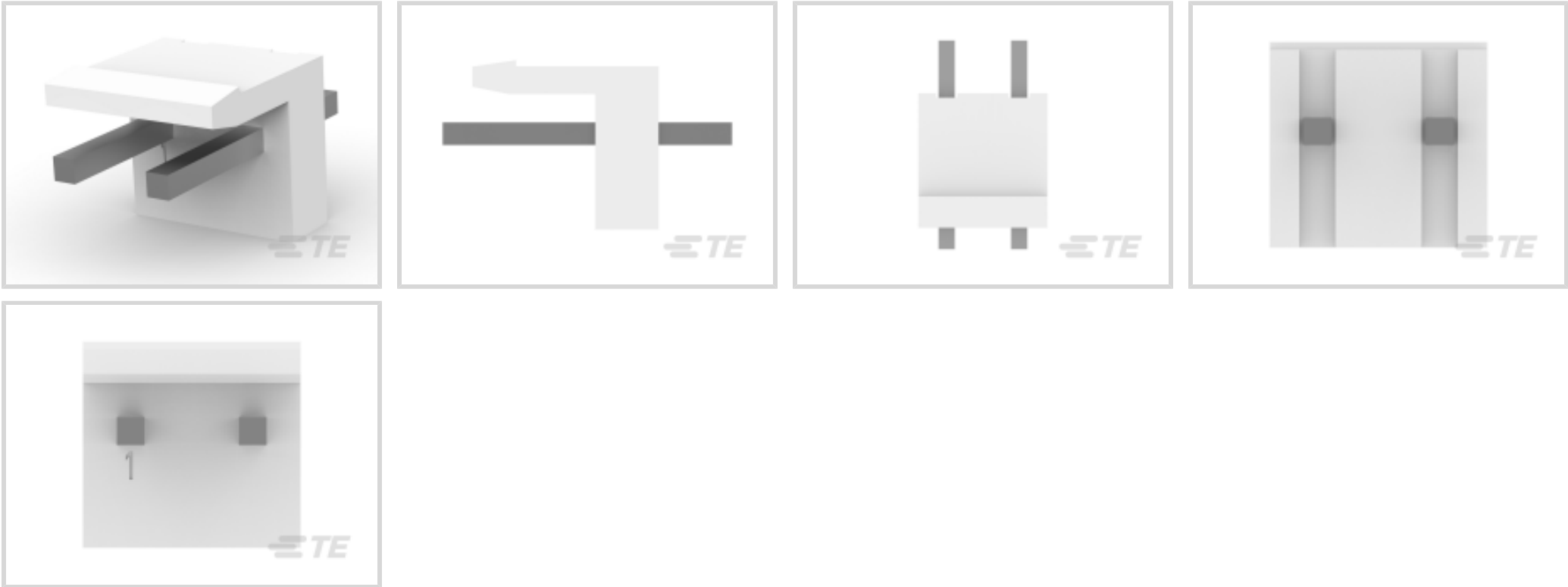




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector Shape                   | Rectangular           |
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Partially Shrouded    |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                            |          |
|----------------------------|----------|
| Number of Loaded Positions | 2        |
| Number of Power Positions  | 2        |
| PCB Mount Orientation      | Vertical |
| Number of Positions        | 2        |
| Number of Rows             | 1        |

Electrical Characteristics



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

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
| Contact Underplating Material                           | Nickel           |
| Contact Underplating Material Thickness                 | 1 µm[39.37 µin]  |
| Contact Mating Area Plating Material Thickness          | 3 µm[118.11 µin] |
| PCB Contact Termination Area Plating Material Thickness | 3 µm[118.11 µin] |
| Contact Shape & Form                                    | Square           |
| Contact Layout                                          | Inline           |
| Contact Mating Area Length                              | 7.7 mm[.303 in]  |
| Contact Base Material                                   | Copper Alloy     |
| PCB Contact Termination Area Plating Material           | Tin              |
| Contact Mating Area Plating Material                    | Tin (Sn)         |
| Contact Type                                            | Tab              |
| Contact Current Rating (Max)                            | 8 A              |

Termination Features

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

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Panel Mount Feature     | Without     |
| Mating Retention Type   | Locking Tab |
| Mating Retention        | With        |
| PCB Mount Retention     | Without     |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | Without     |

Housing Features

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

Dimensions

|                 |                  |
|-----------------|------------------|
| Connector Width | 8.52 mm[.335 in] |
|-----------------|------------------|



|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height            | 9.4 mm[.37 in]  |
| Connector Length            | 9.04 mm[.35 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |

Operation/Application

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

Industry Standards

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

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 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<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 # 1-2316953-4  
04P EP.200 CL HDR ASSY VRT,NO PIN 1,3



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



TE Part # 1744036-2  
02P ECONOMY POWER .200 CL HSG



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



TE Part # 2108744-1  
POWER 2P HDR ASSY L/PRO NAT

Also in the Series | Economy Power



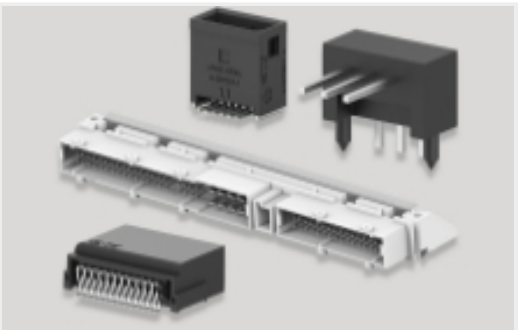
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



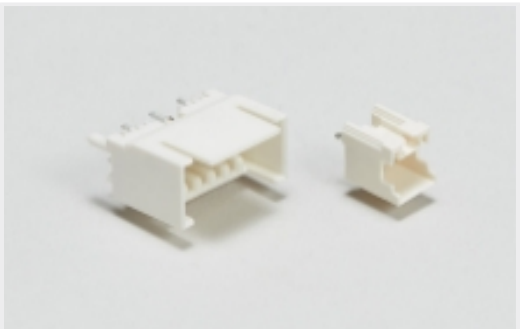
PCB Headers & Receptacles(402)



Power Contacts(9)



Rectangular Power Connectors(460)



Wire-to-Board Headers & Receptacles (402)

Customers Also Bought



TE Part #5556591-1  
MJ,LPF,R/A,8P/8C,SHLD,KEYEDP

TE Part #1744048-2  
02P EC PWR.200 CL HDR ASSY RA

TE Part #9-2176422-0  
TLRP 2512 3.0W R050 1% 75PPM 4K RL

TE Part #1735447-8  
HPI 2.0 RECEPTACLE HOUSING, 8P

TE Part #4515DO-DS5BS002DS  
2IN PCB MOUNT SPI DIFF PRESSURE SENSOR

TE Part #9-1879507-9  
CRGH0603 1% 120R 0.2W

TE Part #2-1419129-5  
OJ-SS-112LMH,000

TE Part #1-1775365-4  
MOD JACK, RJ45, SHIELD,50u" Au, L=2.05mm

TE Part #5787082-3  
28 50SR R/A RCPT ASSY,RDSN L/F

TE Part #9-2176070-7  
3521 100K 1% 2W

Documents

Product Drawings

02P EC PWR.200 CL HDR ASSY VRT

English

CAD Files

3D PDF

3D

Customer View Model

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

English

Customer View Model

ENG\_CVM\_CVM\_1744037-2\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744037-2\_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

Japanese

Application Specification

English

Agency Approvals

VDE Certificate

English