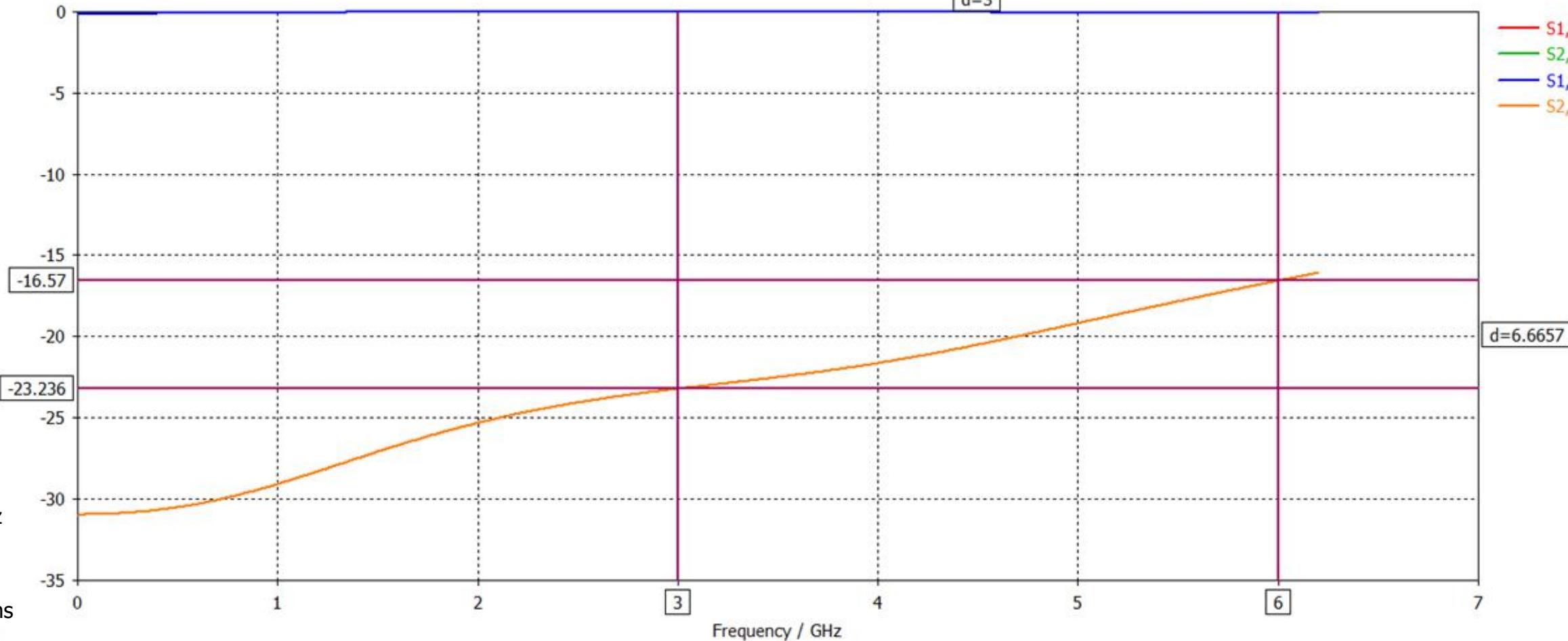


6 5 4 3 2 1

Connector ONLY

S-Parameter [Magnitude in dB]

$d=3$



Electrical:

Impedance 75 Ohms
Freq Range 0-6.0 GHz
Working Voltage 250 Vrms
Dielectric withstanding voltage >750 Vrms

Reflection Factor (VSWR) 1.15 Max 0.0-3.0 GHz
1.35 Max 3.1-6.0 GHz

Contact Resistance Center Contact 4.0 m Ohm
Outer Contact 2.5 m Ohm
Insulation Resistance > 1000 Meg Ohm

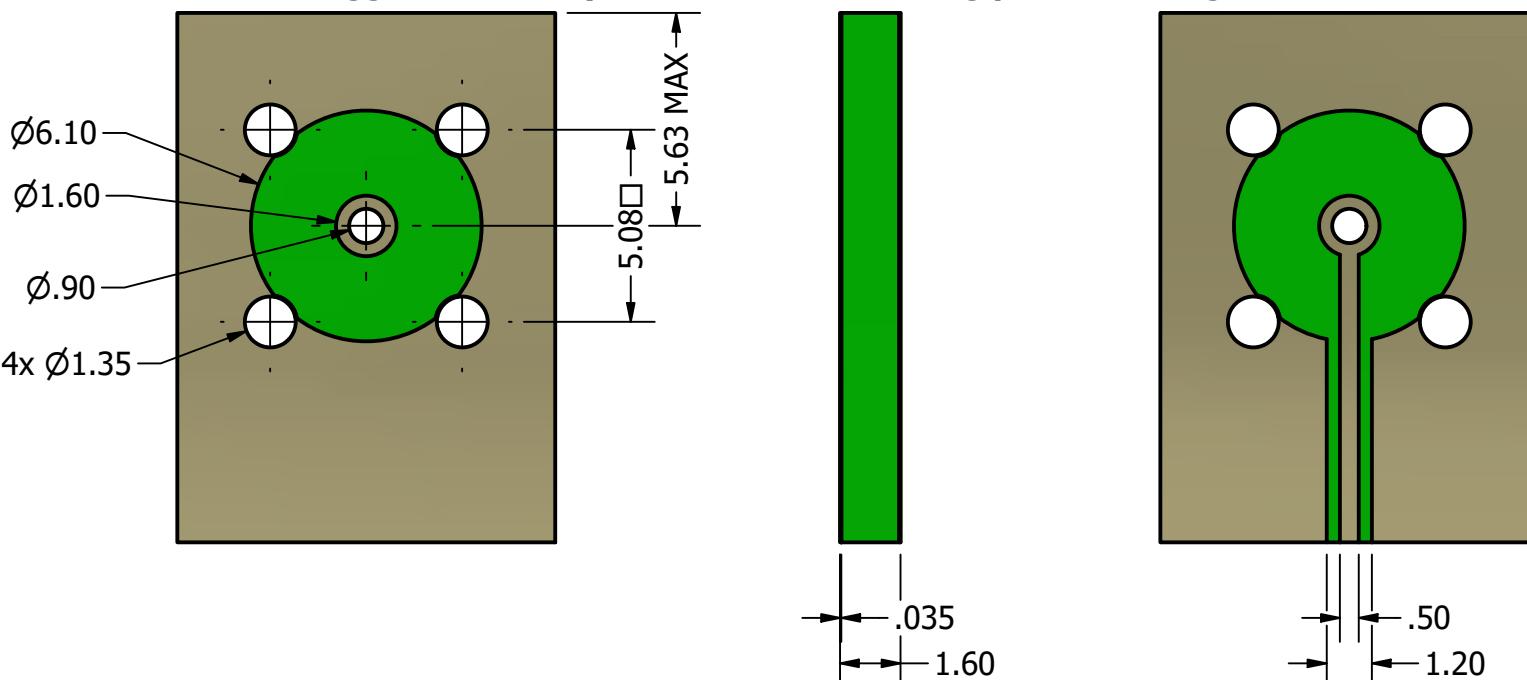
Materials:

Center Pin BeCu/10 μ Au
Metal Parts Brass / Au or Ni
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 ±2°	DO NOT SCALE	
				Unit of Measure: millimeters (mm)		
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 10 Dec 2014	A3
		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: 6GHz 75 ohm 1.0/2.3 Female Long Body R/A PCB Connector			
			Part No: XGS-06-RB20-NGJ Cust	Issue 3.2	Sheet 2 / 2	