



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **1**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	1
Number of Rows	1
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	30 VAC
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Body Features



Connector Profile	Standard
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Primary Product Color	Black
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Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
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100 – 200 µin

Contact Shape & Form	Square
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material	Tin
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Contact Mating Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
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Contact Type	Pin
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Contact Current Rating (Max)	3 A
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Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
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Termination Post & Tail Length	3.05 mm[.12 in]
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Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mating Alignment	Without
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
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Housing Material	LCP (Liquid Crystal Polymer), LCP-GF (Liquid Crystal Polymer)
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Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application



Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	520
Packaging Method	Carton

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 Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Pin-in-Paste 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 # 87175-2
01 LOCKING CLIP HSG SR .100CL

TE Part # 7-87499-2
01 MODIV HSG COMP SR .100CL

Also in the Series | AMPMODU Headers

Connector Contacts(60)

Connector Hardware(1)

PCB Headers & Receptacles(1629)

Wire-to-Board Connector Assemblies & Housings(5)

Customers Also Bought

TE Part #3-2176070-2
3521 200R 1% 2W

TE Part #1558666-3
T9GS1L14-12

TE Part #1757824-2
AMPLIMITE,ASY,RCPT,STD,90,ZN,2

TE Part #1757823-2
AMPLIMITE,ASY,PLUG,STD,90,ZN,2

TE Part #1825027-8
FSMRA3JH04=R/A,TACT PB SW,160G

TE Part #1-1676481-7
CPF 0603 24R 0.1% 25PPM 1K RL

TE Part #9-2176091-6
RP 2A 0.25W 590R 0.1% 25PPM 1K RL

TE Part #1676212-2
RN 0805 18K2 0.1% 10PPM 1KRL

TE Part #2-2176421-5
TLRP 2512 2.0W R040 1% 25PPM 4K RL

TE Part #3-2176422-8
TLRP 2512 3.0W R080 1% 25PPM 4K RL



Documents

Product Drawings

01 MODII HDR SRST B/A .100CL

English

01 MODII HDR SRST B/A .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-146278-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-146278-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-146278-1_E.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English