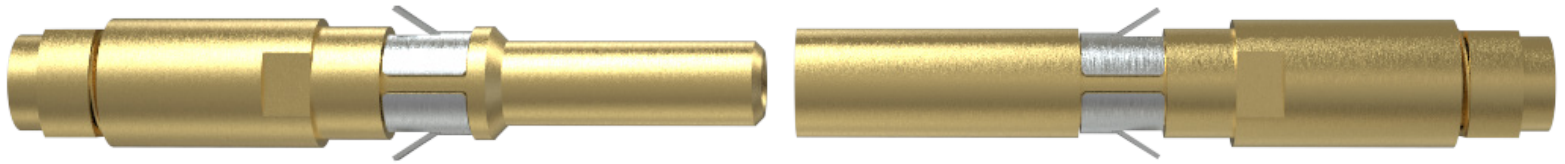


50GHz COAXIAL CONTACTS



Blindmate RF/Microwave Contact for High Density Multiport RF Connectors

The 50 GHz contacts demonstrate outstanding RF performance from DC to 50 GHz. Our 50 GHz contacts offer the best density for higher frequency requirements, and can be used in micro coax modules for 90 Series systems and iSeries solutions. The contacts are available in patchcords using Flex 405 high frequency wire.

Electrical Specifications

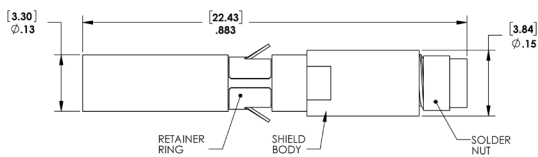
Characteristic	50 Ω
Frequency Range	DC to 50 GHz
Dielectric Withstanding Voltage	700 VRMS
Insertion Loss	.095 x √f(GHz) dB
Contact Resistance	Center Contact - 6 mΩ Outer Contact - 4 mΩ
VSWR	1.35 Max

Mechanical Specifications

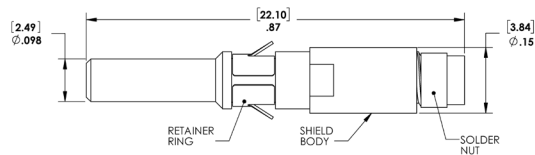
Contact Material	Copper Alloy
Contact Body Material	Shield - Brass Center Conductor - Copper Alloy
Contact Plating	50 μ" Au over Ni
Contact Termination	Solder - Clamp

Environmental Specifications

Operating Temperature	-65 °C to +165 °C
Vibration	MIL-STD-202, Method 204, Test Condition D
Shock	MIL-STD-202, Method 213, Test Condition I
Insulation Resistance	2000 MΩ



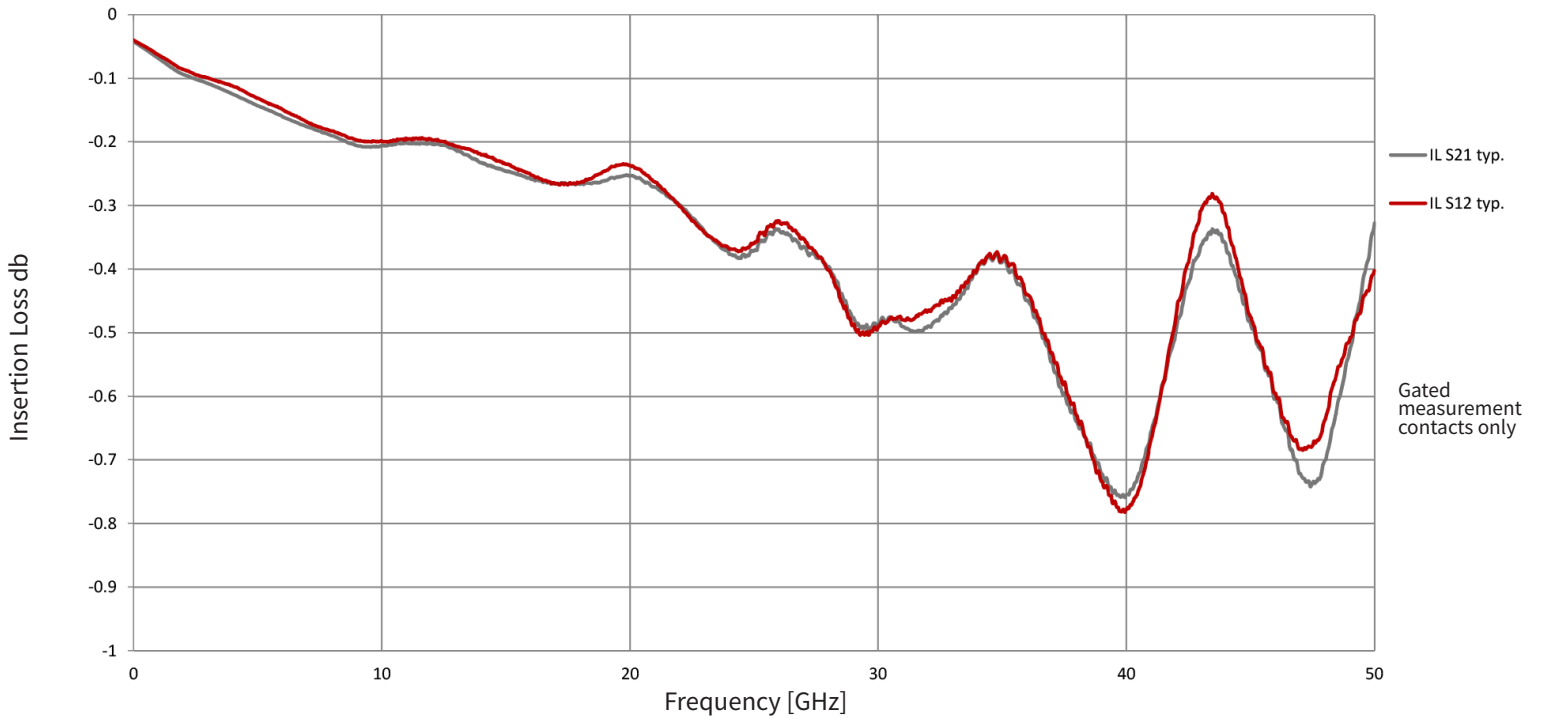
50 GHz - Receiver Contact



50 GHz - ITA Contact

Insertion Loss at 50 GHz

50 GHz Micro Coaxial Contact -insertion loss
610140108/610141108 mated pair
de-embedded



Voltage Standing Wave Ratio at 50 GHz

50 GHz Micro Coaxial Contacts
610140108/610141108 mated pair
de-embedded

