

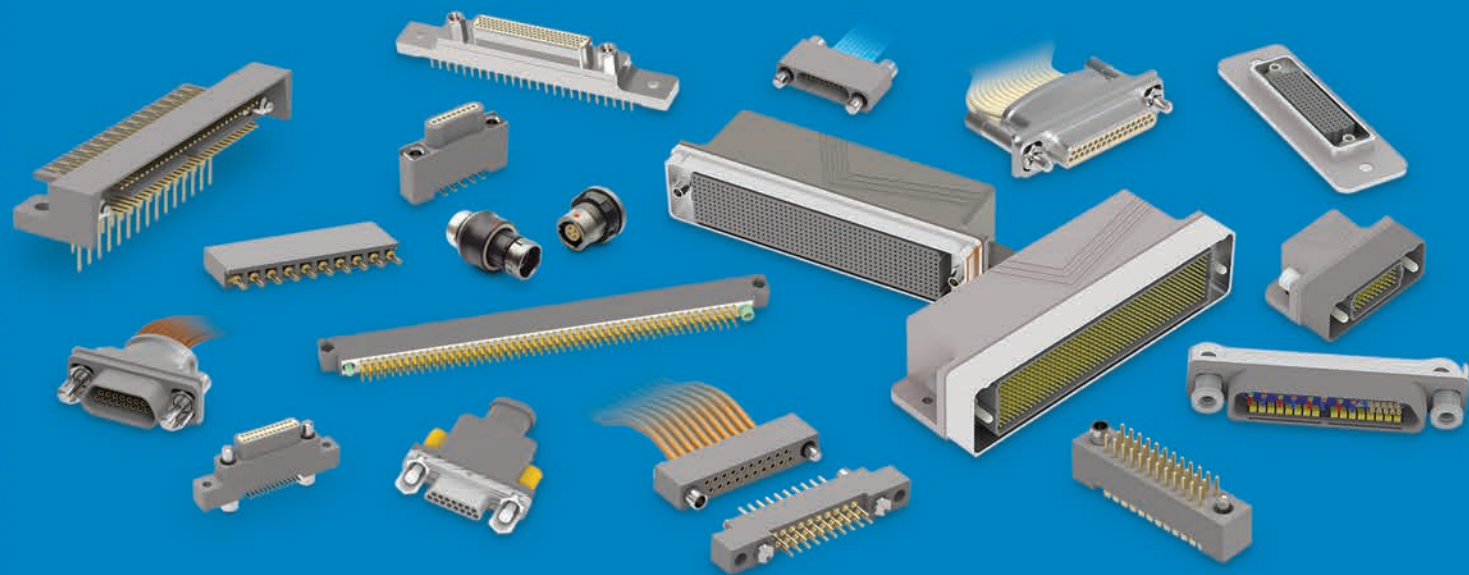
# AirBorn

High-Reliability Interconnect Solutions

# Corporate Locations & Capabilities



# 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.

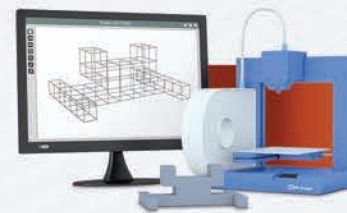
## They're looking for a **STRATEGIC PARTNER** to collaborate & grow with.



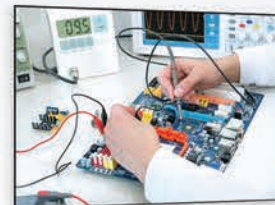
Concept Development



Detailed Design & Engineering



Quick-Turn Prototyping



Test, Qualification & Quality



Manufacturing Low-to High-Volumes



Global Packaging & Distribution

## AirBorn Engineering = Problem Solved<sup>®</sup>

AirBorn's engineering group specializes in new product design & development for OEMs across the globe. Our team of 50+ degreed engineers are the most innovative and committed working in the electronics manufacturing industry today.

