

# WORLD LEADER

HERMETIC CONNECTORS HERMETIC PACKAGING



DUAL LOBE  
NANO-MINIATURE  
CONNECTOR

## DUAL LOBE NANO-MINIATURE CONNECTOR

Technology has driven requirements for smaller and lighter microwave packages; SRI Hermetics' Nano connectors are the perfect choice to meet these requirements. Our hermetic Nano connectors are also ideal for applications such as Cryogenic, Space, Optical, Petroleum, and UAV systems. We offer, as a standard product, the dual row and single row laser weldable versions in aluminum, titanium, and stainless steel. The beryllium copper contacts are each individually sealed utilizing our ceramic insulator Ceramax®. This ceramic dielectric is used in all of SRI Hermetics' Nano connectors which make them the most reliable hermetic connector available, meeting or exceeding MIL-DTL-32139 requirements.

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

*The quality of these products is derived from years of successful design and from production standards that meet the needs of customers looking for the very best in hermetic products.*



## GENERAL DESIGN SPECIFICATIONS



SRIND101



SRIND1001



SRIND503



SRIND202

- All of these connectors are offered in contact configurations of 9, 15, 21, 25, 31, 37, and 51.
- Leak rate is less than  $1 \times 10^{-9}$  cc /sec He at one atmosphere differential pressure.
- Internal pins can be configured to accept insulated wire, wirebonds, ribbon welds, or flex.
- Operating temperature range for hermetic receptacles -200°C to 350°C.
- Insulation resistance is  $> 5,000$  Megohms at 250 VDC.
- DWV: Connectors show no evidence of breakdown or flashover at 300 VAC.
- Current rating: 1 amp per contact.

*(see sales drawings for specific configurations)*

Sales Drawing	Description
SRIND101	Dual row, aluminum laser weldable, mid-flange
SRIND102	Dual row, titanium laser weldable, mid-flange
SRIND103	Dual row, stainless steel laser weldable, mid-flange
SRIND202	Dual row non-hermetic wired plug
SRIND501	Dual row, aluminum laser weldable, top flange (low profile)
SRIND502	Dual row, titanium laser weldable, top flange (low profile)
SRIND503	Single row, aluminum laser weldable, top flange (low profile)
SRIND504	Dual row, aluminum laser weldable, top flange with flying leads (30 AWG)
SRIND1001	Dual row, aluminum solderable, mid-flange



3950 Dow Road Melbourne, FL 32934-9289

www.SRIHermetics.com • Tel 321.254.4067 • Fax 321.752.9221