Part Number : MK-252-031-325-000S-0B7
Product Description : AirBorn M Series, Micro-D 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, 31 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)

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 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, 31 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)	31
Circuits (maximum)	31
Design Feature	#2-56 Threaded Inserts
Durability (mating cycles max)	500
Gender	Male
Keying to Mating Part	None
Lock to Mating Part	No
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
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
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, 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