

6 5 4 3 2 1

Electrical:

Impedance 75 Ohms
 Freq Range 0-12.0 GHz
 Working Voltage 170 Vrms
 Dielectric withstanding voltage >500 Vrms
 Reflection Factor (VSWR) 1.11 Max 0.0-6.0 GHz
 1.11 Max 6.0-12.0 GHz

Contact Resistance Center Contact 5.0 m Ohm
 Outer Contact 2.5 m Ohm
 Insulation Resistance > 1000 Meg Ohm

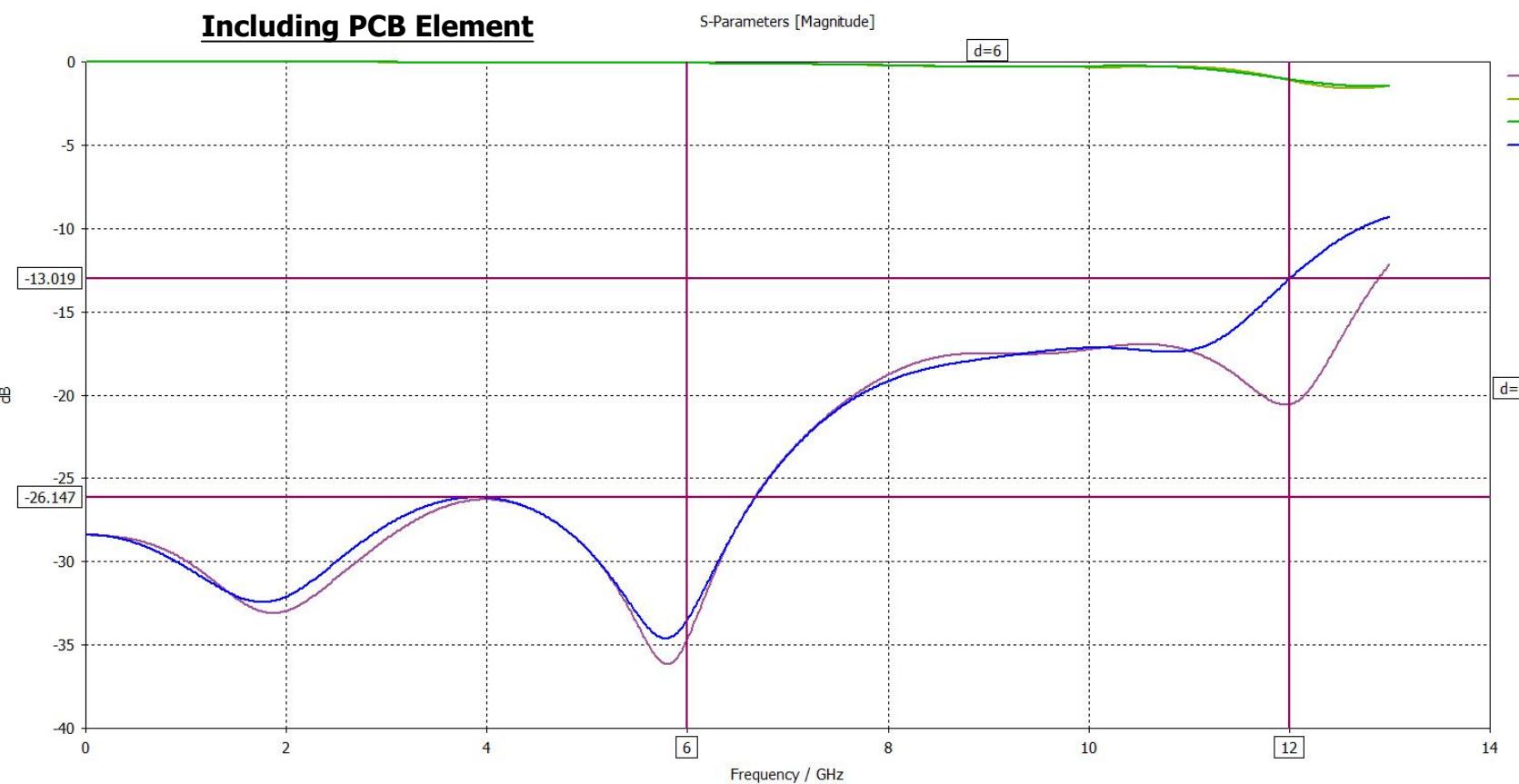
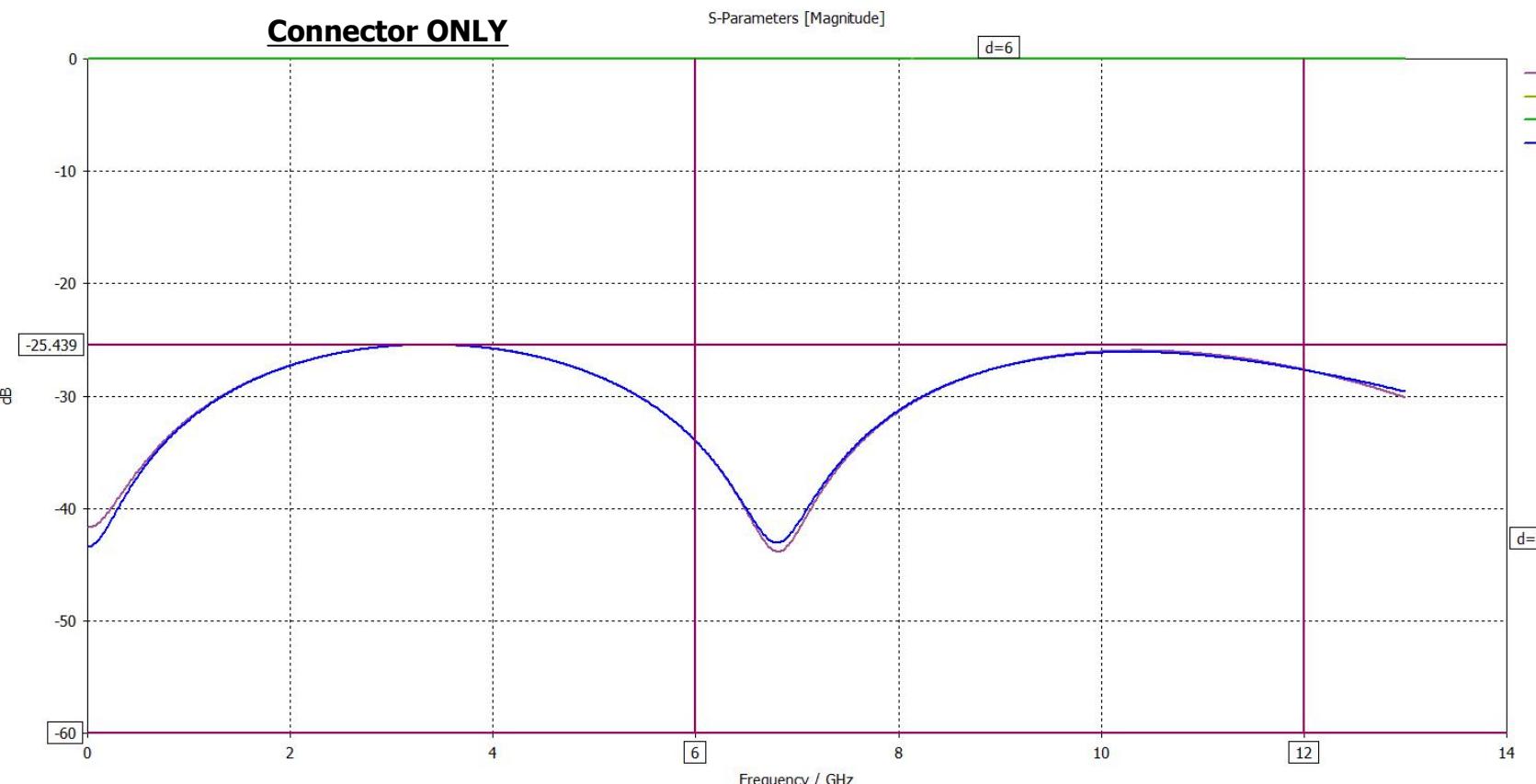
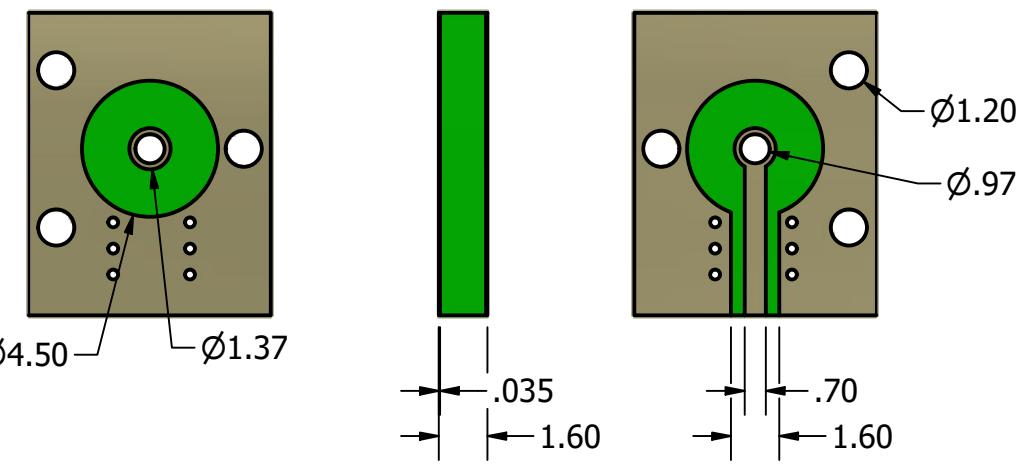
Materials:

Center Pin BeCu/10 μ Au
 Metal Parts Brass / Ni and Au
 Insulators PTFE

Environmental:

Temp Ranges: -65 to +85°C
 Mating Cycles: 500

Suggested PCB layout intended as starting point for design iteration



Design Right Protected	Material:	Finish:	Gen Tol ± 0.10 Angular $\pm 2^\circ$	DO NOT SCALE	
Third Angle Projection		Designed by Peter Millard	Checked by	Approved by	Date 20 May 2025
			This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.	Description: 12GHz Short Stacking female Micro BNC for 1.6mm PCBs	
Part No: XPS-12-RB18-NNIX Cust		Issue 1.5	Sheet 2 / 2		

RoHS
Compliant