



## Press Release

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### **PA&E Announces Lightweight Hermetic Receptacle for Souriau's *microComp*<sup>®</sup> Connector Line**

*New Option for Applications Where Size, Weight and Hermetic Performance are Key Considerations*

**Wenatchee, WA – October 6, 2009** -- Engineers who want to leverage Souriau's light-weight, high-density *microComp* connector line in harsh environment applications can now shave even more weight off their design without compromising hermetic integrity, following with the new aluminum compatible *microComp* hermetic receptacle from PA&E.

[Souriau's \*microComp\* connector line](#) is well suited to any application that requires a light-weight, high-density rectangular connector. *microComp* connectors typically weigh 60% less and are 25% smaller than standard high-density Sub-D connectors. They can be built with as few as seven or as many as 104 contacts and have a contact pitch of 2.0 x 1.7 mm<sup>2</sup>. The *microComp* line comes in both space and military grade configurations and each connector offers dismountable contact construction for wiring flexibility.

The new aluminum compatible PA&E *microComp* hermetic receptacle is currently designed for the *microComp* 25-pin configuration and offers a weight savings of up to 40% when compared to stainless steel alternatives. It has a leak rate of less than 1X10<sup>-9</sup> cc/sec helium at one atmospheric differential pressure thanks to PA&E's [Kryoflex](#)<sup>®</sup> polycrystalline ceramic. Kryoflex-sealed connectors provide superior electrical performance -- up to 70 times the current-carrying capacity of conventional products -- while withstanding extreme mechanical and thermal stresses.

The *microComp* hermetic receptacle provides an insulation resistance of greater than 5,000 megohms at 500 VDC when tested in IAW MIL-STD 1344, Method 3003. It is built with beryllium copper alloy contacts that are finished in nickel/gold and has an operating temperature range of -55°C +170°C. The *microComp* receptacle is designed for aluminum, titanium or iron/nickel alloy applications and is available in laser-weldable or o-ring mount styles. These receptacle connectors are also available in a double-ended bulkhead configuration for applications requiring an interconnection on both sides.

For more information about PA&E's custom [interconnect products](#), [integrated electronic packaging capabilities](#) or [EMI filter](#) product line, contact the company at 509-664-8000 or visit at <http://www.pacaero.com>.

*PA&E, Inc. a member of the Souriau Group, 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.*

*Kryoflex is a registered trademark of PA&E. microComp is a registered trademark of Souriau.*

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