Part Number : MK-2DK-031-335-000S-EMI
Product Description : AirBorn M Series, Micro-D Board Mount Plug, 0.050" (1.27mm) Pitch, Right-Angle, Through Hole, with Mounting Holes, Rear Panel Mount, Aluminum Shell, 0.140" Tail Length, Tin/Lead Alloy Termination Plating, EMI Gasket, 31 Circuits
Status : Active
Product Category : I/O Connectors



Documents and Resources

Specifications

Performance Specification

PC Board Layout (009 - 37 Contacts)

PC Board Layout (51 - 100 Contacts)

Hardware Details

Hardware Keying Chart

Contact Type, Positions, and Polarization

Hardware Details (page 3)

Fluorosilicone Gaskets and O-Rings

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, with Mounting Holes, Rear Panel Mount, Aluminum Shell, 0.140" Tail Length, Tin/Lead Alloy Termination Plating, EMI Gasket, 31 Circuits
Application	Wire-to-Board
Component Type	Plug

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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, .140"
Circuits (Loaded)	31
Circuits (maximum)	31
Design Feature	EMI Gasket
Durability (mating cycles max)	500
Gender	Male
Keying to Mating Part	No
Lock to Mating Part	No
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
Panel Mount	Rear
PC Tail Length	0.140"
Pitch - Mating Interface	0.050" (1.27mm)
Pitch - Termination Interface	0.050" (1.27mm)
Plating min - Mating	50µ”
Plating - Shell	Zinc Nickel
Polarized to Mating Part	Yes
Temperature Range - Operating	-55° to +125°C
Termination Interface Style	Through Hole

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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

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