

5-146252-1  ACTIVE

## AMPMODU | AMPMODU Headers

TE Internal #: 5-146252-1

PCB Mount Header, Vertical, Board-to-Board, 2 Position, 2.54 mm [.

1 in] Centerline, Breakaway, Gold, 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: **2**

Number of Rows: **2**

## Features

### Product Type Features

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

### Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	2
Board-to-Board Configuration	Parallel

### Electrical Characteristics

Operating Voltage	30 VAC
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### Body Features

Connector Profile	Standard
Primary Product Color	Black

### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
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PCB Contact Termination Area Plating Material Finish	100 - 200 $\mu$ in
Contact Shape & Form	Matte
Contact Underplating Material	Square
PCB Contact Termination Area Plating Material	Nickel
Contact Base Material	Tin
Contact Mating Area Plating Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	Gold
Contact Current Rating (Max)	.381 $\mu$ m[15 $\mu$ in]
Contact Type	3 A

#### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.18 mm[.125 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]
PCB Thickness (Recommended)	1.57 mm[.062 in]

#### Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 - 105 °C[-85 - 221 °F]

#### Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

#### Industry Standards

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

### Packaging Features

Packaging Quantity	1040
Packaging Method	Carton

### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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	Pin-in-Paste 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>

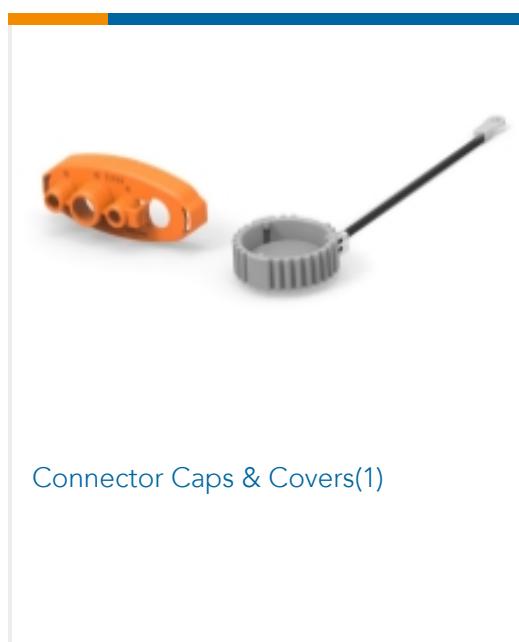
### Compatible Parts



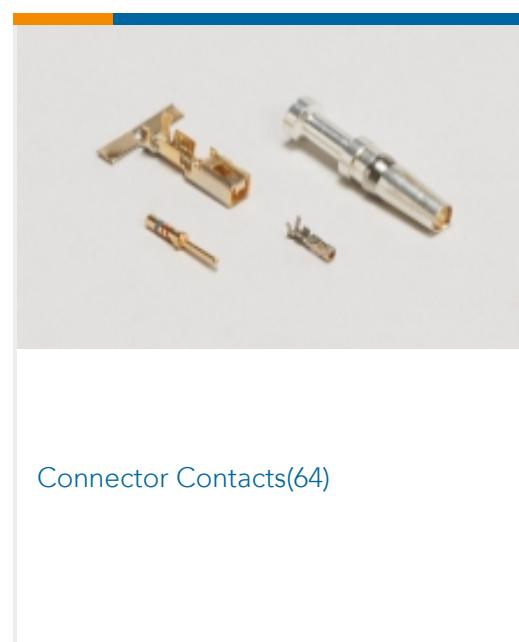
TE Part # 5147721-1  
02 MODII HORZ SR SFMNT 30AU

