



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

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 | 4        |
| Number of Power Positions  | 4        |
| PCB Mount Orientation      | Vertical |
| Number of Positions        | 4        |
| 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 Layout                                          | Inline           |
| Contact Mating Area Length                              | 7.7 mm[.303 in]  |
| Contact Base Material                                   | Brass            |
| 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 | 3.69 mm[.145 in]      |
| Termination Method to PCB      | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

|                    |                  |
|--------------------|------------------|
| Housing Material   | Nylon 66         |
| Centerline (Pitch) | 3.96 mm[.156 in] |

Dimensions

|                 |                 |
|-----------------|-----------------|
| Connector Width | 8.6 mm[.339 in] |
|-----------------|-----------------|



|                             |                   |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in]   |
| Connector Height            | 9.4 mm[.37 in]    |
| Connector Length            | 15.84 mm[.624 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   | Package |

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                   | Out of Scope                                                                                                                  |
| 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: JAN 2025 (247)<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 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 # 4-1744057-3  
3.96 EP HDR ASSY 3P W/PEGS,YEL

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

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

TE Part # 1744544-4  
EP II TPA 04P, BLACK

TE Part # 2154828-3  
Cable Assembly EP II 4 Pos

TE Part # 2132781-4  
04P EP-II HOUSING, NATURAL

Also in the Series | Economy Power

Connector Contacts(15)

Connector Hardware(2)

Insertion & Extraction Tools(1)

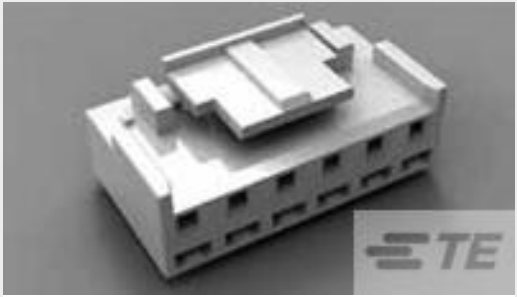
PCB Headers & Receptacles(402)

Power Contacts(9)

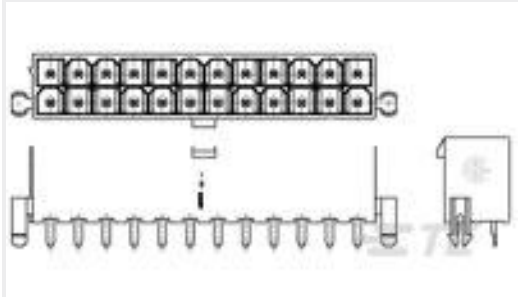
Rectangular Power Connectors(460)

Wire-to-Board Headers & Receptacles (402)

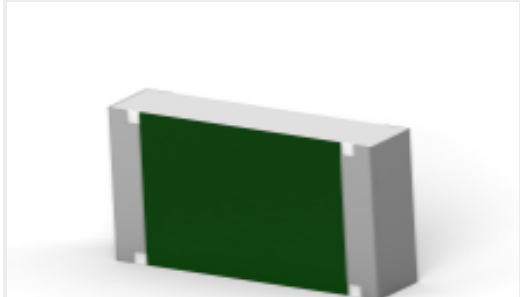
Customers Also Bought



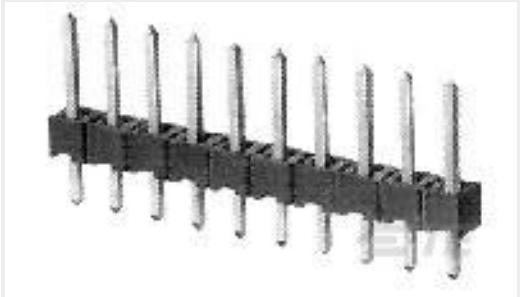
TE Part #1-1123722-4  
3.96 EP PLUG HSG 4P(NATURAL)



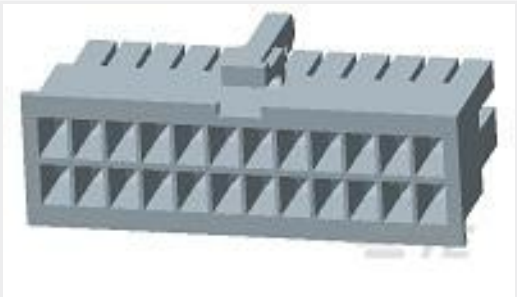
TE Part #2029265-2  
2P VAL-U-LOK VRTHDR W/PGS GW



TE Part #3-2176398-0  
3502 220K 1%



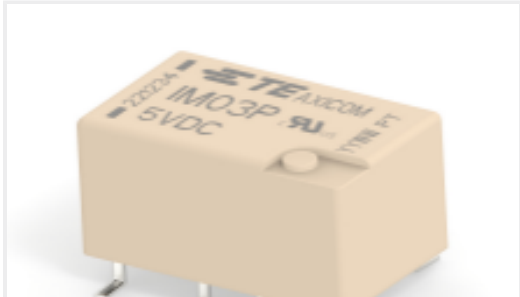
TE Part #826629-4  
4P AMPMODU II PIN HSG



TE Part #1-1969614-4  
14P RCPT VAL-U-LOK V0



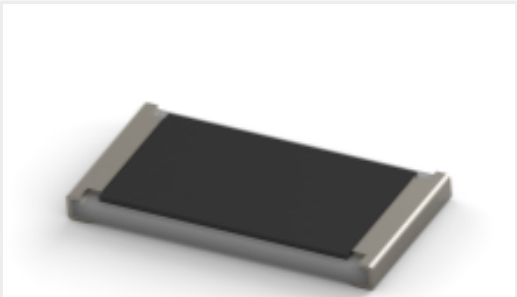
TE Part #4-1879022-3  
SMF3 18K 5%



TE Part #5-1462039-5  
IM03PGR=IM RELAY 140mW 5V



TE Part #7-2176370-5  
RQ 0603 2K55 0.1% 10PPM 5K RL



TE Part #CAT-C339-A76A  
SMD Power Resistor: 2 Watt, 3521 Series

Documents

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1744057-4\_C.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1744057-4\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744057-4\_C.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

7-1773458-5 ECONOMY\_POWER\_QRG

English



Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English