Male Plug connectors intended for integrated microwave assemblies

SRI Hermetics, Inc. announces the release of their laser weldable hermetic aluminum Micro-D Male Plug connectors for integrated microwave assemblies.

SRI Hermetics' laser weldable hermetic aluminum Micro-D Male Plug connectors conform to MIL-PRF-83513 and are available in 9, 15, 21, 25, 31, 37, 51, and 100 count pin/socket configurations. The interface and mounting holes are in accordance with MIL-PRF-83513/2. The non-mating side can be supplied with insulated wire, custom flex circuits, solder cups, or configured to accept wire bonds. Leak rates are less than 1 X 10 -9 cc/sec He at one atmosphere differential pressure. The Mirco-D connectors have a temperature range of -65 C to 200 C. These high-rel connectors are currently being deployed in space applications, IR systems, UAVs, and integrated microwave assemblies.

The Micro-D Male connectors, like all of SRI Hermetics' multi-pin connectors, utilize SRI Hermetics' exclusive Ceramax dielectric compound in conjunction with BeCu contacts to create a best-in-class hermetic seal. Ceramax is impervious to crack propagation, the #1 failure mode of conventional glass seals and lesser ceramics. The Micro-D Male Plug connectors are also available in titanium and stainless steel.

SRI Hermetics also offers a full line of hermetic D-subs, Micro-D, RF feedthroughs, and circular connectors in aluminum and titanium. All of these parts can be integrated at SRI Hermetics into custom hermetic electronic packages.

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