

5-102692-1 ✓ ACTIVE

AMPMODU | AMPMODU Headers

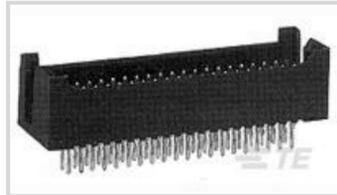
TE Internal #: 5-102692-1

PCB Mount Header, Vertical, Board-to-Board, 12 Position, 2.54 mm  
[.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder,  
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Number of Rows: **2**

## Features

### Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	2
Board-to-Board Configuration	Parallel

### Electrical Characteristics

Termination Resistance	12 mΩ
Dielectric Withstanding Voltage (Max)	750 VACrms
Operating Voltage	250 VAC

### Body Features

Primary Product Color	Black
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### Contact Features

Contact Mating Area Length	5.08 mm[.2 in]
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Mating Square Post Dimension	.64 mm[.025 in]
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100 – 200 µin
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Contact Shape & Form	Square
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PCB Contact Termination Area Plating Material	Tin-Lead
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material	Gold
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Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
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Contact Type	Pin
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Contact Current Rating (Max)	2 A
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### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
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Termination Post & Tail Length	4.57 mm[.18 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mating Retention	Without
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PCB Mount Retention Type	Board Retention Tail
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Mating Alignment	With
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Mating Alignment Type	Guide Pins
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PCB Mount Retention	With
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
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Housing Material	Thermoplastic
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### Dimensions

Connector Height	13.97 mm[.55 in]
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Row-to-Row Spacing	2.54 mm[.1 in]
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Stack Height	11.43 mm[.45 in]
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PCB Thickness (Recommended)	1.4 mm[.055 in]
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### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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### Operation/Application



Solder Process Feature	Board Standoff
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Circuit Application	Signal
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### Industry Standards

Approved Standards	CSA LE7189, UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	80
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Packaging Type	Tube
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability	Pin-in-Paste capable to 260°C
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#### 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 Part # 5-534204-2  
12 MODU 2-PC CE RECP ASSY, RoHS



TE Part # 5-532956-1  
12 MODII 2PC CE RCPT ASSY, RoH



TE Part # 6-534972-5  
12 MODII VRT 2PC DR, RoHS

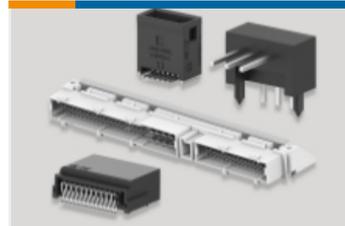
## Also in the Series | AMPMODU Headers



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



PCB Headers & Receptacles(6830)



PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies  
& Housings(5)



Wire-to-Board Connector Contacts(66)

## Documents

### Product Drawings

12 MODII 2PC HDR DR SHRD, ROHS

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_5-102692-1\\_L2.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5-102692-1\\_L2.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5-102692-1\\_L2.2d\\_dxf.zip](#)

English

### 3D PDF

English

5-102692-1

PCB Mount Header, Vertical, Board-to-Board, 12 Position, 2.54 mm [.1 in] Centerline,  
Fully Shrouded, Gold, Through Hole - Solder, AMPMODU Headers



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

## Datasheets & Catalog Pages

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION5\\_CONT](#)

English