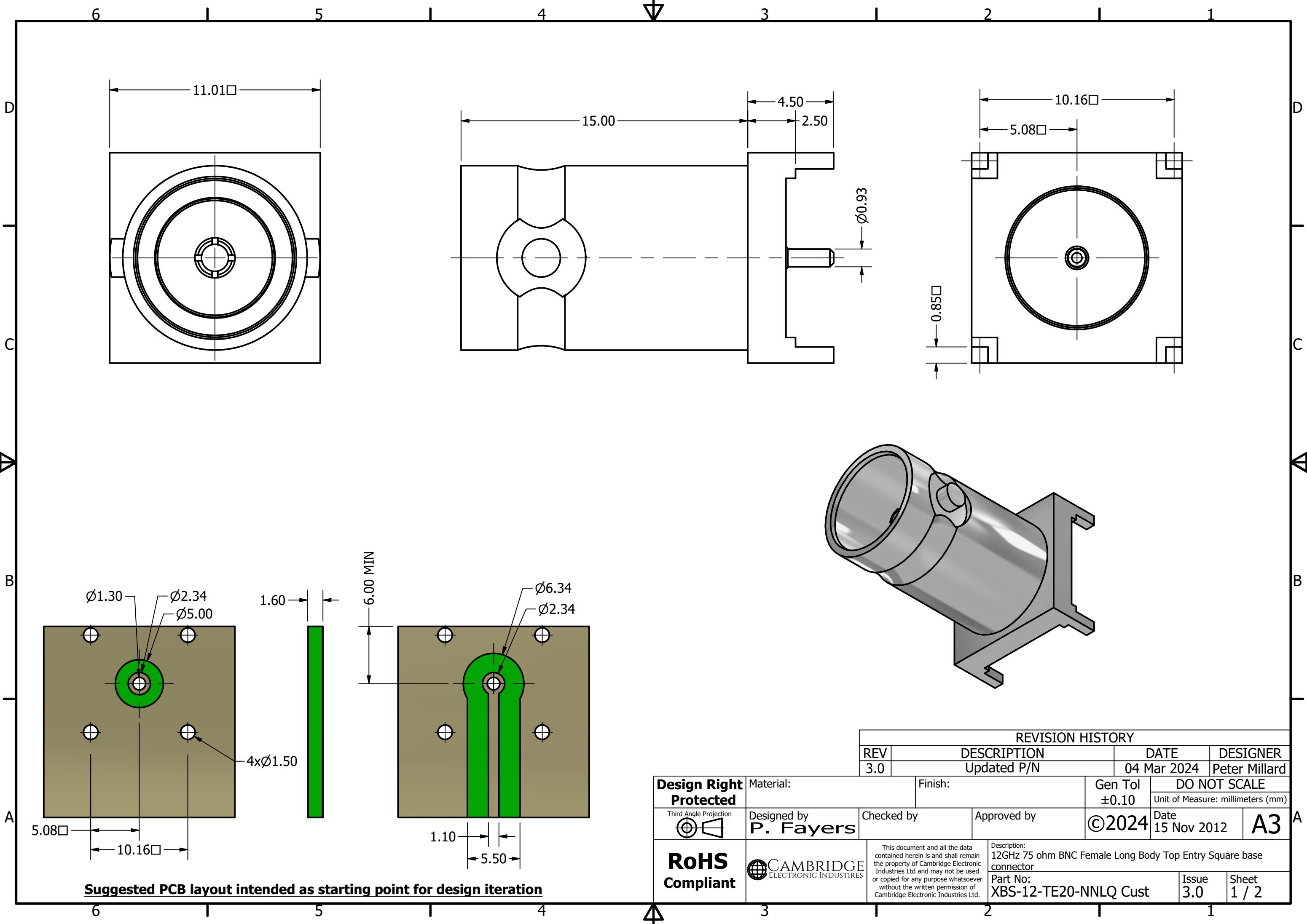




Suggested PCB layout intended as starting point for design iteration

REVISION HISTORY							
REV		DESCRIPTION			DATE	DESIGNER	
3.0		Updated P/N			04 Mar 2024	Peter Millard	
Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
						Unit of Measure: millimeters (mm)	
	Third Angle Projection 		Designed by P. Fayers	Checked by	Approved by	©2024	Date 15 Nov 2012
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 BNC Female Long Body Top Entry Square base connector		
					Part No: XBS-12-TE20-NNLQ Cust		Issue 3.0

