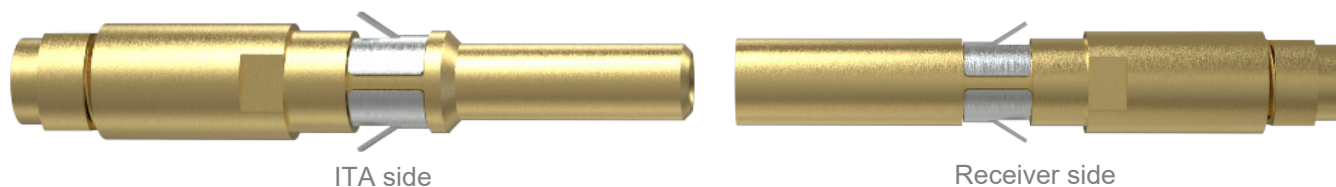


50GHz COAX CONTACTS



Blindmate RF/Microwave Contact for High Density Multiport RF Connectors

- Outstanding RF performance from DC to 50 GHz
- The best density for higher frequency requirements
- Can be used in micro coax modules for 90 Series and iSeries solutions
- Available in patchcords using Flex 405 high frequency wire.

Electrical Specifications

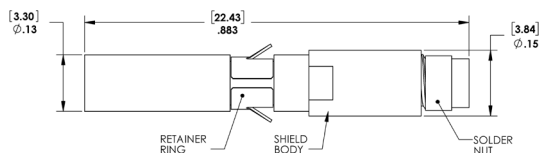
Characteristic	50 Ω
Frequency Range	DC to 50 GHz
Dielectric Withstanding Voltage	700 VRMS
Insertion Loss	$.095 \times \sqrt{f(\text{GHz})}$ dB
Contact Resistance	Center Contact - 6 m Ω Outer Contact - 4 m Ω
VSWR	1.35 Max

Mechanical Specifications

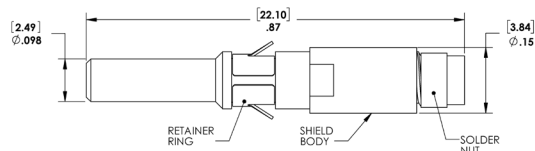
Contact Material	Copper Alloy
Contact Body Material	Shield - Brass Center Conductor - Copper Alloy
Contact Plating	50 μ " Au over Ni
Contact Termination	Solder - Clamp

Environmental Specifications

Operating Temperature	-65 $^{\circ}\text{C}$ to +165 $^{\circ}\text{C}$
Vibration	MIL-STD-202, Method 204, Test Condition D
Shock	MIL-STD-202, Method 213, Test Condition I
Insulation Resistance	2000 M Ω



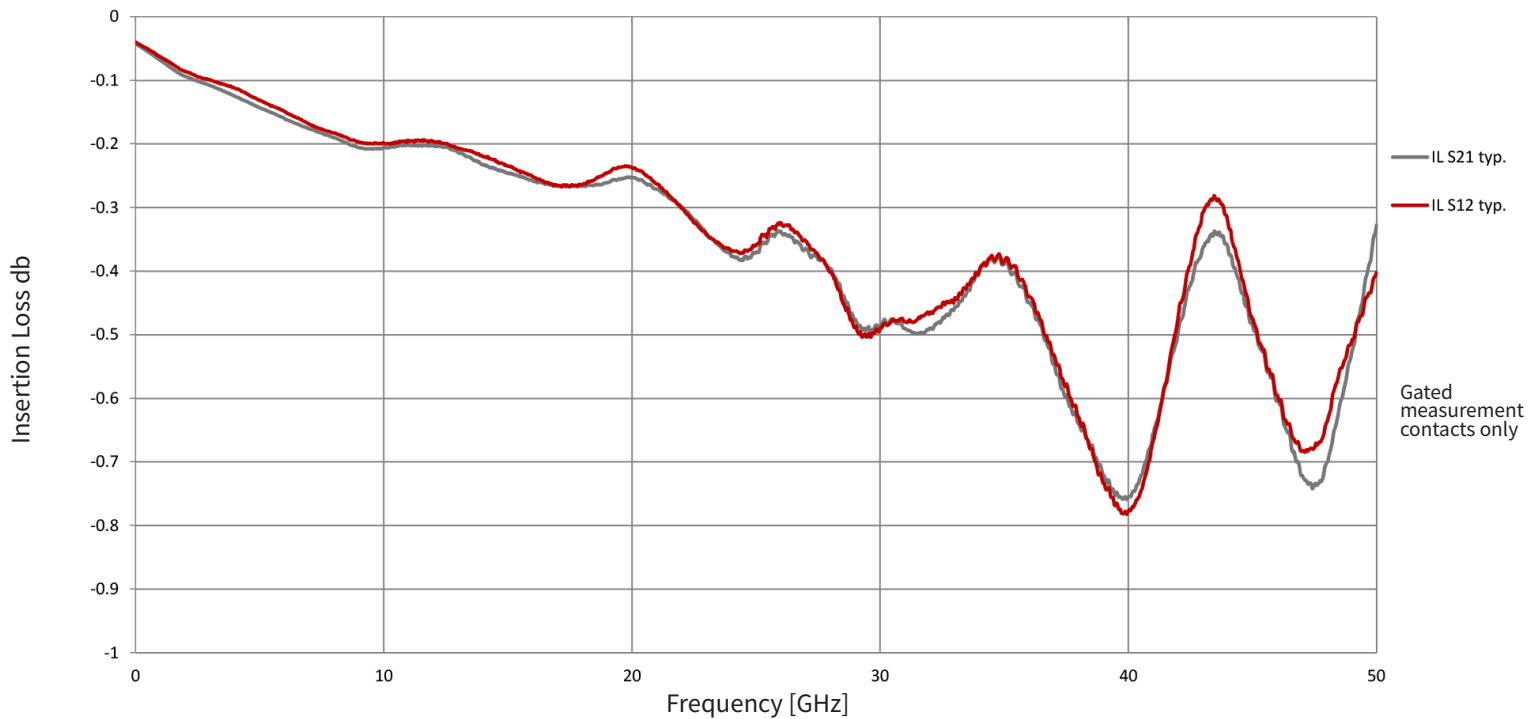
50 GHz - Receiver Contact



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

