# 5-1123723-4 ✔ ACTIVE

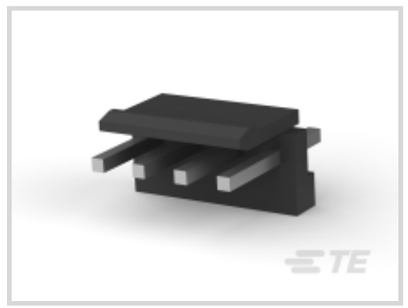
Economy Power

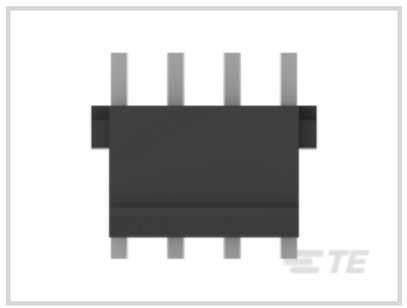
TE Internal #: 5-1123723-4

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Economy Power

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

Number of Positions: **4**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Power Positions | 4 |
| Number of Loaded Positions | 4 |
| Number of Positions | 4 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VAC |

## Body Features

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

## Contact Features

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

## Termination Features

| | |
|---|---|
| Square Termination Post & Tail Dimension | 1.14 mm[.045 in] |
| Termination Post & Tail Length | 3.7 mm[.146 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Length | 15.78 mm[.621 in] |
| Connector Height | 9.2 mm[.36 in] |
| Connector Width | 8.5 mm[.334 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 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 | 2500 |
| Packaging Method | Bag |

# Product Compliance

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

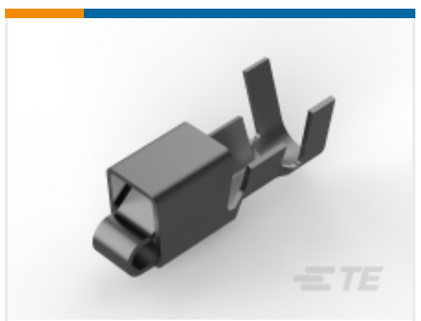
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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

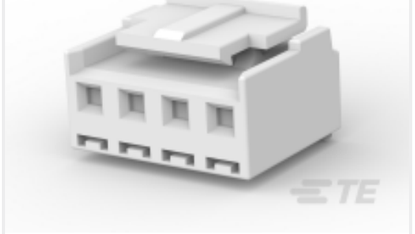
## Compatible Parts



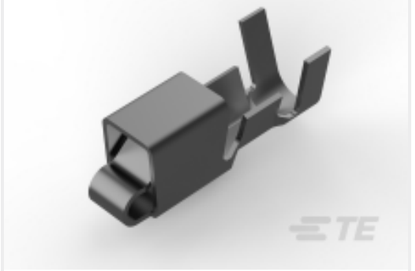
TE Part # 1123721-2
ECONOMY POWER CONN REC CONT



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



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



TE Part # 1123721-1
EP CONN. REC CONTACT



TE Part # 5-1123722-4
3.96 EP PLUG HSG 4P(BLACK)



TE Part # 7-1565033-2
04P EP HDR HSG V0 GWT NO 0203P

## Also in the Series | Economy Power



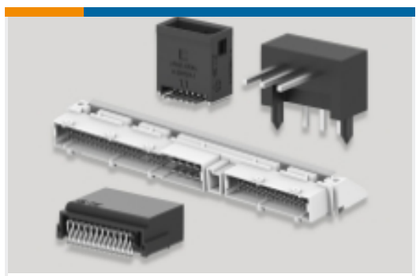
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(400)



Rectangular Connector Housings(1)

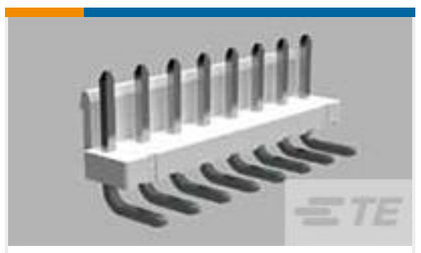


Rectangular Power Connectors(64)

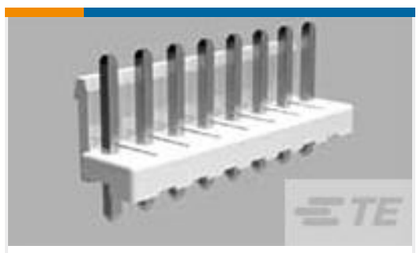


Wire-to-Board Connector Assemblies & Housings(142)

## Customers Also Bought



TE Part #647676-2
3.96 EP HDR ASSY 2P R/A



TE Part #5-1123723-3
3.96 EP HDR ASSY 3P(BLACK)

## Documents

### Product Drawings

3.96 EP HDR ASSY 4P(BLACK)

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1123723-4_AD_c-5-1123723-4-ad.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1123723-4_AD_c-5-1123723-4-ad.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1123723-4_AD_c-5-1123723-4-ad.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

Application Specification

English

### Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

## Agency Approvals

VDE Certificate

English

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## TE Connectivity:

2380312-2 1903112-2 2310537-1 3430B2F51RTDF 917696-1 175977-2 RH73H2A40MKTN SBCHE64R7K SMW73R0JT 1743455-2 1969656-1 3-1393225-0 936348-1 CRGCQ2010J3K3 2834055-1 1393431-1 CPF0402B37K4E1 ROX05SJ18R SBCHE154R7K 3631B101LL 650075-000 2377783-2 1-794222-0 141991-2 2-292161-3 MPT100C18RF U5254-000005-030PA 1-962915-1 2005330-1 TE50BR39J