# 1744428-3 ✔ ACTIVE

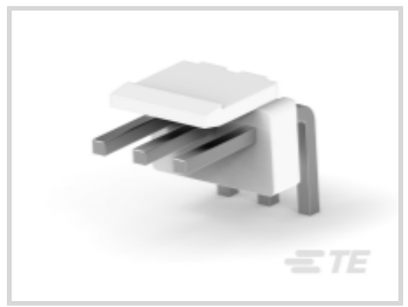
Economy Power

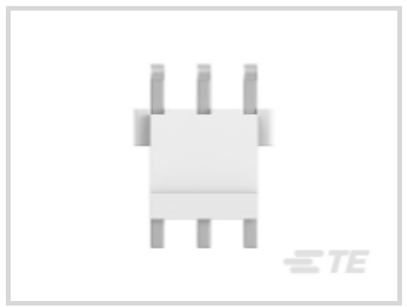
TE Internal #: 1744428-3

PCB Mount Header, Right Angle, Wire-to-Board, 3 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Economy Power

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **3**

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

## 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 | 3 |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 3 |
| Number of Rows | 1 |
| Number of Power Positions | 3 |

### Electrical Characteristics

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

## Body Features

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

## Contact Features

| | |
|---|---|
| Contact Size | 1.14mm |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material Thickness | 2 µm[80 µin] |
| Contact Layout | Inline |
| Contact Mating Area Length | 8.6 mm[.339 in] |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Mating Area Plating Material Thickness | 2 µm[80 µin] |
| Contact Type | Tab |
| Contact Current Rating (Max) | 8 A |
| PCB Contact Termination Area Plating Material | Tin |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 3.6 mm[.141 in] |
| Square Termination Post & Tail Dimension | 1.14 mm[.045 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Width | 9.4 mm[.37 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |

| | |
|---|---|
| Connector Height | 8.21 mm[.323 in] |
| Connector Length | 11.88 mm[.468 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

| | |
|---|---|
| Compatible With Agency/Standards Products | UL |
| UL Rating | Recognized |
| Compatible With Approved Standards Products | UL E28476 |
| Glow Wire Rating | GWT 750°C (Without Flame) |
| 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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

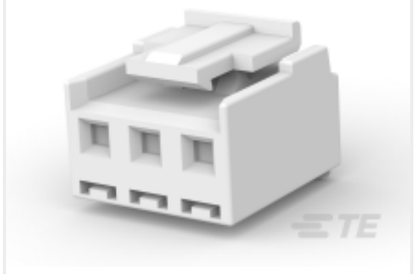
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-1123722-3
3.96 EP PLUG HSG 3P(NATURAL)



TE Part # 1744416-3
3 POS EP II HSG, GLOW WIRE



TE Part # 1744493-3
03P EP-II HOUSING, ORANGE

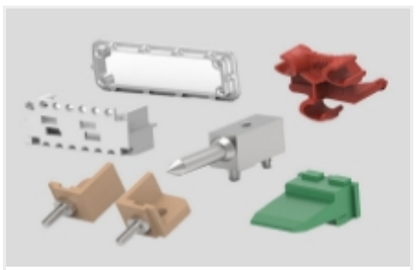


TE Part # 1744544-3
EP II TPA 03P, BLACK

## Also in the Series | Economy Power



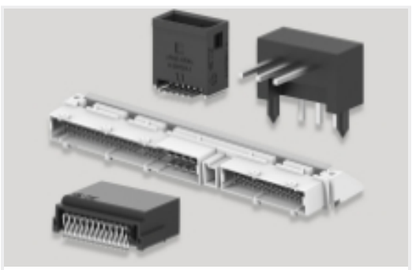
Connector Contacts(13)



Connector Hardware(2)



Insertion & Extraction Tools(1)



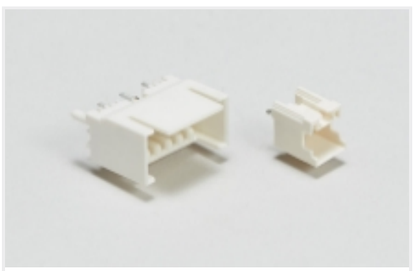
PCB Headers & Receptacles(463)



Power Contacts(7)



Rectangular Power Connectors(547)



Wire-to-Board Headers & Receptacles (463)

## Customers Also Bought



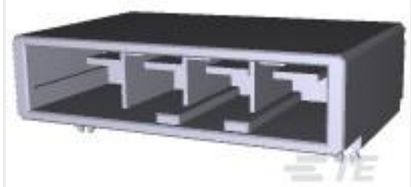
TE Part #801892-SF
FN9222-10-07



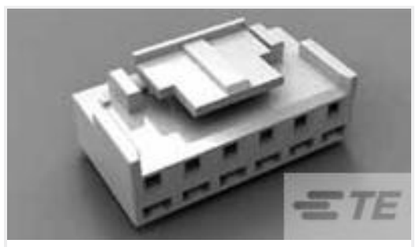
TE Part #8-188275-0
MICRO-MATCH SMD FTE



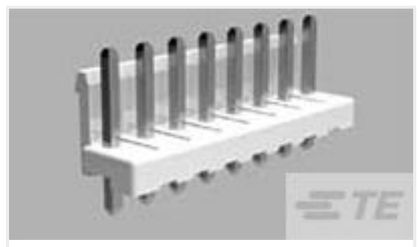
TE Part #CAT-104MTA-PRUSH
PCB Header: Polyester, Right Angle, Unshrouded



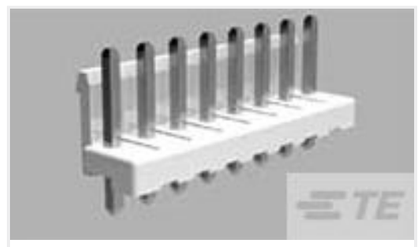
TE Part #1-917541-2
DYNAMIC D-5 S/ROW HDR ASY 4P H



TE Part #1-1123722-6
3.96 EP PLUG HSG 6P(NATURAL)



TE Part #1-1123723-3
3.96 EP HDR ASSY 3P(NATURAL)



TE Part #1-1123723-6
3.96 EP HDR ASSY 6P(NATURAL)



TE Part #9-1393222-1
V23061B1005A301=MINISTARKSTROM




TE Part #L9000014-01
Antenna Chip T&R 2.45GHz SMT

## Documents

### Product Drawings

3.96 EP HDR ASSY 3P R/A, GW

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744428-3_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744428-3_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744428-3_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

7-1773458-5_ECONOMY_POWER_QRG

English

## Product Specifications

### Application Specification

Japanese

### Application Specification

English

## Agency Approvals

### VDE Certificate

English