

WORLD LEADER

HERMETIC CONNECTORS HERMETIC PACKAGING



MICRO-D CONNECTORS
MIL-PRF-83513

MICRO-D CONNECTORS, MIL-PRF-83513

SRI Hermetics' hermetic Micro-D connectors conform to MIL-PRF-83513 and are available in 9, 15, 21, 25, 31, 37, 51, and 100 count pin/socket configurations. 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 1×10^{-9} cc/sec He at one atmosphere differential pressure. The Micro-D connectors have a temperature range of -200°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 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.



When you are ready to start your hermetic project, our staff works with you to design products to meet those needs.

GENERAL DESIGN SPECIFICATIONS



SRIMD 101



SRIMD 502



SRIMD 601



SRIMD 1006



SRIMD 2001



SRIMD 5003

- All interfaces manufactured in accordance with MIL-PRF-83513.
- Leak Rate is less than 1×10^{-9} cc/sec He at one atmosphere differential pressure.
- Internal pins can be configured to accept insulated wire, wire bonds, solder cups, or flex.
- Operating temperature range for Micro-D connectors -200°C to +200°C
- Beryllium-Copper Pin/Socket are individually sealed with Ceramax
- Current rating: 3 amps per contact

(see sales drawings for specific configurations)

Sales Drawing	Weldable
SRIMD101	Mid-Flanged, Receptacle, Aluminum
SRIMD102	Mid-Flanged, Receptacle, Titanium
SRIMD104	Mid-Flanged, Receptacle, Stainless Steel
SRIMD501	Top Flange, Receptacle, Aluminum
SRIMD502	Top Flange, Receptacle, Titanium
SRIMD505	Top Flange, Receptacle, Stainless Steel
SRIMD601	No Flange, Low Profile, Receptacle, Aluminum
SRIMD701	Mid-Flange, Plug, Aluminum
SRIMD703	Mid-Flange, Plug, Stainless Steel
SRIMD1001	Rear Mount, Stainless Steel
SRIMD1004	Rear Mount, Stainless Steel
SRIMD5002	Receptacle/Receptacle, Stainless Steel
SRIMD5003	Receptacle/Receptacle, Aluminum
SRIMD5004	Receptacle/Plug, Aluminum
Sales Drawing	O-ring Mounted
SRIMD2001	Panel Mount, Receptacle, Stainless Steel
SRIMD2002	Panel Mount, Receptacle, Stainless Steel, Wired
SRIMD2003	Panel Mount, Receptacle, Stainless Steel, Flex Attach
SRIMD2006	Panel Mount, Receptacle/Plug, Stainless Steel Solderable
SRIMD301	Mid-Flange, Receptacle, Aluminum
SRIMD1006	Rear-Mount, Receptacle, Stainless Steel
Accessories for Hermetic Connectors	
Sales Drawing	Accessories
SRIMD202	Wired Plug Mate, 26 AWG wire
SRIMD203	Wired Receptacle Mate, 26 AWG Wire
SRIC101	Micro-D solder cup
SRIC111	ESD Dust Covers for SRIMD101, 102, and 104 Connectors



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