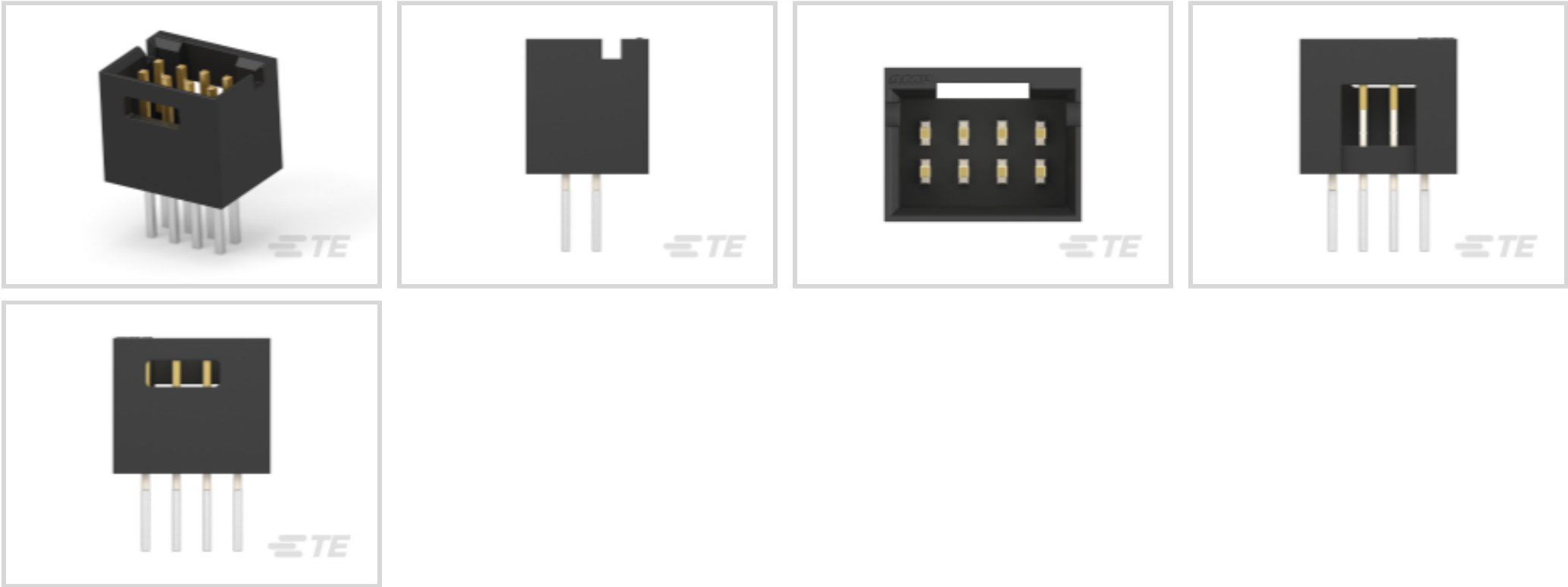




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board, Board-to-Board**

Number of Positions: **8**

Number of Rows: **2**

Features

Dimensions

|                    |                |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

Usage Conditions

|                            |      |
|----------------------------|------|
| Housing Temperature Rating | High |
|----------------------------|------|

Electrical Characteristics

|                                       |          |
|---------------------------------------|----------|
| Insulation Resistance                 | 5000 MΩ  |
| Dielectric Withstanding Voltage (Max) | 750 Vrms |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 230  |
| Packaging Method   | Tray |

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| Compatible With Agency/Standards Products   | CSA                   |
| Compatible With Approved Standards Products | UL E28476, CSA LE7189 |
| UL Flammability Rating                      | UL 94V-0              |

Mechanical Attachment

|  |  |
|--|--|
|  |  |
|--|--|

|                          |                       |
|--------------------------|-----------------------|
| Mating Retention Type    | Detent Window         |
| Mating Retention         | With                  |
| Mating Alignment Type    | Polarization          |
| PCB Mount Retention Type | Action/Compliant Tail |
| PCB Mount Retention      | With                  |
| PCB Mount Alignment      | With                  |
| Connector Mounting Type  | Board Mount           |
| Mating Alignment         | With                  |

Termination Features

|                                          |                          |
|------------------------------------------|--------------------------|
| Termination Post & Tail Length           | 6.35 mm[.25 in]          |
| Square Termination Post & Tail Dimension | .64 mm[.025 in]          |
| Termination Method to PCB                | Through Hole - Press-Fit |

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Underplating Material                           | Nickel                        |
| Contact Mating Area Plating Material Thickness          | .762 μm[30 μin]               |
| Mating Square Post Dimension                            | .64 mm[.025 in]               |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 μm[100 – 200 μin] |
| Contact Shape & Form                                    | Square                        |
| Contact Base Material                                   | Copper Alloy                  |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Mating Area Plating Material                    | Gold                          |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 3 A                           |

Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Thermoplastic  |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| Board-to-Board Configuration     | Parallel     |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 8            |
| Number of Rows                   | 2            |



Product Type Features

|                                   |                               |
|-----------------------------------|-------------------------------|
| PCB Connector Assembly Type       | PCB Mount Header              |
| Connector System                  | Wire-to-Board, Board-to-Board |
| Header Type                       | Fully Shrouded                |
| Connector & Contact Terminates To | Printed Circuit Board         |

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                          |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                    |

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>



Also in the Series | AMPMODU Headers

|                                 |                                                  |                                           |                       |
|---------------------------------|--------------------------------------------------|-------------------------------------------|-----------------------|
|                                 |                                                  |                                           |                       |
| Automotive Headers(3)           | Board-to-Board Headers & Receptacles(1571)       | Connector Contacts(52)                    | Connector Hardware(1) |
|                                 |                                                  |                                           |                       |
| PCB Headers & Receptacles(1618) | Wire-to-Board Connector Assemblies & Housings(5) | Wire-to-Board Headers & Receptacles (116) |                       |

Customers Also Bought

|                                                      |                                                     |                                                                |                                                      |
|------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------|
|                                                      |                                                     |                                                                |                                                      |
| TE Part #2-1462038-1<br>IM43NS=IM RELAY 100mW 5V BIS | TE Part #5787962-2<br>.8MM CHAMP STACK RCPT ASSY    | TE Part #1-84953-1<br>1MM FPC HORZ.TOP CONT.ASSY 11P           | TE Part #5-534237-1<br>03 MODII VRT SR CE 100/115    |
|                                                      |                                                     |                                                                |                                                      |
| TE Part #90759-2<br>PROCRIMP DIE MINI UNIV MNL       | TE Part #1676703-3<br>RN 0805 49R9 0.1% 10PPM 5K RL | TE Part #2118722-2<br>STD SHIELD FRAME, CRS-38.10X25.40X6.00MM | TE Part #2029058-3<br>3P VAL-U-LOK SR HDR SN V2 WODH |



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-102699-3\_M.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-102699-3\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-102699-3\_M.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

Product Specifications

Application Specification

English