

5-1123722-7 ✓ ACTIVE

Economy Power

TE Internal #: 5-1123722-7

Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 7 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: **7**

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 | 7 |
| 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 |
|------------------------------------|-------|

### 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                       | 27.66 mm [1.089 in]         |
| Compatible Insulation Diameter Range | 1.7 - 3 mm [.067 - .118 in] |

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -25 - 105 °C [-13 - 221 °F] |
|-----------------------------|-----------------------------|

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Industry Standards

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

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1100 |
| Packaging Method   | Bag  |

### Product Compliance

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

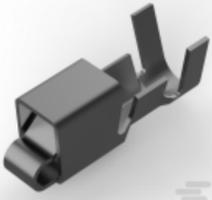
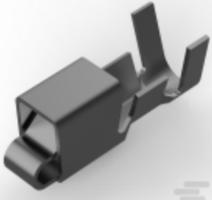
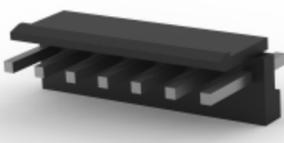
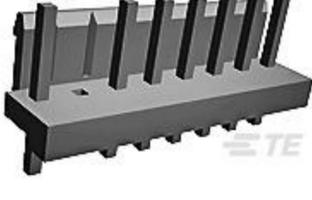
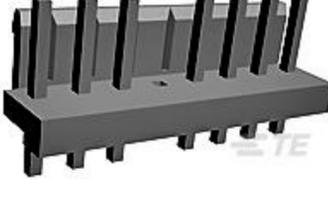


|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>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<br/>EP CONN LP REC</p>       |  <p>TE Part # 1744416-7<br/>7 POS EP II HSG, GLOW WIRE</p>       |  <p>TE Part # 1123721-2<br/>ECONOMY POWER CONN REC CONT</p>               |  <p>TE Part # 5-1123723-7<br/>3.96 EP HDR ASSY 7P(BLACK)</p>               |
|  <p>TE Part # 1123721-1<br/>EP CONN. REC CONTACT</p> |  <p>TE Part # 5-1565036-7<br/>EP CONN.HDR ASSY 7/8POS SPECIA</p> |  <p>TE Part # 5-1744107-5<br/>EP HDR ASSY 7P omit 2&amp;4&amp;6,black</p> |  <p>TE Part # 6-1565036-7<br/>EP CONN. HDR ASSY 7/8P SPECIAL (NO.4 POS</p> |



## Also in the Series | Economy Power



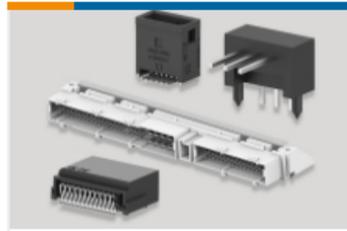
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(399)



Rectangular Connector Housings(1)



Rectangular Power Connectors(64)

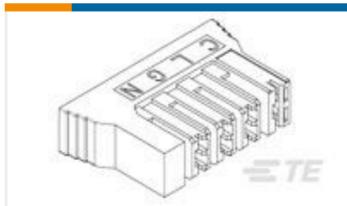


Wire-to-Board Connector Assemblies & Housings(142)

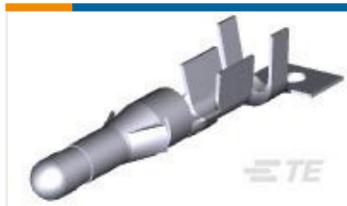
## Customers Also Bought



TE Part # 5-1971773-3  
PTL 1X3 PLUG HSG HIGH TEMP KEY A LGR



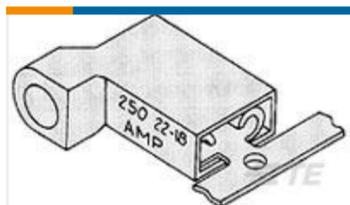
TE Part # 521781-1  
250 HSG. PL MKIII REC. 6.81mm 4P NAT



TE Part # 350416-1  
.093 COMM P&S PIN 14-20 PTPBR



TE Part # 2-520261-2  
ULTRA-FAST 187 ASY REC 22-18 TPBR



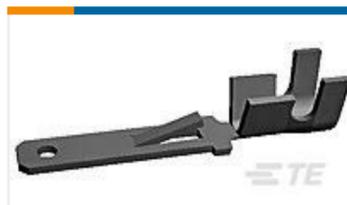
TE Part # 2-520334-2  
ULTRAFAST 187 ASSY FLAG REC 22-18 TPBR



TE Part # 63665-1  
MAG-MATE 187 FAST TAB 020TPBR



TE Part # 63854-2  
250 PL MKIII REC. 18-14AWG TPBR



TE Part # 62553-3  
FF 250 TAB 22-18AWG TPBR



TE Part # 1742800-1  
FF 187 TAB 18-14AWG TPBR



TE Part # 1969383-2  
FF 187&250 TAB HSG 9P NYLON NAT



## Documents

### Product Drawings

[3.96 EP PLUG HSG 7P\(BLACK\)](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1123722-7\\_N.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1123722-7\\_N.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1123722-7\\_N.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[1-1773885-9 Economy Power Connectors](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

Japanese

[Economy Power \(EP\) Connector](#)

Japanese

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