



High-Reliability Interconnect Solutions

Complete Interconnect Solutions



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 can be trusted in systems where mission-critical reliability is crucial to success.

One or more of AirBorn's premier connectors are sure to fit the various needs of OEMs and product designers. Learn more by visiting airborn.com/products/connectors today!

M Series

Contact Spacing: 0.050" (1.27mm)



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

Our microminiature connectors are extremely popular due to their rugged & reliable design and customization ease. Suited for navigation, radar, communications, avionics, medical device, engine controls applications and more.

Available in I/O, straight, right-angle & SMT board-mount models.

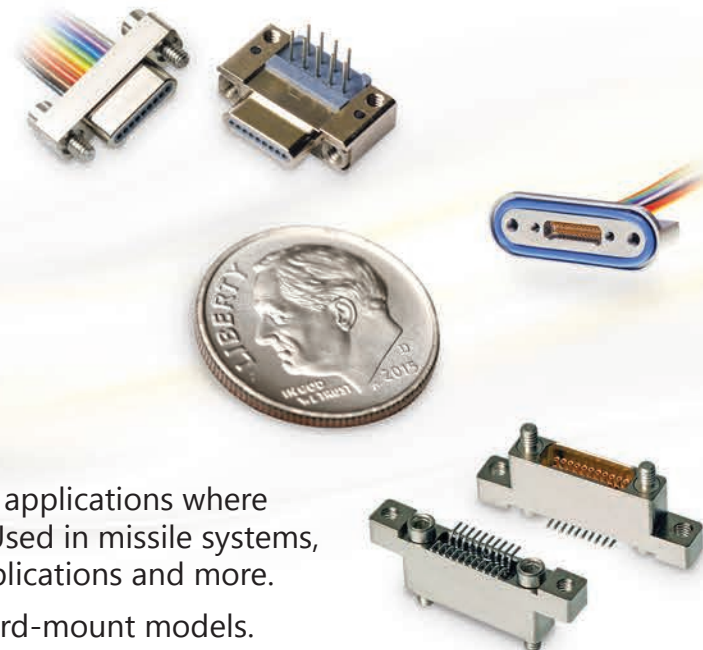
N Series

Contact Spacing: 0.025" (0.636mm)

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

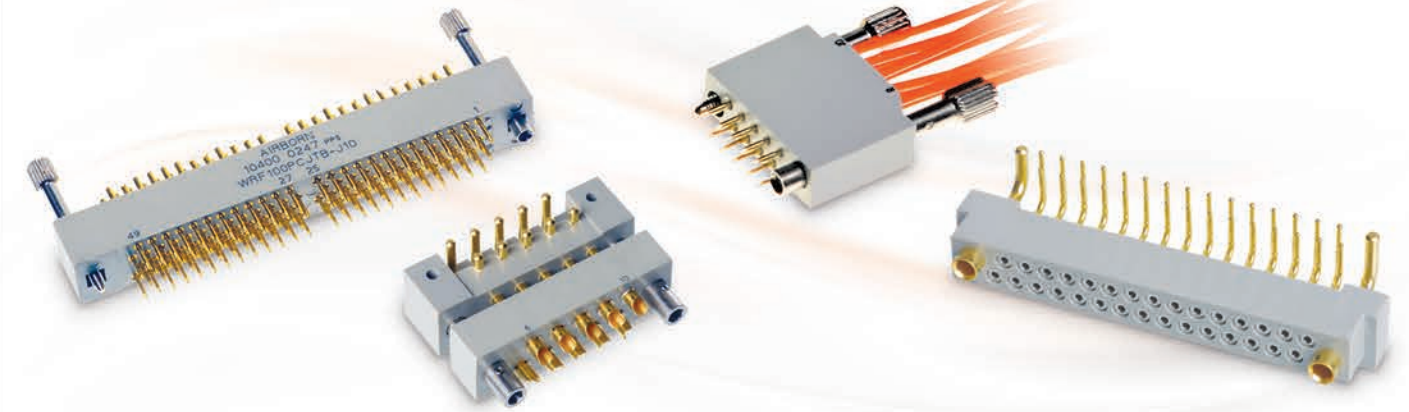
Our nanominiature connectors are designed for applications where reduced size & weight are essential in design. Used in missile systems, satellite, UAV, petrochemical, medical device applications and more.

