

AirBorn N Series MIL-DTL-32139 Nano-D Connectors >



Delivering high-reliability performance, AirBorn N Series MIL-DTL-32139 Nano-D Connectors are rugged and ultraminiature for aerospace and defense applications where size, weight and reliability are paramount. Engineered to withstand harsh conditions, including temperature extremes, vibration and space flight forces, the MIL-DTL-32139 qualified series ensures proven durability in challenging environments. Available in I/O pre-terminated flying leads and board-mount models with SMT or PTH terminations, AirBorn N Series Nano-D connectors offer versatile design flexibility.

ADVANTAGES AND FEATURES

Maximizes fuel efficiency and payload capacity

This connector weighs less than 1 gram, reducing the overall system mass for a lightweight design.

Provides enhanced connection reliability

Reliable three-contact point mating helps prevent signal loss during extreme vibration and brief disengagements.

Supports a variety of signal and power needs

The wide range of contact options from nine to 91 provides maximum design flexibility in power and signal handling.

Has field-proven reliability

With more than 30 years of deployment, AirBorn N Series Nano-D connectors are test-design suitable for mission-critical systems.

Enables use in avionic systems where standard connectors would fail due to heat exposure

A high-temperature resistance makes these connectors suitable for avionics and downhole applications.

Reduces assembly time

Designed for assembly simplicity, these pre-terminated I/O connectors save time and improve manufacturing consistency.

Enables enhanced sealing against moisture

Splash-proof models with a fluorosilicone O-ring, help ensure reliable performance in moisture-prone environments.

Ensures trusted performance beyond the earth's atmosphere

These connectors are used in orbiting satellites and launch systems, demonstrating its extraordinary space-flight capability.

MARKETS AND APPLICATIONS

Aerospace

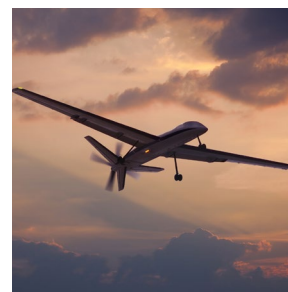
- Avionics
- Commercial airplanes
- Engine control systems
- Helicopters
- Radar systems
- Unmanned aerial vehicles

Defense

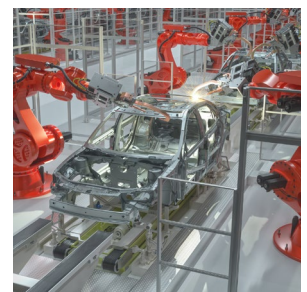
- Avionics
- Engine controllers
- Head-mounted displays
- Missile systems
- Radar systems
- Robotics
- Torpedoes
- Unmanned vehicles



Avionics



Unmanned Vehicles



Industrial Robotics

Industrial Automation

- Industrial robotics
- Oil and gas downhole equipment

Space

- Launch systems
- Satellites

MedTech

- Medical equipment
- Portable medical devices

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