



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



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **16**

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	Vertical
Number of Positions	16
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	30 VAC
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Body Features

Connector Profile	Standard
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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-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.381 μ m[15 μ in]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.18 mm[.125 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
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UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

200

Packaging Method

Carton

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.

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

Current ECHA Candidate List: JUN 2020 (209)
 Candidate List Declared Against: JAN 2020 (205)
 Pb (13% in Component Part)
Article Safe Usage Statements:
 Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 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 Model / Part # 1-87133-4
16 LOCKING CLIP HSG DR MRKD



TE Model / Part # 966645-8
2x8P HV100 REC. CON, SMD, GOLD, TUBE PACK



TE Model / Part # 1-87133-3
16 LOCKING CLIP HSG DR .100CL

Also in the Series | AMPMODU Headers



Automotive, Truck, Bus, & Off-Road Headers(10)



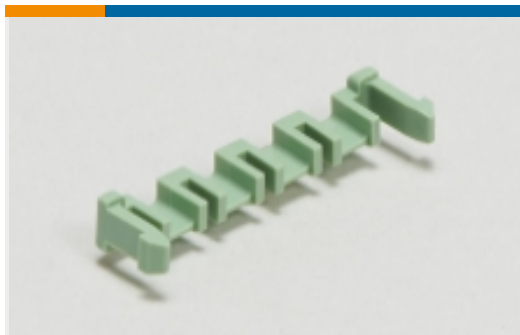
Board-to-Board Headers & Receptacles(5305)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



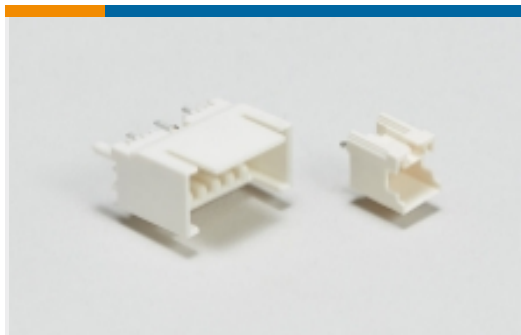
PCB Latches, Locks & Retainers(2)



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

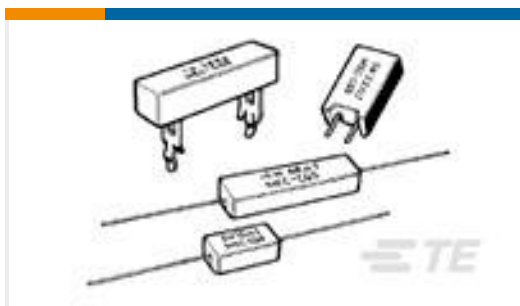


Wire-to-Board Connector Contacts(46)



Wire-to-Board Headers & Receptacles (76)

Customers Also Bought



TE Model / Part #1-1623797-5
SQZ10 68R 5% (WIRE)



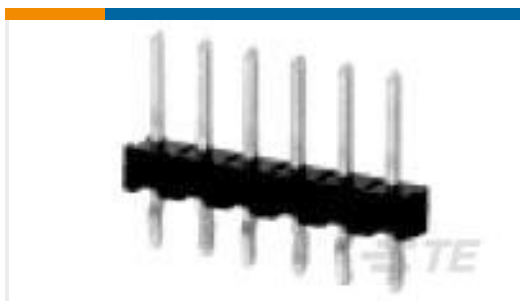
TE Model / Part #6-146288-2
12 MODII HDR SRST B/A 100 W/HD



TE Model / Part #796694-2
2 POS TERMI-BLOK HDR DIR. POL.



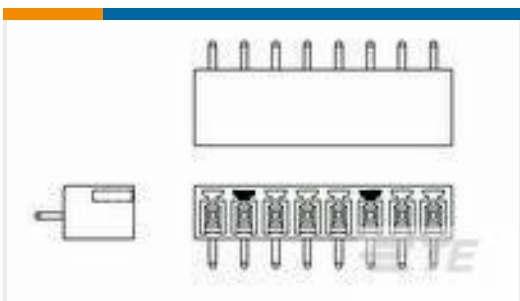
TE Model / Part #1879520-3
CRGH2010 1% 1K21 1W



TE Model / Part #1-104427-0
12 MODII HDR SRST B/A W/HD



TE Model / Part #104355-5
10 MODII HDR DRRR B/A W/HLDWN



TE Model / Part #1776553-8
Vert Header, Green, 3.81mm, Keyed



TE Model / Part #63425-1
MAG MATE 250F TAB #12 TPBR.



TE Model / Part #796694-7
7 POS TERMI-BLOK HDR DIR. POL.



TE Model / Part #5-1437664-2
NC6-P108-17=NC6 SERIES TERMINA

Documents

Product Drawings

16 MODII HDR DRST B/A W/HD

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_104433-8_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_104433-8_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_104433-8_S.3d_stp.zip](#)

English

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Agency Approvals

UL Report

English