



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: **4**

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	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	1
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	4
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Bright



Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Tin-Lead
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]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

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 Color	Black
Housing Material	Nylon-GF

Dimensions

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

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	500
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Packaging Method

Carton

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: JUN 2016 (169)
 Does not contain REACH SVHC

Halogen Content

Not Yet Reviewed for halogen content

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



Also in the Series | [AMPMODU Headers](#)



Automotive Headers(10)



Board-to-Board Headers & Receptacles(5340)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



PCB Latches, Locks & Retainers(2)



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

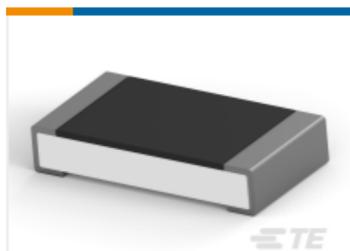


Wire-to-Board Connector Contacts(46)

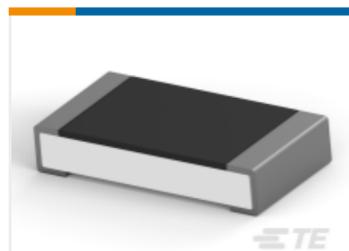


Wire-to-Board Headers & Receptacles (79)

Customers Also Bought



TE Model / Part #3-2176392-4
RQ 1206 294K 0.1% 10PPM 5K RL



TE Model / Part #2-2176392-6
RQ 1206 243K 0.1% 10PPM 5K RL



TE Model / Part #5-2176389-3
RQ 1206 374R 0.1% 10PPM 5K RL



TE Model / Part #1-1437664-6
NC6-P107-11=NC6 ASSEMBLY



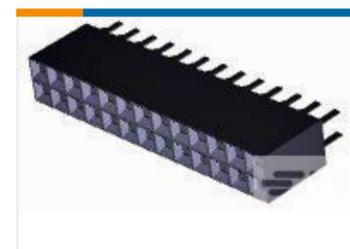
TE Model / Part #4-1971895-3
3P, RAST 5 Tab Header, THV



TE Model / Part #2301845-1
AMPL REC HD20, R/A, 15P, B/L,4-40
INS



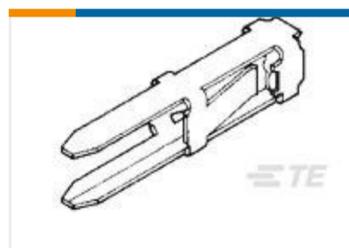
TE Model / Part #1-146257-0
20 MODII HDR DRST B/A .100CL



TE Model / Part #1-146762-6
26 MODII RCPT VERT DR



TE Model / Part #5-146290-4
04 MODII HDR SRST B/A 100 W/HD



TE Model / Part #86442-1
MOD I RECP STMPD

Documents



Product Drawings

[04 MODII HDR SRST UNSHRD .100](#)

English

Agency Approvals

[UL Report](#)

English