

8-146274-6  ACTIVE

## AMPMODU | AMPMODU Headers

TE Internal #: 8-146274-6

PCB Mount Header, Vertical, Board-to-Board, 36 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



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **36**

Number of Rows: **1**

## 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	36
Number of Rows	1
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]

100 – 200  $\mu$ in

Contact Shape &amp; Form

Square

Contact Underplating Material

Nickel

PCB Contact Termination Area Plating Material

Tin

Contact Base Material

Phosphor Bronze

Contact Mating Area Plating Material

Tin

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 &amp; Tail Dimension

.64 mm [.025 in]

Termination Post &amp; Tail Length

3.18 mm [.125 in]

Termination Method to PCB

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

LCP (Liquid Crystal Polymer), LCP-GF  
(Liquid Crystal Polymer)**Dimensions**

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

100

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: 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

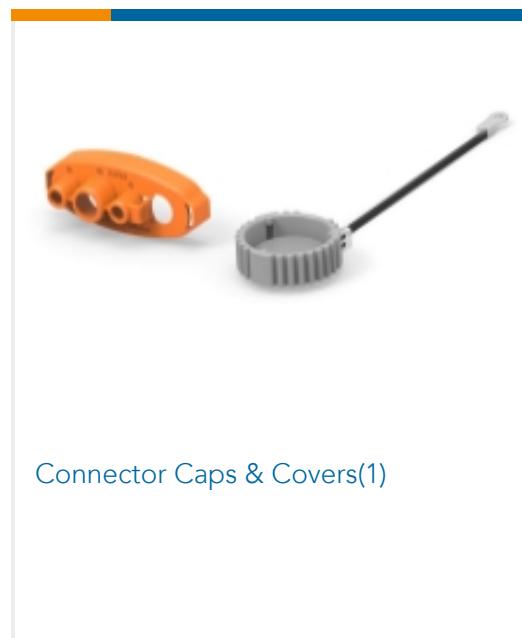
## Product Compliance Disclaimer

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>

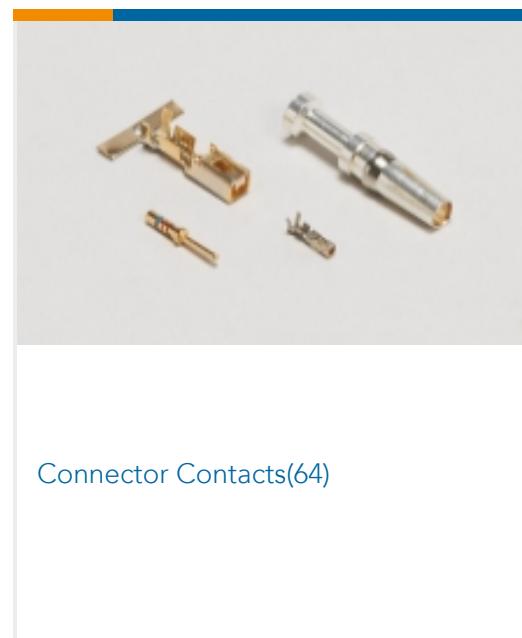
**Compatible Parts**

TE Part # 8-146763-4  
36 MODII VRT SR CE 100

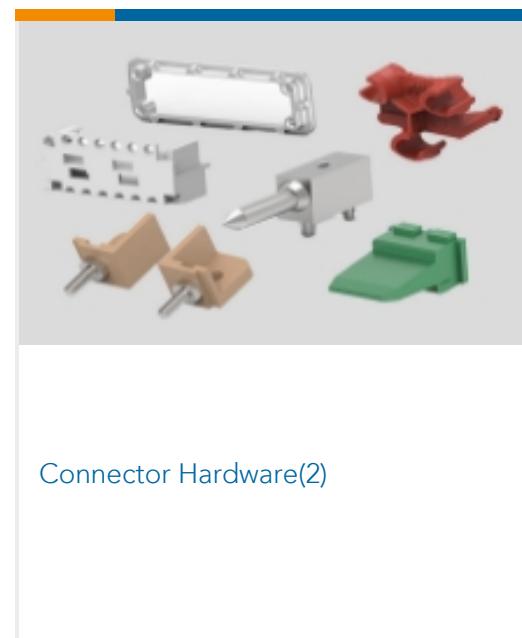
## Also in the Series | AMPMODU Headers



Connector Caps &amp; Covers(1)



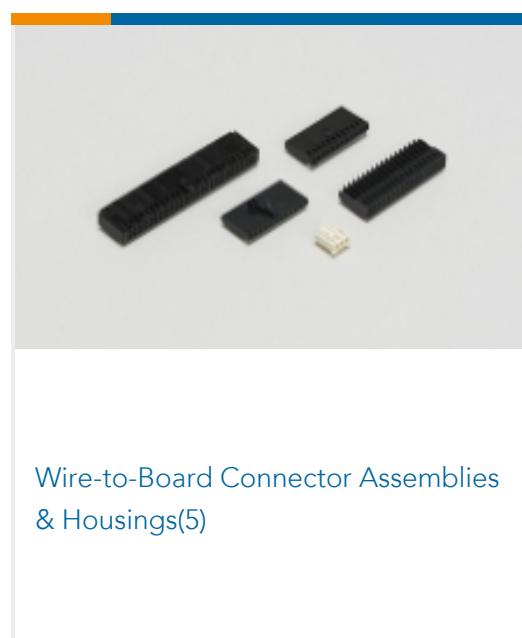
Connector Contacts(64)



Connector Hardware(2)



PCB Headers &amp; Receptacles(3202)



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

## Customers Also Bought

TE Part #281839-3  
HOUSING HE13 HE14 COSI 2X3 PTE Part #179228-5  
CT CRIMP TYPE REC HSGTE Part #5-104935-3  
03 MTE HDR SRRA LATCHTE Part #1-104257-5  
16 MTE RCPT HSG SR LATCH .100TE Part #8-1415029-1  
PB114012TE Part #4-1614884-1  
CPF 0805 100R 0.1% 25PPM 1K RLTE Part #1-1614884-7  
CPF 0805 10R 0.1% 25PPM 1K RLTE Part #4-1393122-3  
KHAU-17D11-12-KH



## Documents

### Product Drawings

#### 36 MODII HDR SRST B/A .100CL

English

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### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_8-146274-6\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-146274-6\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-146274-6\\_E.3d\\_stp.zip](#)

English

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