molex



**Part Number :** MK-262-021-435-220S
**Product Description :** AirBorn M Series, Micro-D Board Mount Receptacle, 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, 21 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)

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 Board Mount Receptacle, 0.050" (1.27mm) Pitch, Right-Angle, Through Hole, Narrow |

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| | |
|---|---|
| | Footprint, with Mounting Holes, Aluminum Shell, 0.109" Tail Length, Tin/Lead Alloy Termination Plating, Fixed Jacknuts, 21 Circuits |
| Application | Wire-to-Board |
| Component Type | Receptacle |
| Contact Type | Socket |
| Product Name | AirBorn M Series |

**Electrical**

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

**Physical**

| | |
|---|---|
| Circuits Detail | Socket, Right Angle, PCB Leads, .109" |
| Circuits (Loaded) | 21 |
| Circuits (maximum) | 21 |
| Durability (mating cycles max) | 500 |
| Gender | Female |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Locking Type | Two Fixed Jacknut Assemblies |
| Material - Insulator | Polyphenylene Sulfide |
| Material - Metal | Brass |
| 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 |
| Panel Mount | No |

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|---|---|
| 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 |
|---|
| Vertical Surface Mount PCB Connector (PLUG) |
| Vertical Plated Thru Hole PCB Metal Connector with Mounting Holes and a Narrow Footprint (PLUG) |
| Vertical Plated Thru Hole PCB Metal Connector (PLUG) |
| Micro-D, Metal, Board Mount, Right Angle Plug, Narrow Footprint |
| Micro-D, Metal, Board Mount, Right Angle Plug |
| Rear Panel Mount Vertical Plated Thru Hole PCB Connector (PLUG) |
| Micro-D, Metal, Rear Panel Mount, Board Mount, Right Angle Plug |
| Micro-D, Metal, Board Mount, Card Edge Plug |
| Micro-D, Metal, Board Mount, Right Angle Plug, Compressed Footprint |
| Micro-D, Metal, Board Mount, Right Angle Plug, Narrow Footprint, Underbody Thru Cut |
| Micro-D, Metal, Board Mount, Right Angle Receptacle, Narrow Footprint, Underbody Thru Cut |
| Micro-D, Metal, Board Mount, Right Angle Plug, Narrow Footprint, Blind Clearance Cut |
| Micro-D, Plastic, Board Mount, Vertical Plug, Narrow Footprint |
| Vertical Plated Thru Hole PCB Plastic Connector (PLUG) |
| Micro-D, Plastic, Board Mount, Right Angle Plug, Narrow Footprint |
| Micro-D, Plastic, Board Mount, Right Angle Plug |
| Micro-D, Metal, Sealed Rear Panel Mount, Cable Mount Plug |
| Micro-D, Metal, Cable Mount Plug |

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|---|
| Micro-D, Metal, Rear Panel Mount, Cable Mount Plug |
| Micro-D, Metal, Jumper Cable |
| Micro-D, Metal, Cable Mount Plug, Integrated Shield Termination (Crimp) |
| Micro-D, Metal, Cable Mount Plug, Integrated Shield Termination |
| Micro-D, Plastic, Cable Mount Plug |
| Micro-D, Plastic, Jumper Cable |



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