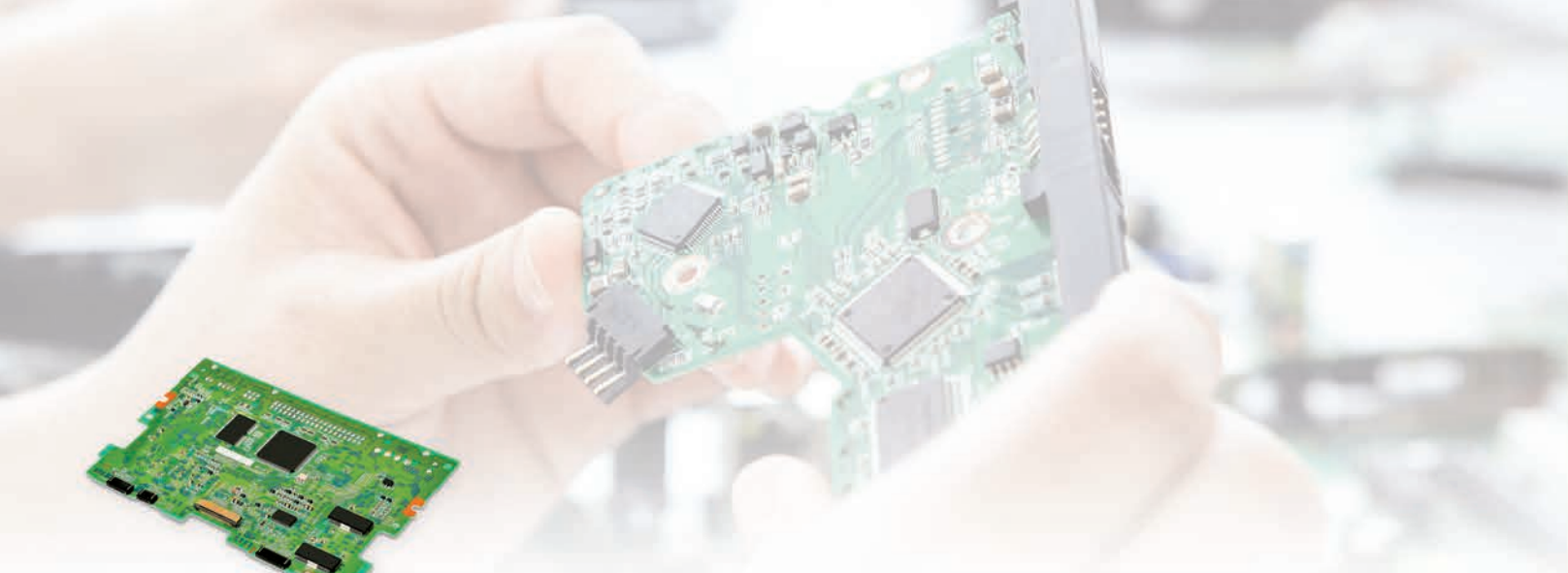
Customers can leverage our design & manufacturing expertise throughout the entire product development process. From conceptual design, prototyping, pilot-runs through to mass production, our team will work to get your project completed fast, elegantly and ahead of the competition.

Our global sales presence coupled with our choice of strategic global distribution partners means greater responsiveness when procuring AirBorn's products, no matter where you do business.

