

5-5176264-8 ✓ ACTIVE

AMPMODU | AMPMODU 2 mm

TE Internal #: 5-5176264-8

AMPMODU 2 mm, PCB Mount Header, Vertical, Board-to-Board, 6

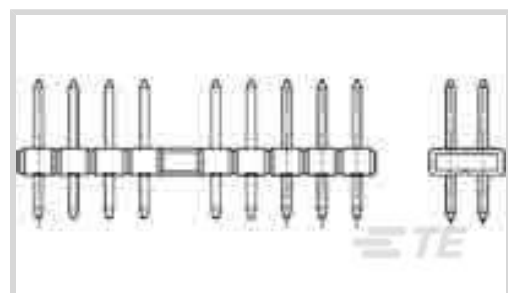
Position, 2mm [.079in] Centerline, Unshrouded, Gold, Printed

Circuit Board

[View on TE.com >](#)



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: **6**

Centerline (Pitch): **2 mm [.079 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	2
Stackable	No
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	6
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	650 VAC
Operating Voltage	200 VAC

Contact Features

Contact Mating Area Length	4 mm[.158 in]
Mating Square Post Dimension	.5 mm[.02 in]

	78.74 μ m
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.203 μ m[8 μ m]
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

Round Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	2.6 mm[.102 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 mm[.079 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Connector Height	1.75 mm[44.45 in]
Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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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

2500

Packaging Method

Tube

Other

Position Locations Omitted

0

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: JUN 2020 (209)
Candidate List Declared Against: JUL 2017 (174)
Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

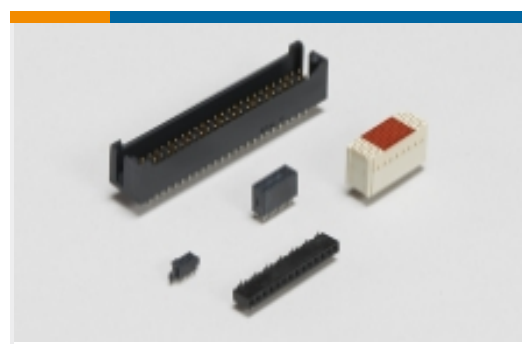
Solder Process Capability

Wave solder capable to 265°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.

Also in the Series | [AMPMODU 2 mm](#)



Board-to-Board Headers & Receptacles(7530)



Wire-to-Board Connector Assemblies & Housings(139)



Wire-to-Board Connector Contacts(26)

Customers Also Bought



TE Model / Part #1623021-1
CRG0603 5% 100R



TE Model / Part #6-1625867-4
RP 1J 0.166W 28R 0.1% 25PPM 1K RL



TE Model / Part #4-1437655-5
6WWV-03-008=#6 TRIBARRIER TERM



TE Model / Part #2301994-2
RJ45 JACK INT.MAG. 10/100 LED 1X1 INV.



TE Model / Part #4-146495-0
80 MODII HDR DRST UNSHRD STKG



TE Model / Part #4-1734506-1
RCPT, 2.0MM, 36P,VRT MT, 8 Au", 2.6 ST



TE Model / Part #2-1734506-6
RCPT, 2.0MM, 06P,VRT MT, 8 Au", 2.6 ST



TE Model / Part #2-1879352-2
RR02 5% 2R4 AMMO

Documents

Product Drawings

06 AMPMODU 2MM DR VERT MNT LF

English

CAD Files

Customer View Model

[ENG_CVM_5-5176264-8_O1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5-5176264-8_O1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_5-5176264-8_O1.2d_dxf.zip](#)

English

3D PDF

English

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

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AMPMODU 2 mm, PCB Mount Header, Vertical, Board-to-Board, 6 Position, 2mm [.079in] Centerline, Unshrouded, Gold, Printed Circuit Board



[Datasheets & Catalog Pages](#)

[AMPMODU Interconnection System](#)

English

[AMPMODU Interconnection System](#)