



Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **8**

Centerline (Pitch): **2.54 mm [ .1 in ]**

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

Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	8
Board-to-Board Configuration	Right Angle

Electrical Characteristics

Operating Voltage	30 VAC
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Body Features

Connector Profile	Standard
Post Size	.64 mm[.025 in]

Contact Features

	100 – 200 μin
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Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.381 μm[15 μin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Retention Solder Tails
Mating Alignment	Without
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal
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Industry Standards

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



Packaging Features

Packaging Quantity	100
Packaging Method	Tray

Other

Comment	Refer to the customer drawing to determine the number and location of the board retention tails. Other tail lengths are available, consult AMP Incorporated.
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Aktuelle ECHA Kandidatenliste: JAN 2020 (205) Kandidatenliste deklariert bezüglich: JAN 2020 (205) Pb (13% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Aktuelle ECHA Kandidatenliste: JAN 2020 (205) Kandidatenliste deklariert bezüglich: JAN 2020 (205)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.



Compatible Parts

TE Model / Part # 87133-9  
08 LOCKING CLIP HSG DR .100CL

TE Model / Part # 1-87133-0  
08 LOCKING CLIP HSG DR MRKD

TE Model / Part # 215307-8  
2X8P HV100 REC CON. TE, 7.0MM

Also in the Series | AMPMODU Headers

Automotive, Truck, Bus, & Off-Road Headers(7)

Board-to-Board Headers & Receptacles(5291)

PCB Connector Mounting(1)

PCB Connector Shrouds(1)

PCB Latches, Locks & Retainers(2)

Wire-to-Board Connector Assemblies & Housings(3)

Wire-to-Board Connector Contacts(50)

Wire-to-Board Headers & Receptacles (75)

Customers Also Bought

TE Model / Part #1879355-6  
RR03 5% 6K8 AMMO

TE Model / Part #2-1879463-4  
RL73H 2E R91 1% 5K RL

TE Model / Part #165167-1  
PG WIREPIN RED LONG

TE Model / Part #8-1377174-3  
SMP 0-0165566-1



TE Model / Part #2-2329383-3  
PB ON/OFF FC YLW M1 TERM IP68

TE Model / Part #1-1879463-0  
RL73H 2E R24 1% 5K RL

TE Model / Part #1-1879463-4  
RL73H 2E R36 1% 5K RL

TE Model / Part #1825268-1  
MSS4300R04=4P3T SL SW R/A AG

TE Model / Part #6368116-1  
2X6 OFFSET STK MJ,W/LFT GN LED

TE Model / Part #1393767-1  
R10-E2P2-V185=R10

Documents

Product Drawings

08 MODII HDR DRRR B/A W/HLDWN

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_104354-4\_J.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_104354-4\_J.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_104354-4\_J.3d\_stp.zip

English

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

Product Environmental Compliance

REACH Substance Communication Document

English