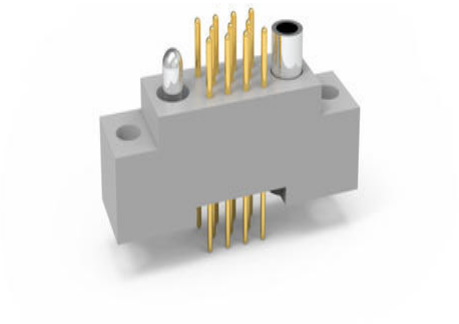
molex



Part Number : RM312-047-121-5500
Product Description : AirBorn R Series, Rectangular Board Mount Plug, Vertical, Plastic Body, 3 Rows, 0.075"/1.91mm Pitch, with Mounting Ears, Through Hole, 0.140" Tail Length, Guide Set, Gold Termination, 47 Circuits
Status : Active
Product Category : Board-to-Board Connectors

Documents and Resources

Specifications

Materials Specification - R Series

Performance Specification

PC Board Layout

Hardware Polarization

Contacts (2 & 3 Row)

Hardware Information (#2-56 Jacksets)

Hardware Information (Guide Sets)

Dimensional Information

Part Number Buildup

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Description	AirBorn R Series, Rectangular Board Mount Plug, Vertical, Plastic Body, 3 Rows, 0.075"/1.91mm Pitch, with Mounting Ears, Through Hole, 0.140" Tail Length, Guide Set, Gold Termination, 47 Circuits
Application	Board-to-Board, Wire-to-Board

Comments	Through Hole
Component Type	Plug
Contact Type	Pin
Product Name	AirBorn R Series
Series	R Series

Electrical

Current - Maximum per Contact	3.0A
Voltage - Maximum	750V

Physical

Breakaway	No
Circuits (Loaded)	47
Circuits (maximum)	47
Color - Resin	Gray
Durability (mating cycles max)	500
Glow-Wire Capable	No
Guide to Mating Part	Guide Set
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Beryllium Copper, Brass Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Shell	Polyphenylene Sulfide
Number of Rows	3
Orientation	Vertical
Packaging Type	Carton
PCB Retention	Yes
PC Tail Length	0.140"
Pitch - Mating Interface	0.075" (1.91mm)
Pitch - Termination Interface	0.075" (1.91mm)
Plating min - Mating	50µ”
Polarized to Mating Part	No
Stackable	No
Temperature Range - Operating	-65° to +125°C

Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description
Rectangular, Plastic, 3 Row, Solder Cup Cable Mount Receptacle
Rectangular, Plastic, 3 Row, Crimp Removable Cable Mount Receptacle
Rectangular, Plastic, 3 Row, Vertical Board Mount Receptacle
Rectangular, Plastic, 3 Row, Right Angle Board Mount Receptacle
Rectangular, Plastic, 3 Row, Stackable or Connector Saver Receptacle
Rectangular, Plastic, 3 Row, Crimped Wire Cable Mount Receptacle
Rectangular, Plastic, 3 Row, Vertical Press-Fit Receptacle