

The logo for AirBorn, featuring a stylized blue and white icon of a wing or arrow pointing upwards and to the right, followed by the word "AirBorn" in a bold, blue, sans-serif font.

AirBorn



Military & Defense Interconnects
& Value-Added Services

AirBorn components have been an integral part of system solutions created to defend America and her allies for over half a century.



Engineering & Manufacturing Electronic Component Solutions Since 1958

AirBorn is an employee owned company whose core business is engineering & manufacturing specialized connectors & electronic components for OEMs worldwide. We serve customers across many industries including: Commercial Air, Industrial, Medical, Military/Defense & Space Exploration.

AirBorn components are a part of many important military and defense applications. Beginning with **Apache & Blackhawk Helicopters** and extending to **Adams & Bradley Tanks, Ohio-Class Submarines, F-35 & F-16 Fighting Jets**, the **Stealth Bomber** and **Patriot, Hellfire, Javelin** and **THAAD Missile Systems** to name a few. Customers trust AirBorn products to perform when lives are on the line and missions are at stake — and have since our inception in 1958.

From deep sea to deep space, our innovative interconnect, value add & box build solutions are chosen by leading Military & Defense companies in to operate their most critical systems in the most hostile environments and under the most extreme battlefield conditions.





Rugged & Reliable Connectors

Military and Defense applications require the most rugged & reliable connectors imaginable because failure is simply not an option. Connectors that can withstand extreme temperature variations, high vibration, impact, and G-forces. At AirBorn, dependability begins where the pin and sockets meet: the contact system. Our contact systems utilize multiple contact points — a key differentiating factor between truly rugged & reliable connectors and less reliable, “commercial-grade” connectors.

Styles & Configurations

We have a wide variety of form factors to choose from including rectangular, micro-D, nano-D, circular, interposers, and strip connectors. Multiple termination options are available for board, flex circuit, panel, and cable installations. Our wide range of body materials and mounting and mating hardware options allow customers to configure the exact connector for your design — over 100 million possible configurations!

High Speed

Progressively, design engineers are looking for interconnects that accommodate high-speed data rates while still enduring harsh battle conditions. At AirBorn, dedicated engineering teams design and optimize our connectors & cables for superior signal integrity, for use outside of the highly-controlled environs of a data center.

Custom

Still can't find what you need? Talk to us — we have a team of application and design engineers equipped to develop solutions to tackle any interconnect challenges.



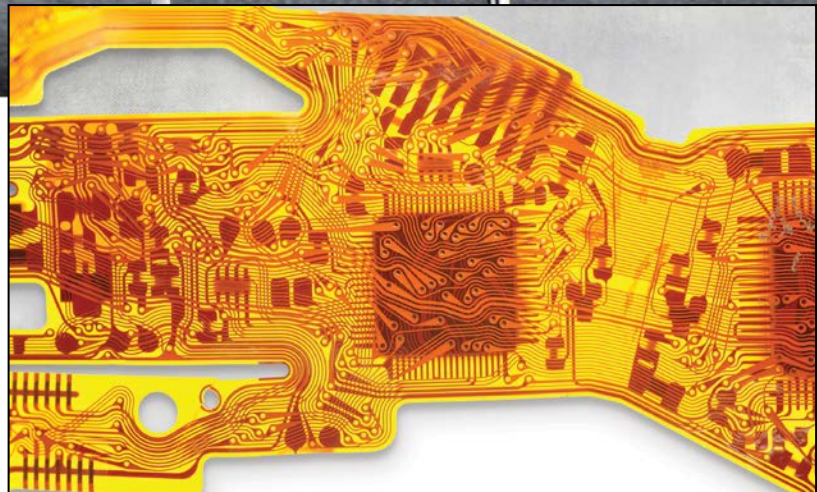
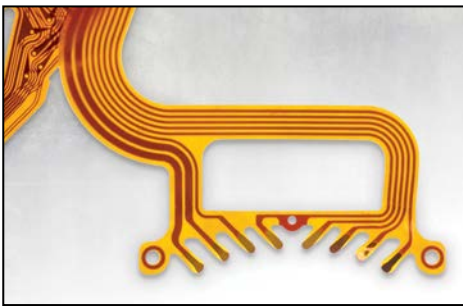
Multiple points-of-contact



*Series 360 circular connectors are currently available only in North America.



