



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|

Dimensions

| | |
|------------------|------------------|
| Connector Width | 8.4 mm[.331 in] |
| Connector Height | 15.3 mm[.602 in] |
| Connector Length | 25.3 mm[.996 in] |

Packaging Features

| | |
|--------------------|-------------|
| Packaging Quantity | 300 |
| Packaging Method | Tape & Reel |

Industry Standards

| | |
|---|----------|
| Compatible With Agency/Standards Products | UL |
| Compatible With Approved Standards Products | UL 1977 |
| UL Flammability Rating | UL 94V-0 |

Mechanical Attachment

| | |
|--|--|
| | |
|--|--|



| | |
|-------------------------|----------------|
| Mating Retention Type | Polarized Lock |
| Mating Retention | With |
| Mating Alignment Type | Polarization |
| PCB Mount Retention | With |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

Termination Features

| | |
|--|------------------|
| Square Termination Post & Tail Dimension | 1.14 mm[.045 in] |
| Termination Method to PCB | Surface Mount |

Contact Features

| | |
|---|------------------|
| Contact Underplating Material | Nickel |
| Contact Fabrication | Stamped & Formed |
| Mating Square Post Dimension | 1.14 mm[.045 in] |
| Contact Shape & Form | Square |
| Contact Layout | Inline |
| Contact Base Material | Copper Alloy |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Tab |
| Contact Current Rating (Max) | 7 A |

Housing Features

| | |
|-----------------------|------------------------------|
| Mating Entry Location | Bottom |
| Housing Material | LCP (Liquid Crystal Polymer) |
| Centerline (Pitch) | 3.96 mm[.156 in] |

Product Type Features

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

Configuration Features

| | |
|--|--|
| | |
|--|--|



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

Body Features

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

Usage Conditions

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

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

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) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder 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 # 2106091-1
2 pos Inverted Thru Board SMT Header

Also in the Series | Inverted Thru-Board

PCB Headers & Receptacles(8)

Poke-In Connectors(8)

Wire-to-Board Headers & Receptacles (8)

Customers Also Bought

TE Part #1-480305-9
03P CMNL CAP HSG F/H BLK

TE Part #41333
RING 18-14 AWG TPBR

TE Part #3-1609028-1
5FBH3=F8591

TE Part #42400-2
250 FASTON REC 18-14 AWG TPBR

TE Part #1-480318-9
02P CMNL PLUG HSG F/H BLK

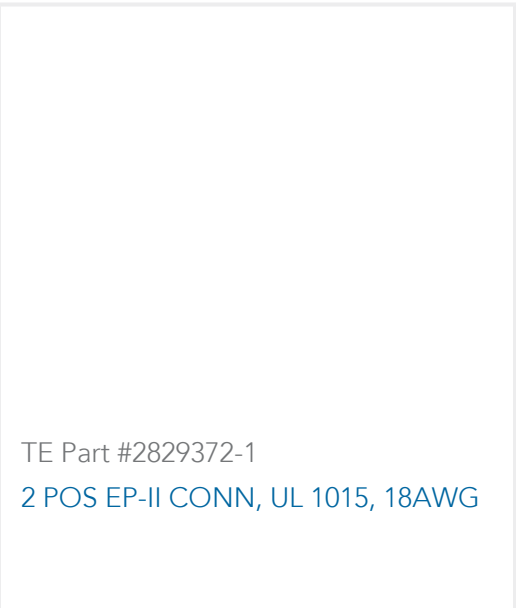
TE Part #55929-1
SPLICE WIRE CE BLACK 22-10

TE Part #60771-1
RING CRIMP 18-14 AWG BR

TE Part #2213847-1
GASKET, SEALING ROT DIM RECEPT



TE Part #2834006-1
RELEASE POKE-IN
CONNECTOR_1POLES



TE Part #2829372-1
2 POS EP-II CONN, UL 1015, 18AWG

Documents

Product Drawings

High Power Inverted Thru Board Con 2 Pos

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2154829-1_A_c-2154829-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2154829-1_A_c-2154829-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2154829-1_A_c-2154829-1-a.3d_stp.zip

English

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

Datasheets & Catalog Pages

Inverted Thru Board Interconnects

Inverted Thru Board Interconnects

English

5-17737700-9_HPInverted_brochure

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English