PRODUCT OVERVIEW SHEET

AirBorn verSI Series High-Density Connectors ›

Delivering high-speed, high-density signal integrity for mission-critical applications, AirBorn verSI Series High-Density Connectors have proven performance under extreme conditions, including rigorous shock and vibration testing for aerospace and defense. These military-grade rectangular connectors offer 40 to 500 contacts in plastic or ruggedized metal bodies with a four-point contact system for reliable connectivity. Scalable and customizable, AirBorn verSI connectors feature an open-pin field design that supports vertical, right-angle, cable- and flex-circuit mounting and are available in press-fit, paste-in-hole, plated through-hole, pre-wired cable and flex-circuit options.

ADVANTAGES AND FEATURES

Ensures reliable signal integrity
With an open-pin field design, these micro-miniature rectangular connectors support rates up to 25Gbps, delivering high-speed data transmission for mission-critical applications.

Supports multiple design-body options for overcoming weight limitations and extreme conditions
Lightweight plastic shells minimize overall system weight while rugged metal housings provide enhanced mechanical strength and environmental protection for demanding aerospace, defense and industrial applications.

Ensures long-term durability and reduces the risk of intermittent failures in harsh environments
The innovative design has four redundant points of contact, delivering robust electrical connections, even in extreme conditions.

Enables mezzanine and compact multi-board designs for space optimization in dense layouts
Adjustable board-to-board stacking heights range from 8.00 to 25.00mm.

Delivers exceptional shielding against electrical interference for enhanced EMI protection
Right-angle, panel-mount flanges combined with integrated EMI gaskets ensure signal integrity and reliable performance in high-noise environments.

Enables design flexibility for streamlined assembly, prototyping and integration
Various mounting and termination options support complex system architectures to overcome design constraints and avoid time delays.

Enhances system integration, maintains consistent quality and streamlines the supply chain
In-house manufacturing of both cable and flexible circuit assemblies ensures seamless cable and flex assembly.

Demonstrates proven space-flight operation
These connectors are reliable in space and other extreme environments for high confidence in aerospace and defense applications.

MARKETS AND APPLICATIONS

Aerospace
Commercial airplanes

Defense
Combat vehicles
Missiles
Radar systems

MedTech
MRI machines

Space
Satellites

Commercial Airplanes

MRI Machines

Satellites

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