# 5-146486-3 ACTIVE

#### AMPMODU | AMPMODU Headers

TE Internal #: 5-146486-3

PCB Mount Header, Vertical, Board-to-Board, 6 Position, 2.54 mm [. 1 in] Centerline, Unshrouded, Tin, Through Hole - Solder, Signal,

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: 6
Number of Rows: 2

#### **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**

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	2
Board-to-Board Configuration	Parallel

#### **Electrical Characteristics**

Insulation Resistance	5000 MΩ	

#### **Body Features**

#### **Contact Features**

Contact Mating Area Length	2.79 mm[.109 in]
Mating Square Post Dimension	.64 mm[.025 in]



	100 - 200 μin
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
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	3.12 mm[.123 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 Material	Thermoplastic
Dimensions	
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]
Usage Conditions	
Operating Temperature Range	-65 - 125 °C[-85 - 257 °F]
Operation/Application	
Assembly Process Feature	None
Circuit Application	Signal
Industry Standards	
Compatible With Approved Standards Products	CSA LE7189, UL E28476
UL Flammability Rating	UL 94V-0



#### **Packaging Features**

Packaging Method	Package
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### **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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
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 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 Headers





Connector Caps & Covers(1)



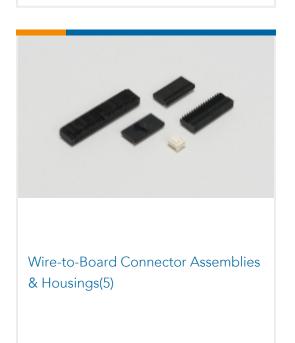
Connector Contacts(64)



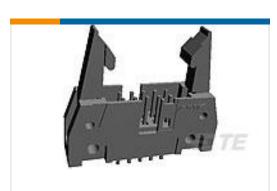
Connector Hardware(2)



PCB Headers & Receptacles(4349)



## Customers Also Bought



TE Part # 5102321-9

A/L UNIV HDR 40P VERT LG LAT



TE Part # 202236-5
Pin and Socket Contacts, Type III, LP



TE Part # 5-103168-8
20 MODII HDR DRST SHRD .100CL





MICRO MNL HDR ASSY SINGLE ROW



TE Part # 1-747871-4
09 PLUG SP/FMS SCRLK



### **Documents**

Product Drawings
06 MODII HDR DRST UNSHRD STKG

English

Datasheets & Catalog Pages

AMPMODU Interconnetion System

AMPMODU Interconnetion System

English

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