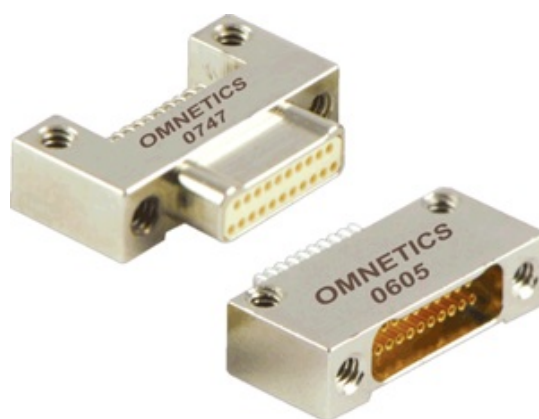


# Nano-D / Bi-Lobe® Connectors - Dual Row - Horizontal SMT (AA)

 [omnetics.com/products/bi-lobe-nano-d-connectors/dual-row-nano-d-bi-lobe-connectors](https://omnetics.com/products/bi-lobe-nano-d-connectors/dual-row-nano-d-bi-lobe-connectors)

Horizontal SMT Bi-Lobe® nanos offer an extremely low profile package that is well suited to pick and place mounting methods. These connectors feature Omnetics highly reliable gold plated Flex Pin contact system conforms to the requirements of MIL-DTL-32139. These rugged lightweight connectors are suitable for the most demanding applications. Available with threaded mounting holes suitable for PCB and flex mounting. These connectors are available in standard sizes ranging from 9 through 65 positions, as well as custom configurations.

Electrical Mechanical Specifications	
Temperature:	-55°C to 125°C (200°C with HTE)
Durability:	200 Mating cycles min*
Insulation Resistance:	5000 megohms min
Voltage Rating (DWV)	250 VAC RMS Sea Level
Shock:	100 g's discontinuities > 10 nanosecond
Vibration:	20 g's discontinuities > 10 nanosecond
Thermal Vacuum Outgassing	1.0% max TML, 0.1% max VCM
Contact Resistance:	71 mV Drop @ 1 amp
Current Rating:	1 amp per contact
Mating/Unmating Force:	7oz. (198g) max per contact
Material Specifications	
Shell Material and Finish	Aluminum Shell, Electroless Nickel Plated Aluminum Shell, Black Anodized Aluminum Shell, Cadmium Plated Titanium Shell, Unplated Stainless Steel Shell, Passivated
Insulator	Liquid Crystal Polymer
Pin	Gold Plated BeCu



Insulator	LCP per MIL-DTL-83513 or PEEK
Socket	Gold Plated Copper Alloy
Encapsulant	Epoxy