

1-1375870-0 ACTIVE

AMPMODU | AMPMODU MICRO

TE Internal #: 1-1375870-0

AMPMODU MICRO, PCB Mount Receptacle, Vertical, Wire-to-Board, 24 Position, .8mm [.031in] Centerline, 2 Row, Gold, Natural Housing Color

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



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **24**

Centerline (Pitch): **.8 mm [.031 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	24
Number of Rows	2

Electrical Characteristics

Insulation Resistance	500 MΩ
Dielectric Withstanding Voltage (Max)	250 V
Operating Voltage	30 VAC

Contact Features

Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	.13 – .2 μm[5.12 – 7.87 μin]
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold



Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Contact Type	Socket
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Rectangular Termination Post & Tail Width	.4 mm[.016 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

PCB Mount Alignment Type	Polarization
Mating Alignment	Without
PCB Mount Retention Type	Boardlock
PCB Mount Alignment	With
Mating Retention	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	.8 mm[.031 in]
Housing Color	Natural
Housing Material	LCP (Liquid Crystal Polymer)

Usage Conditions

Operating Temperature Range	-55 – 85 $^{\circ}\text{C}$ [-65 – 185 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Agency/Standard	UL
CSA Certified	No
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Method

Reel

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 Yet Reviewed for halogen content

Solder Process Capability

Reflow solder capable to 260°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



Also in the Series | **AMPMODU MICRO**



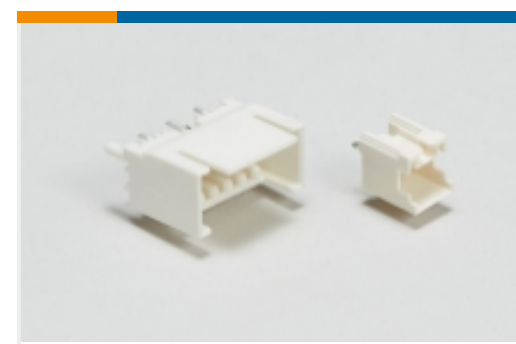
PCB Connector Strain Relief(2)



Wire-to-Board Connector Assemblies & Housings(15)

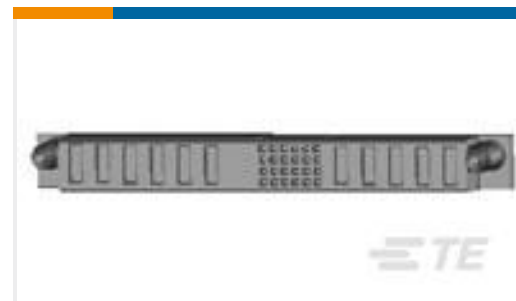


Wire-to-Board Connector Contacts(2)



Wire-to-Board Headers & Receptacles (23)

Customers Also Bought

TE Model / Part #917745-1
AMP POWER D/L TAB HDR ASY 2P VTE Model / Part #5-1376386-1
5.0 POWER KEY CONNECTOR 4P (2R)TE Model / Part #6450140-9
MBXL VERT RCPT 5P+24S+1M+6P

Documents

Product Drawings

[RCPT ASSY,24 POS,VERT,0.8MM MI](#)

English

CAD Files

Customer View Model

[ENG_CVM_1-1375870-0_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_1-1375870-0_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-1375870-0_B.3d_stp.zip](#)

English

3D PDF

English

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

Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English

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