

AirBorn

Bringing Your Innovations To Life



Interconnects & Value-Added Services

Trusted Premier Interconnect Solutions

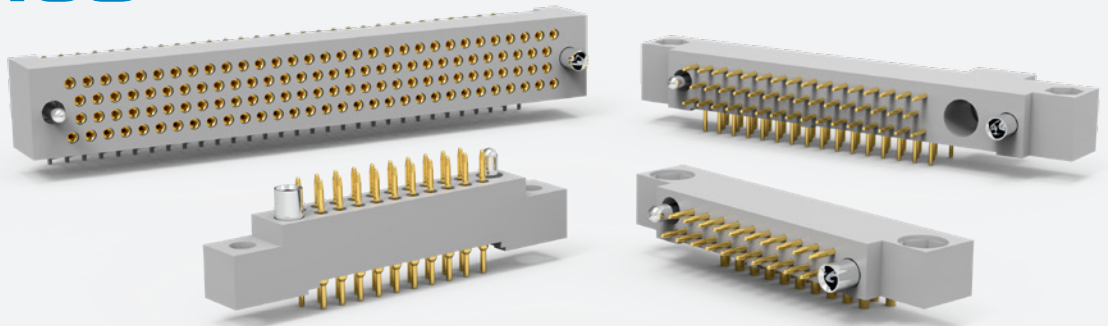
At AirBorn, we've built a business around four core connector lines: W, R, M, & N Series. Working quietly in the background, often under demanding conditions, our connectors are trusted in mission-critical systems where complete reliability is vital to success and could mean the difference between life and death.

Next-Generation Interconnect Solutions

Whether your project requires high-speed, high-density, signal-integrity solutions, stackability, or a patented contact system technology — AirBorn provides customers with interconnect options that can bring your project to the next level of efficiency, durability, and performance. Reliable legacy or newer-technology interconnects, customers always stay AirBorn Connected®.

W Series

0.100" (2.540mm)

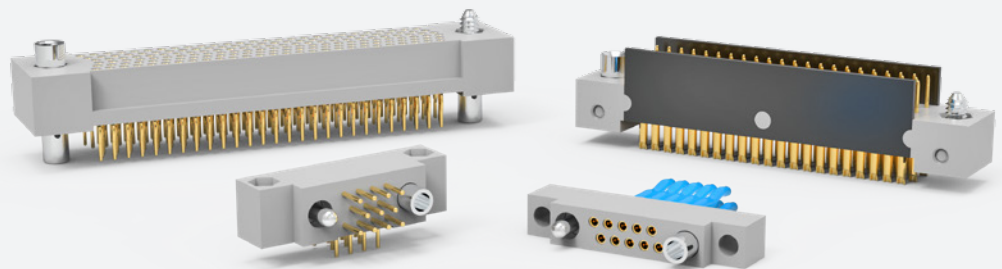


- 3-208 Contacts
- 1, 2, 3, 4, or 6 Rows
- Plastic body material
- Qualified to MIL-DTL-55302
- Crimp removable, plated thru-hole, single-layer flex, solder-cup, SMT, & wire wrap termination options

AirBorn's "flagship" W Series connector maintains the original .100" contact spacing. Designed into countless applications where reliability is paramount such as with missiles, helicopters, torpedoes, and armored vehicles. Available in I/O, connector saver, straight, and right-angle board-mount models.

R Series

0.075" (1.905mm)



- 10-604 Contacts
- 2, 3, 4, or 6 Rows
- Plastic body material
- Qualified to MIL-DTL-55302
- Crimp removable, plated thru-hole, press-fit compliant, single-layer flex, solder-cup, stackable, & SMT termination options

R-Series offers a diverse range of high-density, high-reliability connector options for use in tough, mission-critical designs. Ideal for avionics, space exploration, GPS, deep-sea exploration applications and more. Available in I/O, connector saver, SMT, straight, and right-angle board-mount models.

M Series

0.050" (1.27mm)



- 4-128 Contacts
- 1, 2, 3, or 4 Rows
- Metal & plastic body material
- Qualified to MIL-DTL-83513
- PTH, SMT, pre-wired, & solder-cup termination options

Our microminiature connectors are popular due to their rugged design and customization ease. Available in I/O, straight, right-angle & SMT board-mount models.

