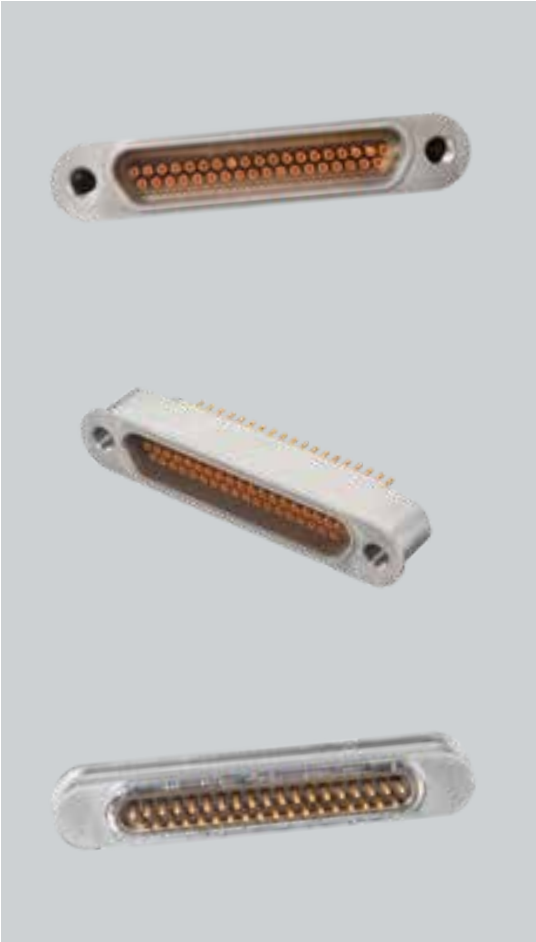
HERMETICS

MICRO-D CONNECTORS

MIL-PRF-83513



PRODUCT DESCRIPTION

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 X 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 our hermetic multi-pin connectors, utilize 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.

SPECIFICATIONS

- All interfaces manufactured in accordance with MIL-PRF-83513
- Leak Rate is less than 1 x 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/Sockets are individually sealed with Ceramax®
- Current rating: 3 amps per contact

Customized for your unique requirements

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

MICRO-D CONNECTORS

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
SRIMD5008	Receptacle/Receptacle, 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
Sales Drawing	*Weldable*
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

See sales drawings for specific configurations.