



**CONNECTORS**

**BOARD-TO-BOARD HEADERS & RECEPTACLES**



✓ Active

TE CONNECTIVITY (TE)

# MSB0.80RC-ASY84DP,GP,F,VCTR

MICTOR | MICTOR SB

5-1658043-3

TE Internal Number: 5-1658043-3

EU RoHS Compliant

EU ELV Compliant

**Connector Style** Receptacle

**Connector System** Board-to-Board

**Number of Positions** 84

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

**Stack Height (mm)** 5, 8, 11, 16, 19, 22, 25, 30

**Stack Height (in)** 1.181

[↓ PRODUCT DRAWING](#)  
English

[↓ 3D PDF](#)

## DOCUMENTATION

Product Drawings

### RECEPTACLE ASSEMBLY, VERTICAL, 0.80MM CL, MICTOR SB

PDF (TIFF AVAILABLE)

English

CAD Files

### 3D PDF

PDF

English

### Customer View Model

2D\_DXF.ZIP

English

### Customer View Model

3D\_IGS.ZIP

English

### Customer View Model

3D\_STP.ZIP

English

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Product Specifications

Application Specification

### MICTOR SB Vertical Connectors For Surface Mount Technology (SMT) Printed Circuit (PC) Board Applications

PDF

English

Product Specification

### MICTOR SB (True SMT) Connector

PDF

English

Qualification Test Report

### MICTOR SB (True SMT) Connector

PDF

English

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## FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

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### Product Type Features

**Connector Style** Receptacle

**Connector System** Board-to-Board

**Connector & Contact Terminates To** Printed Circuit Board

**Row-to-Row Spacing** 3.47 mm [.136371 in]

**Series** MICTOR SB

**PCB Mounting Orientation** Vertical

**Connector Type** Connector Assembly

**Boss** With

**Product Type** Connector

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### Configuration Features

**Selectively Loaded** Differential Load

**Stackable** No

**Number of Positions** 84

**Number of Rows** 2

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### Electrical Characteristics

**Impedance** 50  $\Omega$

**Dielectric Withstanding Voltage (VAC)** 675

**Voltage (VAC)** 125

**Insulation Resistance (M $\Omega$ )** 5000

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## Body Features

**Polyamide Film Pad** Without

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## Contact Features

**Solder Tail Contact Plating Material** Gold over Nickel

**Contact Configuration** Single Beam

**Contact Mating Area Plating Material** Select Gold Flash

**Contact Current Rating (Max) (A)** 1.25, 9.5

**Contact Base Material** Phosphor Bronze

**Signal Contact Material** Phosphor Bronze

**Ground Contact Material** Phosphor Bronze

**Contact Type** Socket

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## Termination Features

**Termination Method to PC Board** Surface Mount

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## Mechanical Attachment

**Mating Alignment Type** Guide Post

**PCB Mount Retention** Without

**PCB Mount Alignment Type** Locating Posts

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## Housing Features

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

**Housing Material** LCP (Liquid Crystal Polymer)

**Housing Color** Black

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## Dimensions

**Stack Height (mm)** 5, 8, 11, 16, 19, 22, 25, 30

**Stack Height (in)** 1.181

**Height** 3.05 mm [ .119865 in ]

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## Usage Conditions

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

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## Operation/Application

**Assembly Process Feature** None

**Pick and Place Cover** Without

**For Use With** Header

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## Packaging Features

**Packaging Method** Pocket Tape

**Packaging Quantity** 475

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## Other

**Comment** Use of stand offs recommended. Contact Product Engineering for recommendations.

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Statement of Compliance

**Statement of Compliance**

PDF

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