



**MICTOR**

TE Internal #: 2-1658012-2

PCB Mount Receptacle, Vertical, Board-to-Board, 80 Position, .8 mm [.031 in] Centerline, Fully Shrouded, Gold, Surface Mount, Power & Signal, Black

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **80**

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

**Features**

**Product Type Features**

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Receptacle  |
| Connector System                  | Board-to-Board        |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

**Configuration Features**

|                                  |              |
|----------------------------------|--------------|
| Stackable                        | No           |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 80           |
| Board-to-Board Configuration     | Parallel     |

**Electrical Characteristics**

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



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

### Body Features

|                                   |                |
|-----------------------------------|----------------|
| Assembly Process Feature Material | Polyimide Film |
| Primary Product Color             | Black          |

### Contact Features

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| PCB Contact Termination Area Plating Material Thickness | .25 μm[9.8425 μin] |
| Mating Tab Width                                        | .38 mm[.015 in]    |
| Mating Tab Thickness                                    | .2 mm[.008 in]     |
| Contact Shape & Form                                    | Single Beam        |
| PCB Contact Termination Area Plating Material           | Gold               |
| Contact Base Material                                   | Phosphor Bronze    |
| Contact Mating Area Plating Material                    | Gold               |
|                                                         | 9.8425 μin         |
| Contact Type                                            | Socket             |
| Contact Current Rating (Max)                            | 1.25 A, 9.5 A      |

### Termination Features

|                                               |                 |
|-----------------------------------------------|-----------------|
| Rectangular Termination Post & Tail Thickness | .15 mm[.006 in] |
| Rectangular Termination Post & Tail Width     | 1.77 mm[.07 in] |
| Termination Method to Printed Circuit Board   | Surface Mount   |

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

|                  |                 |
|------------------|-----------------|
| Connector Height | 3.05 mm[.12 in] |
|------------------|-----------------|



.136 in

Stack Height

5 mm, 8 mm, 11 mm, 16 mm, 19 mm, 22 mm, 25 mm, 30 mm[1.181 in]

### Usage Conditions

Operating Temperature Range

-65 – 125 °C[-85 – 257 °F]

### Operation/Application

Assembly Process Feature

Pick and Place Cover

Circuit Application

Power &amp; Signal

### Industry Standards

UL Flammability Rating

UL 94V-0

### Packaging Features

Packaging Quantity

56

Packaging Type

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: JUNE 2023 (235)  
Candidate List Declared Against: JAN 2023 (233)  
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 # 1658015-2  
MSB0.80PL11ASY080FL,-,10,-TY



TE Part # 1658018-2  
MSB0.80PL22ASY080FL,-,10,-TY



TE Part # 1658019-2  
MSB0.80PL25ASY080FL,-,10,-TY



TE Part # 1658046-2  
MSB0.80PL11ASY080FL,-,F,-TY



TE Part # 1658438-2  
MSB0.80PL14ASY080FL,-,10,-TY



TE Part # 2-1658045-2  
MSB0.80PL8ASY080FL,-,F,-TY



TE Part # 6-1658016-2  
MSB0.80PL16ASY080FL,GP,10,-TR



TE Part # 1658050-2  
MSB0.80PL25ASY080FL,-,F,-TY



TE Part # 2-1658013-2  
MSB0.80PL5ASY080FL,-,10,-TY



TE Part # 6-1658013-2  
MSB0.80PL5ASY080FL,GP,10,-TR



TE Part # 6-1658466-2  
MSB0.80PL16ASY080FL,GP,30,-TR



TE Part # 1658014-2  
MSB0.80PL8ASY080FL,-,10,-TY



TE Part # 1658013-2  
MSB0.80PL5ASY080FL,-,10,-TY



TE Part # 1658016-2  
MSB0.80PL16ASY080FL,-,10,-TY



TE Part # 1658017-2  
MSB0.80PL19ASY080FL,-,10,-TY



TE Part # 1658020-2  
MSB0.80PL30ASY080FL,-,10,-TY



TE Part # 1658044-2  
MSB0.80PL5ASY080FL,-,F,-TY



TE Part # 1658045-2  
MSB0.80PL8ASY080FL,-,F,-TY



TE Part # 1658047-2  
MSB0.80PL16ASY080FL,-,F,-TY

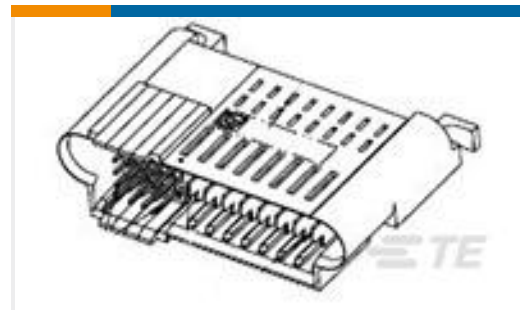


TE Part # 1658048-2  
MSB0.80PL19ASY080FL,-,F,-TY

## Customers Also Bought



TE Part #3-1623730-6  
BCHE 4 W 56R 5%



TE Part #1-1892786-1  
Assy Minipak HDL 20s8PRAPlugSc



TE Part #1-1986711-5  
SCREWLESS, SW,15P,5.0 PCB



TE Part #2176407-8  
3560 27K 1%



TE Part #9-2176363-8  
RQ 0402 4K42 0.1% 10PPM 5K RL



TE Part #1-2102061-1  
Mezalok, Socket, 114 p, 18 mm, 30 Au, TL



TE Part #5-644456-0  
20P MTA100 HDR ASSY (NARROW)



TE Part #2170746-1  
CAGE ASSY, 1X4, QSFP28, SPRING, LP



TE Part #2286121-1  
MULTIGIG RT2-R, DC, SPACE VPX  
MODULE 16E



TE Part #146127-1  
03 MODII HDR SRST B/A W/HD

## Documents

### Product Drawings

[MSB0.80RC-ASY080FL,-,10,-TY](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2-1658012-2\\_P.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-1658012-2\\_P.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-1658012-2\\_P.3d\\_stp.zip](#)

English

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## Datasheets & Catalog Pages

[MICTOR SB Interconnection System](#)

English

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## Product Specifications

[Application Specification](#)

English