N Series

0.025" (0.636mm)



- 9-91 Contacts
- 1-2 Rows
- Metal body material
- Qualified to MIL-DTL-32139
- PTH, SMT, & pre-wired termination options

Our nanominiature connectors are ideal for applications where reduced size & weight are essentials. Available in I/O, straight, right-angle & SMT board-mount models.

verSI

0.050" (1.27mm)



- 10-500 Contacts
- 2, 4, 5, 6, 8 or 10 Rows
- Metal & plastic body material
- Press-fit, paste-in-hole, plated thru-hole, pre-wired jumper cable & flex jumper termination options

The verSI open-pin field product line is designed to meet the requirements for high-speed/signal integrity applications with speeds up to 25 Gbps.

FOCUS



- Patented design
- EMI immune
- Distances up to 100 meters
- Data rates of 12.5 Gbps/channel — 4 Channels
- No fiber cleaning concerns, no transceiver needed

The copper and AOC cables have the exact same pin-out to offer the flexibility of using either a copper cable for shorter lengths and easily changed to an active optical cable as needed.

SINERGY®

.0315" (.8mm) signal & .173" (4.39mm) SMPM RF pitch

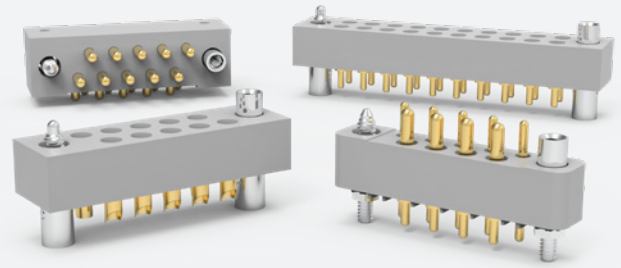


- 4 points-of-contact
- Interchangeable molded signal & SMPM RF insulator bays
- Speeds up to 25Gbps
- Locking, jacking, & guide hardware
- Rugged, die-cast metal bodies
- Tested & qualified based on MIL-DTL-83513 performance requirements

Mini-modular hybrid solution in 1-5 configurable bays. Ideal for Mil-Aero, Space, & Industrial applications, Sinergy's 4 points-of-contact will handle a very rough ride.

PowerAmp

0.225" (5.715mm)



- 1 & 2-row models available
- 5, 4-5, & 10 sizes
- Vertical orientation
- Standard 13A or 23A

Plated thru-hole PCB power connectors available in 5 #12, 4 #12/5 #16, or 10 #12 contacts. PowerAmp has a plastic body and has supreme ruggedness and reliability.

Rocket®

0.375" (9.525mm)



- 2-, 3-, 4-, & 6-row models available
- 8, 25, 50, 74, 100, & 150 pin/socket positions
- Fit 3, 150 position Rockets in the space of a single, 151 position D38999 — shell size 23

Three 150-position Rockets can utilize the same space as one 151-position D38999 circular connector. That will save you space, weight (especially crucial in space exploration applications), and overall cost.

Series360®

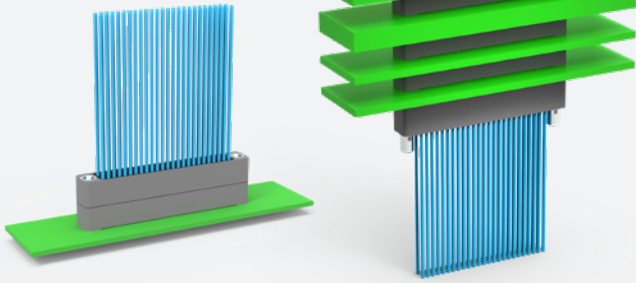


- Lightweight, watertight, small, & easy-to-handle
- Push-Pull locking or break-away function
- Quick-Clean® version available
- *Currently available in North America only*

A supremely rugged & reliable circular interconnect solution designed with our fighting men and women in mind. With its small form, Series 360® offers OEMs a lightweight, watertight, and easy-to-clean option.

IRRC

0.075" (1.905mm)

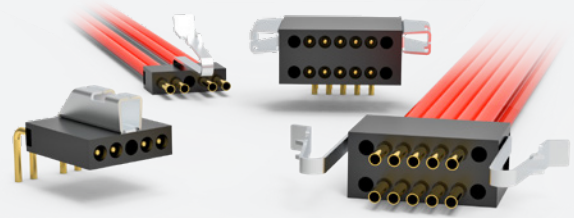


- 7-75 columns (28-300 contacts)
- 4 Rows
- Plastic body material
- Reliable "eye of the needle" compliant section design eliminates soldering

This stackable compliant connector family is AirBorn's solution for high-density, board-to-board stacking applications. Available in 0.075" contact spacing and 100 Ω and 85 Ω differential serial buses.

