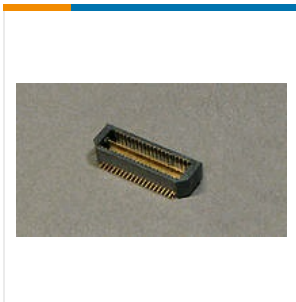




## BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

### MSB0.80PL5ASY040FL,GP,10,-TR

MICTOR | GP , MICTOR SB

6-1658013-1

TE Internal Number: 6-1658013-1

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **.8 mm [ .031 in ]**

Stack Height **5 mm [ .197 in ]**

Number of Positions **40**

Packaging Method **Pocket Tape**

### Product Drawings

[HEADER ASSEMBLY, 5.0MM \[.197\] VERTICAL, 0.80MM CL, PDF \(TIFF AVAILABLE\)](#)  
English

[HEADER ASSEMBLY, 5.0MM \[.197\] VERTICAL, 0.80MM CL, PDF \(TIFF AVAILABLE\)](#)  
English

### CAD Files

[Customer View Model](#)  
3D\_STP.ZIP  
English

[Customer View Model](#)  
3D\_IGS.ZIP  
English

[Customer View Model](#)  
2D\_DXF.ZIP  
English

[3D PDF](#)  
PDF  
English

### Catalog Pages/Data Sheets

[MICTOR SB Interconnection System](#)  
PDF  
English

### Product Specifications

Product Specification [MICTOR SB \(True SMT\) Connector](#)  
PDF  
English

Application Specification [MICTOR SB Vertical Connectors For Surface Mount Technology \(SMT\) Printed Circuit \(PC\) Board Applications](#)  
PDF  
English

Qualification Test Report [MICTOR SB \(True SMT\) Connector](#)  
PDF  
English

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	<b>Plug</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Row-to-Row Spacing	<b>4.73 mm [ .185889 in ]</b>
	Product Type	<b>Connector</b>
	Applies To	<b>Printed Circuit Board</b>
	Boss	<b>With</b>
	Series	<b>MICTOR SB</b>
	Connector System	<b>Board-to-Board</b>
Connector Type	<b>Connector Assembly</b>	

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Configuration Features	Number of Positions	<b>40</b>
	Number of Rows	<b>2</b>
	Selectively Loaded	<b>Fully Loaded</b>
	Stackable	<b>No</b>

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Electrical Characteristics	Voltage (VAC)	<b>125</b>
	Impedance	<b>50 <math>\Omega</math></b>
	Insulation Resistance (M $\Omega$ )	<b>5000</b>
	Dielectric Withstanding Voltage (VAC)	<b>675</b>

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Body Features	Polyamide Film Pad	<b>With</b>
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Contact Features	Contact Mating Area Plating Material	<b>Select Gold</b>
	Contact Mating Area Plating Thickness	<b>.25 <math>\mu\text{m}</math> [ 9.8425 <math>\mu\text{in}</math> ]</b>
	Signal Contact Material	<b>Phosphor Bronze</b>
	Contact Shape	<b>Square</b>
	Contact Current Rating (A)	<b>1.25, 9.5</b>
	Contact Type	<b>Pin</b>
	Ground Contact Material	<b>Phosphor Bronze</b>
	Contact Configuration	<b>Single Beam</b>
	Solder Tail Contact Plating Material	<b>Gold over Nickel</b>
	Solder Tail Contact Plating Thickness	<b>.25 <math>\mu\text{m}</math> [ 9.8425 <math>\mu\text{in}</math> ]</b>
	Contact Base Material	<b>Phosphor Bronze</b>

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Termination Features	Termination Method to PC Board	Surface Mount
Mechanical Attachment	Mating Alignment Type	<b>Guide Post</b>
	PCB Mount Retention	<b>Without</b>
	PCB Mount Alignment Type	<b>Locating Posts</b>
Housing Features	Centerline	<b>.8 mm [ .031 in ]</b>
	Housing Material	<b>LCP (Liquid Crystal Polymer)</b>
	Housing Color	<b>Black</b>
Dimensions	Stack Height	<b>5 mm [ .197 in ]</b>
	Height	<b>4.06 mm [ .159558 in ]</b>
Usage Conditions	Operating Temperature Range	<b>-65 – 125 °C [ -85 – 257 °F ]</b>
Operation/Application	Pick and Place Cover	<b>Without</b>
	Assembly Process Feature	<b>None</b>
	For Use With	<b>Receptacle Assembly</b>
Packaging Features	Packaging Method	<b>Pocket Tape</b>
	Packaging Quantity	<b>425</b>
Other	Comment	<b>Use of stand offs recommended. Contact Product Engineering for recommendations.</b>

Product Compliance [Statement of Compliance PDF](#)  
[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 12 Results

[View All](#)

Compare 0/10 

Relation Type 

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS





Connectors - Board-to-Board Headers & Receptacles  
MICTOR I GP, MICTOR SB

**MSB0.80RC-ASY040FL,  
GP, 10, -TR - 6-1658012-1**  
TE INTERNAL NUMBER: 6-1658012-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **.8 mm**

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

Number of Positions **40**

Packaging Method **Pocket Tape**



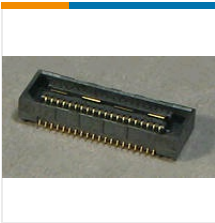
RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers & Receptacles  
MICTOR I GP, MICTOR SB

**MSB0.80RC-ASY040FL,  
GP, 30, -TR - 6-1658462-1**  
TE INTERNAL NUMBER: 6-1658462-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **.8 mm**

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

Number of Positions **40**

Packaging Method **Pocket Tape**



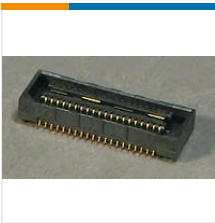
RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers & Receptacles  
MICTOR I GP, MICTOR SB

**MSB0.80RC-ASY040FL,  
GP, 10, -TR - 4-1658012-1**  
TE INTERNAL NUMBER: 4-1658012-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **.8 mm**

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

Number of Positions **40**

Packaging Method **Pocket Tape**

