

4-146486-0  ACTIVE

## AMPMODU | AMPMODU Headers

TE Internal #: 4-146486-0

PCB Mount Header, Vertical, Board-to-Board, 80 Position, 2.54 mm

[.1 in] Centerline, Unshrouded, Tin-Lead, 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: **80**

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	80
Number of Rows	2
Board-to-Board Configuration	Parallel

### Electrical Characteristics

Insulation Resistance	5000 MΩ
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### Body Features

Primary Product Color	Black
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### Contact Features

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

Contact Shape & Form	100 - 200 $\mu$ in
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	2.54 - 5.08 $\mu$ m[100 - 200 $\mu$ in]
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]
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#### Operation/Application

Assembly Process Feature	None
Circuit Application	Signal

#### Industry Standards

Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

## Packaging Features

Packaging Quantity	75
Packaging Method	Carton

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (13% in Component Part) <small>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.</small>
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°C

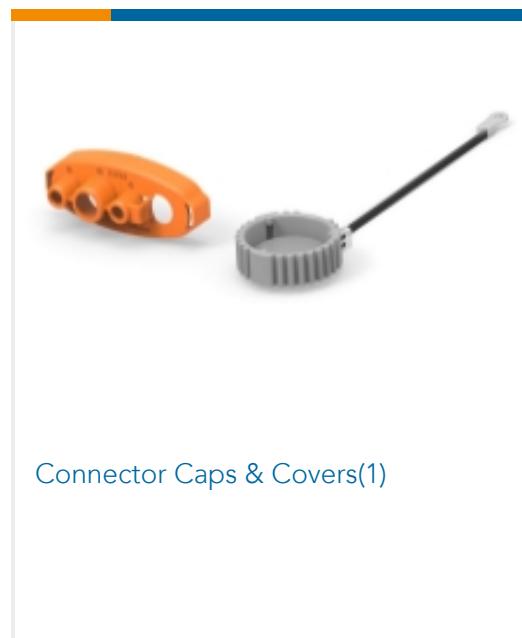
### Product Compliance Disclaimer

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 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>

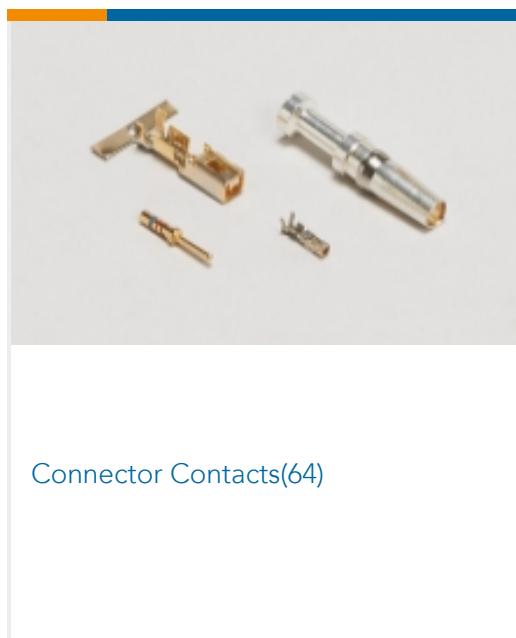
## Compatible Parts

TE Part # 4-146490-0  
80 MODII HDR DRST UNSHRD STKGTE Part # 9-146483-0  
80 MODII HDR DRST UNSHRD STKG

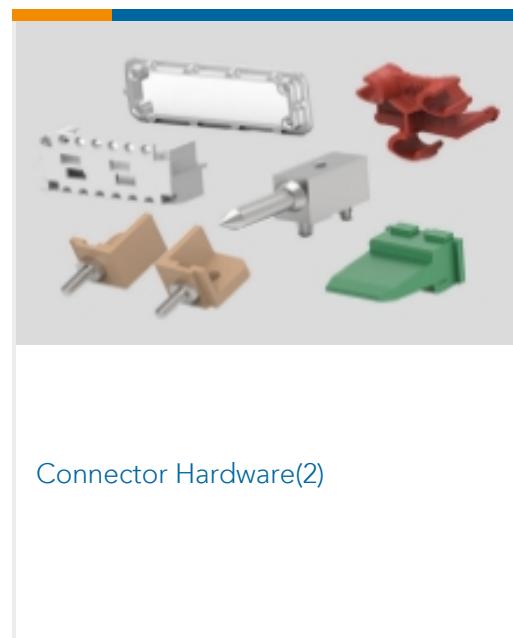
## Also in the Series | AMPMODU Headers



Connector Caps &amp; Covers(1)



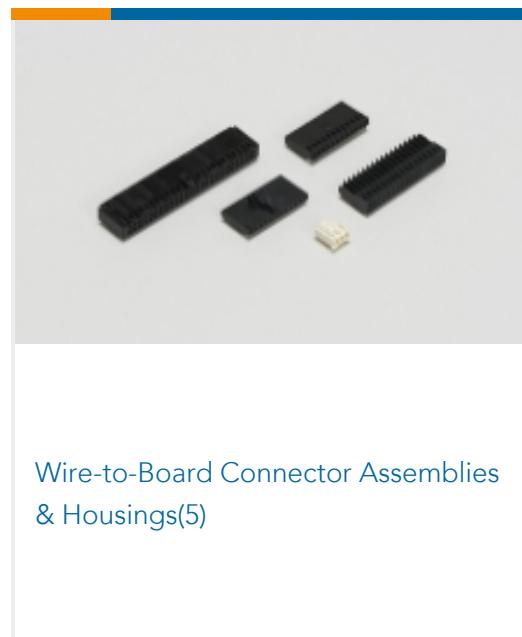
Connector Contacts(64)



Connector Hardware(2)



PCB Headers &amp; Receptacles(4122)

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

## Customers Also Bought

TE Part # 2-1462039-9  
IM23GR=IM RELAY 50mW 5VTE Part # 1909763-1  
UMCC MICRO-COAX RECT GEN 1  
HIGHER LEVELTE Part # 826926-9  
09P AMPMODU II PIN HDR.

## Documents

### Product Drawings

80 MODII HDR DRST UNSHRD STKG

English

### Datasheets & Catalog Pages

AMPMODU Interconnection System

## AMPMODU Interconnection System

English