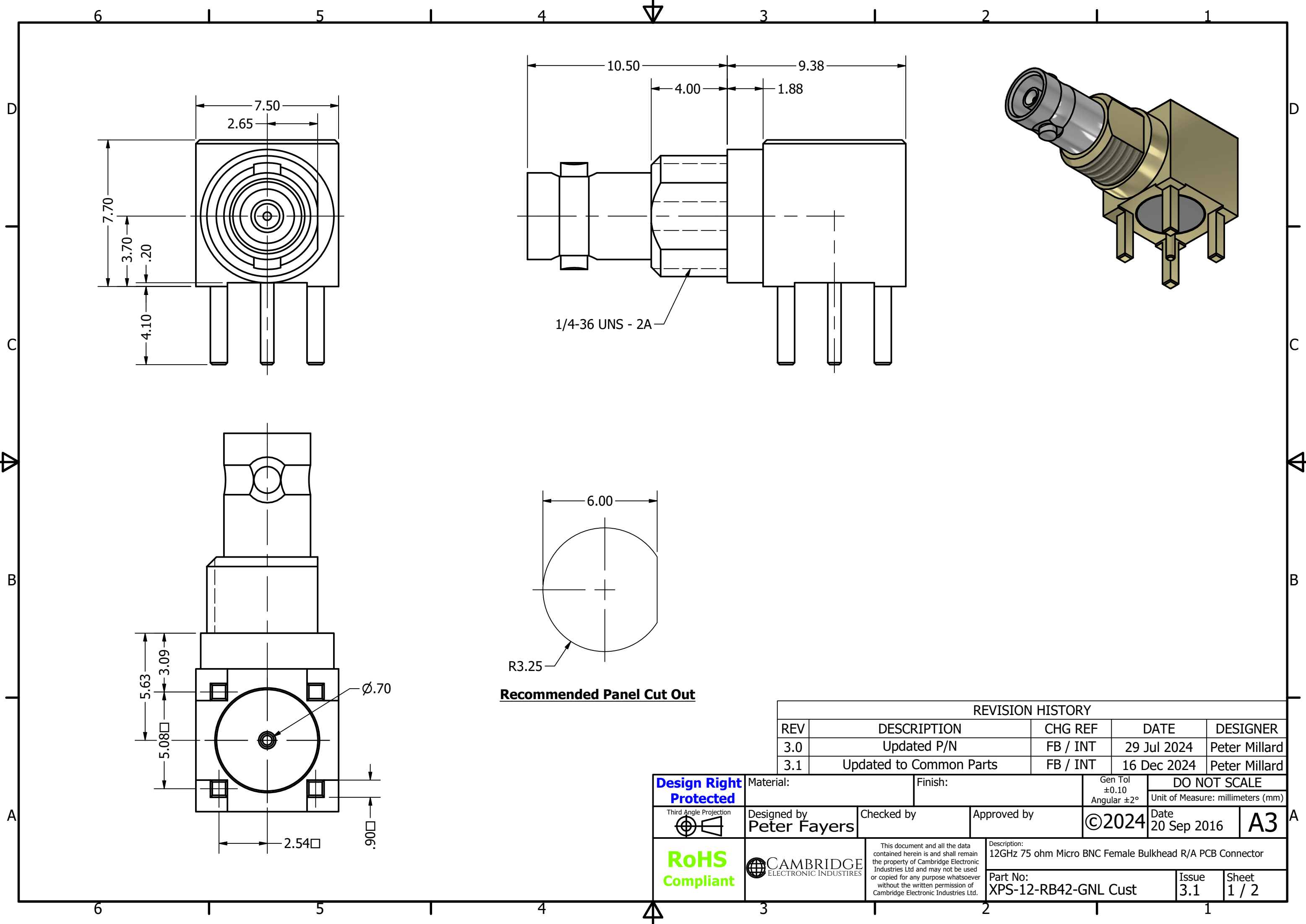
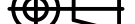




Recommended Panel Cut Out

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	29 Jul 2024	Peter Millard
3.1	Updated to Common Parts	FB / INT	16 Dec 2024	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 20 Sep 2016	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 Micro BNC Female Bulkhead R/A PCB Connector			
					Part No: XPS-12-RB42-GNL Cust		Issue 3.1	Sheet 1 / 2

Electrical:

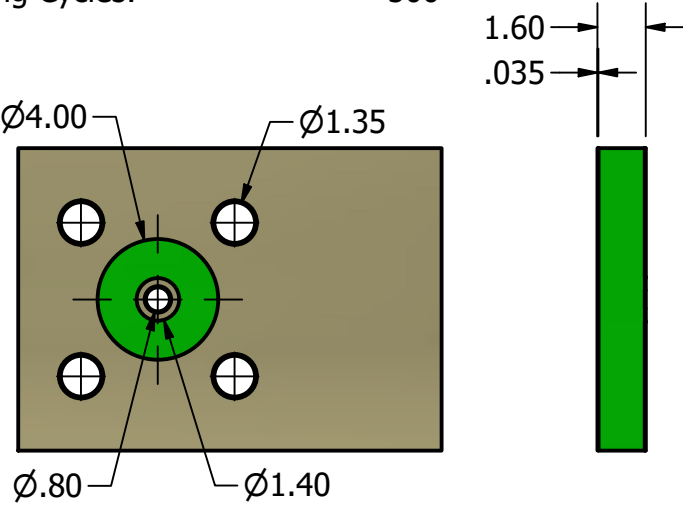
Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	170 Vrms
Dielectric withstanding voltage	>500 Vrms
Reflection Factor (VSWR)	0.00 Max 0.0-6.0 GHz 0.00 Max 6.0-12.0 GHz
Contact Resistance	Center Contact 5.0 m Ohm Outer Contact 2.5 m Ohm
Insulation Resistance	> 1000 Meg Ohm

