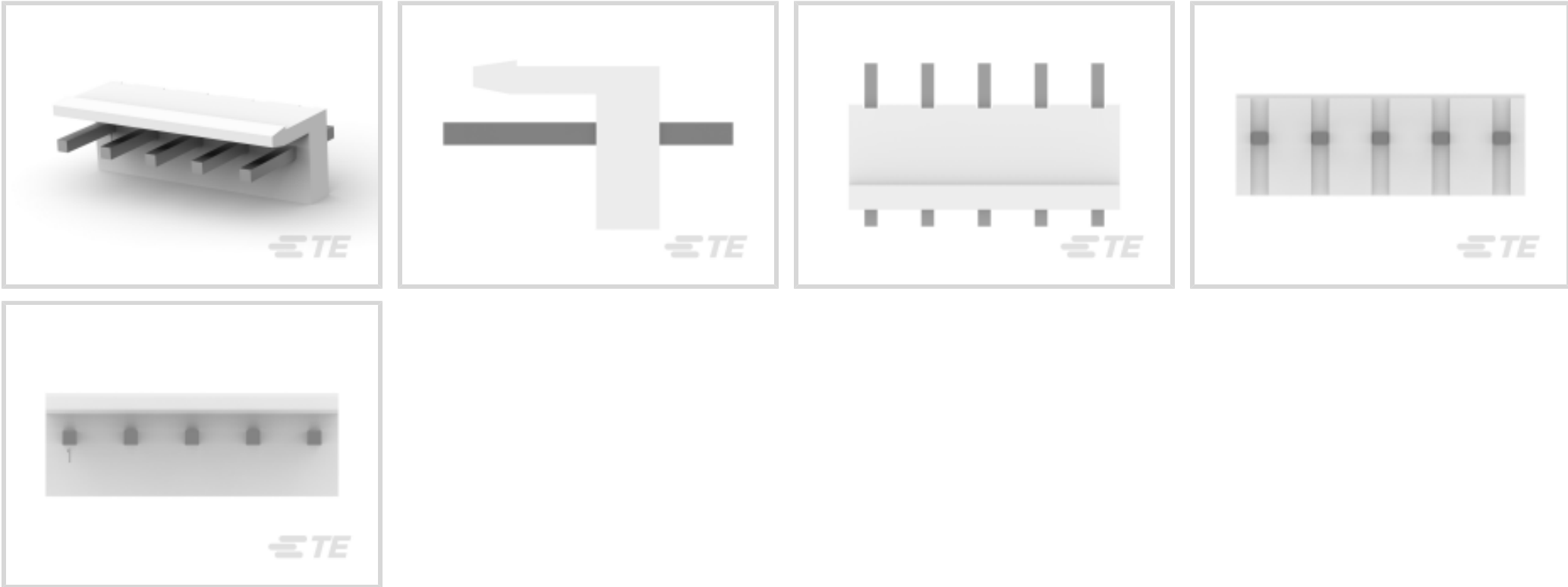




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **5**

Centerline (Pitch): **5.08 mm [.2 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       | 5        |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 5        |
| Number of Rows            | 1        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Contact Features



|                                                         |                                   |
|---------------------------------------------------------|-----------------------------------|
| PCB Contact Termination Area Plating Material Thickness | .8 µm, 1 µm[31.49 µin][39.37 µin] |
| Contact Layout                                          | Inline                            |
| Contact Mating Area Plating Material                    | Tin                               |
| Contact Base Material                                   | Copper Alloy                      |
| 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          | 2.03 µm[80 µin]                   |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 3.7 mm[.146 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Strain Relief           | Without     |
| Mating Retention        | With        |
| Mating Alignment        | With        |
| PCB Mount Alignment     | Without     |
| Panel Mount Feature     | Without     |
| PCB Mount Retention     | Without     |
| Mating Retention Type   | Latch       |
| Connector Mounting Type | Board Mount |

Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 5.08 mm[.2 in] |
| Housing Color      | Natural        |
| Housing Material   | Nylon 66       |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Height            | 10.9 mm[.429 in]  |
| PCB Thickness (Recommended) | .06 mm[1.6 in]    |
| Product Width               | 8.2 mm[.323 in]   |
| Product Length              | 22.92 mm[.902 in] |

Usage Conditions

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



Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

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

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1000 |
| 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                     | Wave solder capable to 240°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 # 1744416-5  
5 POS EP II HSG, GLOW WIRE

TE Part # 1744036-5  
05P ECONOMY POWER .200 CL HSG

TE Part # 1-2316953-4  
04P EP.200 CL HDR ASSY VRT,NO PIN 1,3

TE Part # 1744495-5  
05P EP-II HOUSING, GREEN

TE Part # 2316953-3  
03P EP.200 CL HDR ASSY VRT,NO PIN 2

TE Part # 2316953-4  
04P EP.200 CL HDR ASSY VRT,NO PIN 2,3

Also in the Series | Economy Power

Connector Contacts(15)

Connector Hardware(2)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(162)

Rectangular Connector Housings(1)

Rectangular Power Connectors(301)

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

Customers Also Bought

TE Part # 5-2176070-6  
3521 2K0 1% 2W

TE Part # 215079-6  
MICRO-MATCH FOB.06P

TE Part # 2176117-3  
Metal Chip Resistor: Current Sense

TE Part # 1437566-4  
FSMSMTR=TACT SWITCH



TE Part # 1744037-4  
04P EC PWR.200 CL HDR ASSY VRT



TE Part # 1744037-2  
02P EC PWR.200 CL HDR ASSY VRT



TE Part # 1761685-7  
IDC LOW PRO HDR 20P VERT SHT LAT



TE Part # 2013289-2  
SEMI-HARD TRAY DDR3 204P 5.2H  
STD Au0.25



TE Part # 1879417-3  
CPF0603 620K 0.1% 25PPM 5K RL

Documents

Product Drawings

05P EC PWR.200 CL HDR ASSY VRT

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1744037-5\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744037-5\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744037-5\_O.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

Application Specification

Japanese

1744037-5

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 5.08 mm [.2 in] Centerline, Printed Circuit Board, UL 94V-0, Economy Power

