# 3-1744525-9 ✔ ACTIVE

TE Internal #: 3-1744525-9

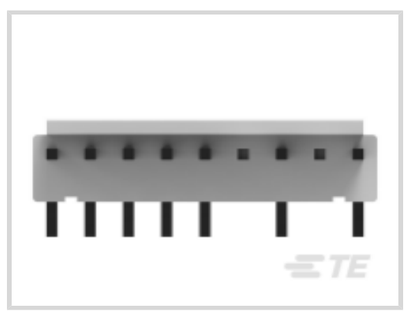
PCB Mount Header, Right Angle, Wire-to-Board, 9 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, Power

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: **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 | 7 |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 9 |
| Number of Rows | 1 |
| Number of Power Positions | 9 |

### 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 | 8.2 mm[.323 in] |
| Connector Length | 35.64 mm[1.4 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature (Max) | 105 °C[221 °F] |
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Shielded | No |
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | UL |
| UL Rating | Recognized |
| Glow Wire Rating | GWT 750°C (Without Flame) |
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 500 |
| Packaging Method | Bag |

## Other

| | |
|---|---|
| Position Locations Omitted | 6, 8 |
| Number of Blocked Positions | 2 |

# Product Compliance

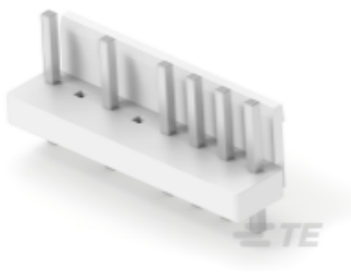
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| 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: JAN 2019 (197)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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 # 1-1744524-8
08P EP HDR NO 2,4 PIN V0 GWT



TE Part # 1-1744428-0
3.96 EP HDR ASSY 10P R/A, GW



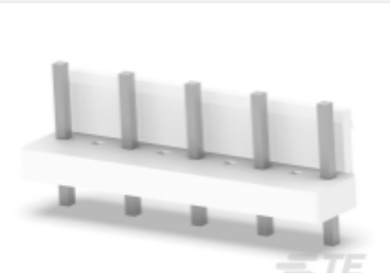
TE Part # 1744525-5
EP RA 05P HEADER ASY NO 3 PIN



TE Part # 1-1744428-2
3.96 EP HDR ASSY 12P R/A, GW



TE Part # 1744524-8
08P EP HDR NO 3,6 PIN V0 GWT



TE Part # 1-1744524-9
09P EP HDR NO 2,4,6,8 PIN V0 GWT



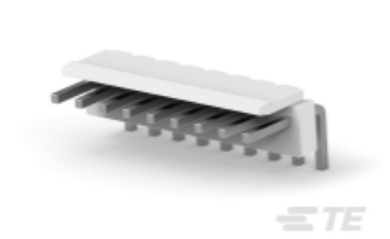
TE Part # 1744525-3
EP 03P RA-HDR ASY NO 2 PIN



TE Part # 1744525-9
3.96 EP HDR ASSY 9P R/A, NO 6,8 PINS



TE Part # 1744428-6
3.96 EP HDR ASSY 6P R/A, GW



TE Part # 1744428-9
3.96 EP HDR ASSY 9P R/A, GW

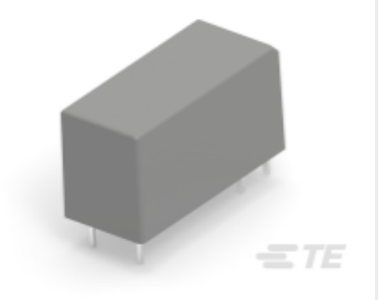
## Customers Also Bought



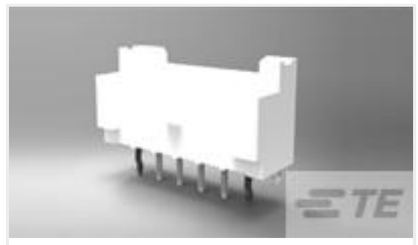
TE Part #1-640388-0
10P MTA156 HDR ASSY RN STR F/L



TE Part #4-1744524-5
EP 05P HEADER ASY NO #3 PIN



TE Part #2071452-9
RZ0H-1A4-D012-R0001 (TES)



TE Part #2132230-2
EP2.5 Shrouded HDR ASSY 2P VER

TE Part #2071452-2
RZ03-1A4-D009-R0001 (TES)

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_3-1744525-9_B.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_3-1744525-9_B.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_3-1744525-9_B.3d_stp.zip

English

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

### Product Specifications

Application Specification

Japanese

Application Specification

English

### Agency Approvals

VDE Certificate

English