



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**

Centerline (Pitch): **.8 mm [.031 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| 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     |
| Stackable                        | No           |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 40           |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 125 VAC |
| Impedance         | 100 Ω   |



|                                       |         |
|---------------------------------------|---------|
| Insulation Resistance                 | 2 MΩ    |
| Dielectric Withstanding Voltage (Max) | 675 VAC |

Body Features

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

Contact Features

|                                               |                     |
|-----------------------------------------------|---------------------|
| Mating Tab Width                              | .38 mm[.015 in]     |
| Contact Shape & Form                          | Single Beam, Square |
| Contact Base Material                         | Phosphor Bronze     |
| Mating Tab Thickness                          | .2 mm[.008 in]      |
| PCB Contact Termination Area Plating Material | Gold                |
| Contact Mating Area Plating Material          | Gold Flash          |
| Contact Type                                  | Pin                 |
| Contact Current Rating (Max)                  | 1.25 A, 9.5 A       |

Termination Features

|                                               |                |
|-----------------------------------------------|----------------|
| Rectangular Termination Post & Tail Width     | .9 mm[.035 in] |
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Termination Method to PCB                     | Surface Mount  |

Mechanical Attachment

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

Housing Features

|                    |                              |
|--------------------|------------------------------|
| Housing Material   | LCP (Liquid Crystal Polymer) |
| Centerline (Pitch) | .8 mm[.031 in]               |

Dimensions

|                  |                  |
|------------------|------------------|
| Stack Height     | 22 mm[.866 in]   |
| Connector Height | 21.36 mm[.84 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 125 °C[-85 – 257 °F] |
|-----------------------------|----------------------------|



Operation/Application

|                          |                |
|--------------------------|----------------|
| Assembly Process Feature | None           |
| Circuit Application      | Power & Signal |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 36        |
| Packaging Method   | Box, 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



TE Part # 6-1658043-1  
[MSB0.80RC-ASY040FL,GP,F,-TR](#)



TE Part # 2-1658012-1  
[MSB0.80RC-ASY040FL,-,10,-TY](#)



TE Part # 2-1658043-1  
[MSB0.80RC-ASY040FL,-,F,-TY](#)



TE Part # 6-1658012-1  
[MSB0.80RC-ASY040FL,GP,10,-TR](#)



TE Part # 4-1658462-1  
[MSB0.80RC-ASY040FL,GP,30,-TR](#)



TE Part # 1658012-1  
[MSB0.80RC-ASY040FL,-,10,-TY](#)



TE Part # 1658043-1  
[MSB0.80RC-ASY040FL,-,F,-TY](#)



TE Part # 4-1658043-1  
[MSB0.80RC-ASY040FL,GP,F,-TR](#)



TE Part # 6-1658462-1  
[MSB0.80RC-ASY040FL,GP,30,-TR](#)



TE Part # 4-1658012-1  
[MSB0.80RC-ASY040FL,GP,10,-TR](#)



TE Part # 1658462-1  
[MSB0.80RC-ASY040FL,-,30,-TY](#)



TE Part # 2-1658462-1  
[MSB0.80RC-ASY040FL,-,30,-TY](#)

Customers Also Bought



TE Part #8-1676970-5  
[RN 0603 562R 0.1% 10PPM 1K RL](#)



TE Part #5-1625868-5  
[RP 2A 0.25W 19R6 0.1% 25PPM 1K RL](#)



TE Part #1879133-4  
[RN 0603 845R 0.1% 10PPM 1K RL](#)



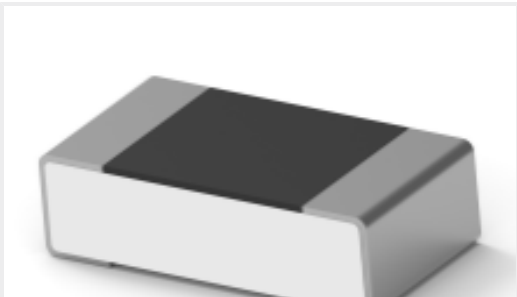
TE Part #4-1676731-4  
[RN 0805 4K99 0.1% 5PPM 5K RL](#)



TE Part #1-1734248-7  
[1.0 FPC, ZIF V/T, SMT, 17P](#)



TE Part #4-1676731-5  
[RN 0805 2K0 0.1% 5PPM 5K RL](#)



TE Part #5-2176366-3  
[RQ 0603 1K5 0.1% 10PPM 1K RL](#)



TE Part #4-1676731-6  
[RN 0805 226R 0.1% 5PPM 5K RL](#)



TE Part #1-534236-0  
20 MODII VRT DR CE 100/120



TE Part #4-1879128-1  
RN 0402 750R 0.1% 10PPM 1K RL

Documents

Product Drawings

MSB0.80PL22ASY040FL,-,F,-TY

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1658049-1\_L.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1658049-1\_L.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1658049-1\_L.3d\_stp.zip

English

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

Datasheets & Catalog Pages

MICTOR SB Interconnection System

English

Product Specifications

Application Specification

English