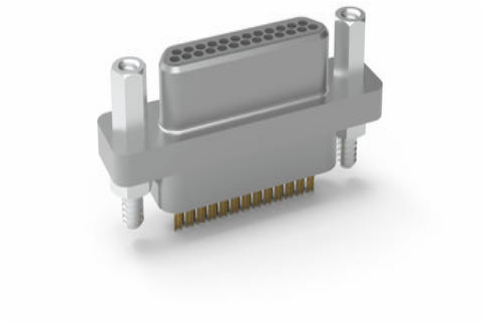
Part Number : MM-312-069-161-41WR
Product Description : AirBorn M Series, Micro-D Cable Mount Plug, 0.050" (1.27mm) Pitch, Vertical, Pre-Wired Crimped, Aluminum Shell, 36.00" Wire Length, Turning Jackscrews, 69 Circuits
Status : Active
Product Category : I/O Connectors



Documents and Resources

Specifications

M Series Micro-D Materials Specification

Performance Specification

Hardware Details

Hardware Keying Chart

Contact Type, Positions, and Polarization

Hardware Details (page 2)

Hardware Details (page 3)

Twisted Pair Wire Connects

Hardware

Dimensional Information

Part Number Buildup

Part Details

General

Status	Active
Category	I/O Connectors
Description	AirBorn M Series, Micro-D Cable Mount Plug, 0.050" (1.27mm) Pitch, Vertical, Pre-Wired Crimped, Aluminum Shell, 36.00" Wire Length, Turning Jackscrews, 69 Circuits
Application	Wire-to-Wire, 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, Straight, Crimped Wire
Circuits (Loaded)	69
Circuits (maximum)	69
Durability (mating cycles max)	500
Gender	Male
Keying to Mating Part	None
Lock to Mating Part	Yes
Locking Type	Two Turning Jackscrews, Allen Head, Retaining Ring
Material - Insulator	Polyphenylene Sulfide
Material - Metal	Beryllium Copper
Material - Plating Mating	Gold
Material - Shell	Aluminum Alloy
Mounting Style	Without Mounting Holes
Number of Rows	3
Orientation	Vertical
Packaging Type	Bag
Panel Mount	No
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	Pre-Wired Crimped

Wire/Cable Type	NEMA HP3
Wire Size (AWG)	26
Wire Length	36.00"
Wire Color	100 Colors (MIL-STD-681)

Mates With / Use With

Mates with Part(s)

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

Micro-D, Metal, Jumper Cable
Micro-D, Metal, Cable Mount Receptacle, Integrated Shield Termination
Micro-D, Metal, Cable Mount Receptacle, Integrated Shield Termination
Micro-D, Plastic, Cable Mount Receptacle
Micro-D, Plastic, Jumper Cable