

2106091-3 ✓ ACTIVE

LUMAWISE | Inverted Thru-Board

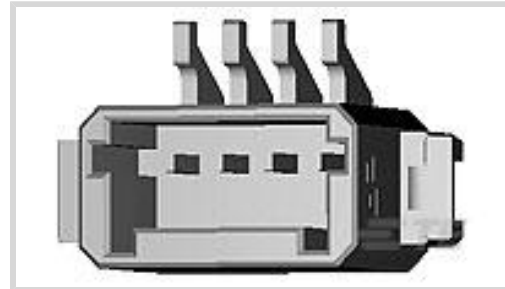
TE Internal #: 2106091-3

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, .059 in [1.5 mm] Centerline, Tin, Surface Mount, Signal, Natural, Inverted Thru-Board

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **4**

Number of Rows: **1**

Centerline (Pitch): **1.5 mm [ .059 in ]**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	4
Number of Rows	1
PCB Mount Orientation	Vertical

### Electrical Characteristics

Operating Voltage	50 VAC
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### Body Features

Primary Product Color	Natural
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### Contact Features

Contact Layout	Inline
Contact Mating Area Length	2.4 mm[.095 in]
Mating Square Post Dimension	.5 mm[.02 in]
Contact Fabrication	Stamped & Formed
PCB Contact Termination Area Plating Material Thickness	4 $\mu$ m[157.48 $\mu$ in]



Contact Mating Area Plating Material Thickness	4 µm[157.5 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

#### Termination Features

Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Rectangular Termination Post & Tail Width	.75 mm[.029 in]
Termination Method to Printed Circuit Board	Surface Mount

#### Mechanical Attachment

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

#### Housing Features

Mating Entry Location	Bottom
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.5 mm[.059 in]

#### Dimensions

Connector Length	12.11 mm[.477 in]
Connector Height	6.9 mm[.272 in]
Connector Width	7.25 mm[.285 in]

#### Usage Conditions

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

Circuit Application	Signal
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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard	CSA, UL
Approved Standards	CSA/C22.2 No. 182.3-M1987, UL 1977, UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	450
Packaging Type	Box

### 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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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 # 353908-4  
CT REC HSG 4P CRIMP TYPE WHITE



TE Part # CAT-AM7053-C7671  
MINI COMMON TERMINATION CONTACTS



TE Part # 2058943-3  
Cable Assembly Mini CT 4 pos.



TE Part # 353293-4  
MINI CT MT REC ASSY 4P GRAY



TE Part # 2154829-3  
High Power Inverted Thru Board Con 4 Pos



TE Part # 1-2154829-3  
HIGH POWER INVERTED THRU BOARD CON 4 POS

## Also in the Series | Inverted Thru-Board



PCB Headers & Receptacles(8)



Poke-In Connectors(8)

## Customers Also Bought



TE Part #5525DSO-SB005GS  
5PSIG DIGITAL PRESSURE SENSOR



TE Part #6609065-1  
1EDP=F7687 S0



TE Part #4-641215-0  
10P MTA100 HDR ASSY FL/ST 30AU



TE Part #640388-7  
07P MTA156 HDR ASSY RN STR F/L



## Documents

### Product Drawings

[4 pos Inverted Thru Board SMT Header](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2106091-3\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2106091-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2106091-3\\_B.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

[INVERTED\\_SMT\\_THRU\\_BOARD\\_CONNECTOR](#)

English

### Product Specifications

[Application Specification](#)



English

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**Product Environmental Compliance**

**Product Compliance**

English

**Product Compliance**

English

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**Agency Approvals**

**Agency Approval Document**

English