Part Number : NK-2B2-037-225-TH00
Product Description : AirBorn N Series, Nano-D Board Mount Receptacle, 0.025" (0.635mm) Pitch, Vertical, Surface Mount, Dual Row, Electroless Nickel-Plated Aluminum Shell, with Threaded Hole, 37 Circuits
Status : Active
Product Category : I/O Connectors



Documents and Resources

Specifications

N Series Specifications: Materials & Finishes

N Series Performance Specification

PC Board Layout (009 - 37 Contacts)

PC Board Layout (51 - 69 Contacts)

PC Board Layout (85 - 91 Contacts)

Dimensional Information

Part Number Buildup

Part Details

General

Status	Active
Category	I/O Connectors
Description	AirBorn N Series, Nano-D Board Mount Receptacle, 0.025" (0.635mm) Pitch, Vertical, Surface Mount, Dual Row, Electroless Nickel-Plated Aluminum Shell, with Threaded Hole, 37 Circuits
Application	Wire-to-Board
Component Type	Receptacle
Contact Type	Socket
Product Name	AirBorn N Series

Electrical

Current - Maximum per Contact	1.0A
Data Rate	5.0 Gbps
Voltage - Maximum	250V

Physical

Circuits Detail	Socket, Surface Mount (.020" Lead Envelope)
Circuits (Loaded)	37
Circuits (maximum)	37
Color - Resin	Gray
Durability (mating cycles max)	200
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	Yes
Locking Type	Threaded Hole, #0-80 UNF
Material - Insulator	Liquid Crystal Polymer
Material - Metal	Beryllium Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin/Lead Alloy
Material - Shell	Aluminum Alloy
Mounting Style	Without Mounting Ears
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray, Embossed Tape on Reel
Panel Mount	No
Pitch - Mating Interface	0.025" (0.635mm)
Pitch - Termination Interface	0.025" (0.635mm)
Plating min - Mating	50µ”
Plating - Shell	Electroless Nickel
Polarized to Mating Part	Yes
Temperature Range - Operating	-55° to +125°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description
Nano-D, Metal, Board Mount, SMT, Right Angle Plug with Turning Hardware
Nano-D, Metal, Board Mount, SMT, Right Angle Plug
Nano-D, Metal, Flex Mount, PTH, Right Angle Plug
Right Angle PTH Nano D Plug with Mounting Holes
Nano-D, Metal, Board Mount, PTH, Vertical Plug
Nano-D, Metal, Board Mount, PTH, Vertical Plug with Turning Hardware
Nano-D, Metal, Board Mount, SMT, Vertical Plug with Mounting Holes
Nano-D, Metal, Board Mount, PTH, Vertical Plug with Turning Hardware and Mounting Holes
Nano-D, Metal, Board Mount, SMT, Vertical Plug
Nano-D, Metal, Pre-Terminated Plug
Nano-D, Metal, Board Mount, Card Edge Plug
Nano-D, Metal, Pre-Terminated Plug
Nano-D, Metal, Pre-Terminated Jumper Cable
Nano-D, Shorting Plug