

5-147292-1  ACTIVE

## AMPMODU | AMPMODU Headers

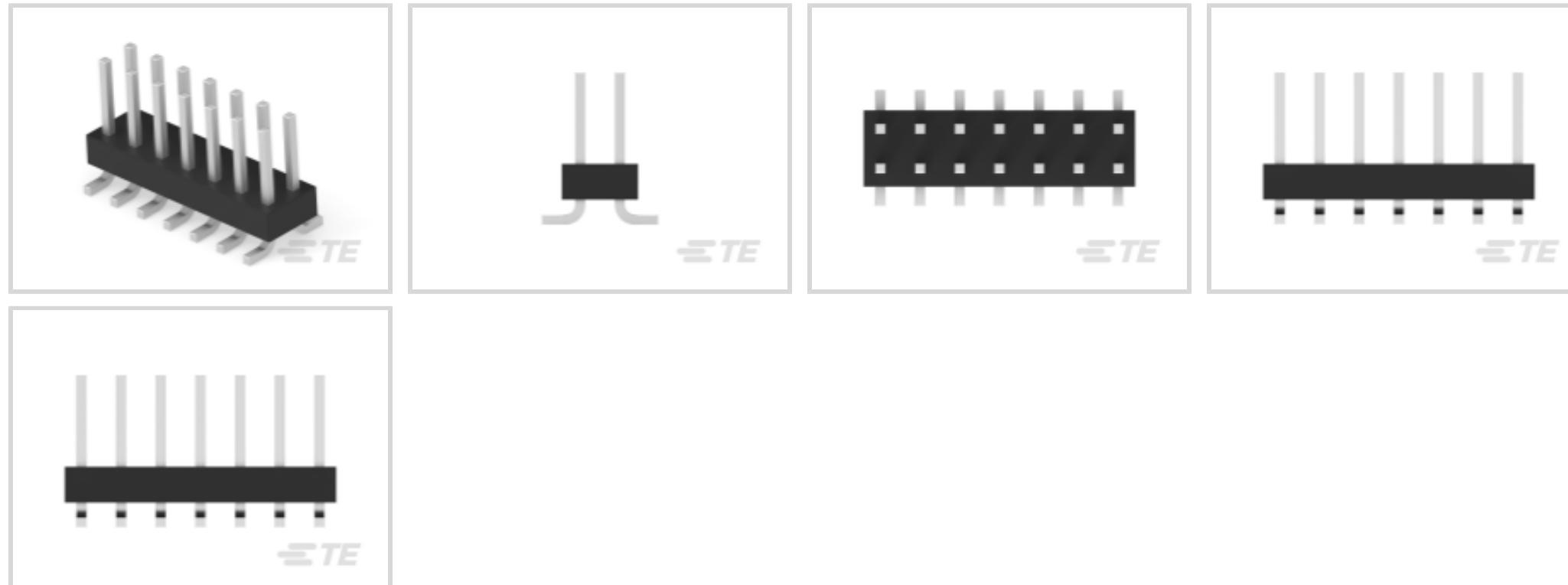
TE Internal #: 5-147292-1

PCB Mount Header, Right Angle, Board-to-Board, 14 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin, Surface Mount, Signal, Black, AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **14**

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	Right Angle
Number of Positions	14
Number of Rows	2

### Body Features

Connector Profile	Standard
Primary Product Color	Black

### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
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 $\mu\text{m}$ [100 - 200 $\mu\text{in}$ ]
Contact Type	Pin
Contact Current Rating (Max)	3 A

#### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to Printed Circuit Board	Surface Mount

#### 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	LCP (Liquid Crystal Polymer)

#### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.6 mm[.063 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

UL Flammability Rating

UL 94V-0

**Packaging Features**

Packaging Quantity

250

Packaging Method

Reel

**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

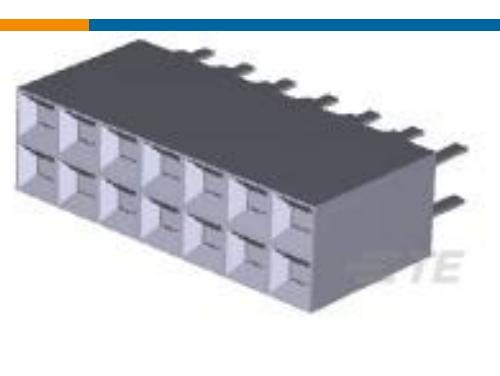
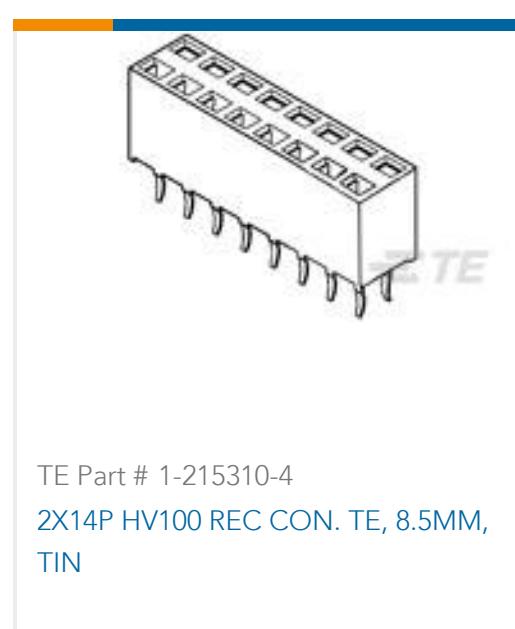
Low Bromine/Chlorine - Br and Cl < 900  
ppm per homogenous material. Also BFR  
/CFR/PVC Free