## Also in the Series

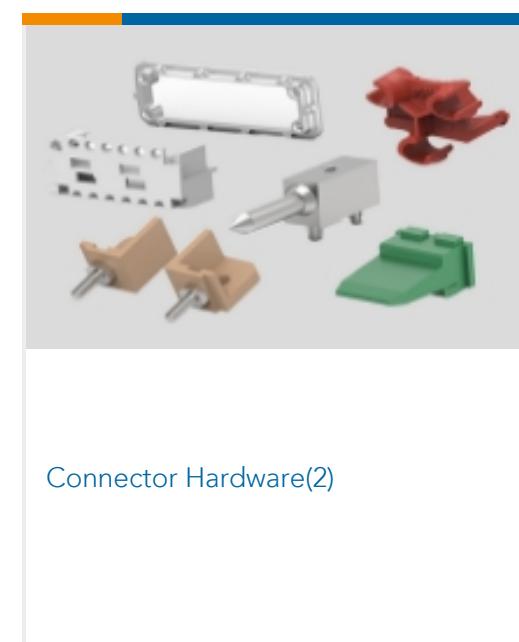
### AMPMODU Headers



Connector Caps & Covers(1)



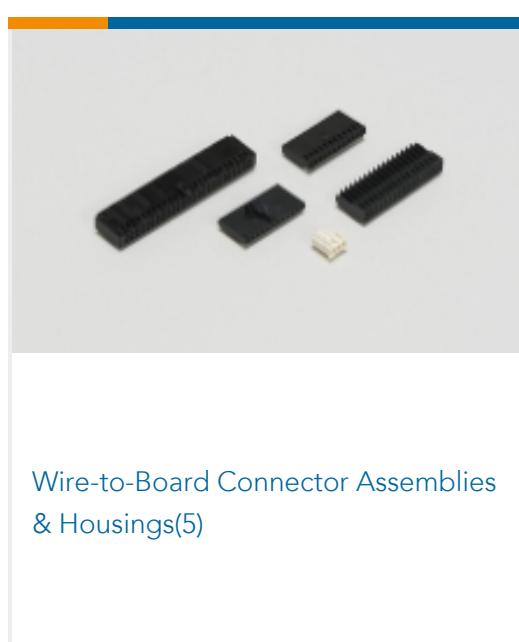
Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(4349)



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

## Customers Also Bought



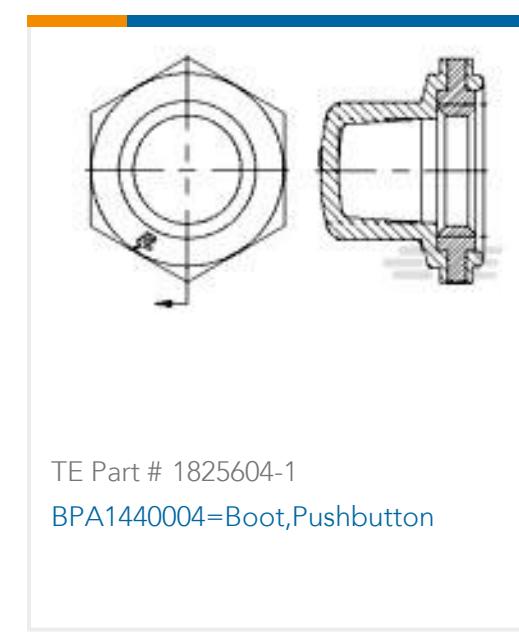
TE Part # 2-644861-9  
09P MTA100 SHRD HDR,W/O PEG SN



TE Part # 1478769-2  
ANTI-VIB NYLON GLD 16MM BLK



TE Part # 1761609-7  
IDC LOW PRO HDR 20P RA SHT LAT



TE Part # 1825604-1  
BPA144004=Boot,Pushbutton



TE Part # 63603-1  
187 FASTON TAB TPBR



TE Part # 2176091-4  
RP 2A 0.25W 61R9 0.1% 25PPM 1K RL



TE Part # 5-2176331-2  
CRGP 2512 180K 1%



TE Part # 9-2176391-1  
RQ 1206 107K 0.1% 10PPM 5K RL



TE Part # 2-647123-7  
07P MTA156 SHRD HDR ASSY SQ SN

## Documents

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-146252-1\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-146252-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-146252-1\\_D.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

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

English