

1658017-5 ✓ ACTIVE

MICTOR

TE Internal #: 1658017-5

PCB Mount Header, Vertical, Board-to-Board, 200 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Power & Signal, Black

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **200**

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

### Features

#### Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
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	200
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

Primary Product Color	Black
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#### Contact Features

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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, Square
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.25 µm[9.8425 µin]
Contact Type	Pin
Contact Current Rating (Max)	1.25 A, 9.5 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.94 mm[.037 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	18.36 mm[.722 in]
Stack Height	19 mm[.748 in]
PCB Thickness (Recommended)	.06 mm[.25 in]

### Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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### Operation/Application

Assembly Process Feature	None
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Circuit Application

Power & Signal

**Industry Standards**

UL Flammability Rating

UL 94V-0

**Packaging Features**

Packaging Quantity

20

Packaging Type

Box, Tray

**Product Compliance**

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Not Yet Reviewed

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 2022 (224)  
 Candidate List Declared Against: JUN 2012 (84)  
 SVHC > Threshold:  
 Not Yet Reviewed

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

**Compatible Parts**



TE Part # 1658012-5  
MSB0.80RC-ASY200FL,-,10,-TY



TE Part # 1658043-5  
MSB0.80RC-ASY200FL,-,F,-TY



TE Part # 1658462-5  
MSB0.80RC-ASY200FL,-,30,-TY



TE Part # 2-1658012-5  
MSB0.80RC-ASY200FL,-,10,-TY



TE Part # 2-1658043-5  
MSB0.80RC-ASY200FL,-,F,-TY



TE Part # 2-1658462-5  
MSB0.80RC-ASY200FL,-,30,-TY

## Documents

### Product Drawings

[MSB0.80PL19ASY200FL,-,10,-TY](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1658017-5\\_N.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1658017-5\\_N.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1658017-5\\_N.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