Electrical:

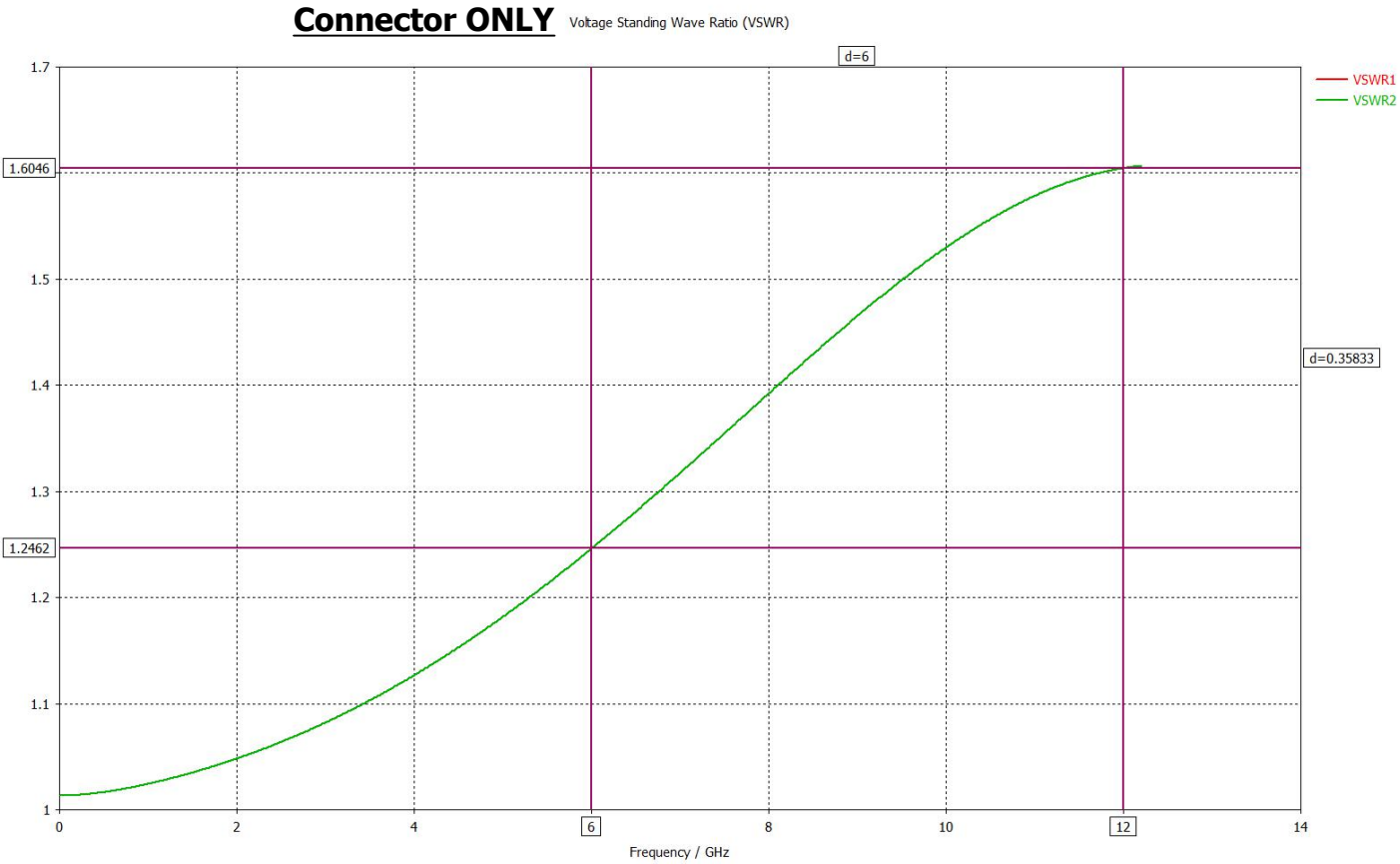
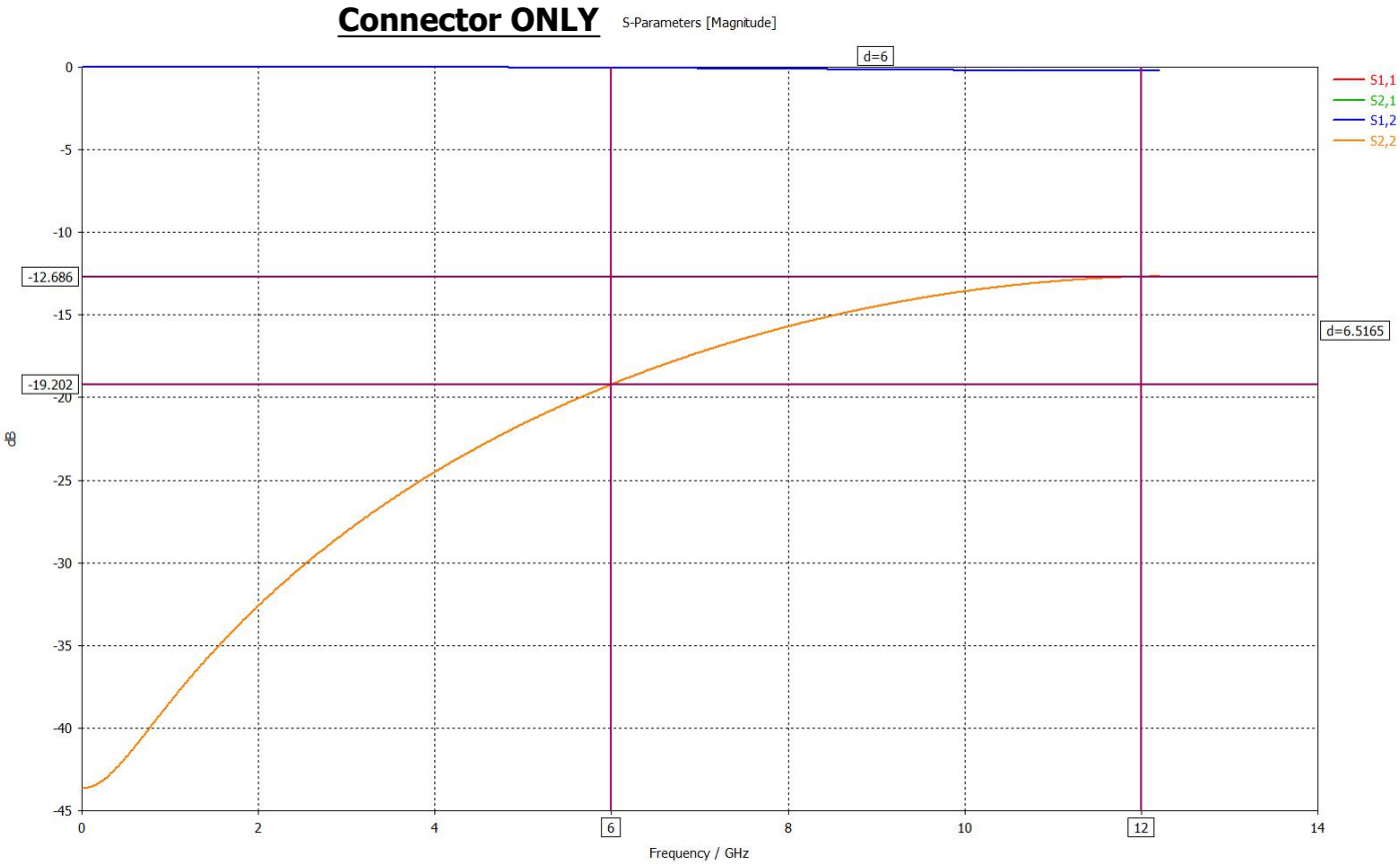
Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	500 Vrms
Dielectric withstanding voltage	1500 Vrms
Reflection Factor (VSWR)	1.24 MAX 0.0-6.0 GHz
	1.60 MAX 6.1-12.0 GHz
Contact Resistance	Center Contact 1.5 m Ohm
	Outer Contact 1.0 m Ohm
Insulation Resistance	>5000 Meg Ohm

Materials:

Center Pin	Brass / 10µm Au
Metal Parts	Brass / Ni Plate
Insulators	PTFE

Enviromental:

Temp Ranges	-65 to +85°C
Mating Cycles	250



Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
						Unit of Measure: millimeters (mm)	
Third Angle Projection 	Designed by P. Fayers	Checked by		Approved by	©2024	Date 15 Nov 2012	A3
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					Part No: XBS-12-TE20-NNLQ Cust		Issue 3.0