



## Press Release

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### **PA&E Announces New Non-magnetic Micro-D Connectors**

*High-Performance Hermetic Option for Non-Magnetic Applications*

**Wenatchee, WA – January 28, 2010** – Engineers designing electronic components for use in applications where non-magnetic characteristics are required now have a new connector option following PA&E's announcement of its new non-magnetic Micro-D connector line.

These new Micro-D connectors combine a MIL-PRF-83513 compliant Micro-D interface with very low magnetic permeability characteristics and are particularly suitable for harsh environments where superior hermetic integrity and non-magnetic characteristics are crucial to a component's design. The connector's shell is comprised of titanium and Inconel because this metal combination delivers the strength, expansion coefficients and low magnetic permeability required. These metals are joined using PA&E's unique explosive [metal welding processes](#). Pin material options include Inconel, molybdenum or titanium.

Designed to be laser welded into PA&E's titanium or [titanium composite electronic packages](#), these new Micro-D connectors can be manufactured in 9,15,21,25,31,37,51 and 100 pin configurations. These connectors use PA&E's unique polycrystalline ceramic sealing technology to deliver a leak rate of less than  $1 \times 10^{-9}$  cc/sec Helium at 1 atmospheric differential pressure. The new Micro-D line provides insulation resistance of more than 5,000 Megohms at 500 VDC and exhibit no evidence of breakdown or flashover when tested in IAW MIL-STD-1344, Method 3003. They will perform reliably in temperatures ranging from -65°C to 260°C.

For more information about non-magnetic Micro-D connectors from PA&E, or to learn more about the company's other [interconnect products](#), [EMI filters](#), and integrated

[electronic packaging](#) capabilities, contact PA&E at 509-664-8000 or visit us at <http://www.pacaero.com>.

*PA&E, Inc. is an integrated manufacturing company, specializing in technically demanding ceramic and metal components and assemblies, hermetic connectors and advanced micro-electronic hermetic packaging for global leaders in the defense, space, medical and commercial industries. PA&E is ISO 9001:2000/AS9100 Rev B certified and NADCAP compliant.*

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