



Part Number : [MR-251-009-325-220S](#)

Product Description : AirBorn M Series, Micro-D Low-Profile Board Mount Plug, 0.050" (1.27mm) Pitch, Right-Angle, Through Hole, Narrow Footprint, with Mounting Holes, Plastic Shell, 0.109" Tail Length, Tin/Lead Alloy Termination Plating, Fixed Jacknuts, 9 Circuits

Status : Active

Product Category : I/O Connectors

Documents and Resources

Specifications

[M Series Micro-D Materials Specification](#)

[Performance Specification](#)

[PC Board Layout - Standard Polarization \(009 - 37 Contacts\)](#)

[PC Board Layout - Standard Polarization \(51 - 100 Contacts\)](#)

[PC Board Layout - Reverse Polarization \(009 - 37 Contacts\)](#)

[PC Board Layout - Reverse Polarization \(51 - 100 Contacts\)](#)

[Wire Codes \(page 1\) MA-3](#)

[Hardware Details](#)

[Hardware Keying Chart](#)

[Contact Type, Positions, and Polarization](#)

[Hardware Details \(page 2\)](#)

[Hardware Details \(page 3\)](#)

[Dimensional Information](#)

[Part Number Buildup](#)

Part Details

General

Status	Active
Category	I/O Connectors
Description	AirBorn M Series, Micro-D Low-

	Profile Board Mount Plug, 0.050" (1.27mm) Pitch, Right-Angle, Through Hole, Narrow Footprint, with Mounting Holes, Plastic Shell, 0.109" Tail Length, Tin/Lead Alloy Termination Plating, Fixed Jacknuts, 9 Circuits
Application	Wire-to-Board
Component Type	Plug
Contact Type	Pin
Product Name	AirBorn M Series

Electrical

Current - Maximum per Contact	3.0A
Data Rate	3.0 Gbps
Voltage - Maximum	600V

Physical

Circuits Detail	Pin, Right Angle, PCB Leads, .109"
Circuits (Loaded)	9
Circuits (maximum)	9
Durability (mating cycles max)	500
Gender	Male
Keying to Mating Part	No
Lock to Mating Part	Yes
Locking Type	Two Fixed Jacknut Assemblies
Material - Insulator	Polyphenylene Sulfide
Material - Metal	Beryllium Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin/Lead Alloy (Not RoHS Compliant)
Material - Shell	Polyphenylene Sulfide
Mounting Style	With Mounting Holes
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray, Embossed Tape on Reel
Panel Mount	No

PC Tail Length	0.109"
Pitch - Mating Interface	0.050" (1.27mm)
Pitch - Termination Interface	0.050" (1.27mm)
Plating min - Mating	50μ"
Plating - Shell	N/A
Polarized to Mating Part	Yes
Temperature Range - Operating	-55° to +125°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description
<u>Micro-D, Plastic, Low Profile, Cable Mount Receptacle</u>
<u>Micro-D, Plastic, Low Profile, Jumper Cable</u>
<u>Micro-D, High Temp, Metal, Low Profile, Cable Mount Receptacle</u>
<u>Low Profile Metal Cable Connector (RECEPTACLE)</u>
<u>Micro-D, Metal, Low Profile, Jumper Cable</u>

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