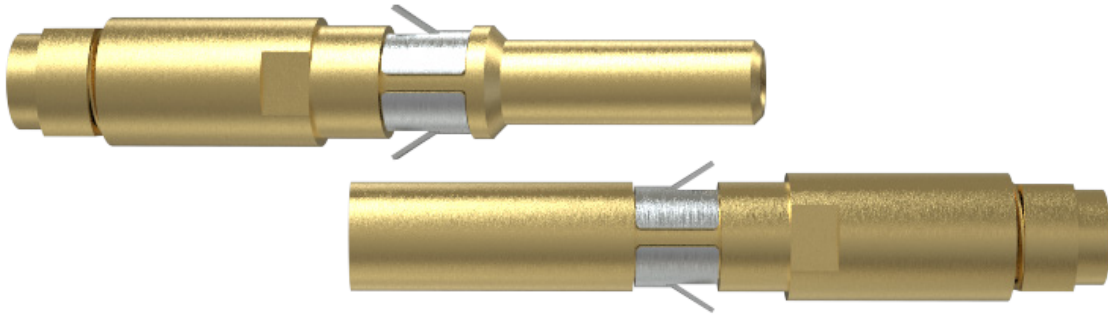


# 50GHz COAX CONTACTS

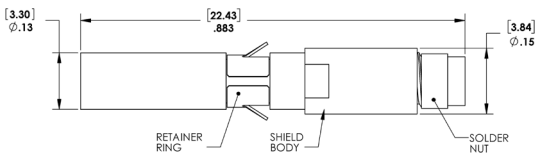


*Blindmate RF/Microwave Contact for High Density Multiport RF Connectors*

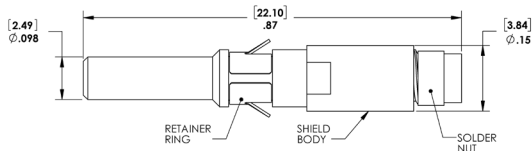
- Outstanding RF performance from DC to 50 GHz
- The best density for higher frequency requirements
- Can be used in micro coax modules for 90 Series and iSeries solutions
- Available in patchcords using Flex 405 high frequency wire.

## Electrical Specifications

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



50 GHz - Receiver Contact



50 GHz - ITA Contact

## Mechanical Specifications

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

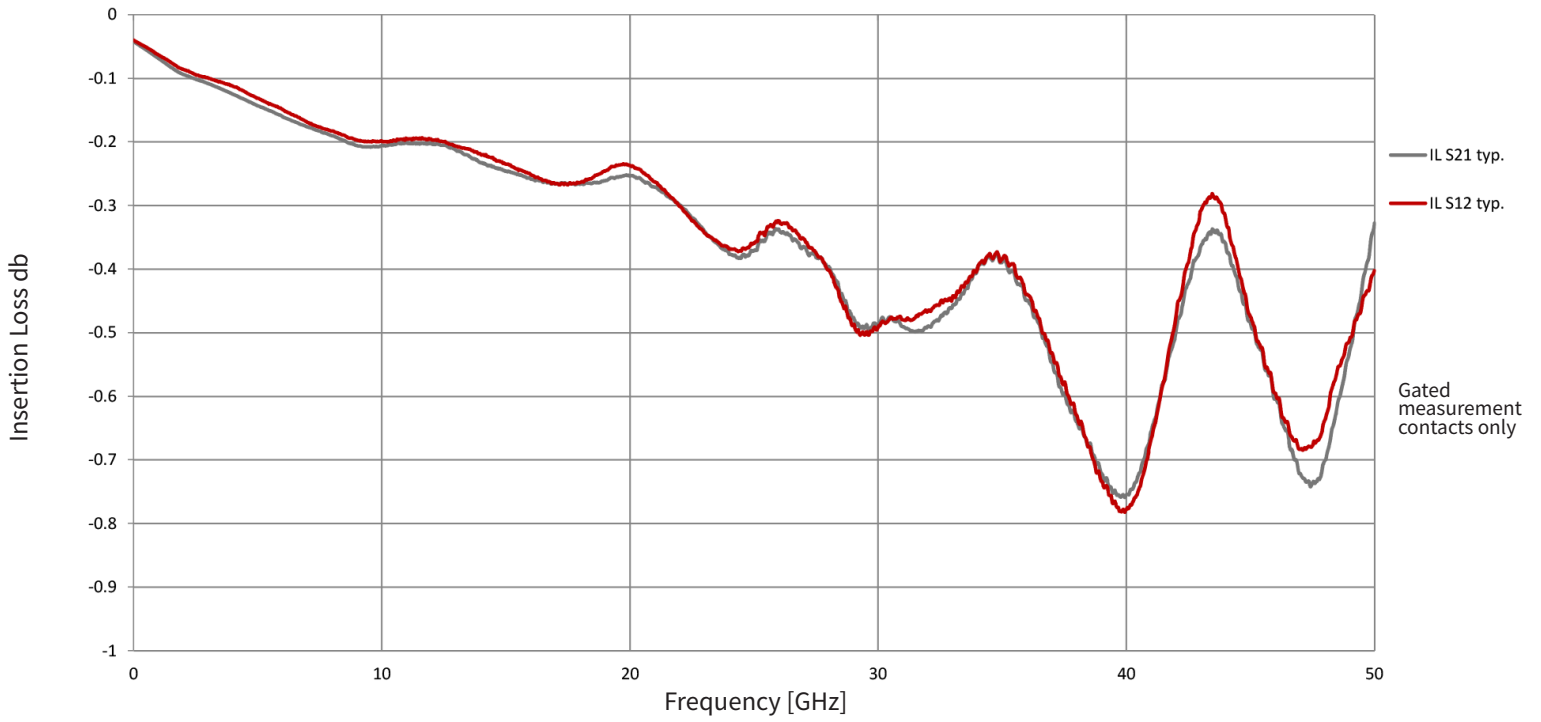
## Environmental Specifications

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



# 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

