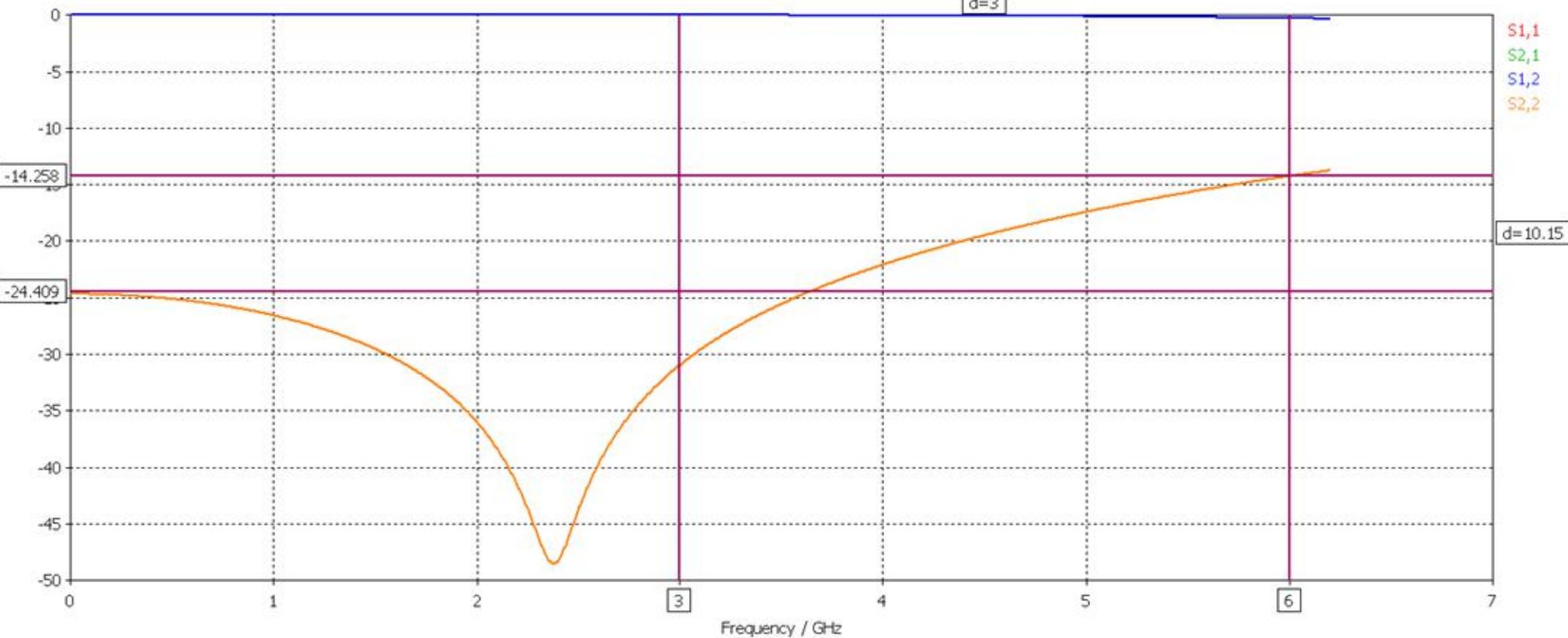


## Connector ONLY

S-Parameter [Magnitude in dB]

d=3

S1,1  
S2,1  
S1,2  
S2,2



### Electrical:

Impedance	75 Ohms
Freq Range	0-6.0 GHz
Working Voltage	250 Vrms
Dielectric withstanding voltage	>750 Vrms
Reflection Factor (VSWR)	1.12 Max 0.0-3.0 GHz 1.48 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

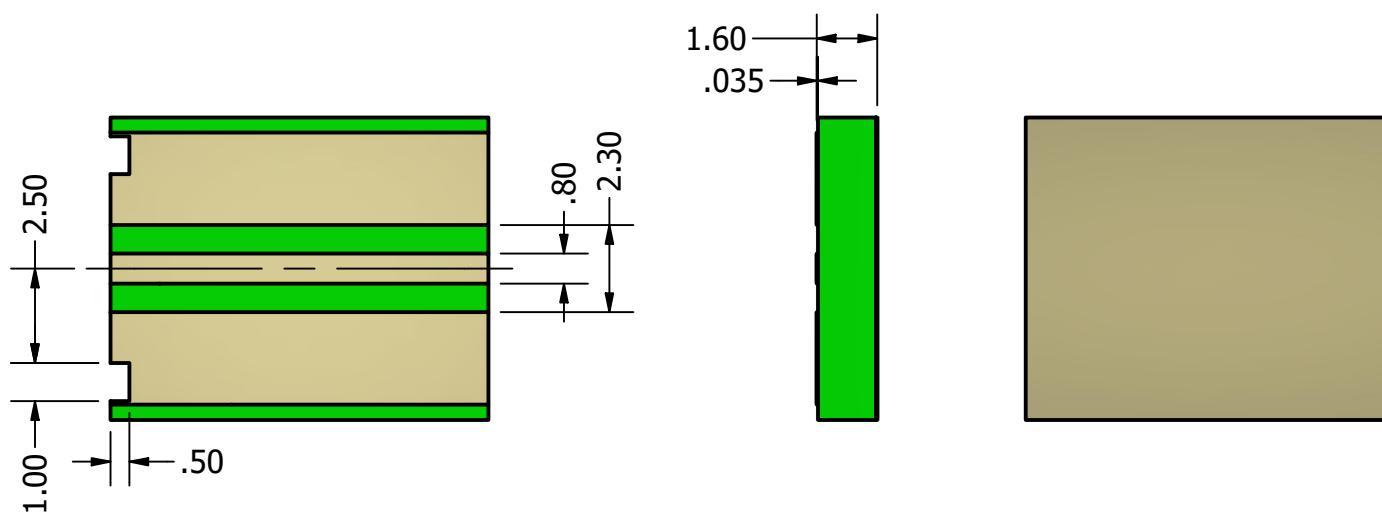
### Materials:

Center Pin	BeCu/10 $\mu$ Au
Metal Parts	Brass / Au
Insulators	PTFE

### Environmental:

Temp Ranges:	-65 to +85°C
Mating Cycles:	500
	MIL-STD-202 Method 204 test condition B
	MIL-STD-202 Method 101 test condition B

### Suggested PCB layout intended as starting point for design iteration



Design Right Protected	Material:	Finish:	Gen Tol $\pm 0.10$	DO NOT SCALE	
				Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by <b>P. Fayers</b>	Checked by	Approved by	©2024	Date 23 Jan 2014
<b>RoHS Compliant</b>	 CAMBRIDGE ELECTRONIC INDUSTRIES	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 Bulkhead Long Body Edge Mount Connector for 1.8mm PCB	Part No: <b>XGS-06-EB16-NNL Cust</b>	Issue 3.0
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