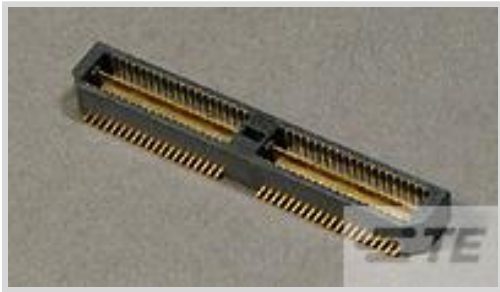




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**  
Connector System: **Board-to-Board**  
Number of Positions: **80**  
Centerline (Pitch): **.8 mm [ .031 in ]**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Impedance                             | 100 Ω   |
| Insulation Resistance                 | 2 MΩ    |
| Dielectric Withstanding Voltage (Max) | 675 VAC |
| Operating Voltage                     | 125 VAC |

Body Features

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



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

Contact Features

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Mating Tab Width                                        | .38 mm[.015 in]     |
| Contact Shape & Form                                    | Single Beam, Square |
| PCB Contact Termination Area Plating Material Thickness | .762 µm[29.92 µin]  |
| Contact Base Material                                   | Phosphor Bronze     |
| Mating Tab Thickness                                    | .2 mm[.008 in]      |
| Contact Mating Area Plating Material                    | Gold (Au)           |
| Contact Type                                            | Pin                 |
| Contact Current Rating (Max)                            | 1.25 A, 9.5 A       |
| PCB Contact Termination Area Plating Material           | Gold                |
| Contact Mating Area Plating Material Thickness          | .76 µm[29.92 µin]   |

Termination Features

|                                               |                 |
|-----------------------------------------------|-----------------|
| Rectangular Termination Post & Tail Width     | .94 mm[.037 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 |
| Connector Mounting Type  | Board Mount    |
| Mating Alignment         | Without        |
| PCB Mount Alignment      | With           |
| PCB Mount Retention      | With           |

Housing Features

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

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Connector Height            | 4.06 mm[.16 in] |
| Stack Height                | 5 mm[.197 in]   |
| PCB Thickness (Recommended) | 1.57 mm[.8 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 | 425         |
| Packaging Method   | Pocket Tape |

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 # 2-1658462-2  
MSB0.80RC-ASY080FL,-,30,-TY



TE Part # 6-1658012-2  
MSB0.80RC-ASY080FL,GP,10,-TR



TE Part # 1658043-2  
MSB0.80RC-ASY080FL,-,F,-TY



TE Part # 4-1658012-2  
MSB0.80RC-ASY080FL,GP,10,-TR



TE Part # 4-1658043-2  
MSB0.80RC-ASY080FL,GP,F,-TR



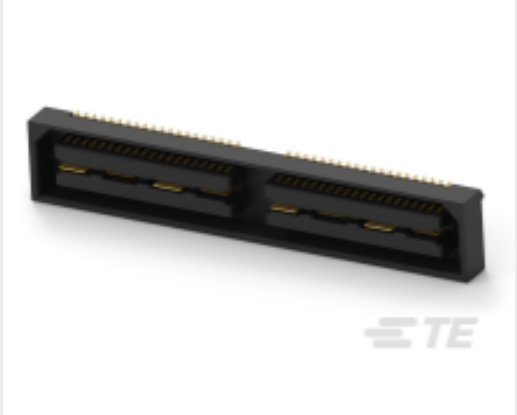
TE Part # 1658012-2  
MSB0.80RC-ASY080FL,-,10,-TY



TE Part # 1658462-2  
MSB0.80RC-ASY080FL,-,30,-TY



TE Part # 2-1658043-2  
MSB0.80RC-ASY080FL,-,F,-TY



TE Part # 6-1658043-2  
MSB0.80RC-ASY080FL,GP,F,-TR



TE Part # 4-1658462-2  
MSB0.80RC-ASY080FL,GP,30,-TR



TE Part # 6-1658462-2  
MSB0.80RC-ASY080FL,GP,30,-TR



TE Part # 2-1658012-2  
MSB0.80RC-ASY080FL,-,10,-TY

Customers Also Bought



TE Part #5-104076-2  
60 SYS50 HDR DRST SHRD W/SL SN



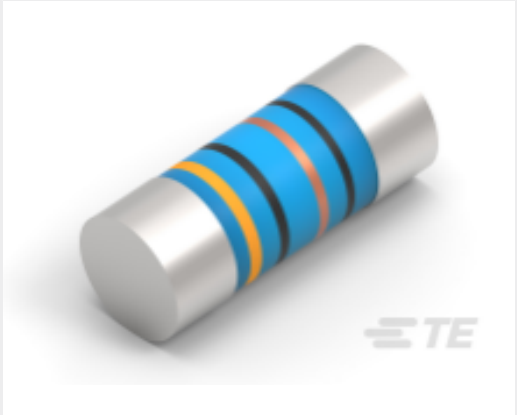
TE Part #3-1415020-1  
PT570N20



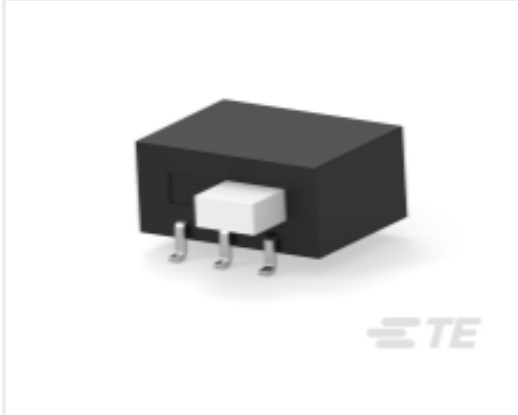
TE Part #1-1825006-9  
GDS10S04=DIP SW,SLIDE,SMT



TE Part #5146893-2  
1FHR,84,30A/S,S,C,S08,09,10



TE Part #2176314-4  
MELF SMA\_A 180R 0.1% 15PPM 0102 0.3W



TE Part #1-1437581-1  
ASE22RL=AUTOSLIDE DP



TE Part #1-928836-2  
MOD2 PIN WITH A-PIN L/P



TE Part #5-103911-3  
60 SYSTEM 50 RCPT ASSY DRRA



Documents

Product Drawings

MSB0.80PL5ASY080FL,GP,30,-TR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-1658463-2\_G.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-1658463-2\_G.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-1658463-2\_G.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