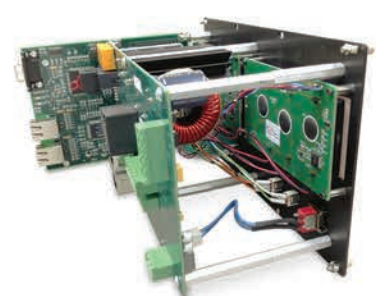


# Corporate Locations & Capabilities

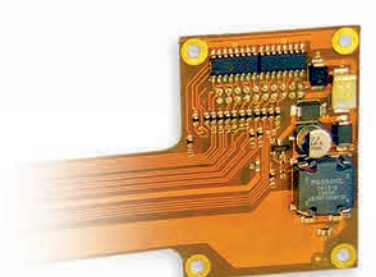
|                                      | Addison, TX  | Akron, OH   | Georgetown, TX  | Lake City, PA  | Little Falls, MN  | Taunton, MA  | Toronto, Canada  | Edenbridge, UK   | Other  |
|--------------------------------------|--|---|---|--|---|--|--|--|--|
| Product Specialties                  | <ul style="list-style-type: none"> <li>R-Series Connectors</li> <li>W-Series Connectors</li> </ul>   | <ul style="list-style-type: none"> <li>Cable Assemblies &amp; Harnesses</li> <li>Complete Panel Assemblies</li> <li>High Level Assemblies (HLAs)</li> <li>Printed Circuit Board Assemblies</li> </ul>   | <ul style="list-style-type: none"> <li>AOC Connectors &amp; Cables</li> <li>Cable Assemblies &amp; Harnesses</li> <li>High-Speed, Signal Integrity Solutions</li> <li>M-Series Connectors</li> <li>N-Series Connectors</li> <li>R-Series Connectors</li> </ul>  | <ul style="list-style-type: none"> <li>Cable Assemblies &amp; Harnesses</li> <li>High Spec Power Supplies</li> </ul>   | <ul style="list-style-type: none"> <li>Automation/Clean Room Assembly</li> <li>Connector Stampings &amp; Components</li> <li>High-Speed Signal Integrity Solutions</li> <li>R-Series Connectors</li> </ul>  | <ul style="list-style-type: none"> <li>Cable Assemblies &amp; Harnesses</li> <li>Fiber Optic Cables &amp; Assemblies                             <ul style="list-style-type: none"> <li>Glass &amp; Plastic</li> <li>ST, SC, LC &amp; SLA Terminations</li> </ul> </li> <li>High Level Assemblies (HLAs)                             <ul style="list-style-type: none"> <li>Electromechanical Assem.</li> <li>Frame Builds</li> <li>Power Distribution Panels</li> </ul> </li> <li>Printed Circuit Board Assemblies</li> </ul>   | <ul style="list-style-type: none"> <li>Design &amp; DFM Assistance</li> <li>Flex &amp; Rigid Flex Assembly</li> </ul>  | <ul style="list-style-type: none"> <li>Cable Assemblies &amp; Harnesses</li> <li>M-Series I/O, Solder Cup, Pigtail</li> </ul>  | <ul style="list-style-type: none"> <li>Flexible Circuit Assemblies</li> </ul>  |
| Manufacturing Specialties            | <ul style="list-style-type: none"> <li>CNC Machining</li> <li>Electronic Connector Manufacturing</li> <li>Screw Machine Shop</li> </ul>  | <ul style="list-style-type: none"> <li>Conformal Coating</li> <li>Full Turn-Key Manufacturer</li> <li>Full Service, Electro Mechanical Solutions Provider</li> <li>Harness Assemblies for Electronic Use Manufacturing</li> <li>Hi-Mix, Low-Volume Assembly</li> <li>Printed Circuit Board Assembly Manufacturing</li> </ul>  | <ul style="list-style-type: none"> <li>Electronic Connector Manufacturing</li> <li>Harness Assemblies for Electronic Use Manufacturing</li> </ul>   | <ul style="list-style-type: none"> <li>Electronic Connector Manufacturing</li> <li>Harness Assemblies for Electronic Use Manufacturing</li> <li>Printed Circuit Assembly (Electronic Assembly) Manufacturing</li> </ul>  | <ul style="list-style-type: none"> <li>Automation Design &amp; Manufacturing</li> <li>Electronic Connector Manufacturing</li> <li>Machinery Manufacturing</li> <li>Metal Crown, Closure &amp; Other Metal Stamping</li> <li>Mold Tool Design &amp; Manufacture</li> <li>Special Tool &amp; Die, Die Set, Jig, Fixture Design &amp; Manufacturing</li> <li>Stamp Tool Design &amp; Manufacture</li> </ul>  | <ul style="list-style-type: none"> <li>Custom Battery Assembly Mfg.</li> <li>Custom Harness Assemblies                             <ul style="list-style-type: none"> <li>Wire, Cable, Fiber Optic, COAX &amp; Poly tubing</li> </ul> </li> <li>Electromechanical Assembly</li> <li>Fiber Optic Cable Manufacturing</li> <li>NPI, Test and R&amp;D Builds</li> <li>Printed Circuit Board Assembly Manufacturing</li> </ul>   | <ul style="list-style-type: none"> <li>Extended length flex up to 100 ft.