



3-1658012-1 Product Details

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TE Internal Number: 3-1658012-1
 Active

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MICTOR SB Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- MICTOR SB Product Line
- Board-to-Board
- Connector
- Connector Assembly
- Connector Style = Receptacle

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- RECEPTACLE ASSEMBLY, VERTICAL 0.80MM CL, (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- MICTOR SB (True SMT) Connector (PDF, English)

Application Specifications:

- MICTOR SB Vertical Connectors for Surface Mount Tech... (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- 2D Drawing (DXF, Version M)
- 3D Model (IGES, Version M)
- 3D Model (STEP, Version M)

Additional Information:

- Product Line Information
- High Speed MICTOR SB Cable Assemblies

Related Products:

- Tooling

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Line = MICTOR SB
- Product Type = Connector
- Connector Type = Connector Assembly

Electrical Characteristics:

- Impedance (Ω) = 50

Termination Features:

- Solder Tail Contact Plating = Gold over Nickel

Body Features:

- Polyamide Film Pad = With

Contact Features:

- Contact Loading Pattern = Differential Load
- Contact Plating, Mating Area, Material = Select Gold
- Contact Material (Ground) = Phosphor Bronze
- Contact Material (Signal) = Phosphor Bronze

Housing Features:

- Connector Style = Receptacle
- Centerline (mm [in]) = 0.80 [0.031]
- Housing Color = Black
- Housing Material = Liquid Crystal Polymer (LCP)

Configuration Features:

- Number of Positions = 28
- Stack Height (mm [in]) = 5.00 [0.197], 8.00 [0.315], 11.00 [0.433], 16.00 [0.630], 19.00 [0.748], 22.00 [0.866], 25.00 [0.984], 30.00 [1.181]

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:

- Applies To = Printed Circuit Board
- Temperature Range (°C) = -65 - +125

Operation/Application:

- Application Use = Board-to-Board

Packaging Features:

- Packaging Method = Tray

Other:

- Brand = AMP
- Comment = Use of stand offs recommended. Contact Product Engineering for recommendations.

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