



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **2**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header             | No                    |
| Connector Shape                   | Rectangular           |
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Columns                | 4            |
| Number of Loaded Positions       | 8            |
| Number of Power Positions        | 8            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |



|                     |   |
|---------------------|---|
| Number of Positions | 8 |
| Number of Rows      | 2 |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Body Features

|                                        |                 |
|----------------------------------------|-----------------|
| PCB Retention Feature Material         | Phosphor Bronze |
| PCB Retention Feature Plating Material | Tin             |
| Primary Product Color                  | Black           |

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Underplating Material                           | Nickel                        |
| Contact Underplating Material Thickness                 | 1.27 – 2.54 µm[50 – 100 µin]  |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Size                                            | .64mm                         |
| Contact Mating Area Plating Material Thickness          | 2.54 – 7.62 µm[100 – 300 µin] |
| Mating Square Post Dimension                            | .64 mm[.025 in]               |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 7.62 µm[100 – 300 µin] |
| Contact Shape & Form                                    | Square                        |
| Contact Layout                                          | Matrix                        |
| Contact Mating Area Length                              | 4.15 mm[.163 in]              |
| Contact Base Material                                   | Brass                         |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Mating Area Plating Material Finish             | Matte                         |
| Contact Mating Area Plating Material                    | Tin (Sn)                      |
| Contact Type                                            | Tab                           |
| Contact Current Rating (Max)                            | 5 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

|                       |             |
|-----------------------|-------------|
| Panel Mount Feature   | Without     |
| Mating Retention Type | Locking Tab |
|                       |             |



|                          |                           |
|--------------------------|---------------------------|
| Mating Retention         | With                      |
| Mating Alignment Type    | Polarization              |
| PCB Mount Retention Type | Hold-Down, Retention Bump |
| PCB Mount Retention      | With                      |
| PCB Mount Alignment      | Without                   |
| Connector Mounting Type  | Board Mount               |
| Mating Alignment         | With                      |

Housing Features

|                       |                        |
|-----------------------|------------------------|
| Mating Entry Location | Top                    |
| Housing Material      | High Temperature Nylon |
| Centerline (Pitch)    | 3 mm[.118 in]          |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 3 mm[.118 in]    |
| Connector Width             | 8.67 mm[.341 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Connector Height            | 9.24 mm[.364 in] |
| Connector Length            | 16 mm[.63 in]    |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|                                             |                           |
|---------------------------------------------|---------------------------|
| Compatible With Agency/Standards Products   | CNR, USR                  |
| UL Rating                                   | Recognized                |
| Compatible With Approved Standards Products | UL E28476                 |
| Glow Wire Rating                            | GWT 750°C (Without Flame) |
| UL Flammability Rating                      | UL 94V-0                  |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 234  |
| Packaging Method   | Tray |



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 Halogen - Br, Cl, F, I < 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



Also in the Series | [Micro MATE-N-LOK](#)



Connector Contacts(27)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(371)



Power Contacts(27)



Rectangular Connector Housings(98)



Rectangular Power Connectors(469)



Wire-to-Board Headers & Receptacles (371)

Customers Also Bought



TE Part #1-1393258-1  
V23047-A1021-A501



TE Part #2-1445054-2  
MICRO MNL HDR ASSY S/ROW LF



TE Part #4-794680-6  
16P MICRO MNL ASSY,VRT,THRU LF



TE Part #2-5353512-0  
ON TAPING (EMBOSS) 0.5MM FS CO



TE Part #2-1445051-2  
MICRO MNL HDR ASSY S/ROW LF



TE Part #4-1904065-7  
V23720A0002A001-EV-CBOX



TE Part #4-794636-6  
16P MICRO MNL ASSY,VRT,SMT,LF



TE Part #4-794677-2  
12POS MICRO MNL ASSY,R/A,THRU



TE Part #1-1393236-3  
V23092A1012A801



TE Part #4-794677-8  
18POS MICRO MNL ASSY,R/A,THRU

Documents



Product Drawings

08P MICRO MNL ASSY,VRT,THRU LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-794680-8\_G.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-794680-8\_G.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-794680-8\_G.3d\_stp.zip

English

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

Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

MICRO MATE-N-LOK CONNECTOR SYSTEM

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English