Solder Process Capability

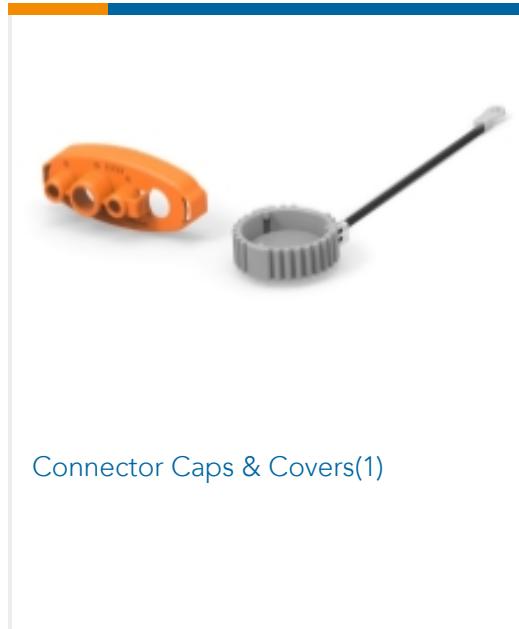
Reflow solder capable to 260°C

## Product Compliance Disclaimer

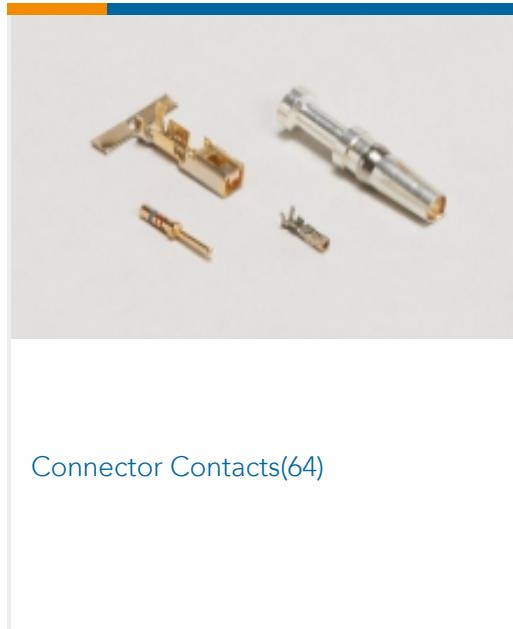
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 6-146762-2  
14 MODII RCPT VERT DRTE Part # 1-215310-4  
2X14P HV100 REC CON. TE, 8.5MM,  
TIN

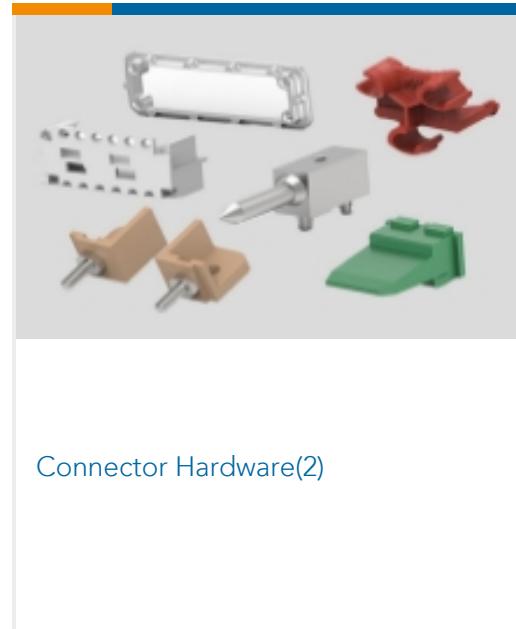
## Also in the Series | AMPMODU Headers



Connector Caps &amp; Covers(1)



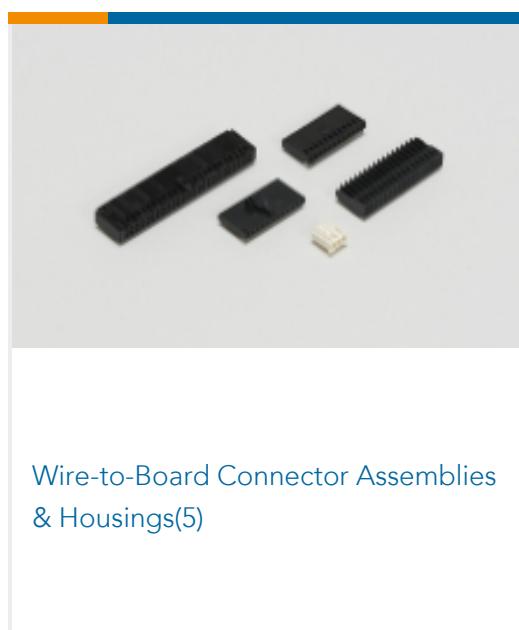
Connector Contacts(64)



Connector Hardware(2)



PCB Headers &amp; Receptacles(4122)



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

## Customers Also Bought

TE Part # 1-640457-1  
11P MTA100 HDR ASSY SQ R/A F/LTE Part # 1462038-1  
IM02CGR=IM RELAY 140mW 4.5V HDVTE Part # 1623141-1  
CRG0805 1% 1M0TE Part # 7-2176371-9  
RQ 0603 30K1 0.1% 10PPM 5K RLTE Part # 8-1393480-5  
V23529B1223C209=SUB D STIFTLEITE Part # 2176469-3  
TLRP 2010 2.0W R030 1% 75PPM 4K RL

## Documents

### Product Drawings

14 MODII HDR DR SFMT B/A T&amp;R

English

### CAD Files

3D PDF

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-147292-1\\_M.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-147292-1\\_M.3d\\_jgs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-147292-1\\_M.3d\\_stp.zip](#)

English

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