Available in I/O, straight, right-angle & SMT board-mount models.



W Series

Contact Spacing: 0.100" (2.540mm)



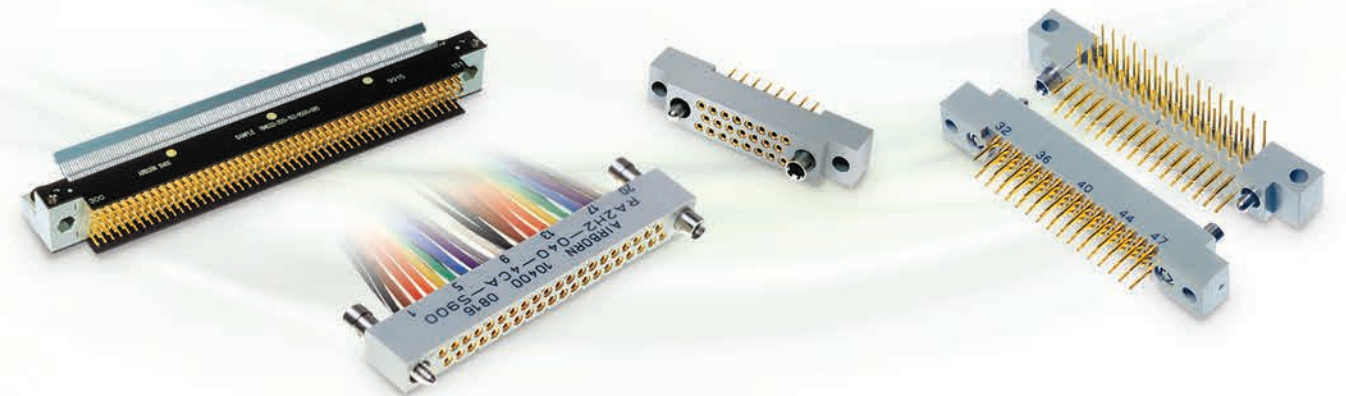
- 3-208 Contacts
- 1, 2, 3, 4 or 6 Rows
- Plastic body material
- Crimp removable, plated thru-hole, single-layer flex, solder-cup, SMT & wire wrap termination options
- Qualified to MIL-DTL-55302

AirBorn's "flagship", the 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

Contact Spacing: 0.075" (1.905mm)



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

R-Series connectors offer 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.

Next-Generation Interconnect Solutions

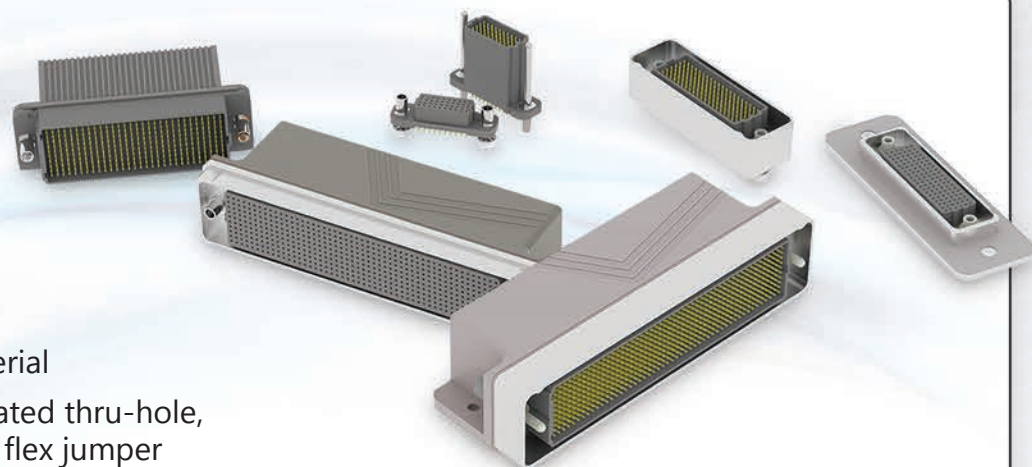
Whether your project requires high-speed, high-density signal-integrity solutions or stacking ability, utilizing patented contact system technology, AirBorn provides customers with interconnect options that can bring your project to the next level of efficiency, durability and performance.

