

1744418-3 ✓ ACTIVE

Economy Power 2.5

TE Internal #: 1744418-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power 2.5

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **2.5 mm [.098 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

| | |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 3 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

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

Body Features

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



Contact Features

| | |
|--|----------------------------------|
| Contact Layout | Inline |
| Mating Pin Diameter | .6 mm[.024 in] |
| Contact Mating Area Plating Material Thickness | 2 – 5 μ m[80 – 200 μ in] |
| Contact Mating Area Plating Material Finish | Bright |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Pin |
| Contact Current Rating (Max) | 4.2 A |

Termination Features

| | |
|---|-----------------------|
| Round Termination Post & Tail Diameter | .6 mm[.024 in] |
| Termination Post & Tail Length | 3.4 mm[.133 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|--------------|
| PCB Mount Alignment Type | Boss |
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| Panel Mount Feature | Without |
| PCB Mount Retention Type | Kinked |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| PCB Mount Retention | With |

Housing Features

| | |
|--------------------|-----------------|
| Housing Material | Nylon |
| Centerline (Pitch) | 2.5 mm[.098 in] |

Dimensions

| | |
|------------------|------------------|
| Connector Length | 12.5 mm[.492 in] |
| Connector Height | 8.8 mm[.346 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application



| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|------------------------|-----------|
| Glow Wire Rating | Glow Wire |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 600 |
| Packaging Type | 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



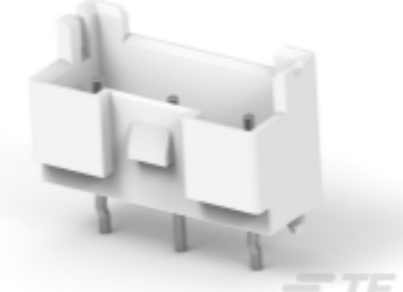
TE Part # 1744417-3
3 POS EP 2.5 HSG, GLOW WIRE



TE Part # 1969442-3
EP 2.5 TPA Housing, 3 Pos



TE Part # 2316873-4
EP2.5 HDR ASSY 4P VERT, GW,NO
PIN 2,3

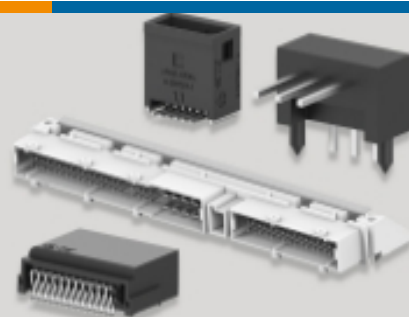


TE Part # 2316873-5
EP2.5 HDR ASSY 5P VERT, GW,NO
PIN 2,4

Also in the Series | Economy Power 2.5



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(408)



PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



Wire-to-Board Connector Assemblies
& Housings(311)



Wire-to-Board Connector Contacts(6)

Documents

Product Drawings

3 POS EP 2.5 HDR, GLOW WIRE

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1744418-3_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1744418-3_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1744418-3_F.3d_stp.zip](#)

English



By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[7-1773461-6_EP2.5_Connector_Series](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English