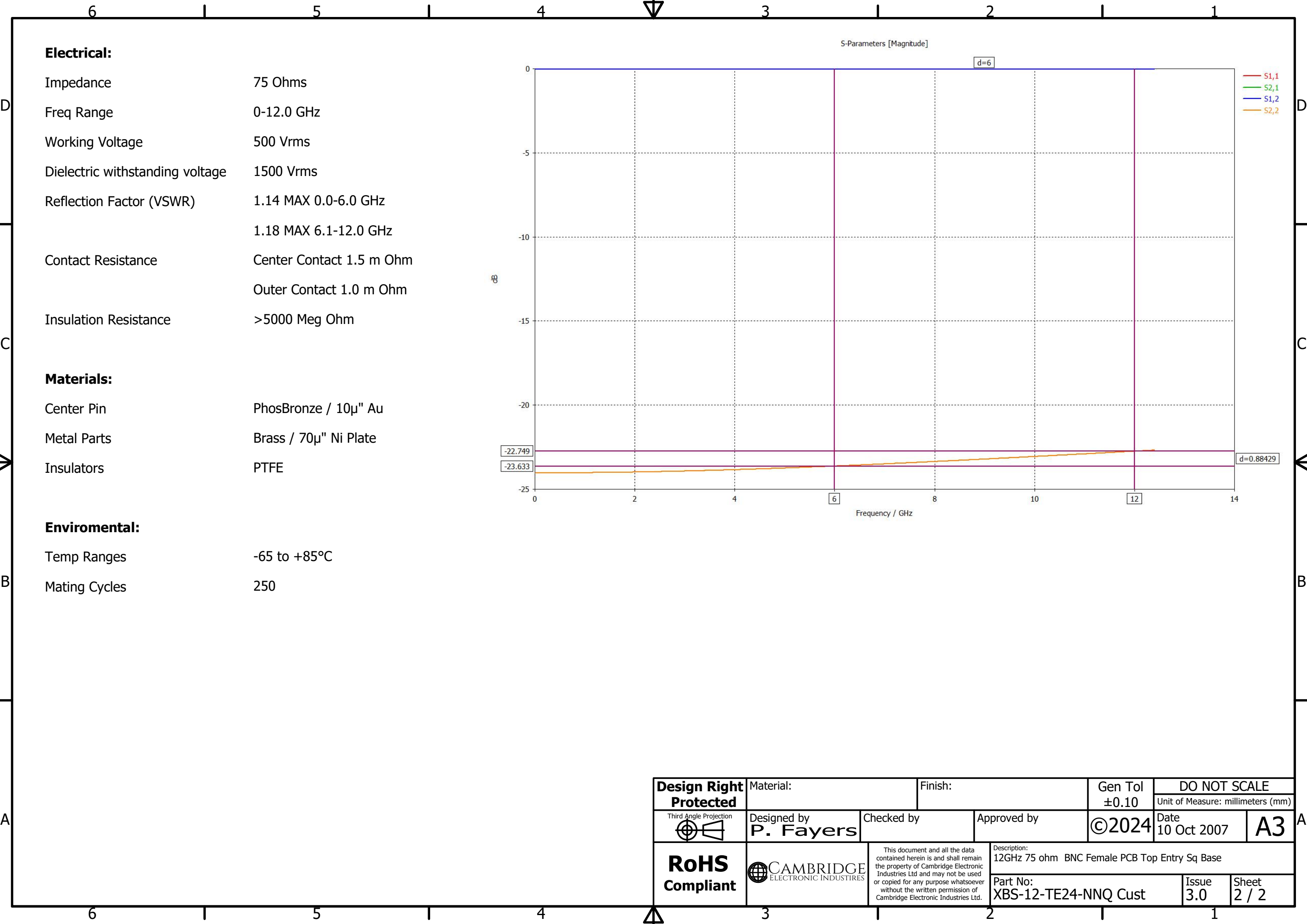


Suggested PCB layout intended as starting point for design iteration

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	TODAY'S DATE	DESIGNER
3.0	Updated P/N	FB / INT	26 Jun 2024	Peter Millard

Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
	Designed by P. Fayers		Checked by		Approved by	©2024	Date 10 Oct 2007
RoHS Compliant	Description: 12GHz 75 ohm BNC Female PCB Top Entry Sq Base		Part No: XBS-12-TE24-NNQ Cust		Issue 3.0		Sheet 1 / 2
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Electrical:



Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	500 Vrms
Dielectric withstanding voltage	1500 Vrms
Reflection Factor (VSWR)	1.14 MAX 0.0-6.0 GHz
	1.18 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	PhosBronze / 10μ" Au
Metal Parts	Brass / 70μ" 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 10 Oct 2007	A3
RoHS Compliant		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 PCB Top Entry Sq Base		
					Part No: XBS-12-TE24-NNQ Cust		Issue 3.0 Sheet 2 / 2