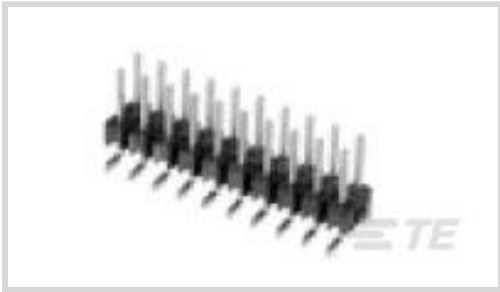




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **10**

Number of Rows: **2**

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	Right Angle
Number of Positions	10
Number of Rows	2

Body Features

Primary Product Color	Black
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Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
	100 – 200 µin
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin



Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in] .05 in
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Assembly Process Feature	Pick and Place Cap
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	250
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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 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	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 # 87133-5 10 LOCKING CLIP HSG DR MRKD	 TE Part # 1355347-5 2x5P HV100 REC. CON, SMD, TIN, BLISTER	 TE Part # 87131-2 10 LOCKING CLIP HSG DR .100CL	 TE Part # 87131-5 10 LOCKING CLIP HSG DR MRKD
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TE Part # 87132-2
10 LOCKING CLIP HSG DR .100CL

TE Part # 87132-5
10 LOCKING CLIP HSG DR MRKD

Also in the Series | AMPMODU Headers

Connector Caps & Covers(1)

Connector Contacts(64)

Connector Hardware(2)

PCB Headers & Receptacles(3204)

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

Customers Also Bought

TE Part #1367073-1
20 POS SMT CONN, SFP, 15AU

TE Part #282841-2
TERMI-BLOK PCB MOUNT 2P. 5

TE Part #796681-2
TERMI-BLOK PCB MOUNT 2P.

TE Part #9-1879338-4
CPF 0603 249K 1% 50PPM 1K RL

TE Part #9-2176403-0
3550 5K1 1%

TE Part #2-2176338-3
CRGCQ 0402 4K7 5%

TE Part #1-2176308-3
RP 1E 0.1W 178K 0.1% 25PPM 5K RL

TE Part #6-2176307-5
RP 1E 0.1W 57K6 0.1% 25PPM 5K RL



TE Part #4-2176526-6
3503G 2B 150R 1% 5K RL



TE Part #7-2176616-0
SMQW2W 75R 5%

Documents

Product Drawings

10 MODII HDR DR SFMT B/A T&R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-147292-2_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-147292-2_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-147292-2_M.3d_stp.zip

English

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