# 2316952-9 ✔ ACTIVE

**Economy Power**

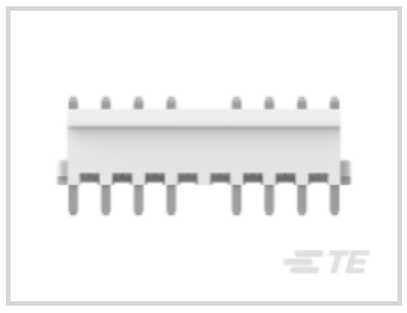
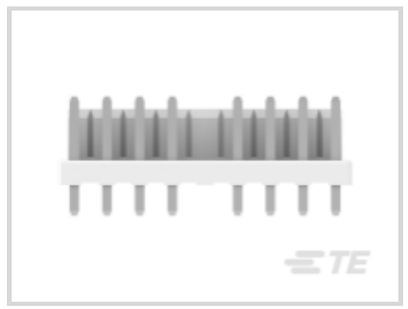
TE Internal #: 2316952-9

PCB Mount Header, Vertical, Wire-to-Board, 9 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: **9**

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 | 8 |
| PCB Mount Orientation | Vertical |
| Number of Positions | 9 |
| Number of Rows | 1 |
| Number of Power Positions | 9 |

### Electrical Characteristics

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

## Body Features

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

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | .8 – 1.8 µm[31.5 – 70.86 µin] |
| Contact Size | 1.14mm |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material Thickness | 1 µm[39.37 µin] |
| Contact Layout | Inline |
| 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 |

## 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 | 35.58 mm[1.4 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 | 700 |
| Packaging Method | Bag |

## Other

| | |
|---|---|
| Position Locations Omitted | 5 |
| Number of Blocked Positions | 1 |

# 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 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 | Not reviewed for solder process capability |

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 # 1-2316952-0
3.96 EP HDR ASSY 10P, NO PIN 2,4,6,9



TE Part # 1744416-9
9 POS EP II HSG, GLOW WIRE



TE Part # 1-1318300-9
3.96 EP HDR ASSY 9P NAT/TUBE



TE Part # 2-2316952-8
3.96 EP HDR ASSY 8P, NO PIN 2,4



TE Part # 1-1123724-5
3.96EP HDR ASSY 5(9)P NATURAL



TE Part # 1-1123723-1
3.96 EP HDR ASSY 11P(NATURAL)



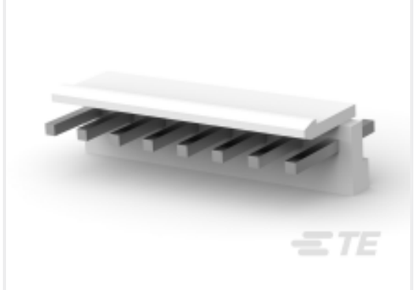
TE Part # 1-1123723-4
3.96 EP HDR ASSY 4P(NATURAL)



TE Part # 7-1123724-5
3.96EP HDR ASSY 5(9)P NATURAL, GWT



TE Part # 1-2316952-9
3.96 EP HDR ASSY 9P, NO PIN 2,4,5



TE Part # 1-1123723-8
3.96 EP HDR ASSY 8P(NATURAL)

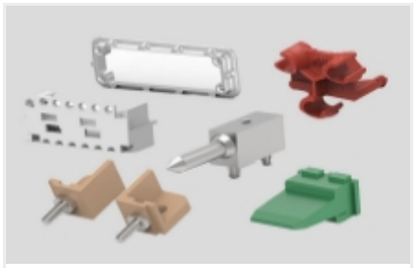


TE Part # 1-1123723-0
3.96 EP HDR ASSY 10P(NATURAL)

## Also in the Series | Economy Power



Connector Contacts(15)



Connector Hardware(2)



Power Contacts(9)



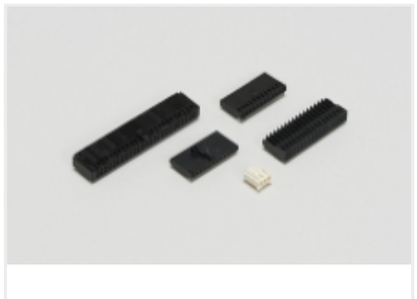
Rectangular Connector Housings(118)



Rectangular Power Connectors(581)



Standard Rectangular Connectors(118)



Wire-to-Board Connector Assemblies & Housings(118)

## Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



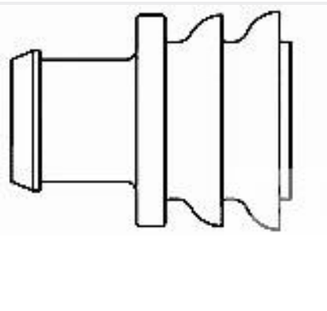
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

## Documents

### Product Drawings

3.96 EP HDR ASSY 9P, NO PIN 5

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_2316952-9_A.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_2316952-9_A.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_2316952-9_A.3d_stp.zip

English

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

## Product Specifications

### Application Specification

English