



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

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	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Fabrication	Stamped & Formed
Contact Mating Area Plating Material Thickness	4 μm[157.5 μin]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	4 μm[157.48 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	2.4 mm[.095 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

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

Mechanical Attachment

Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention Type	Boardlock
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)	1.5 mm[.059 in]

Dimensions



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

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	1800
Packaging Method	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: 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

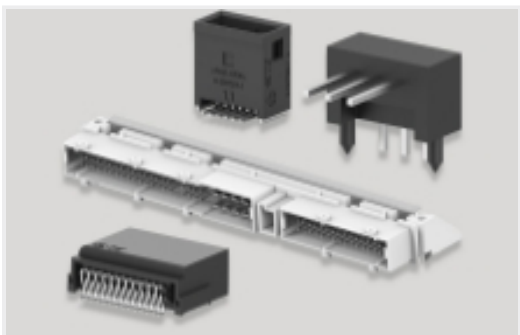
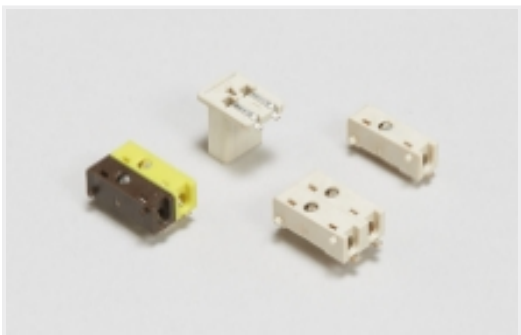
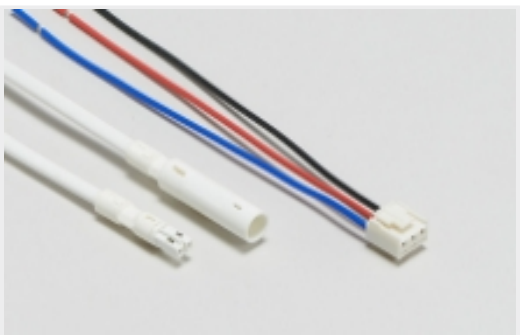
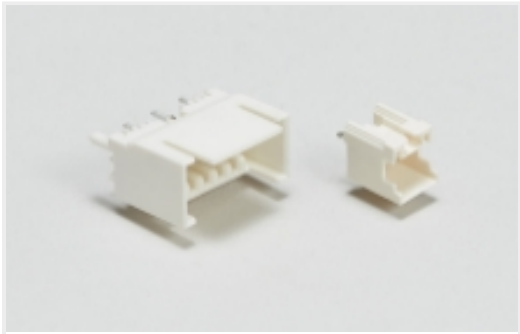


EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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 # 1-2154829-3 HIGH POWER INVERTED THRU BOARD CON 4 POS	 TE Part # 353293-4 MINI CT MT REC ASSY 4P GRAY	 TE Part # 2058943-3 Cable Assembly Mini CT 4 pos.	 TE Part # 2154829-3 High Power Inverted Thru Board Con 4 Pos
 TE Part # 1-2058943-4 CABLE ASSY MINI CT, 609.6MM LENGTH	 TE Part # 2405870-4 CT 4P 300MM CABLE ASSEMBLY 6-353908-4	 TE Part # CAT-AM7053-C7671 Mini Common Termination Contacts	 TE Part # 353908-4 CT REC HSG 4P CRIMP TYPE WHITE

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)			



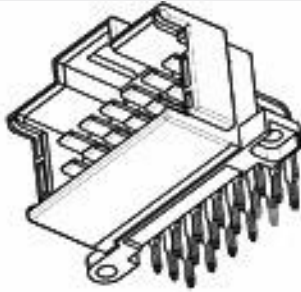
Customers Also Bought



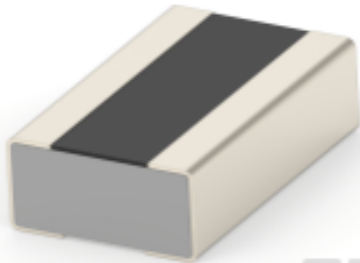
TE Part #CAT-SIGH262
Signal Header



TE Part #6-535541-2
14 MODIV VRT SR CE 100/115



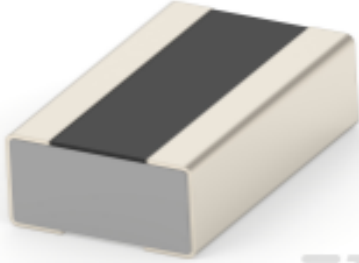
TE Part #966140-3
MESSERLEISTE 12P



TE Part #1-2176536-7
RLW73 A2 1% R22 200ppm 1k RL



TE Part #1622987-1
CRG0603 1% 68K



TE Part #1-2176536-9
RLW73 A2 1% R33 200ppm 1k RL



TE Part #292232-5
1.5 MINI CT SGL V SMT W/BOS,PO



TE Part #9-2176070-1
3521 56K 1% 2W



TE Part #9-1609095-1
5FB3=F8363

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

Agency Approvals

Agency Approval Document

English