

# AirBorn Z Series Compression Interposer Connectors ➤

AirBorn Z Series Compression Interposer Connectors deliver solderless, high-density board-to-board and flex circuit stacking for aerospace, defense, space and rugged industrial applications where reliability is essential. The patented one-piece contact system ensures consistent electrical continuity while rigid bodies and precision guide pins simplify alignment for repeatable, error-free assembly. Proven in extreme vibration, thermal cycling and high-shock environments, AirBorn Z Series connectors save board space, reduce costs and minimize failure points for lasting performance in mission-critical systems.



## ADVANTAGES AND FEATURES

### Streamlines manufacturing and repairability

Use of patented z-axis compression contact system enables easy solderless board-to-board or flexible circuit connections while also streamlining manufacturing and repairability.

### Eliminates oxidation through contact wiping action

The contact wiping action of the AirBorn Z Series Compression Interposer Connectors helps to remove both oxidation and foreign object debris.

### Provides reliable flexible connections

Flexible design enables compatibility with 3D-routed flex assemblies, supporting intricate, space-saving designs without compromising reliability.

### Minimizes PCB real estate

High density two- to seven-row options with 20 to 175 contacts per connector maximize signal density while minimizing used board space and weight.

### Simplifies manufacturing and repairability

Solderless design simplifies manufacturing and repairability by reducing labor and eliminating inspection steps, which lowers total assembly cost.

### Enables versatile system integration

A range of body heights from 0.100 to 0.350" or more support multiple board stacking in complex assemblies.

### Simplifies installation and maximizes reliability

Rigid body design and guide pins simplify installation, ensuring precise contact targeting.

### Ensures dependable performance in extreme environments

AirBorn Z Series connectors have proven reliable in missiles, helicopters, satellites and ruggedized computers, delivering reliable performance under the harshest conditions.

## MARKETS AND APPLICATIONS

### Aerospace

Airframes  
Avionics  
Helicopters  
Satellites



Satellites

### Defense

Missiles  
Ruggedized computers  
Submarines



Submarines