



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

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

Features

Product Type Features

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

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 9 |
| Number of Rows      | 1 |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

|                                  |            |
|----------------------------------|------------|
| Contact Layout                   | Inline     |
| Contact Retention Within Housing | Without    |
| Contact Type                     | Receptacle |



Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Strain Relief           | Without                    |
| Mating Alignment Type   | Polarization               |
| Mating Retention        | With                       |
| Mating Alignment        | With                       |
| Panel Mount Feature     | Without                    |
| PCB Mount Retention     | Without                    |
| Mating Retention Type   | Latch, Locking Latch       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Color      | Natural          |
| Housing Material   | Nylon            |

Dimensions

|                  |                   |
|------------------|-------------------|
| Connector Height | 11 mm[.432 in]    |
| Product Length   | 36.2 mm[1.423 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

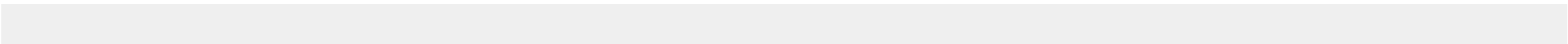
|                        |                           |
|------------------------|---------------------------|
| UL Flammability Rating | UL 94V-0                  |
| Glow Wire Rating       | GWT 750°C (Without Flame) |

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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                    |

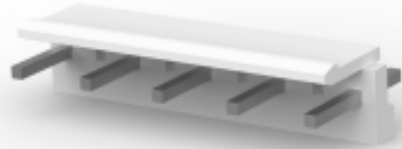
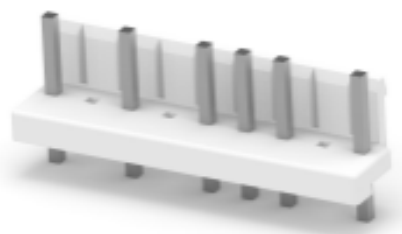
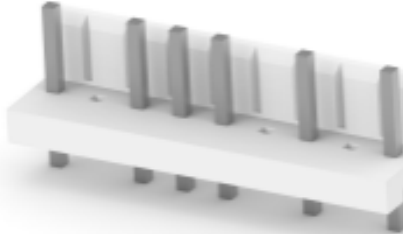
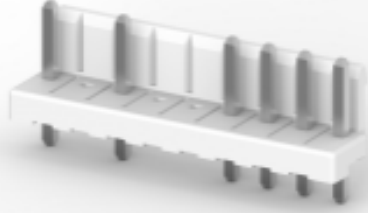
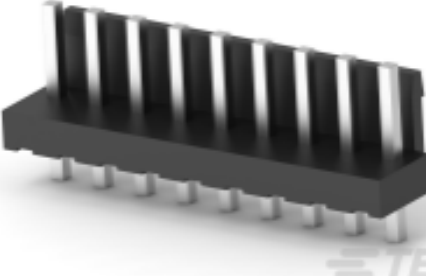
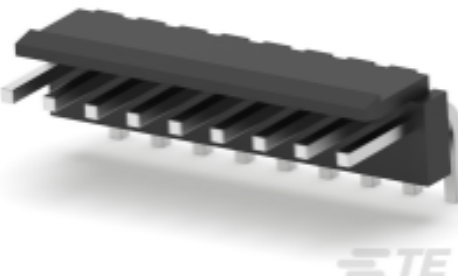
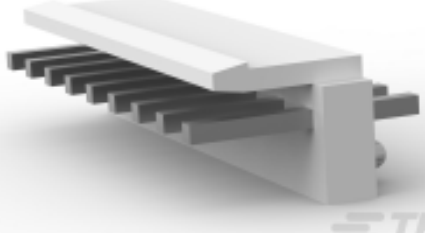
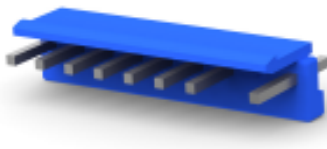
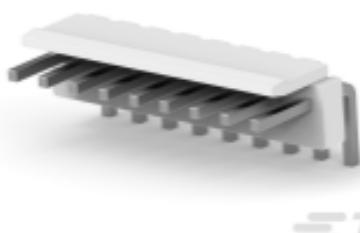
Product Compliance Disclaimer