F-35 Jet Fighter

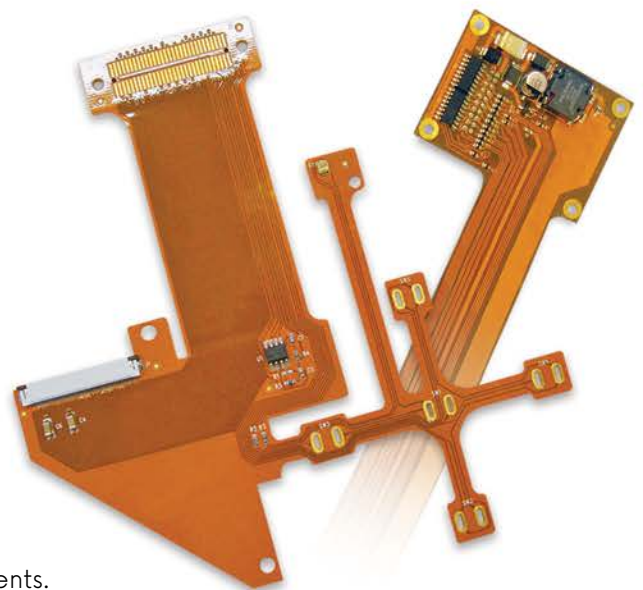


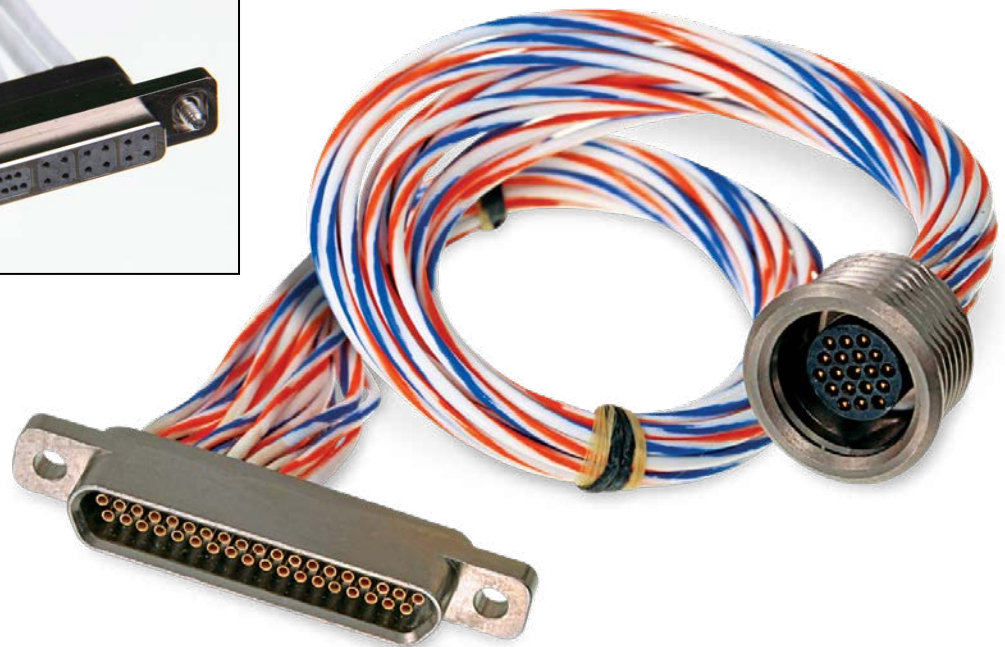
Flexible Circuit Assemblies

AirBorn designs and manufactures intricate flexible circuit assemblies, ideal for use where weight, space, consistency and 3D routing are important factors. We can manufacture to your design or ours, leveraging years of flex design experience and expertise. We produce flex assemblies to work with any type of connectors and electronic components. Our flex assemblies are employed in missiles, radars, rugged computers, avionics, satellites, UAVs, and much more.

Cable, Flex, or PCB Assembly?

Not sure which option is best for your application? Give us a call. We design and manufacture cable assemblies, flex circuit assemblies, and printed circuit board assemblies and will provide impartial advice on which is best for your specific design requirements.



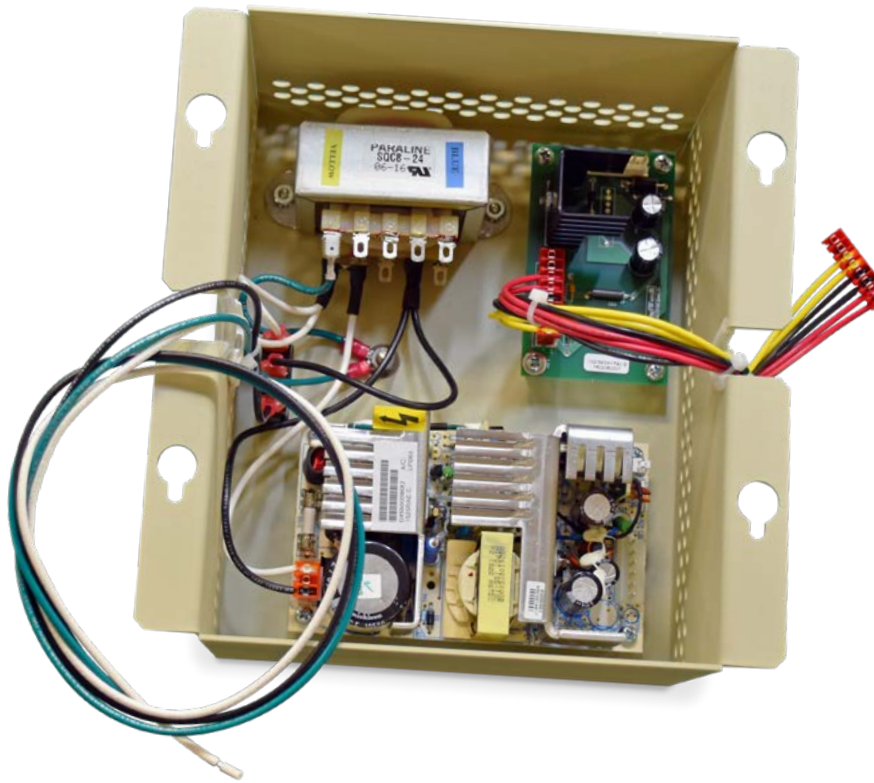
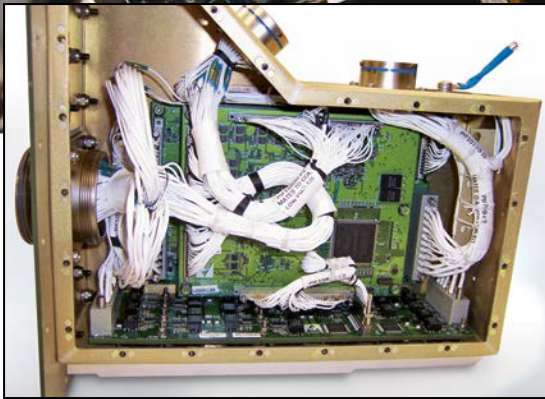