AIRSTRIP®

0.075" (1.905mm)

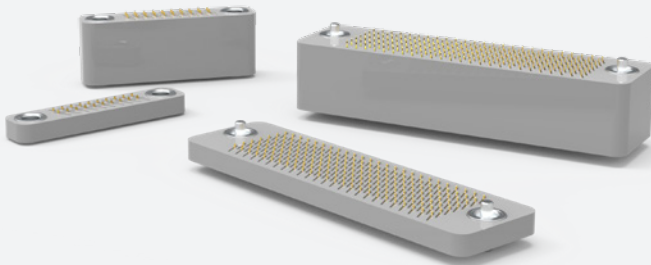


- 2-3 row models available
- 10-100, 11-104 sizes
- Pre-wired with crimped-wire termination
- With or without mounting ears

These ultra-reliable micro-strip connectors exemplify the quality, durability, and reliability that AirBorn customers have come to rely upon since 1958.

ZSeries

0.050" (1.27mm)

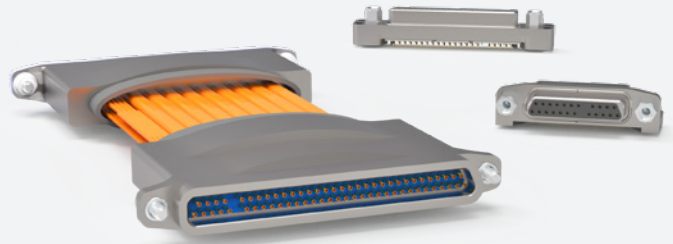


- Z-axis, compression, interposer contacts
- Profile heights: .100" - .350"
- Compression -0.01"/side (for .100" & .150" connector heights)

Z-Series offers a reliable, one-piece solderless contact system compressed between parallel, printed wiring boards, or between a printed wiring board and other electronic components.

microSI

0.070" (1.778mm)



- 23 pins, 4DP+9SB up to 65 pins, 18DP+9SB
- 2 Rows, metal body material
- Stranded wire & SMT termination options
- MIL-DTL-83513 qualified contact system

A rugged Micro-D connector designed for high-speed, signal-integrity applications (up to 10 GB). MicroSI supports 1X, 4X, & 8X 100 Ω & 85 Ω differential serial buses. Its balanced design limits skew within pairs.

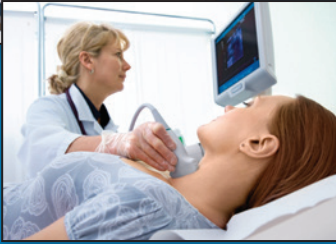


Companies today are looking for a strategic partner to collaborate with & grow

AirBorn is an employee-owned company whose core business is engineering and manufacturing specialized connectors and electronic components for Original Equipment Manufacturers (OEMs) worldwide. We provide electronic components and services to leading companies in industries including **Military/Defense**, **Commercial Air**, **Medical**, **Industrial**, and **Space Exploration**. Our all-inclusive Model-to-Market® service shepherds your product from the barest of concepts through to mass production.

Beginning with front office personnel and extending to the teams working the factory floors, AirBorn's culture embraces both Six Sigma and LEAN Manufacturing Principles. AirBorn products are trusted to perform in extreme conditions where complete reliability is vital to success. Customers count on AirBorn products and have since our inception in 1958.

Partner With AirBorn



Because Product Reliability
Is A Matter Of Life Or Death

Because Dependability Is
Vital To The Mission's Success



Because Superior Design & Durability
Ensures We Stay Safe



Because You Need
Out-Of-This-World Accuracy



Because Rugged Components
Keep You Running & Profitable

The AirBorn Advantage

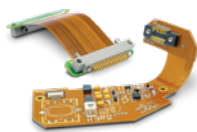
Model-To-Market Solutions



Custom Power Systems



COTS VPX Power Supply Power Blade



Flexible Circuit Assemblies



Cable Assemblies



FUZE Assemblies



Active Optical Assemblies



Rectangular W Series



Rectangular R Series



Micro D M Series



Nano D N Series



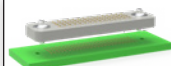
High-Speed Rectangular verSI



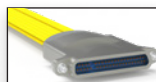
Modular Hybrid Snergy



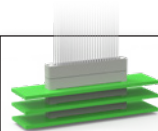
Macro D RockKet



Z Axis Interposer Z Series



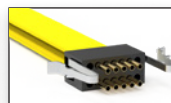
High-Speed Micro D microSI



Stackable RC Series



Circulars Series 360



Strip Connector AirStrip



PowerAmp 13A or 23A



Rugged Circulars TriMate

ICPB-7.24

AirBorn

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