One or more of AirBorn's next-generation connectors are sure to fit the various needs of OEMs and product designers. Learn more by visiting airborn.com/products/connectors today!

versI

Contact Spacing:
0.050" (1.27mm)

- 40-500 Contacts
- 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 cable termination options



The versI open-pin field connector line is designed to meet the requirements for high-speed, signal-integrity applications while delivering the ruggedness and reliability customers expect. versI promotes design flexibility by offering vertical board-mount, right-angle board-mount, cable I/O and flex circuit mounting with 40 to 500 contacts.

Series 360®

- Lightweight, small & easy to handle
- Push-Pull locking or Break-Away function
- Quick-Clean® version available
- Watertight in mated or unmated conditions

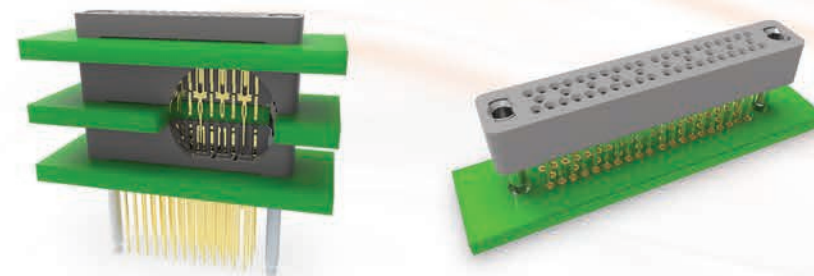


The Series 360® interconnect system is a supremely rugged and reliable solution designed with our fighting men and women in mind. With its small, sleek and strong geometry, Series 360® offers OEMs a lightweight, watertight and easy-to-clean circular connector option. The Push/Pull locking and Quick-DeMate® functionality are ideally suited for soldier communication systems, radars, avionics, embedded computers and much more.

On the battlefield is where Series 360® shines brightest. Modern military personnel apply Series 360® to: group voice & data radio, navigation modules, soldier control units, rugged computers, hand-held devices, GPS antennas, night-vision equipment, unmanned systems and land vehicles.

RC **RCII**

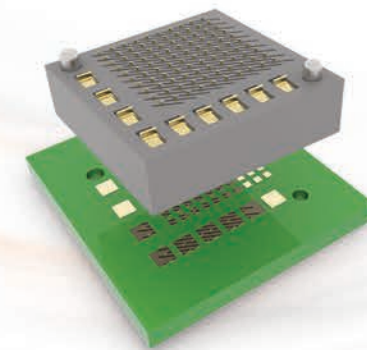
Contact Spacing: 0.075" (1.905mm)



- 25-200 Contacts
- 4 Rows (RC), 3-4 Rows (RCII)
- Plastic body material
- Plated thru-hole & press-fit termination options
- RC supports 85Ω and RCII supports 85Ω & 100Ω differential serial buses

RC & RCII are high-density, press-fit mounted connectors utilizing patented stacking contacts used in board-to-board stacking applications. Aligned field connector contact configurations for improved signal integrity also available.

RZ Contact Spacing:
0.050" (1.27mm)



- Z-axis interposer contacts
- Up to 5 Amps
- Profile heights: .100" - .350"
- Compression -0.01"/side (for .100 & .150" connector heights)

The RZ connector family offers a reliable, one-piece solderless contact system. RZ is compressed between parallel, printed wiring boards or between a printed wiring board and other electronic components.

microQUAD

Contact Spacing: 0.050" (1.27mm)



- 0-50 signal contacts, 1-10 quadrx modules
- 2 Rows, metal body material
- Pre-wired & SMT termination options
- MIL-DTL-83513 qualified contact system with metal shells

A rugged Micro-D connector designed to handle LVDS serial bus signals like IEEE 1394, Ethernet, and serial rapid I/O making it ideal for most high-reliability applications.