</li> <li>Flex: 10 layers; Rigid Flex: 15 layers</li> <li>Full, In-House Assembly</li> <li>High-Density Edge Connection Flex</li> <li>Sculptured Flex</li> <li>Supply Chain Management Solutions</li> </ul>   | <ul style="list-style-type: none"> <li>Electronic Connector Manufacturing</li> <li>Harness Assemblies for Electronic Use Manufacturing</li> </ul>  | <ul style="list-style-type: none"> <li>Bare Printed Circuit Board Manufacturing</li> </ul>   |
| Manufacturing Capabilities           | <ul style="list-style-type: none"> <li>Automated Epoxy &amp; Contact Lubricant Dispensing</li> <li>Automatic Contact Clipping</li> <li>CNC Machining &amp; Tool/Die                             <ul style="list-style-type: none"> <li>Engineering Drawings Downloaded Directly</li> </ul> </li> <li>Contact Assembly, Loaders, Insertion</li> <li>Heat Staking</li> <li>Injection Molding                             <ul style="list-style-type: none"> <li>Insert Molding Capabilities, Engineering Plastics: PPS, DAP, Nylon, LCP</li> </ul> </li> <li>Laser Marking</li> <li>Machining Capabilities                             <ul style="list-style-type: none"> <li>Mold Fabrication, Secondary Machining, Wire EDM</li> </ul> </li> <li>Optical/Video Inspection of Tools &amp; Finished Components</li> <li>Resistance Welding</li> <li>Robotic Contact Bending</li> <li>Robotic Solder Dipping</li> <li>Screw Machine Shop</li> <li>SMT Lead Forming</li> <li>Ultrasonic Welding</li> </ul> | <ul style="list-style-type: none"> <li>Automatic Tube &amp; Sleeve Cutting</li> <li>Automated Wire Cut, Strip, Terminate                             <ul style="list-style-type: none"> <li>Multi-conductor, Coax, Ribbon</li> </ul> </li> <li>Automated Wire Labeling</li> <li>Automated Wire Twisting</li> <li>Harness Board Wiring</li> <li>Large Gauge Hydraulic Cable Terminating</li> <li>Ribbon Cable Assembly</li> <li>SMT, Thru-Hole, Hybrid PCB Assembly</li> <li>Selective Solder Laser Wire Stripping</li> <li>Solder Pot Wire Tinning (Leaded &amp; RoHS)</li> </ul> | <ul style="list-style-type: none"> <li>3 &amp; 4 Axis CNC Machines &amp; Tool/Die                             <ul style="list-style-type: none"> <li>Supports Nano Shell Requirements, Micro D Shells &amp; Backshells</li> </ul> </li> <li>Crimping</li> <li>Epoxy Mixing &amp; Dispensing</li> <li>Hot Bar/Hand Soldering to IPC 620</li> <li>Laser Wire &amp; Cable Stripping</li> <li>Mechanical Wire &amp; Cable Cutting</li> <li>Mechanical Wire &amp; Cable Stripping</li> <li>Plasma Etching</li> <li>Resistance Welding</li> <li>Robotic Potting</li> <li>Robotic Solder Dipping</li> <li>Screw Machine For Nano Hardware</li> <li>SMT Lead Forming</li> <li>UV Epoxy Curing</li> <li>Vapor Degreasing</li> <li>VC2 Clean Environment</li> <li>Video Jet &amp; Laser Marking</li> <li>Wire Braiding</li> </ul> | <ul style="list-style-type: none"> <li>Aqueous Cleaning</li> <li>Batch Ovens For Drying &amp; Curing</li> <li>Clean Environment for Microelectronic Assembly</li> <li>Flow Ovens for Soldering Surface Mount Components</li> <li>Harness Board Wiring</li> <li>Hot Bar/Hand Soldering to IPC 620</li> <li>Induction Soldering</li> <li>Injection Molding</li> <li>Ink Jet Printing</li> <li>Machining</li> <li>Pick-and-Place Equipment for Placing Surface Mount Devices on PCBs</li> <li>Plasma Etching</li> <li>Selective Soldering</li> <li>Solder Pot Wire Tinning (Leaded &amp; RoHS)</li> <li>Spray Booth</li> <li>Vacuum De-Gas</li> <li>Wire &amp; Cable Cut and Strip</li> <li>Wave Soldering</li> </ul> | <ul style="list-style-type: none"> <li>3D Printing</li> <li>Automated Connector Assembly</li> <li>Automated Contact Assembly</li> <li>Epoxy Mixing &amp; Dispensing</li> <li>High-Speed Stamping</li> <li>Hot Bar/Hand Soldering to IPC 620</li> <li>Insert Molding</li> <li>Laser Wire &amp; Cable Stripping</li> <li>Metal Finishing Reel-to-Reel Plating                             <ul style="list-style-type: none"> <li>Tin, Tin Lead, Gold, Selective, Associated Process Controls</li> </ul> </li> <li>Plastic Injection Molding</li> <li>Resistance Welding</li> <li>Video Jet &amp; Laser Marking</li> </ul> | <ul style="list-style-type: none"> <li>Automated Pull Testing to 1,000 lbs.</li> <li>Automated Wire Cutting/Stripping                             <ul style="list-style-type: none"> <li>Multi-Conductor, COAX, Ribbon, Fiber Optic</li> </ul> </li> <li>Automated Wire Twisting</li> <li>Battery Pack Assembly</li> <li>Braiding, Nylon &amp; Tin Copper</li> <li>Custom Assembly Potting</li> <li>Custom Connector Potting</li> <li>Custom Flex Bar Assemblies</li> <li>Epoxy Mixing &amp; Dispensing</li> <li>Fiber Optics Assembly, Glass &amp; Plastic</li> <li>Harness Assemblies</li> <li>Injection Molding</li> <li>Large-Gauge Wire Terminating Up to 500 MCM</li> <li>Laser Stripping</li> <li>Logic Device Programming</li> <li>PCB Assembly                             <ul style="list-style-type: none"> <li>SMT, Thru-Hole, Hybrid</li> <li>0201 - 12 mil Pitch Devices Including BGA/LGA</li> </ul> </li> <li>Ribbon Cable Assembly</li> <li>Ultrasonic Cleaning</li> <li>Wire Marking:                             <ul style="list-style-type: none"> <li>In-Line Laser &amp; Holstamp</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Flex Assembly Specifications                             <ul style="list-style-type: none"> <li>1/2 oz Minimum Copper Clad Thickness, 10:1 Maximum Hole Aspect Ratio, 92 mil Maximum Board Thickness, 4 x 4 mil Trace Width &amp; Spacing, High-Speed &amp; High-Temperature Constructions</li> </ul> </li> <li>Flex Assembly Capability                             <ul style="list-style-type: none"> <li>BGA, Crimping, Conformal Coating, Eccobond, Hand Soldering, RoHS Capable, SMT (Machine Soldering), Wave Soldering</li> </ul> </li> <li>Materials                             <ul style="list-style-type: none"> <li>LCP, Polyimide: AP, FR, LF, TK</li> </ul> </li> <li>Surface Finishes                             <ul style="list-style-type: none"> <li>Bright Tin, ENIG, Hard Gold, HASL, Immersion Silver, Tin-Lead, OSP</li> </ul> </li> <li>Signal Shielding                             <ul style="list-style-type: none"> <li>Cross Hatch Copper, Silver Ink Epoxy, Solid Copper</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Banair ATE</li> <li>Contra Helically Laid Cables</li> <li>Crimping</li> <li>Drying/Curing Ovens</li> <li>Epoxy Dispensing</li> <li>Function Generator &amp; Oscilloscope</li> <li>Hand Soldering to IPC 620</li> <li>Harness Board Wiring</li> <li>Manual Solder Dipping</li> <li>Mechanical Wire &amp; Cable Cutting &amp; Stripping (Multi Conductor &amp; Coax)</li> <li>Plasma Etching</li> <li>Prototype Potting Mold Tooling</li> <li>Solvent Degreasing</li> <li>Video Jet Part Marking</li> </ul> | <ul style="list-style-type: none"> <li>1/4 oz Minimum Copper Clad Thickness</li> <li>24" x 30" Panel Sizes</li> <li>240 mm Maximum Board Thickness</li> <li>34 Layers</li> <li>3 x 3 mm Line Width &amp; Spacing</li> <li>Assembly Capability                             <ul style="list-style-type: none"> <li>0.25 mm Pitch Potting, SMT, Thru-Hole</li> </ul> </li> <li>Backplane Manufacturing</li> <li>CNC Machining</li> <li>Injection Molding</li> <li>Laser Drilling &amp; Laser Skiving</li> <li>Micro-via Capability</li> </ul> |
