



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	600 VDC
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Body Features

Primary Product Color	Natural
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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 (Sn)
Contact Type	Tab
Contact Current Rating (Max)	7 A

Termination Features

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

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

Housing Features

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

Dimensions

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

Usage Conditions

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Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	300
Packaging Method	Tape & Reel

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

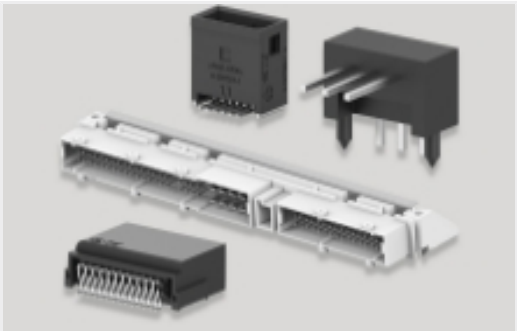
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

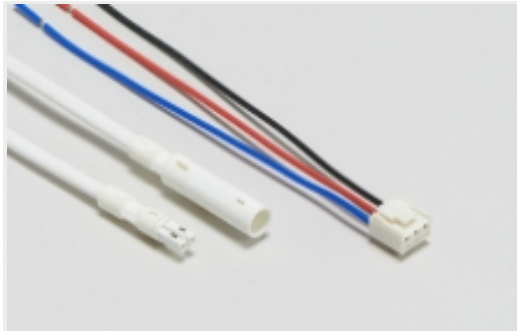
Also in the Series | Inverted Thru-Board Interconnects



PCB Headers & Receptacles(8)



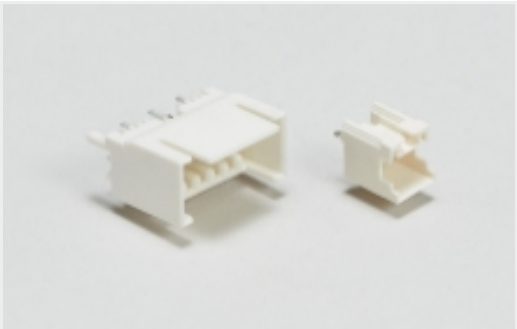
Poke-In Connectors(8)



Power Cable Assemblies(3)



Rectangular Power Connectors(3)



Wire-to-Board Headers & Receptacles
(8)

Customers Also Bought



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



TE Part #2834006-1
RELEASE POKE-IN CONNECTOR_1POLES



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



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



TE Part #2834006-2
RELEASE POKE-IN CONNECTOR_2POLES



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



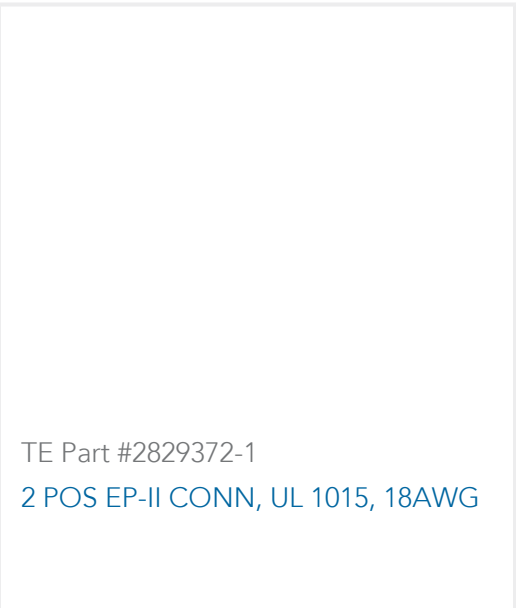
TE Part #42400-2
250 FASTON REC 18-14 AWG TPBR



TE Part #41333
RING 18-14 AWG TPBR



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



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