Custom Cable Assemblies

AirBorn is much more than merely a "connector company". While connectors are our core business, we also design and manufacture custom cable assemblies. We can manufacture to your unique requirements or collaborate on a design from the start. We handle all wire types: fiber, RF, ribbon, braiding, and more — terminated with any connector, whether it's AirBorn's or not.

Cable, Flex, or PCB Assembly?

Not sure which option is best for your application? Give us a call. We design and manufacture cable assemblies, flex circuit assemblies, and printed circuit board assemblies and will provide you impartial advice on which option is best for your specific design requirements. Contact us to schedule time with one of our design engineers.



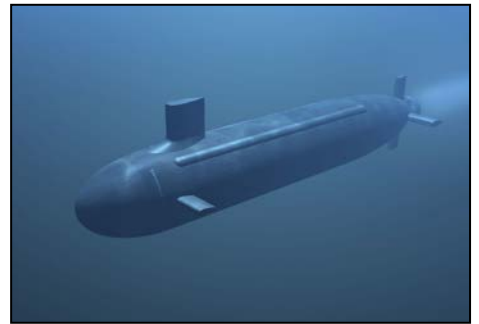
Complete Custom Chassis/Box Builds

AirBorn can design and manufacture high-level electro-mechanical and complete chassis/box build assemblies according to your project's specific needs. Our extensive testing ensures your product consistently performs to expectations and is ready to take on the mission-critical challenges inherent in Military/Defense applications.

Processes to ensure the quality of your build:

- Cable & harness integration
- Detailed material planning & logistics management
- Multi-plant capabilities accommodate volume orders & on-time delivery
- Procurement & inspection of standard/custom parts
- UL & CSA certified manufacturing facilities

We fabricate complete builds for our customers in the Military/Defense markets. Each were manufactured to endure battlefield conditions and stand reliably ready for more.



Engineering & Lab Services

AirBorn employs 50+ degreed engineers in-house to assist in design and product development; expertly guiding from inception through mass production. AirBorn utilizes an A2LA accredited* laboratory to test against the highest standards imaginable to ensure our products stand up to the rigors of military applications. From temperature fluctuations to vibration & shock tests, we design unmatched quality into our interconnects and cable assemblies to withstand the grind of mission-critical military applications.

When your goal is to design in unrivaled excellence, ruggedness & reliability into your product — count on AirBorn quality to get you there.

- Contact Engagement & Separation Forces
- Contact Retention/Wire Retention
- Dielectric Withstanding Voltage (Sea Level & Altitude)
- Durability
- Insert Retention
- Insulation Resistance
- Low Signal Level Contact Resistance
- Mating & Unmating Force
- Resistance to Soldering Heat
- Shock
- Solderability
- Temperature Cycling
- Vibration
- X-Ray/CT imaging & inspection

*Not all testing listed above is included in our A2LA Scope of Accreditation. Please consult A2LA Certificate #4132.01 for a list of accredited tests.

The AirBorn Advantage



Engineering Design, Prototype & Qualification



Strategic Tooling & Automation



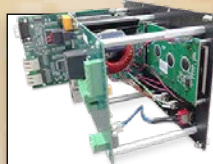
Space/Mil-Aero Lab Services



Engineered Power Supplies



High-Level Assemblies



Chassis & Box Builds



Cable Assemblies



Flexible Circuit Assemblies



PCB Assemblies



Rectangular Connectors



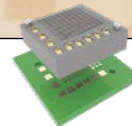
Micro-D Connectors



Nano-D Connectors



Circular Connectors



Interposers

