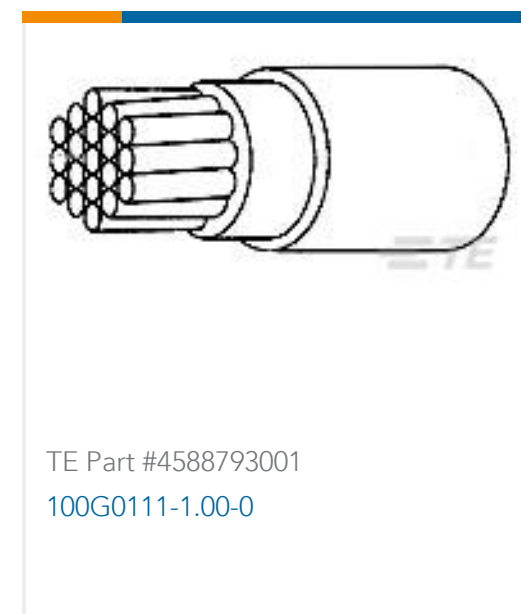


Wire-to-Board Connector Assemblies & Housings(142)



Wire-to-Board Connector Contacts(6)

## Customers Also Bought



## Documents

### Product Drawings

#### 3.96 EP PLUG HSG 6P(BLACK)

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-1123722-6\\_N.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-1123722-6\\_N.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-1123722-6\\_N.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

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

English

### Product Specifications

#### Application Specification

English

### 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