microSI

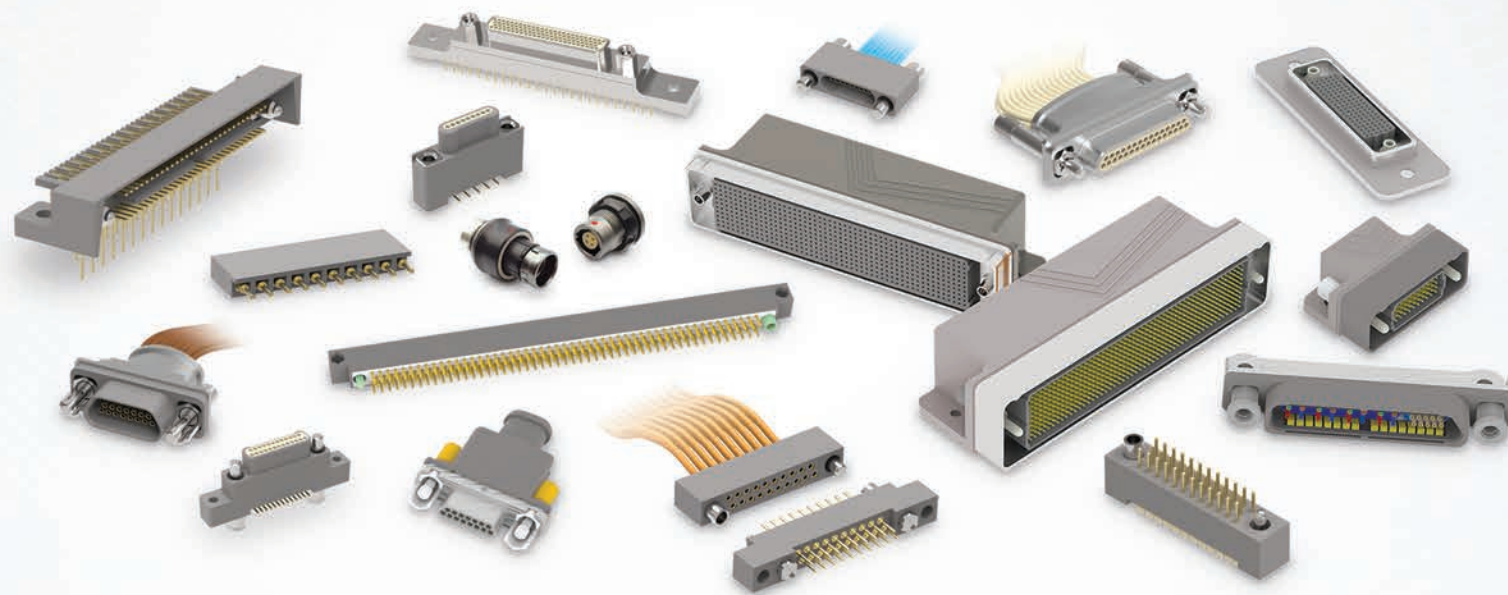
Contact Spacing: 0.070" (1.778mm)



- 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 with metal shells

A rugged Micro-D connector designed for high-speed, signal-integrity applications (up to 10 GB) and flexibility by supporting 1X, 4X, & 8X 100Ω & 85Ω differential serial buses.

Companies today are looking for **MORE** than just a **MERE SUPPLIER...**



AirBorn is an employee owned company whose core business is engineering & manufacturing specialized **connectors & electronic components** for Original Equipment Manufacturers (OEMs). We serve customers across many industries including: **Aerospace, Energy, Geophysical, Industrial, Instrumentation, Marine, Medical, Military/Defense and Space Exploration.**

Beginning with front office personnel and extending to the production personnel in our factories, the culture at AirBorn embraces both **Six Sigma & LEAN** manufacturing principals. AirBorn products are trusted to perform in extreme conditions where **mission-critical reliability** is vital to success. Customers trust AirBorn products and have since our inception in 1958.

They're looking for a **STRATEGIC PARTNER** to collaborate & grow with.

Why Partner with **AirBorn?**



Because **Product Reliability** is a matter of **Life or Death**

Because **Dependability** is **Vital to the Mission**



Because the **Uninterrupted Flow of Information** is **Crucial**



Because you need **Out-Of-This-World Accuracy**



Because superior **Design & Durability** ensures we **Stay Connected**



Global Interconnect Solutions for Mission-Critical Applications

