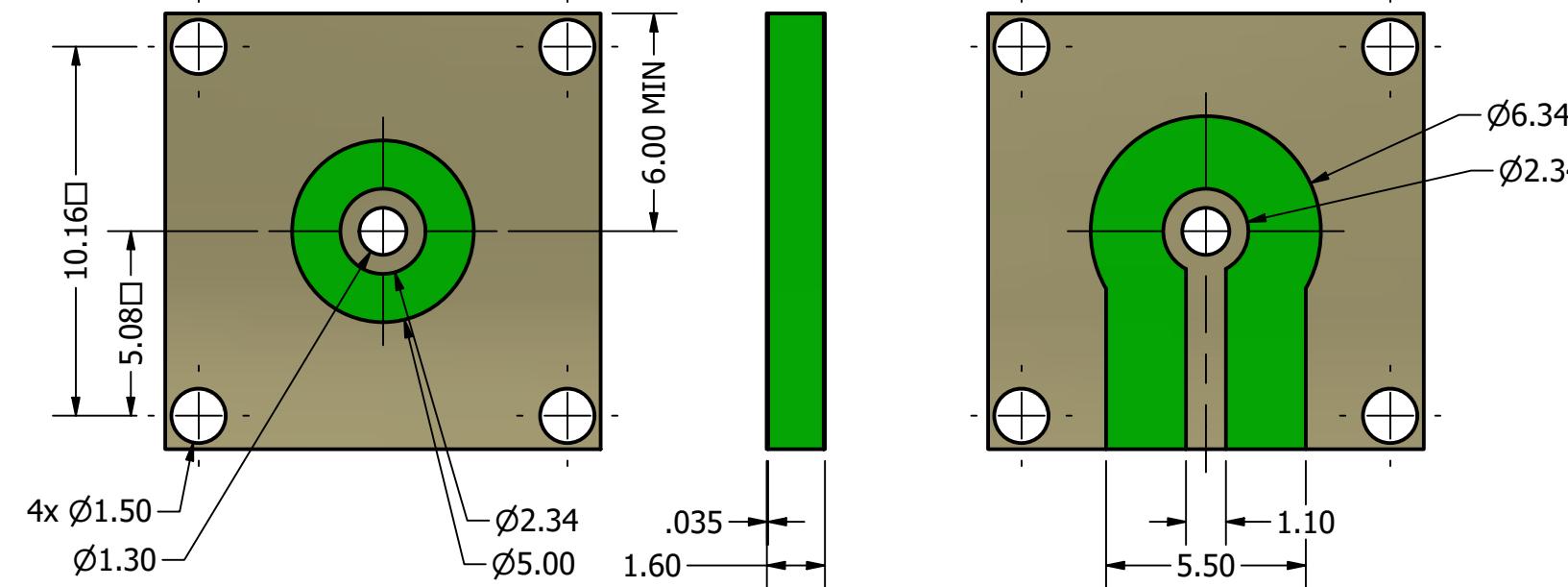
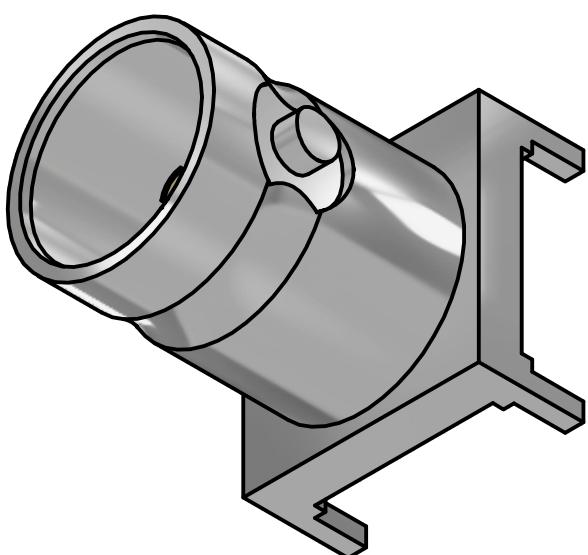


Suggested PCB layout intended as starting point for design iteration



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	DO NOT SCALE	
			±0.10	Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by P. Fayers	Checked by	Approved by	©2024	Date 10 Oct 2007
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 PCB Top Entry Sq Base	
		Part No: XBS-12-TE24-NNQ Cust		Issue 3.0	Sheet 1 / 2

6 5 4 3 2 1

Electrical:

