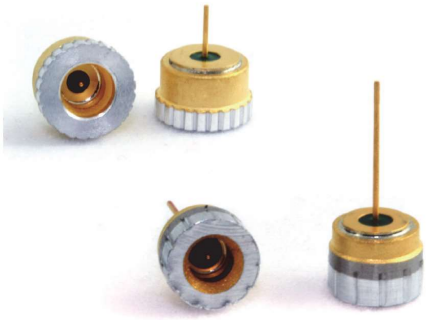
Hermetically Sealed Connectors & Feedthroughs



SRI products, like their hermetically sealed connectors, are now sold under the Win™ brand from Winchester Interconnect™.

Hermetic Seal Advantage
A hermetic seal is more than air tight and is designed to keep any damaging particles from infecting the outside environment or the function of electronic equipment.

This seal can last up to 20 years (whereas an epoxy can become defective in less than 2 years).

Customization
When a standard product won't suffice, customization is our business. Tell us your problem and we will find a solution, whether it be:
- 3D Design & Engineered Solutions
- Mixed Metals
- Customized Interfaces
- Varying Form Factors

Applications
- Extreme Temperature Exposure
- Harsh Environments
- Dust Free Settings
- Sensitive Conditions

Winchester Interconnect™
We Energize Innovation™

Hermetic Connector Specifications

Sub-D
Conforms to:
MIL-DTL-24308

Micro-D
Conforms to:
MIL-DTL-83513

Nano
Conforms to:
MIL-DTL-32139/4

Circular

Headers

DC Single-Pin

Each contact is sealed with our proprietary ceramic, Ceramax.

Advantages
Solution to glass seal failures by eliminating cracking that is associated with glass or multiphase ceramics.

High reliability connector that can withstand extreme environmental conditions.

Materials
Beryllium-copper contacts giving you the highest current-carrying capabilities.

All available in Stainless Steel, Aluminum, and Titanium.

Specifications
Utilizing Winchester's exclusive ceramic dielectric material in our connector manufacturing processes, as well as joining dissimilar metals through explosion welding, vacuum brazing, laser welding, and diffusion bonding, we are able to produce superior, highperformance hermetically sealed interconnect solutions that can adapt to any material.

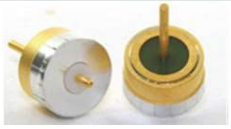
Hermetic Feedthrough Specifications

SMP

SMPM

TNC

SMA



SSMA

Each contact is sealed with Corning 7070 equivalent glass

Advantages
A more-than-air-tight seal that can last up to 20 years.
Multi-pin feedthroughs available for vacuum applications.

Materials
All RF feedthroughs are made with nickel-iron-cobalt alloy in accordance with ASTM F15.

All connectors and RF feedthroughs can be laser welded into flanges or fittings in any material or configuration.

Electronic Packaging
All RF feedthroughs and connectors can be integrated into higher level assemblies and electronic packages such as chassis and vacuum assembly packages. These packages are available in Stainless Steel, Aluminum, and Titanium or any combination thereof.