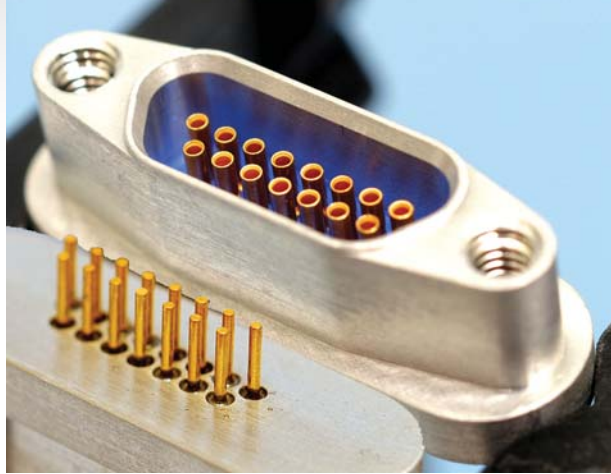


Hermetic DC Connectors



Aluminum Micro-D Connectors

These Micro-D connectors meet the same interface requirements as our robust mil-spec compliant connectors. The controlled CTE characteristics, chemical bonding properties and polycrystalline structure of Kryoflex[®], allow PA&E to use gold plated beryllium copper contacts for excellent electrical performance and environmental characteristics.

Lightweight ■ All aluminum shells available

High Performance ■ Copper alloy pins, ceramic sealing

Reliable ■ Laser weld installation



Hermetic DC Connectors



Technical Features

Materials

- **Material Compatibility:** Designed for Aluminum Applications
- **Shell Finish Options:** Chromate Conversion Coated per MIL-C-5541
- **Contact Material:** Beryllium Copper CDA Alloy 172/173
- **Contact Finish:** Nickel/Gold Plating

Electrical

- **Current Rating:** Subject to Pin Configuration
- **Insulation Resistance:** Provides Greater Than 5,000 Megohms at 500 VDC When Tested in IAW MIL-STD-1344, Method 3003
- **Dielectric Withstanding Voltage:** Exhibits No Evidence of Breakdown or Flash-over When Tested in IAW MIL-STD-1344, Method 3003

Description

PA&E's technology is proven in the harshest environments – from deep beneath the earth's surface to deep space and even within the human body. Our 38999 style connector provide a unique solution for application that require a combination of light weight, and high electrical performance.

Applications

- Defense Aircraft
- Airborne Weapons Systems
- Launch Vehicles
- Satellites

Environmental

- **Operating Temperature:** -55°C to 125°C
- **Salt Spray Resistance:** Connectors Meet Salt Spray Test in IAW MIL-STD-1344, Method 3003
- **Sealing:** Kryoflex Polycrystalline Ceramic

Mechanical

- **Interface:** Per MIL-PRF-83513
- **Number of Contacts:** 9, 15, 21, 25, 31 and 37
- **Leak Rate:** Less Than 1×10^{-9} cc/sec Helium at 1 Atmospheric Differential Pressure

For further information contact us at sales@pacaero.com
or visit our web site www.pacaero.com