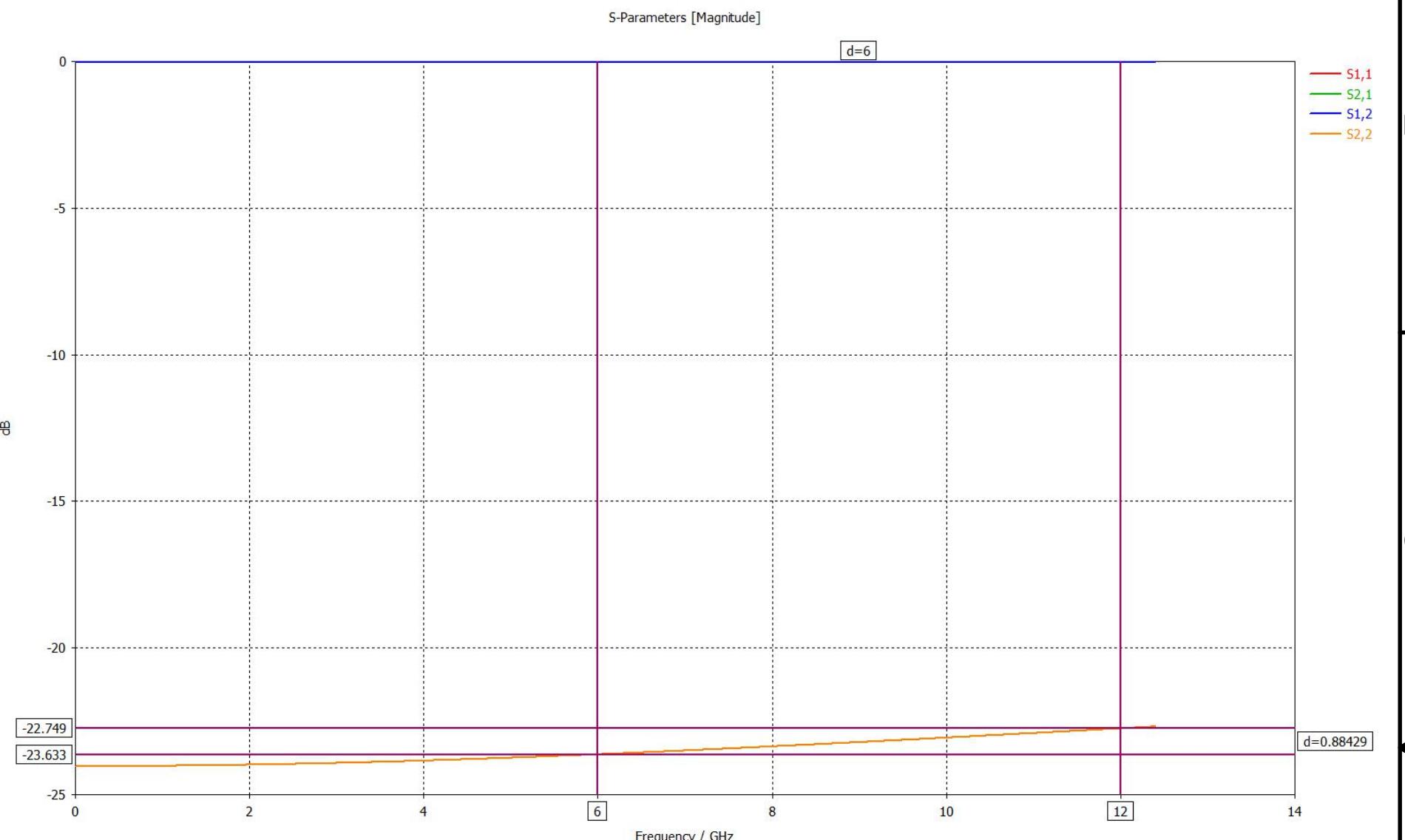
Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	500 Vrms
Dielectric withstanding voltage	1500 Vrms
Reflection Factor (VSWR)	1.14 MAX 0.0-6.0 GHz
	1.18 MAX 6.1-12.0 GHz
Contact Resistance	Center Contact 1.5 m Ohm
	Outer Contact 1.0 m Ohm
Insulation Resistance	>5000 Meg Ohm

Materials:

Center Pin	PhosBronze / 10 μ " Au
Metal Parts	Brass / 70 μ " Ni Plate
Insulators	PTFE

Environmental:

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
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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	