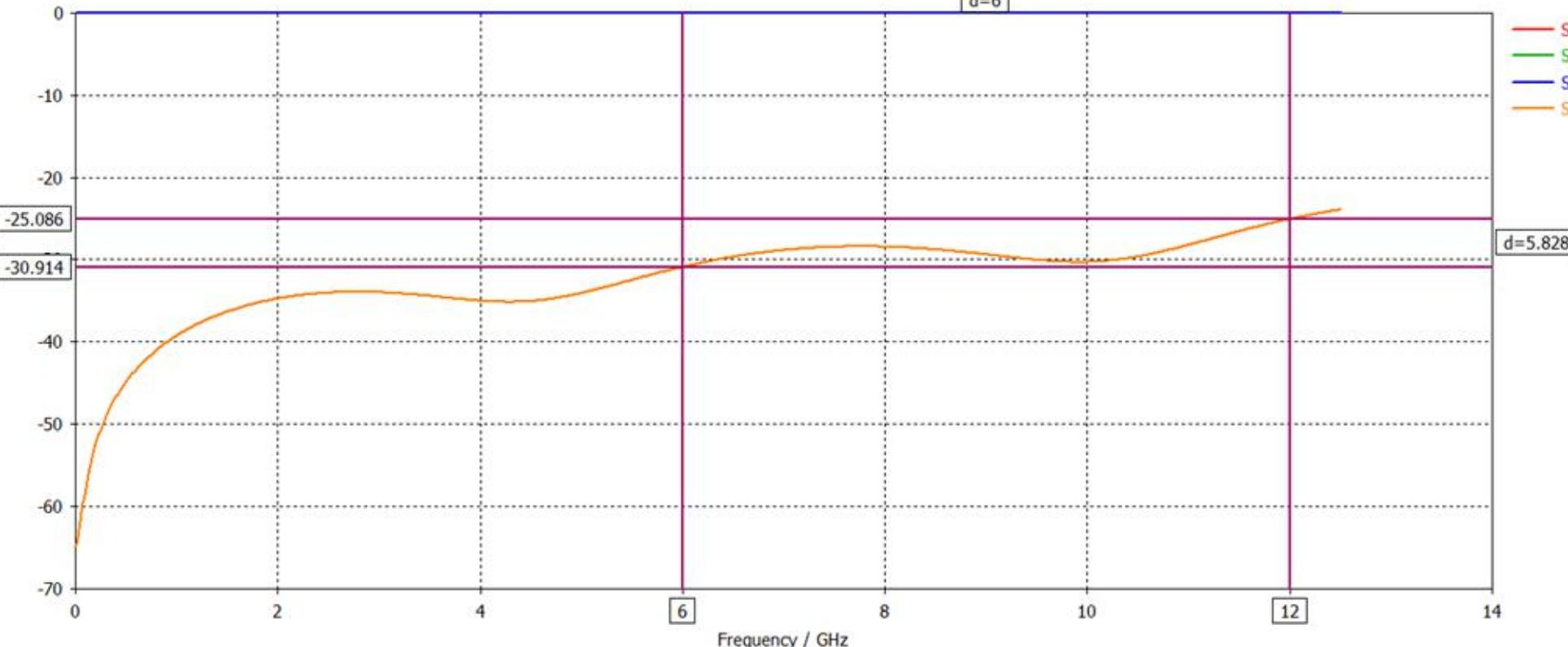


6 5 4 3 2 1

Connector ONLY

S-Parameter [Magnitude in dB]

d=6



D

D

C

C

A

A

Electrical:	
Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	500 Vrms
Dielectric withstand voltage	1500 Vrms
Reflection Factor (VSWR)	1.12 MAX 0-12.0 GHz

Contact Resistance Center Contact 1.5 m Ohm

Outer Contact 1.0 m Ohm

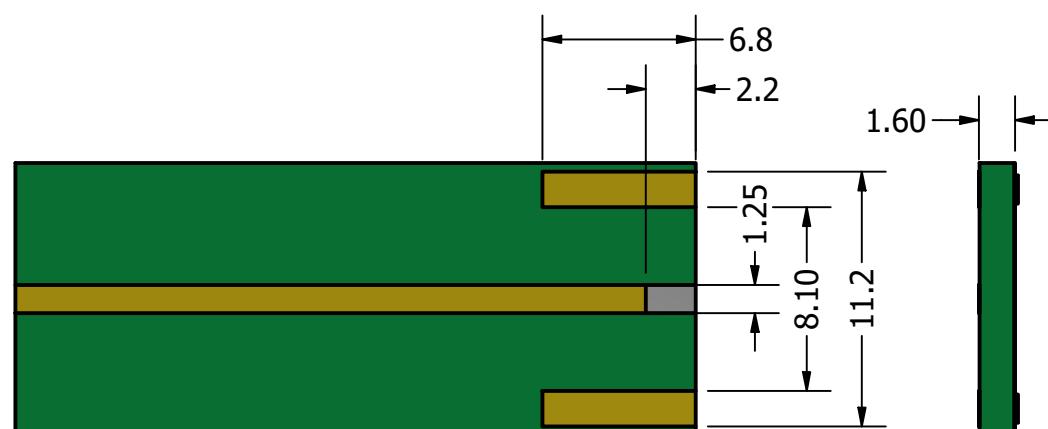
Insulation Resistance >5000 Meg Ohm

Materials:

Center Pin Phos Bronze / 10 μ " Au

Metal Parts Brass / Au or Ni Plate

Insulators PTFE



Approx 75 Ohm
PCB Layout

Suggested PCB layout intended as starting point for design iteration

Environmental:

Temp Ranges -65 to +85°C

Mating Cycles 200

Design Right Protected		Material:	Finish:	Gen Tol	DO NOT SCALE	
				± 0.10	Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 18 Dec 2013	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: 12GHz 75 ohm BNC Female Bulkhead Edge Mount Connector for 1.6mm PCB	Part No: XBS-12-EB16-NNS Cust	Issue 3.1	Sheet 2 / 2