

2154829-2 ✓ ACTIVE

LUMAWISE | Inverted Thru-Board Interconnects

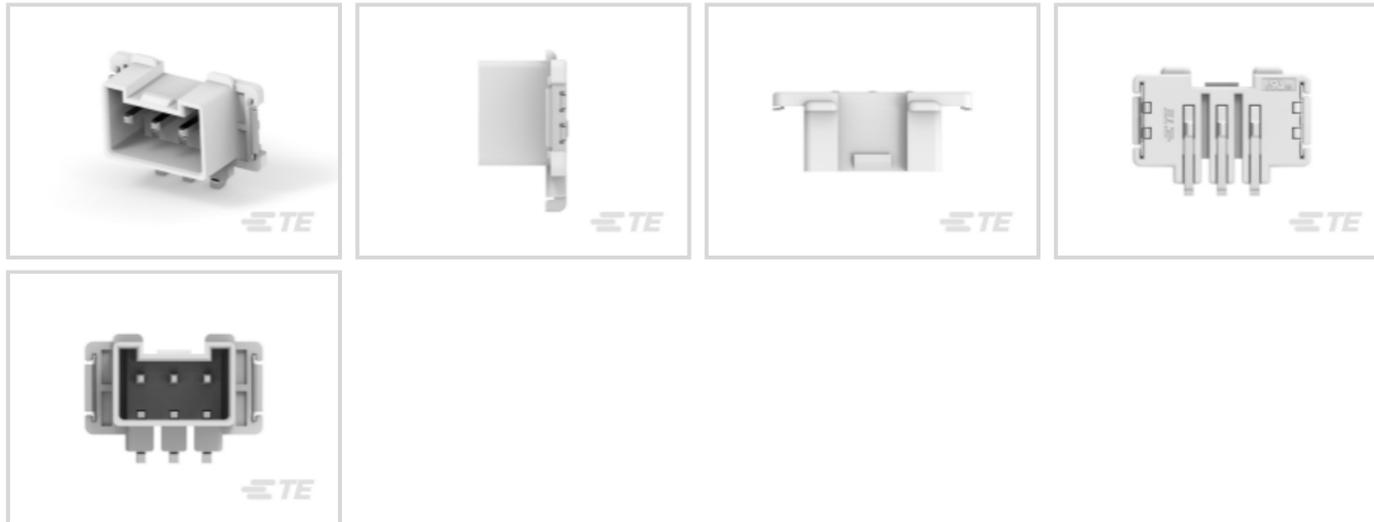
TE Internal #: 2154829-2

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 3.96 mm [.156 in] Centerline, Tin (Sn), Surface Mount, Power, Inverted Thru-Board Interconnects

[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: **3**

Centerline (Pitch): **3.96 mm [.156 in]**

## 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	3
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
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Type	Tab
Contact Current Rating (Max)	7 A
PCB Contact Termination Area Plating Material	Tin

### 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 Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

### Housing Features

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

### Dimensions

Connector Width	8.4 mm[.331 in]
Connector Height	15.3 mm[.602 in]
Connector Length	21.34 mm[.84 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: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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	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

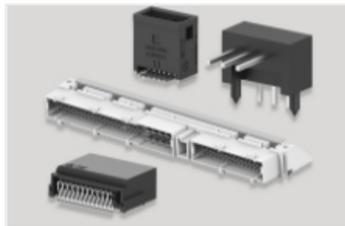


TE Part # 2106091-2  
3 pos Inverted Thru Board SMT Header

### Also in the Series | Inverted Thru-Board Interconnects



Lighting Cable Assemblies(4)



PCB Headers & Receptacles(8)



Poke-In Connectors(8)



Power Cable Assemblies(3)

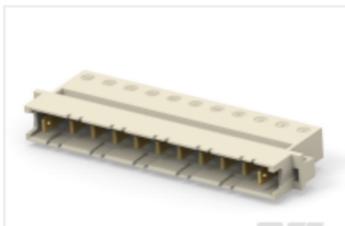


Rectangular Power Connectors(3)



Wire-to-Board Headers & Receptacles (8)

### Customers Also Bought



TE Part #233235-E  
STVH11 11 M B V 3-00 LA \* B048 199 E 016



TE Part #8-1676123-0  
1/2W SM M/OX 5% 1K6



TE Part #5-1814832-2  
SMA Str PCB Skt GZD



TE Part #2007209-1  
CONNECTOR ASSY, HIGH CURRENT CARD EDGE,



TE Part #2180490-1  
IMP,PWR,4PR,HDR,R-HLD,1X,802-1,N /A



TE Part #2308107-9  
DDR4 DIMM 288 PIN TH TYPE



TE Part #CAT-0B4-MIT  
MULTI-POINT IDC TERMINAL



TE Part #6450130-4  
MBXL R/A HDR 4P+24S+3ACP



## Documents

### Product Drawings

[High Power Inverted Thru Board Con 3 Pos](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2154829-2\\_A\\_c-2154829-2-a.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2154829-2\\_A\\_c-2154829-2-a.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2154829-2\\_A\\_c-2154829-2-a.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[Inverted Thru Board Interconnects](#)

English

[5-17737700-9\\_HPInverted\\_brochure](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English