# 4-1123723-2 ✔ ACTIVE

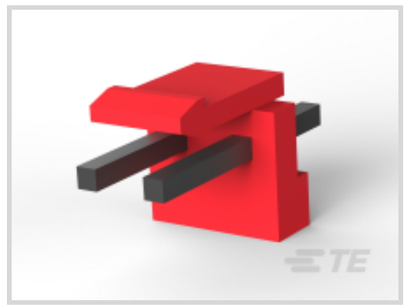
Economy Power

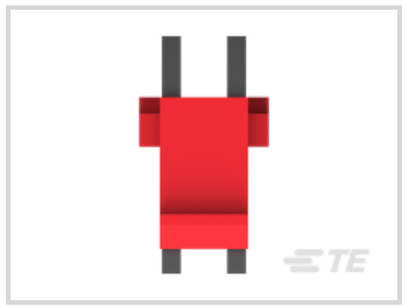
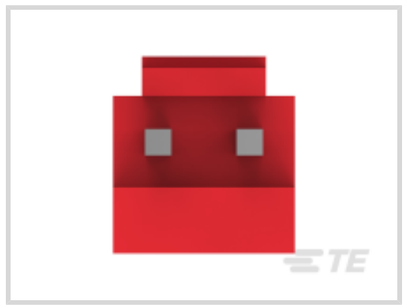
TE Internal #: 4-1123723-2

PCB Mount Header, Vertical, Wire-to-Board, 2 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: **Vertical**

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

Number of Positions: **2**

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

### Electrical Characteristics

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

## Body Features

| | |
|---|---|
| Connector Profile | Low |
| Primary Product Color | Red |

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | .8 – 1.8 µm[31.5 – 70.86 µin] |
| Contact Size | 1.14mm |
| PCB Contact Termination Area Plating Material Thickness | 1 µm[39.37 µin] |
| Contact Shape & Form | Square |
| Contact Layout | Inline |
| Contact Mating Area Length | 7.7 mm[.303 in] |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Mating Area Plating Material Thickness | 1 µm[39.37 µin] |
| Contact Type | Tab |
| Contact Current Rating (Max) | 8 A |
| PCB Contact Termination Area Plating Material | Tin |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 3.7 mm[.146 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 |
| Mating Alignment Type | Polarization |
| PCB Mount Alignment | Without |
| Mating Retention | With |
| PCB Mount Retention | Without |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

## Housing Features

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

| | |
|---|---|
| Housing Material | PBT GF |

## Dimensions

| | |
|---|---|
| Connector Width | 8.5 mm[.334 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height | 9.2 mm[.36 in] |
| Connector Length | 7.86 mm[.309 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

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 6000 |
| Packaging Method | Bag |

# Product Compliance

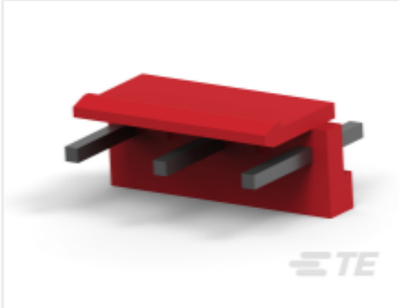
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 | Pin-in-Paste capable to 260°C |

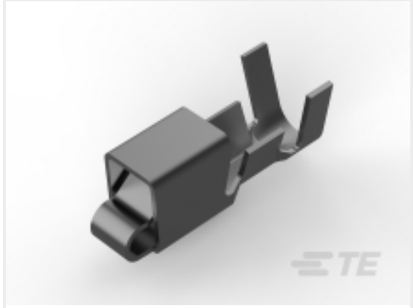
Product Compliance Disclaimer

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

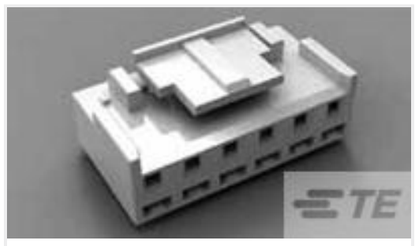
## Compatible Parts



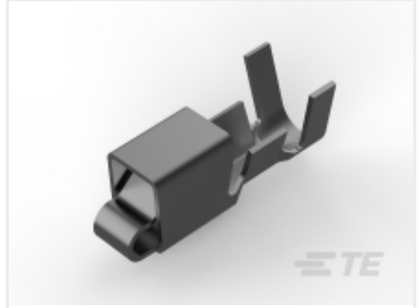
TE Part # 8-1123724-3
3.96EP HDR ASSY 5P,NO 2,4PIN, RED



