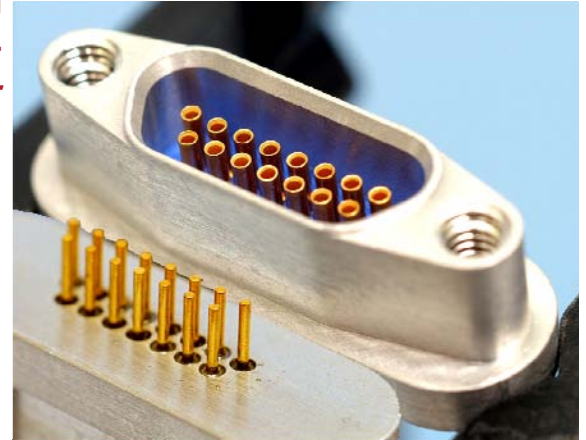


ALUMINUM DIRECT-SEAL MICRO-D CONNECTORS

SOURIAU PA&E combines Kryoflex® ceramic-to-metal sealing technology with an aluminum shell to create an ultra light-weight environmentally sealed laser weldable connector.

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



- ◆ **Lightweight Aluminum Connector**
- ◆ **Copper Alloy Pins**
- ◆ **Interface conforms to MIL-PRF-83513**
- ◆ **Ceramic-to-Metal Sealing**
- ◆ **Designed to be laser welded into aluminum housings**

Specifications and testing configuration:

PERFORMANCE CONFIGURATIONS		MICRO-D					
		LOW PROFILE, FLANGED	LOW PROFILE, NOT FLANGED	STANDARD PROFILE, FLANGED	STANDARD PROFILE, O-RING, FLANGED	STANDARD PROFILE, DOUBLE-ENDED	STANDARD PROFILE, SOLDER-IN
SPECIFICATIONS	MATERIAL COMPATIBILITY	Designed for Aluminum applications					
	CONTACT MATERIAL	Beryllium Copper CDA Alloy 172/173					
	SHELL FINISH OPTIONS	Chromate Conversion Coated per MIL-C-5541					
	CONTACT FINISH	Nickel/Gold Plating					
	INTERFACE	Per MIL-PRF-83513					
	NUMBER OF CONTACTS	9, 15, 21, 25, 31 and 37					
	OPTIONAL SOLDER CUP	Accepts 24 to 30 AWG solid/stranded wire					
PERFORMANCE	LEAK RATE	Less than 1×10^{-5} cc/sec Helium at 1 atmospheric differential pressure					
	INSULATION RESISTANCE	Connectors provide greater than 5,000 Megohms at 500 VDC when tested in IAW MIL-STD-1344, Method 3003					
	DIELECTRIC WITHSTANDING VOLTAGE	Connectors exhibit no evidence of breakdown or flashover when tested in IAW MIL-STD-1344, Method 3003					
	CORROSION	Connectors meet salt spray test in IAW MIL-STD-1344, Method 3003					
	OPERATING TEMPERATURE	-55°C to 125°C					



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ISO 9001:2008/AS9100