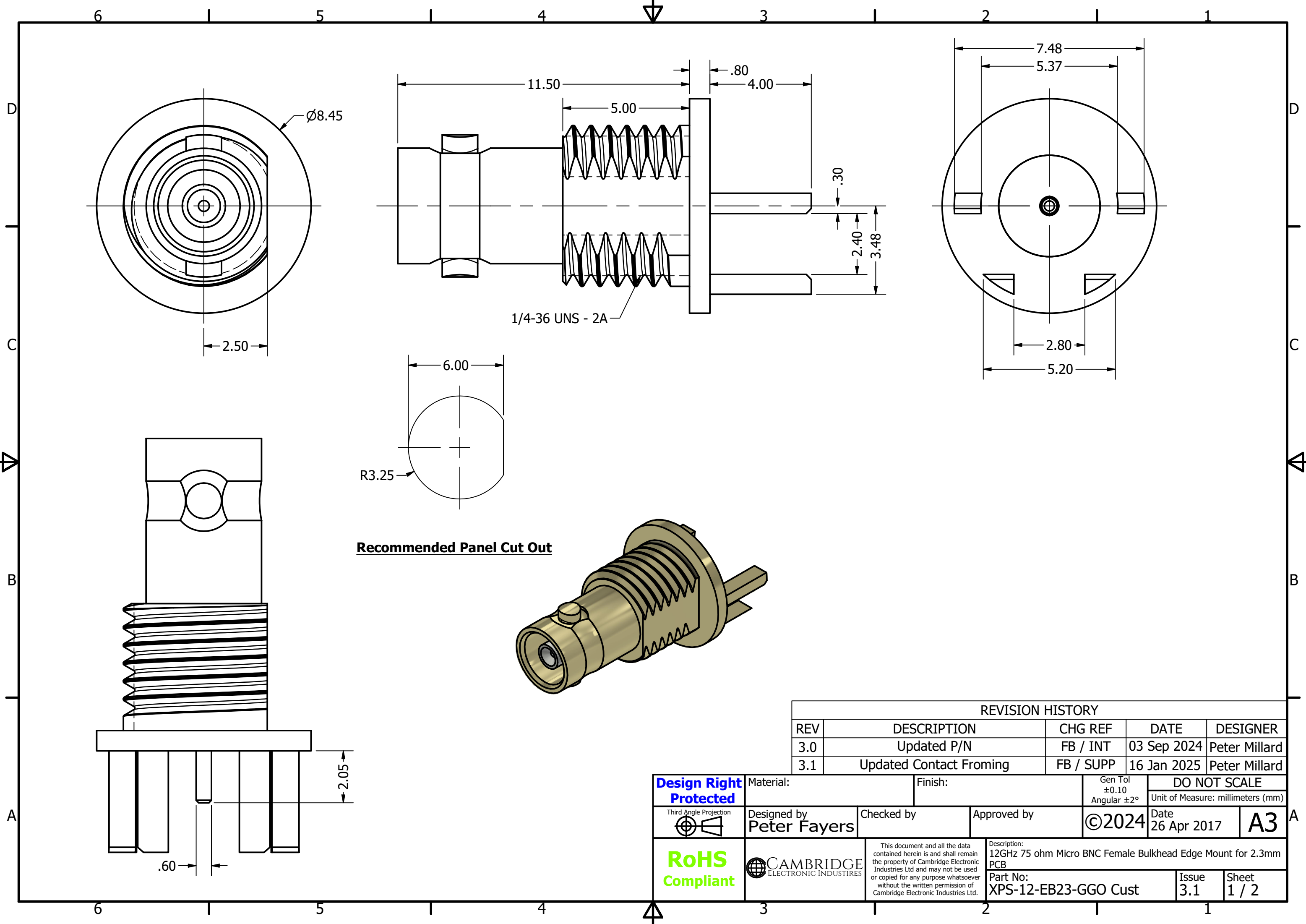




REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	03 Sep 2024	Peter Millard
3.1	Updated Contact Froming	FB / SUPP	16 Jan 2025	Peter Millard

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 26 Apr 2017	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 Edge Mount for 2.3mm PCB				
					Part No: XPS-12-EB23-GGO Cust		Issue 3.1	Sheet 1 / 2	

Electrical:

Impedance	75 Ohms
Freq Range	0-25.0 GHz
Working Voltage	170 Vrms
Dielectric withstanding voltage	>500 Vrms
Reflection Factor (VSWR)	1.07 Max 0.0-12.0 GHz
Contact Resistance	Center Contact 5.0 m Ohm Outer Contact 2.5 m Ohm
Insulation Resistance	> 1000 Meg Ohm

