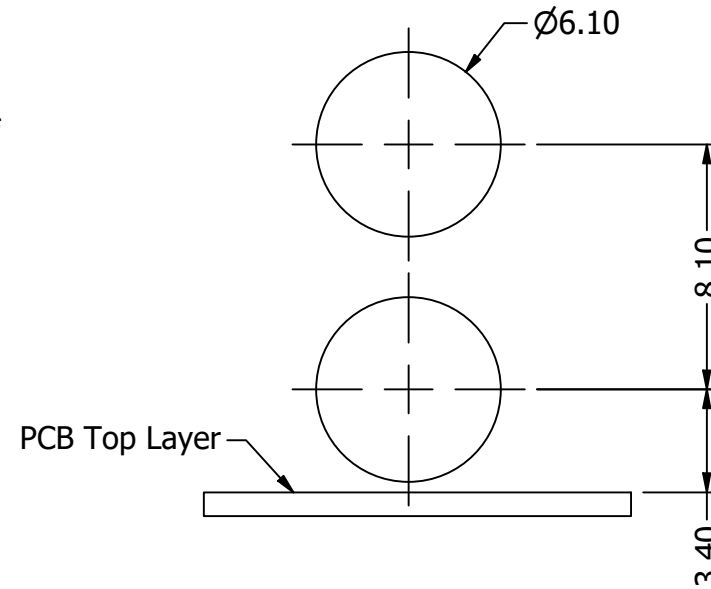


Recommended PCB Footprint



Recommended Panel Cut Out

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	12 Aug 2024	Peter Millard
1.1	Bottom Insulators Now Common	FB / SUPP	09 Dec 2024	Peter Millard
1.2	Final P/N	-	17 Feb 2025	Peter Millard

Design Right Protected <small>Third Angle Projection</small> 	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by Peter Millard	Checked by	Approved by	©2024	Date 12 Aug 2024
RoHS Compliant 	<small>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.</small>		Description: 12GHz Micro BNC Dual Port with gold interface plating		
	Part No: XPS-12-RB24-NGD Cust			Issue 1.2	Sheet 1 / 2

A3

Electrical:

Impedance 75 Ohms

Freq Range 0-12.0 GHz

Working Voltage 170 Vrms

Dielectric withstanding voltage >500 Vrms

Reflection Factor (VSWR) 1.10 Max 0.0-6.0 GHz
1.20 Max 6.0-12.0 GHz

Contact Resistance Center Contact 4.0 m Ohm
Outer Contact 2.5 m Ohm

Insulation Resistance > 1000 Meg Ohm

Materials:

Center Pin BeCu/10μ Au

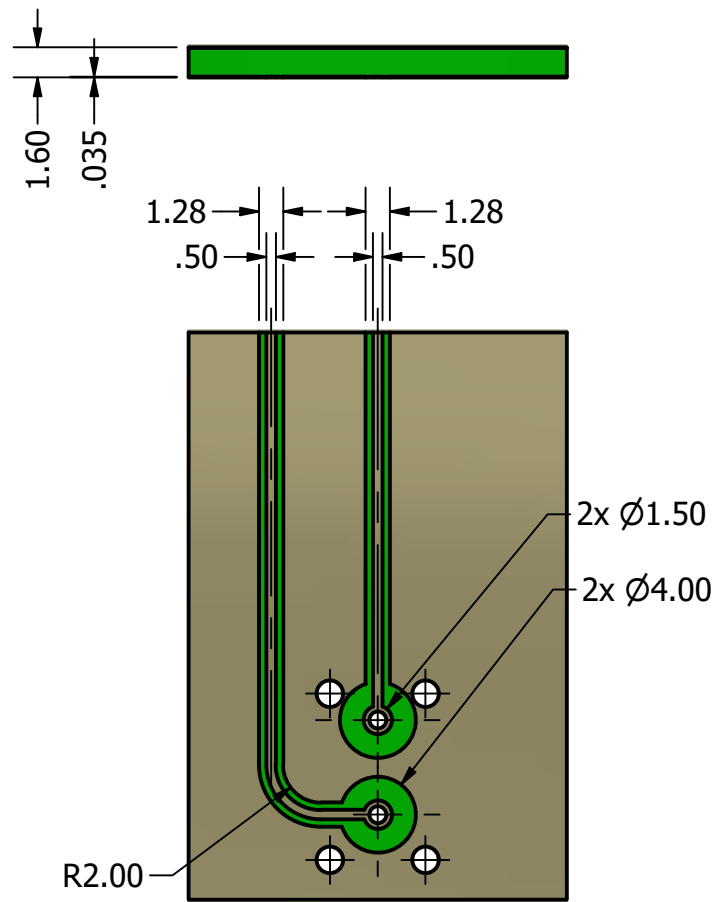
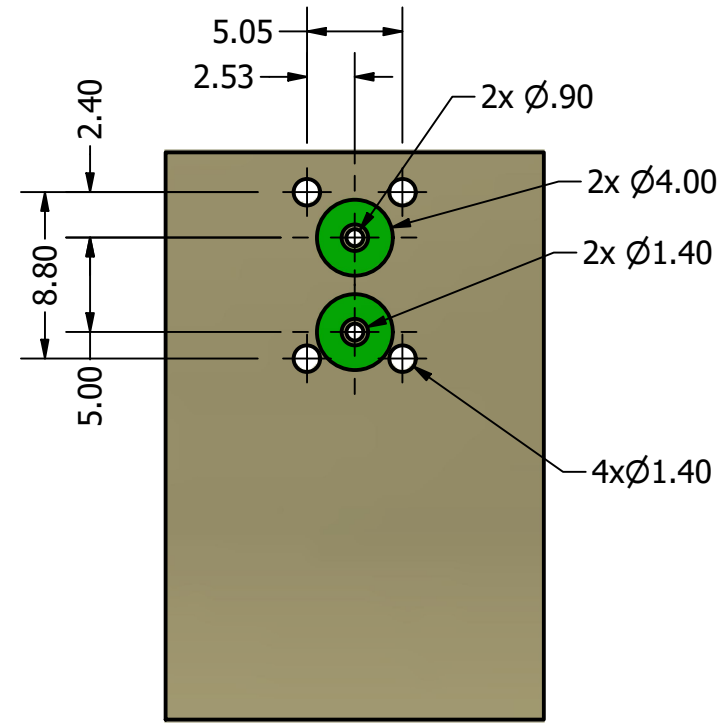
Metal Parts Brass / Au or Ni

