**Part Number :** MS-252-015-325-220S
**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, Aluminum Shell, 0.109" Tail Length, Tin/Lead Alloy Termination Plating, Fixed Jacknuts, 15 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- |

Downloaded from Arrow.com.

| | |
|---|---|
| | Profile Board Mount Plug, 0.050" (1.27mm) Pitch, Right-Angle, Through Hole, Narrow Footprint, with Mounting Holes, Aluminum Shell, 0.109" Tail Length, Tin/Lead Alloy Termination Plating, Fixed Jacknuts, 15 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) | 15 |
| Circuits (maximum) | 15 |
| 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 | Aluminum Alloy |
| Mounting Style | With Mounting Holes |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tray, Embossed Tape on Reel |

Downloaded from Arrow.com.

| | |
|---|---|
| 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 | Electroless Nickel |
| 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 |
|---|
| Micro-D, High Temp, Metal, Low Profile, Board Mount, Right Angle Receptacle, Narrow Footprint |
| Micro-D, Metal, Low Profile, Board Mount, Right Angle Receptacle, Narrow Footprint |
| Micro-D, Metal, Low Profile, Board Mount, Right Angle Receptacle, Blind Cut, Narrow Footprint |
| Micro-D, High Temp, Metal, Low Profile, Board Mount, Right Angle Plug, with Radius |
| Micro-D, Plastic, Low Profile, Cable Mount Receptacle |



Downloaded from Arrow.com.