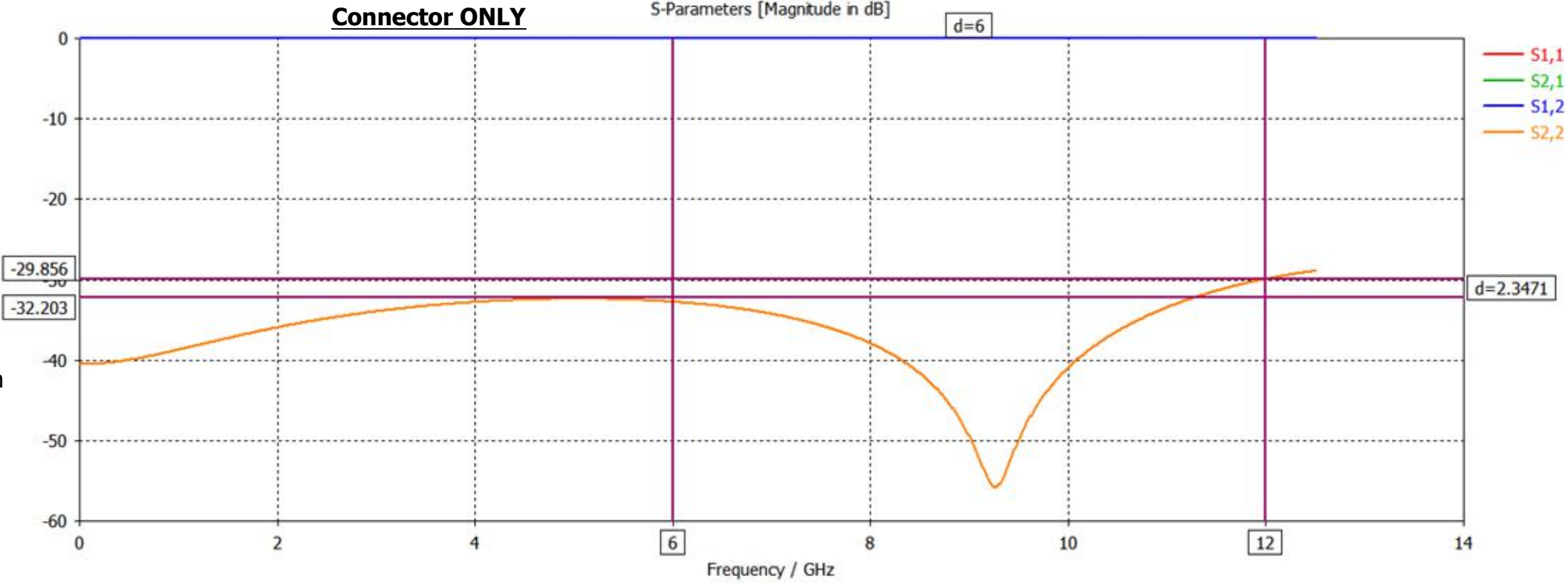
Materials:

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

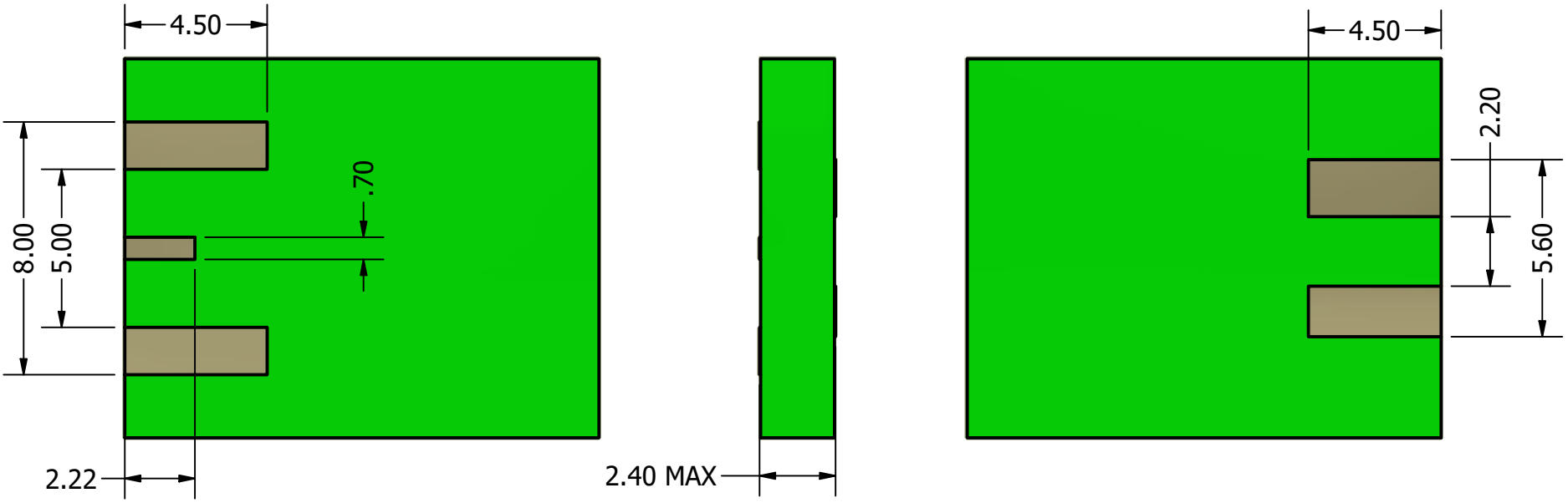
Enviromental:

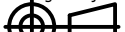
Temp Ranges:	-65 to +85°C
Mating Cycles:	500

Connector ONLY



Suggested PCB layout intended as starting point for design iteration



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 26 Apr 2017	A3
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					Part No: XPS-12-EB23-GGO Cust				Issue 3.1