| Qualification & Control Capabilities | <ul style="list-style-type: none"> <li>QE2</li> <li>Optical/Video Inspection                             <ul style="list-style-type: none"> <li>13" Monitors</li> <li>Microscopes</li> <li>Optical Comparators</li> </ul> </li> <li>Test Automation</li> <li>Nadcap Certified Hardware Passivation</li> </ul>  | <ul style="list-style-type: none"> <li>Automated Optical Inspection                             <ul style="list-style-type: none"> <li>SMT Components on PCBs</li> <li>Microscope</li> </ul> </li> <li>Automated Tensile Testing</li> <li>Cirrus Electrical Testing                             <ul style="list-style-type: none"> <li>Continuity, Full Functionality, Hi-Pot, Resistance</li> </ul> </li> <li>Crimp Height Monitoring</li> <li>Medical Assembly Cable ISO 13485</li> <li>Testing &amp; Tuning: RF Tuning (RFL Circuits)</li> </ul>                               | <ul style="list-style-type: none"> <li>Environmental, Electrical, Mechanical Test Lab                             <ul style="list-style-type: none"> <li>Continuity, DWV, Resistance Testing, Digital Pulse Analysis, Heat Chamber, Product Development Testing, Qualification Testing, Root Failure Analysis, Salt Spray, Signal Integrity Testing, Shock Table, Thermo Chamber, Validation &amp; Verification Testing, Vacuum Chamber, X-Ray/CT Scan, L1 &amp; L2 Techs</li> </ul> </li> <li>IPC- Space Addendum Certified Trainer</li> </ul>   | <ul style="list-style-type: none"> <li>Automated Tensile Testing</li> <li>Crimp Height Monitoring</li> <li>Electrical Testing                             <ul style="list-style-type: none"> <li>Continuity, DWV &amp; Resistance</li> </ul> </li> <li>Environmental Testing</li> <li>Ionic Contamination Testing</li> </ul>   | <ul style="list-style-type: none"> <li>Atomic Absorption (AA) Measures Concentration of Metals In Solution</li> <li>Class 1,000 Clean Room</li> <li>Differential Scanning Calometer (DSC), Measures Melt Temp. for Solder &amp; Plastics</li> <li>Cirris Electrical Testing                             <ul style="list-style-type: none"> <li>Continuity, DWV, Resistance</li> </ul> </li> <li>Probe Inspection Technology (Ziess)</li> <li>QE2</li> <li>Vision Inspection (OGP)</li> <li>XRF Equipment for Measurement of Coating Thickness</li> </ul>  | <ul style="list-style-type: none"> <li>Automated Pull Test</li> <li>Automated Optical Inspection</li> <li>Certified IPC Trainer On Site</li> <li>Cirris Electrical Testing                             <ul style="list-style-type: none"> <li>Continuity, Hi-Pot, Resistance, Linear Components</li> </ul> </li> <li>Electrical Testing                             <ul style="list-style-type: none"> <li>ICT, FCT</li> </ul> </li> <li>Ionic Contamination Testing</li> <li>IPC 610, IPC 620, IPC 7711/7722, IPC 620 Space Addendum, IPC J-STD-001, IPC J-STD-001 Space Addendum</li> <li>Thermal Testing</li> <li>Xray</li> </ul>   | <ul style="list-style-type: none"> <li>AS9100 Rev.D</li> <li>CGP Certified</li> <li>Environmental Testing</li> <li>Full FAI Capability</li> <li>IPC 6013/IPC 600/IPC 610 Class 3</li> <li>IPC J-STD-001</li> <li>ISO9001:2015</li> <li>MIL-PRF-50884/31032</li> <li>Panel &amp; Assembly Electrical Testing</li> <li>UL 94V0/V1 on Many Constructions</li> </ul>   | <ul style="list-style-type: none"> <li>Automated Tensile Testing</li> <li>Cirris Electrical Test Equipment                             <ul style="list-style-type: none"> <li>Continuity, DWV, Resistance Testing</li> </ul> </li> <li>Crimp Height Monitoring</li> <li>IPC Trainer</li> </ul>   | <ul style="list-style-type: none"> <li>Environmental Testing</li> <li>Leakage Test Chamber</li> <li>Panel &amp; Assembly Electrical Testing</li> </ul>   |



