

Recommended Panel Cut Out

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER

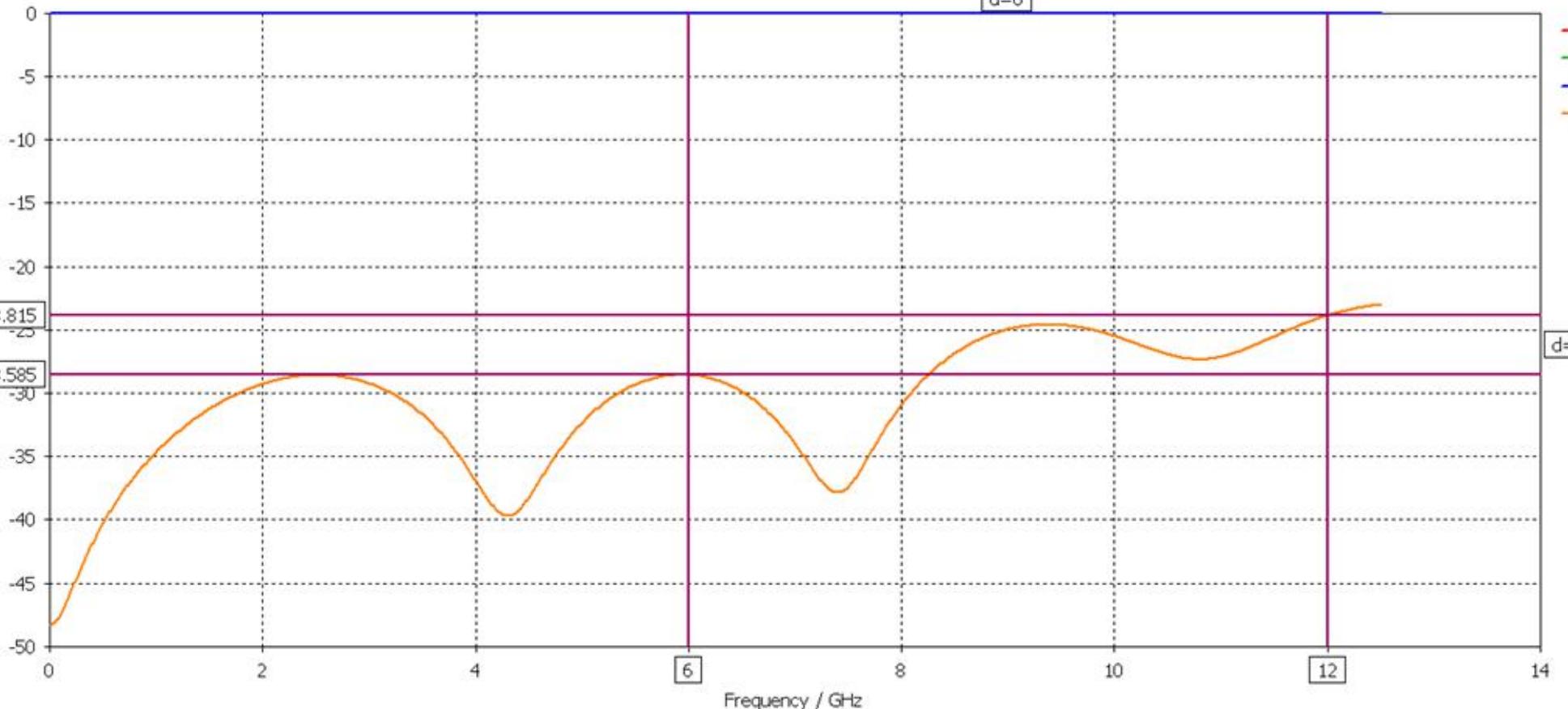
Design Right Protected	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE		
				Unit of Measure: millimeters (mm)		
Third Angle Projection 	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 15 May 2018	A3
RoHS Compliant	 CAMBRIDGE ELECTRONIC INDUSTRIES	This document and all the data contained 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: 12GHz 75 ohm Micro BNC Female Bulkhead Slim Body R/A PCB Connector	Part No: XPS-12-RB20-GNA Cust	Issue 3.0	Sheet 1 / 2

6 5 4 3 2 1

Connector ONLY

S-Parameter [Magnitude in dB]

d=6

**Electrical:**

Impedance 75 Ohms
 Freq Range 0-12.0 GHz
 Working Voltage 170 Vrms
 Dielectric withstand voltage >500 Vrms
 Reflection Factor (VSWR) 1.08 Max 0.0-6.0 GHz
 1.14 Max 6.0-12.0 GHz

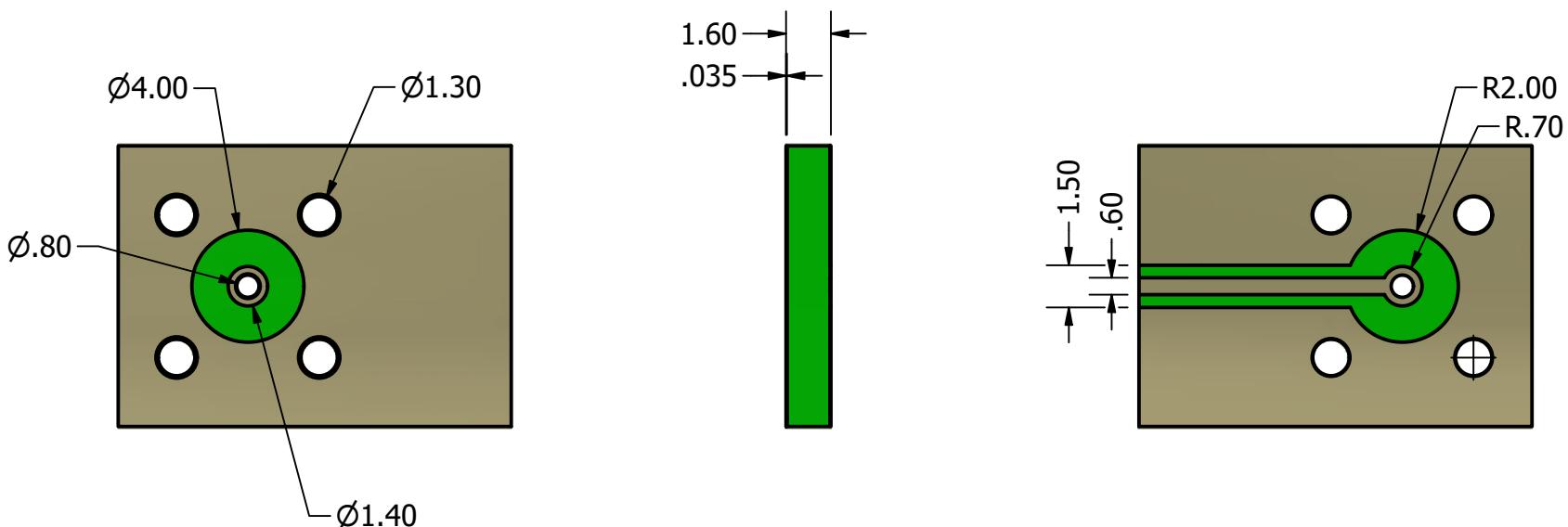
Contact Resistance Center Contact 5.0 m Ohm
 Outer Contact 2.5 m Ohm
 Insulation Resistance > 1000 Meg Ohm

Materials:

Center Pin BeCu/10 μ " Au
 Metal Parts Brass / 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

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