



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: **4**

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

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Header Type                       | Unshrouded            |
| 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       | 4        |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 4        |
| Number of Rows            | 1        |

Electrical Characteristics

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

Contact Features



|                                                |                  |
|------------------------------------------------|------------------|
| Contact Layout                                 | Inline           |
| Contact Base Material                          | Brass            |
| Contact Current Rating (Max)                   | 8 A              |
| Contact Retention Within Housing               | Without          |
| Contact Type                                   | Tab              |
| PCB Contact Termination Area Plating Material  | Tin              |
| Contact Mating Area Plating Material           | Tin              |
| Contact Mating Area Plating Material Thickness | 31.49 μm[.8 μin] |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 1.16 mm[.026 in]      |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions

|        |                   |
|--------|-------------------|
| Height | 8.5 mm[.335 in]   |
| Length | 15.78 mm[.621 in] |
| Width  | 11.18 mm[.44 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 Method | Bag |
|------------------|-----|

Product Compliance

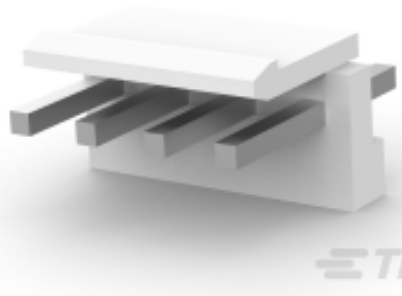
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                  |

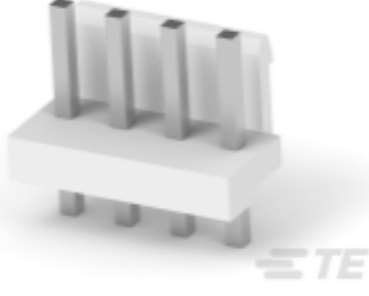
Product Compliance Disclaimer

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



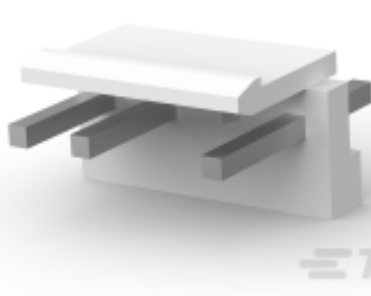
TE Part # 1-1123723-4  
3.96 EP HDR ASSY 4P(NATURAL)



TE Part # 1-1318300-4  
3.96 EP HDR ASSY 4P NAT/TUBE



TE Part # 1744416-4  
4 POS EP II HSG, GLOW WIRE



TE Part # 2-1473059-3  
EP CONN.HDR ASSY 3/4P NATURAL (NO.3 POST)



TE Part # 5-1123723-4  
3.96 EP HDR ASSY 4P(BLACK)

TE Part # 6-1123723-4  
3.96 EP HDR ASSY 4P(GREEN)

TE Part # 1-1473059-3  
EP CONN POST HDR 3/4P

TE Part # 1-1717011-1  
EP CONN.HDR ASSY 4/5POS (NATURAL GWT)

TE Part # 1-1565033-2  
EP CONN HDR ASSY 2/4P SPECIAL

TE Part # 1-1473057-2  
EP CONN HDR 2/4P

TE Part # 1744494-4  
04P EP-II HOUSING, YELLOW

TE Part # 2316952-4  
3.96 EP HDR ASSY 4P, NO PIN 2,3

Also in the Series | Economy Power

Connector Contacts(1)

Insertion & Extraction Tools(1)

PCB Latches, Locks & Retainers(2)

Power Contacts(5)

Rectangular Connector Housings(1)

Rectangular Power Connectors(260)

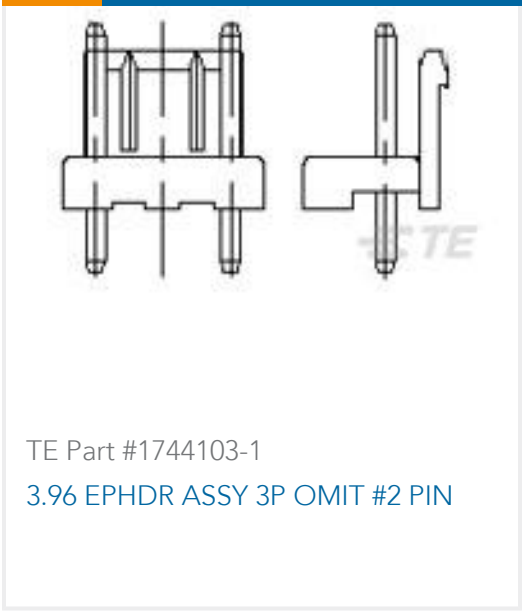
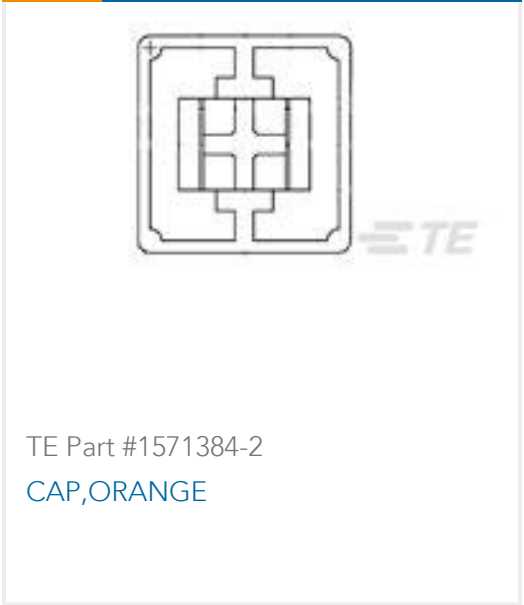
Wire-to-Board Connector Assemblies & Housings(41)

Wire-to-Board Connector Contacts(6)

Wire-to-Board Headers & Receptacles (162)

Customers Also Bought



|                                                                                                                                                         |                                                                                                                                                  |                                                                                                                                                            |                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part #1721083-1<br/>STD OEG Miniature PCB OJ/OJE Pow Relays</p> |  <p>TE Part #1721766-5<br/>PCFN SOLAR RELAY</p>                |  <p>TE Part #1969590-3<br/>HSG, REC, PANEL MOUNT, SINGLE ROW, EP2.5</p> |  <p>TE Part #1-2232979-4<br/>SGI2.0 PLUG ASSEMBLY 4P, KEY A, NTL</p> |
|  <p>TE Part #1-2300178-0<br/>EP2.5 HDR ASSY 10P VERT W/ BOSS, RED</p> |  <p>TE Part #1744103-1<br/>3.96 EPHDR ASSY 3P OMIT #2 PIN</p> |  <p>TE Part #1744487-8<br/>08P EP SHRD HDR ASMY, GREY</p>              |  <p>TE Part #2297440-3<br/>MMF, FREE HANGING, PLUG HOUSING</p>      |
|  <p>TE Part #8-1971794-1<br/>NEW GI CONN2.5 TPA 8P BLACK</p>         |  <p>TE Part #1571384-2<br/>CAP, ORANGE</p>                   |                                                                                                                                                            |                                                                                                                                                         |

Documents

Product Drawings

04P EP HDR HSG V0 GWT NO 0203P

English

04P EP HDR HSG V0 GWT NO 0203P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_7-1565033-2\_AF.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-1565033-2\_AF.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-1565033-2\_AF.3d\_stp.zip

English

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



Datasheets & Catalog Pages

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD\_7-1565033-2\_06212017640\_dmtec

English

MD\_7-1565033-2\_06212017640\_dmtec

English