PCB Assemblies



Box-Build



Flexible Circuit Assemblies



Wire & Cable Assemblies



Lab Services



Fiber-Optic Cabling

## Value-Added Services

AirBorn's value-added services expand our capabilities well beyond interconnects. We proudly offer **PCB assembly** (including flexible circuits), complete **chassis/box builds**, **power supply manufacturing**, **cable assemblies** (including active optical & fiber optics) & **wiring harnesses** and categorical **qualification & lab services**. We're highly trained and well equipped to deliver the finest quality product each and every time.

With all of our customer-centric services offered under one roof, we eliminate mark-ups that come with dealing with multiple suppliers — shortening lead-times and saving customers both time and money.

# Why Partner with AirBorn?



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

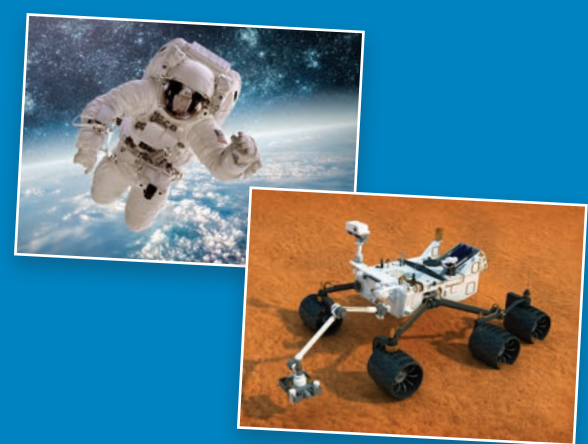
Because **Dependability** is **Vital to the Mission**



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