Materials:

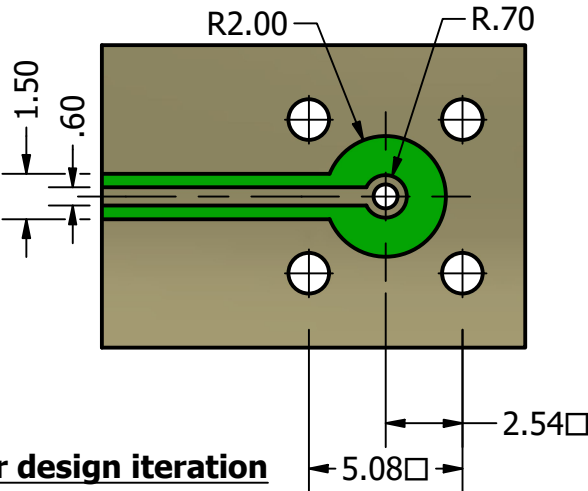
Center Pin	BeCu/10μ Au
Metal Parts	Brass / Au or Ni
Insulators	PTFE

Enviromental:

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

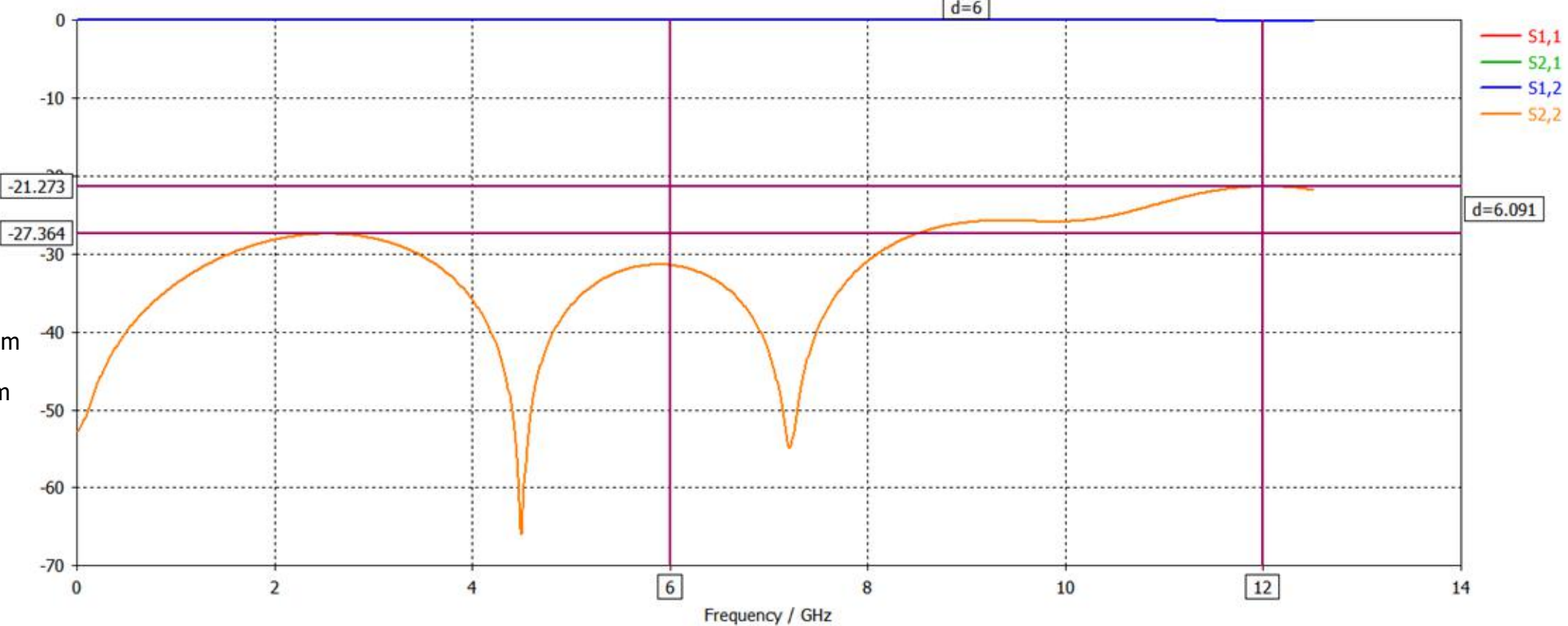


Suggested PCB layout intended as starting point for design iteration



Connector ONLY

S-Parameters [Magnitude in dB]



Design Right
Protected

Third Angle Projection

RoHS
Compliant

Material:

Designed by
Peter Fayers

CAMBRIDGE
ELECTRONIC INDUSTRIES

Finish:

Checked by

Approved by

Gen Tol
±0.10
Angular ±2°

DO NOT SCALE

Unit of Measure: millimeters (mm)

©2024

Date
20 Sep 2016

A3

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Description:
12GHz 75 ohm Micro BNC Female Bulkhead R/A PCB Connector

Part No:
XPS-12-RB42-GNL Cust

Issue
3.1

Sheet
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