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>

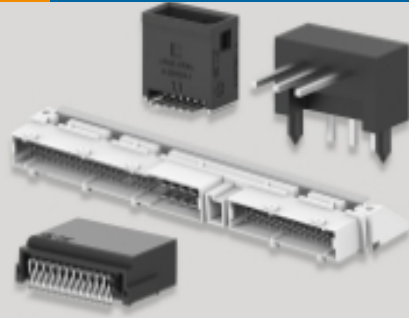
Compatible Parts

|                                                        |                                                            |                                                             |                                                                |
|--------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|
| <br>TE Part # 1877285-9<br>09P EP SHRD HDR ASMY, WHITE | <br>TE Part # 1-1123724-5<br>3.96EP HDR ASSY 5(9)P NATURAL | <br>TE Part # 1744429-9<br>3.96 EP HDR ASSY 9P W/PEGS, GW   | <br>TE Part # 7-1123724-5<br>3.96EP HDR ASSY 5(9)P NATURAL, GW |
| <br>TE Part # 647676-9<br>3.96 EP HDR ASSY 9P R/A      | <br>TE Part # 1744037-9<br>09P EC PWR.200 CL HDR ASSY VRT  | <br>TE Part # 1744427-9<br>EP Header Asy,Shrouded,9 Pos, GW | <br>TE Part # 1-1318300-9<br>3.96 EP HDR ASSY 9P NAT/TUBE      |



|                                                                                                                                                 |                                                                                                                                                      |                                                                                                                                               |                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 1-1318301-5<br>3.96EP HDR ASSY 5(9)P NAT/TUBE    | <br>TE Part # 1-1473978-6<br>EP CONN HDR ASSY 6/9P SPECIAL          | <br>TE Part # 1-1565037-6<br>EP CONN HDR ASSY 6/9P SPECIAL | <br>TE Part # 1-1744498-0<br>10P EP-II HOUSING, BLACK       |
| <br>TE Part # 1-2316952-9<br>3.96 EP HDR ASSY 9P, NO PIN 2,4,5 | <br>TE Part # 1744048-9<br>09P EC PWR.200 CL HDR ASSY RA            | <br>TE Part # 1744055-9<br>3.96 EP HDR ASSY 9P VERT HT     | <br>TE Part # 1744056-9<br>3.96 EP HDR ASSY 9P R/A HT       |
| <br>TE Part # 1744057-9<br>3.96 EP HDR ASSY 9P W/PEGS        | <br>TE Part # 1744109-4<br>3.96 EP Hdr Assy, 9P, Omitted #8, Blue | <br>TE Part # 1744428-9<br>3.96 EP HDR ASSY 9P R/A, GW   | <br>TE Part # 1744489-9<br>3.96 EP HDR ASY 09P NO PEG, GW |

Also in the Series | Economy Power

|                                                                                                                          |                                                                                                                         |                                                                                                                                             |                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <br>Connector Contacts(15)            | <br>Connector Hardware(2)            | <br>Insertion & Extraction Tools(1)                    | <br>PCB Headers & Receptacles(400) |
| <br>Rectangular Connector Housings(1) | <br>Rectangular Power Connectors(64) | <br>Wire-to-Board Connector Assemblies & Housings(142) |                                                                                                                         |

Customers Also Bought



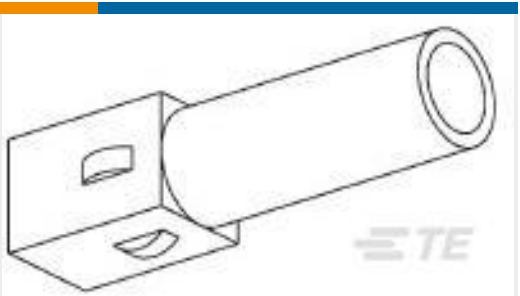
TE Part #1744416-2  
2 POS EP II HSG, GLOW WIRE



TE Part #368572-1  
PDL 3P CAP 3.96 F/H(GWT) NAT



TE Part #1241981-4  
STD TIMER HOUSING 4P (NATURE)



TE Part #1863011-1  
01P UMNL PLUG HSG



TE Part #1241959-5  
STD-TIM HSG MKII 5P



TE Part #2-521229-2  
PL 250 HOUSING RECEPTACLE RED



TE Part #1-1241961-9  
STD TIMER PLUG HSG 3P MK2



TE Part #5-1241961-7  
STD TIMER PLUG HSG 3P MK2

Documents

Product Drawings

9 POS EP II HSG, GLOW WIRE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1744416-9\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744416-9\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744416-9\_E.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

English



Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

VDE Certificate

English