

9-146253-0 ✓ ACTIVE

AMPMODU | AMPMODU Headers

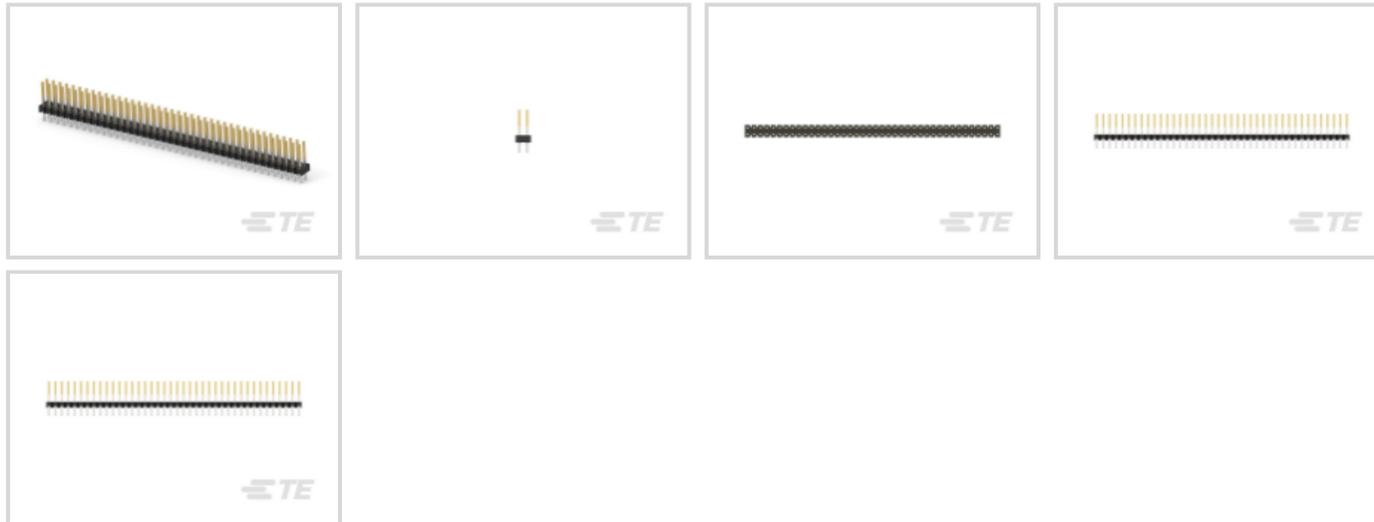
TE Internal #: 9-146253-0

PCB Mount Header, Vertical, Board-to-Board, 80 Position, 2.54 mm  
[.1 in] Centerline, Breakaway, Gold (Au), Through Hole - Solder,  
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **80**

Number of Rows: **2**

Centerline (Pitch): **2.54 mm [.1 in]**

## Features

### Product Type Features

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

### Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions              | 80           |
| Number of Rows                   | 2            |
| PCB Mount Orientation            | Vertical     |
| Board-to-Board Configuration     | Parallel     |

### Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 30 VAC |
|-------------------|--------|



### Body Features

|                       |          |
|-----------------------|----------|
| Connector Profile     | Standard |
| Primary Product Color | Black    |

### Contact Features

|  |                 |
|--|-----------------|
|  | 100 – 200 µin   |
| Contact Underplating Material                        | Nickel          |
| PCB Contact Termination Area Plating Material Finish | Matte           |
| 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 Thickness       | .762 µm[30 µin] |
| Contact Mating Area Plating Material                 | Gold (Au)       |
| Contact Type   | Pin             |
| Contact Current Rating (Max)                         | 3 A             |

### Termination Features

|  |                       |
|--|-----------------------|
| Termination Post & Tail Length           | 3.18 mm[.125 in]      |
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Method to PCB                | Through Hole - Solder |

### Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
| Mating Alignment        | Without     |
| PCB Mount Alignment     | Without     |
| PCB Mount Retention     | Without     |

### 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 | 50     |
| Packaging Method   | Carton |

### Product Compliance

[For compliance documentation, visit the product page on 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 4-534206-0  
80 MODII VRT DR CE 100/115

## Also in the Series | AMPMODU Headers



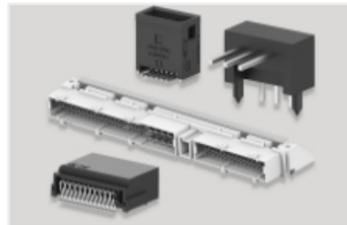
Automotive Headers(3)



Connector Contacts(15)



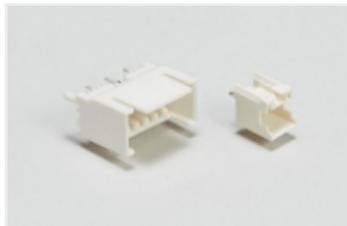
Connector Hardware(1)



PCB Headers & Receptacles(1173)



Rectangular Power Connectors(25)

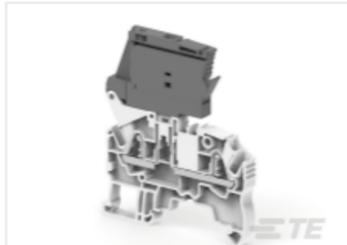


Wire-to-Board Headers & Receptacles  
(78)

## Customers Also Bought



TE Part #1SNA400305R1000  
D70/22



TE Part #1SNK706410R0000  
ZK2.5-SF



TE Part #1SNK705012R0000  
ZK2.5-4P



TE Part #1SNK705911R0000  
EK2.5-3P



## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_9-146253-0\\_E.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_9-146253-0\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_9-146253-0\\_E.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