TE Part # 1123721-2
ECONOMY POWER CONN REC CONT



TE Part # 4-1123722-2
3.96 EP PLUG HSG 2P(RED)

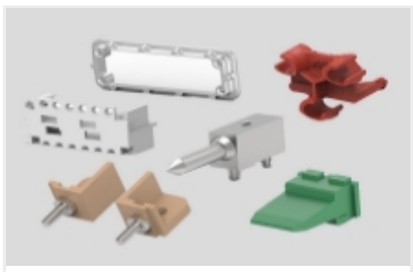


TE Part # 1123721-1
EP CONN. REC CONTACT

## Also in the Series | Economy Power



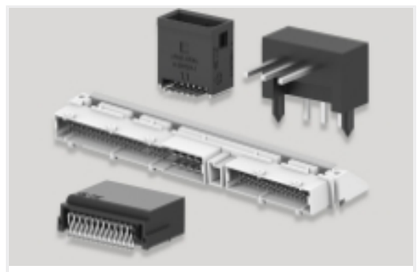
Connector Contacts(13)



Connector Hardware(2)



Insertion & Extraction Tools(1)



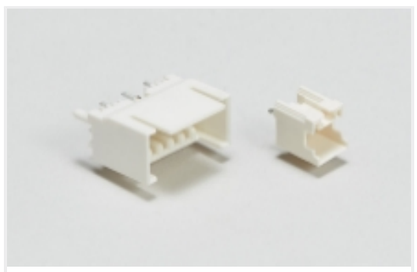
PCB Headers & Receptacles(463)



Power Contacts(7)



Rectangular Power Connectors(547)



Wire-to-Board Headers & Receptacles (463)

## Customers Also Bought



TE Part #524233-E
SRCA 6,20 5 M * SMD 137 E-HD 205 * * * J



TE Part #826467-8
8P MOD II SHROUDED HEADER, ST



TE Part #1623773-7
C10 100R 5% (LOOSE)



TE Part #8-1879061-1
CPF 0402 22K 0.1% 25PPM 5K RL



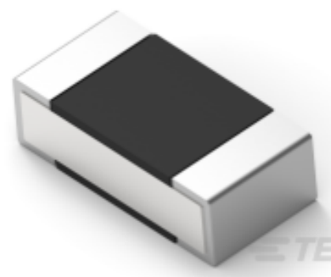
TE Part #8-1879208-5
CPF 0402 33K 0.1% 25PPM 1K RL



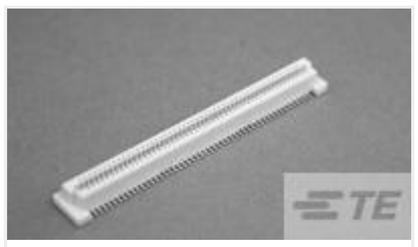
TE Part #3-1879216-1
CPF0402 130K 0.1% 25PPM 1K RL



TE Part #3-1879216-4
CPF0402 180K 0.1% 25PPM 1K RL



TE Part #5-2176307-9
RP 1E 0.1W 49K9 0.1% 25PPM 5K RL



TE Part #5177985-3
0.8FH,R05H.5,080,08/Sn,TR,SC



TE Part #5767171-1
MICTOR RECEPT ASSY, 38 POS. TA

## Documents

### Product Drawings

3.96 EP HDR ASSY 2P(RED)

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1123723-2_AD_c-4-1123723-2-ad.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-1123723-2_AD_c-4-1123723-2-ad.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1123723-2_AD_c-4-1123723-2-ad.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Datasheets & Catalog Pages

7-1773458-5_ECONOMY_POWER_QRG

English

## Product Specifications

### Application Specification

Japanese

### Application Specification

English

### Application Specification

English

## Instruction Sheets

### Instruction Sheet (non U.S.)

Japanese

### Economy Power (EP) Connector

Japanese

## Agency Approvals

### VDE Certificate

English