Insulators PTFE

Enviromental:

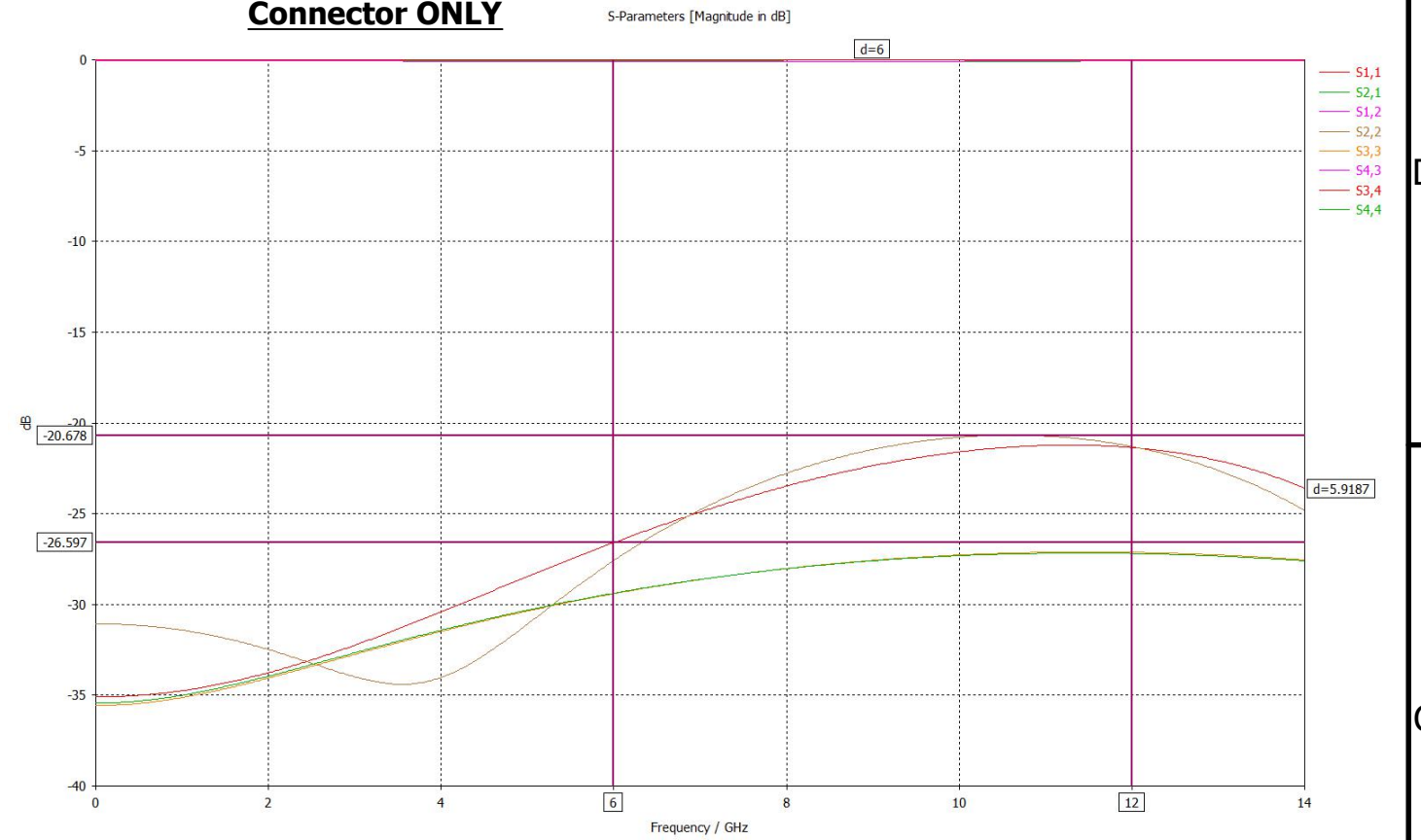
Temp Ranges: -65 to +85°C

Mating Cycles: 500

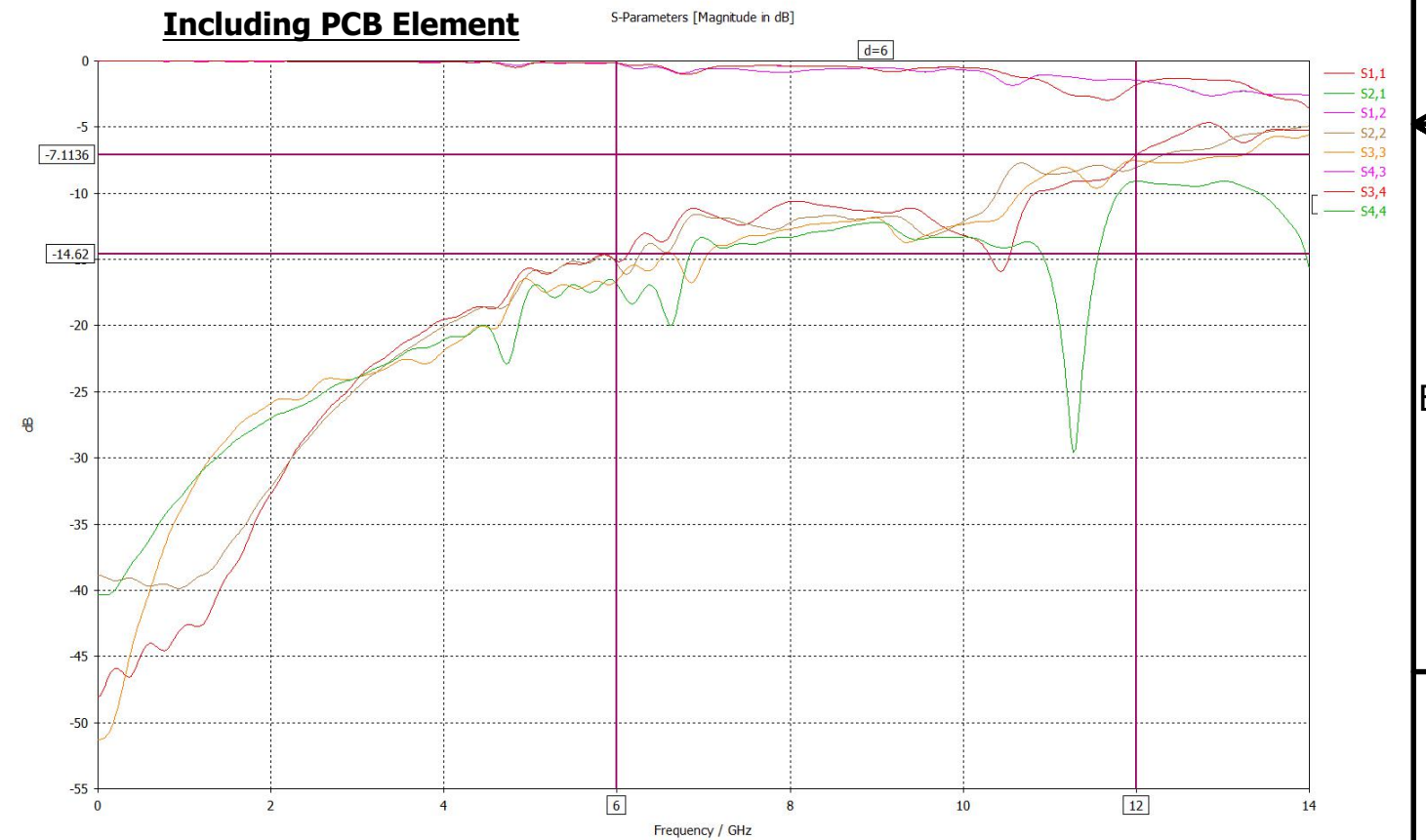


Suggested PCB layout intended as starting point for design iteration

Connector ONLY



Including PCB Element



Design Right Protected	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Third Angle Projection			Unit of Measure: millimeters (mm)	
RoHS Compliant	Designed by Peter Millard	Checked by	Approved by	©2024	Date 12 Aug 2024
	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 12GHz Micro BNC Dual Port with gold interface plating		A3
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.			Part No: XPS-12-RB24-NGD Cust		Issue 1.2 Sheet 2 / 2