

5-146278-4 ✓ ACTIVE

AMPMODU | [AMPMODU Headers](#)

TE Internal #: 5-146278-4

PCB Mount Header, Vertical, Board-to-Board, 4 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

## Features

### Contact Features

	100 – 200 $\mu$ m
Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	2.54 – 5.08 $\mu$ m[100 – 200 $\mu$ m]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### 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
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### Configuration Features

Connector Contact Load Condition	Fully Loaded
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Board-to-Board Configuration	Parallel
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PCB Mount Orientation	Vertical
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Number of Positions	4
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Number of Rows	1
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### Electrical Characteristics

Operating Voltage	30 VAC
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### Body Features

Connector Profile	Standard
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Primary Product Color	Black
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### Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
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Square Termination Post & Tail Dimension	.64 mm[.025 in]
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Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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### Housing Features

Housing Material	LCP-GF (Liquid Crystal Polymer), LCP (Liquid Crystal Polymer)
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Centerline (Pitch)	2.54 mm[.1 in]
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### Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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### Usage Conditions

Housing Temperature Rating	High
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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

### Industry Standards

Compatible With Approved Standards Products

UL E28476, CSA LR7189

UL Flammability Rating

UL 94V-0

### Packaging Features

Packaging Quantity

500

Packaging Method

Carton

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUNE 2024 (241)  
 Candidate List Declared Against: JUNE 2024 (241)  
 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 # 146763-6  
04 MODII VRT SR CE 100

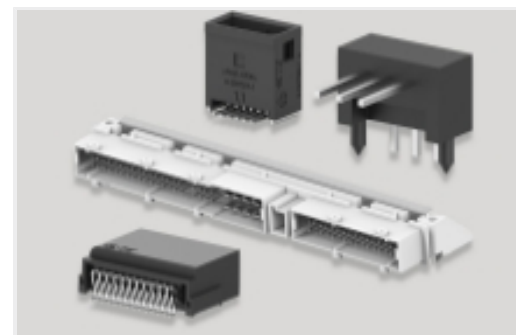
### Also in the Series | AMPMODU Headers



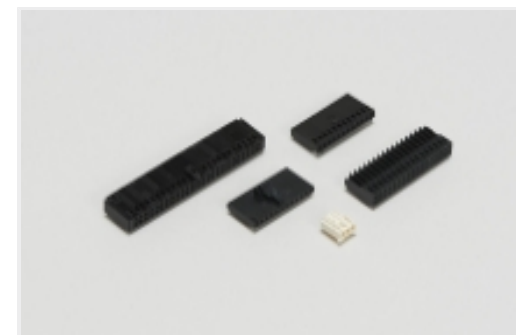
Connector Contacts(52)



Connector Hardware(1)



PCB Headers & Receptacles(1618)



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

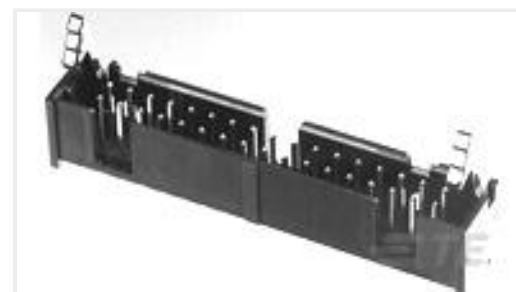
### Customers Also Bought



TE Part #292174-4  
CT BOX HDR V SMT 4P O/TAPE NAT



TE Part #87215-2  
10 MODII HDR DRST UNSHRD .100



TE Part #2-1761608-7  
IDC LOW PRO HDR 20P VERT SHT L



TE Part #3-1393239-6  
RT174005



TE Part #1-770873-0  
03P MINI UMNL HDR ASSY SN



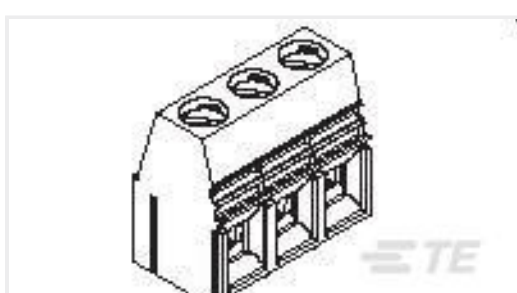
TE Part #2834167-3  
RELEASABLE SLIM CONTACT



TE Part #1551573-5  
Shield Finger, Loose Piece



TE Part #1-1658527-4  
622-5030LF FEM SOCKET, LEAD FREE



TE Part #1986660-2  
2 Posn Power Connector, Green, 10.16 mm



TE Part #CONSMB006-G  
SMB Plug 50 Ohm PCB Through Hole



## Documents

### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-146278-4\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-146278-4\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-146278-4\\_E.3d\\_stp.zip](#)

English

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