



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

Number of Rows: **1**

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 |
| Board-to-Board Configuration     | Parallel     |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 40           |
| Number of Rows                   | 1            |

Electrical Characteristics

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

Body Features

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

Contact Features



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

Termination Features

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

Mechanical Attachment

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

Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | LCP, LCP GF    |
| Centerline (Pitch) | 2.54 mm[.1 in] |

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>

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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







Also in the Series | AMPMODU Headers

|                                 |                                            |                                                  |                                           |
|---------------------------------|--------------------------------------------|--------------------------------------------------|-------------------------------------------|
|                                 |                                            |                                                  |                                           |
| Automotive Headers(1)           | Board-to-Board Headers & Receptacles(1576) | Connector Contacts(47)                           | Connector Hardware(1)                     |
|                                 |                                            |                                                  |                                           |
| PCB Headers & Receptacles(1621) | Rectangular Power Connectors(43)           | Wire-to-Board Connector Assemblies & Housings(5) | Wire-to-Board Headers & Receptacles (114) |

Customers Also Bought

|                                                                       |                                                        |                                                                      |                                             |
|-----------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------|
|                                                                       |                                                        |                                                                      |                                             |
| TE Part #6-1879627-9<br>H4P 6K8 1% 100PPM                             | TE Part #NB18092001<br>RNF-100-1-1/4-BK-STK            | TE Part #8-2176316-1<br>MELF SMA-A 22R 1% 50PPM 0207 1W              | TE Part #6-1393250-7<br>W28-XT1A-20=W28     |
|                                                                       |                                                        |                                                                      |                                             |
| TE Part #625380-000<br>D-110-0101                                     | TE Part #9-146256-0<br>80 MODII HDR DRST B/A .100CL LF | TE Part #T4171130012-001<br>M12,REAR MOUNT,FEMALE, A, 12P, 0.2M WIRE | TE Part #1-1623793-0<br>SQP5 3K3 5% MTL FLM |
|                                                                       |                                                        |                                                                      |                                             |
| TE Part #YD369-G99-NP400000<br>369 9 WAY INLINE 90 PCB REC, GOLD, PIN | TE Part #2071448-8<br>ORWH-SH-112DM1F,000              |                                                                      |                                             |



Documents

Product Drawings

40 MODII HDR SRST B/A .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_9-146278-0\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_9-146278-0\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_9-146278-0\_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