



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: **40**

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	Card Extender, Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	2
PCB Mount Orientation	Right Angle
Number of Positions	40
Board-to-Board Configuration	Co-Planar, Right Angle

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VACrms
Operating Voltage	250 VAC

Body Features

Post Size	.64 mm[.025 in]
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Contact Features

Contact Layout	Inline
Contact Mating Area Length	8.07 mm[.318 in]
	100 – 200 µin



PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
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	.762 μm[30 μin]
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Retention	Without
PCB Mount Retention Type	Board Retention Tail
Mating Alignment	With
Mating Alignment Type	Guide Pins
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

Connector Height	8.128 mm[.32 in]
Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Assembly Process Feature	None
Circuit Application	Signal



Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	8
Packaging Method	Tube

Other

Comment	Headers with make first/break last posts can be made available.
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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	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Pb (13% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 532956-7  
40 MODII 2PC CE RCPT ASSY

TE Model / Part # 1-534204-2  
MODU 2-PC CE RECP ASSY 40 POS

Also in the Series | AMPMODU Headers

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

Board-to-Board Headers & Receptacles(5302)

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(45)

Wire-to-Board Headers & Receptacles (76)

Customers Also Bought

TE Model / Part #609395-000  
82A0111-28-8

TE Model / Part #9-2176378-7  
RQ 0805 100R 0.1% 10PPM 5K RL

TE Model / Part #7-2176398-4  
3502 1R8 5%

TE Model / Part #2-2317658-4  
AV25 DPM 3A MOVING RING POWER GREEN 24V





TE Model / Part #4-2176304-0  
RP 1E 0.1W 25R5 0.1% 25PPM 5K RL



TE Model / Part #2-1776301-3  
503SI03EDS=EUROPA TB,FUSE,10MM



TE Model / Part #1099899-1  
COMP TERM, CU #6 L BARREL



TE Model / Part #5-104439-3  
5X4 MTE RCPT SR PLAIN .100CL



TE Model / Part #6-2213766-9  
AV19 DPL 5A POWER LED YELLOW  
12V

Documents

Product Drawings

40 MODII 2PC HDR DRRR SHRD

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_102802-8\_N.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_102802-8\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_102802-8\_N.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