

Hermetic DC Connectors



High Pressure, High Temperature Connectors

PA&E's high pressure, high temperature connectors and feed thus are widely used in the energy industry on LWD (logging while drilling), MWD (measuring while drilling) and other applications where absolute reliability is a must.

Field Proven Technology ■ Geophysical & industrial applications

Innovative ■ Proven ceramic sealing technology

Reliable ■ 30,000 PSI, 300C



Hermetic DC Connectors



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 custom HP/HT connectors and integrated electronic packages are manufactured to deliver on specific requirements including: non-magnetic properties, high electrical throughput, thermal conductivity and more.

Applications

- Energy Exploration and Extraction
- Industrial

Technical Features

Materials

- **Material Compatibility:** Designed for Iron/Nickel Alloy Applications
- **Body Material Material:** Iron/Nickel Alloy
- **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

Environmental

- **Operating Temperature/Pressure:** – 60°C to 300°C, up to 30KPSI
- **Salt Spray Resistance:** Connectors Meet Salt Spray Test in IAW MIL-STD-1344, Method 3003
- **Sealing:** Kryoflex Polycrystalline Ceramic

Mechanical

- **Nominal Pin Diameter:** 0.040", 0.063", 0.094", 0.141" Diameter and Custom
- **Leak Rate:** Less Than 1×10^{-9} cc/sec Helium at 1 ATM
- **Thermal Cycling:** Tested to 500 (minimum) thermal cycles without hermetic performance loss

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

