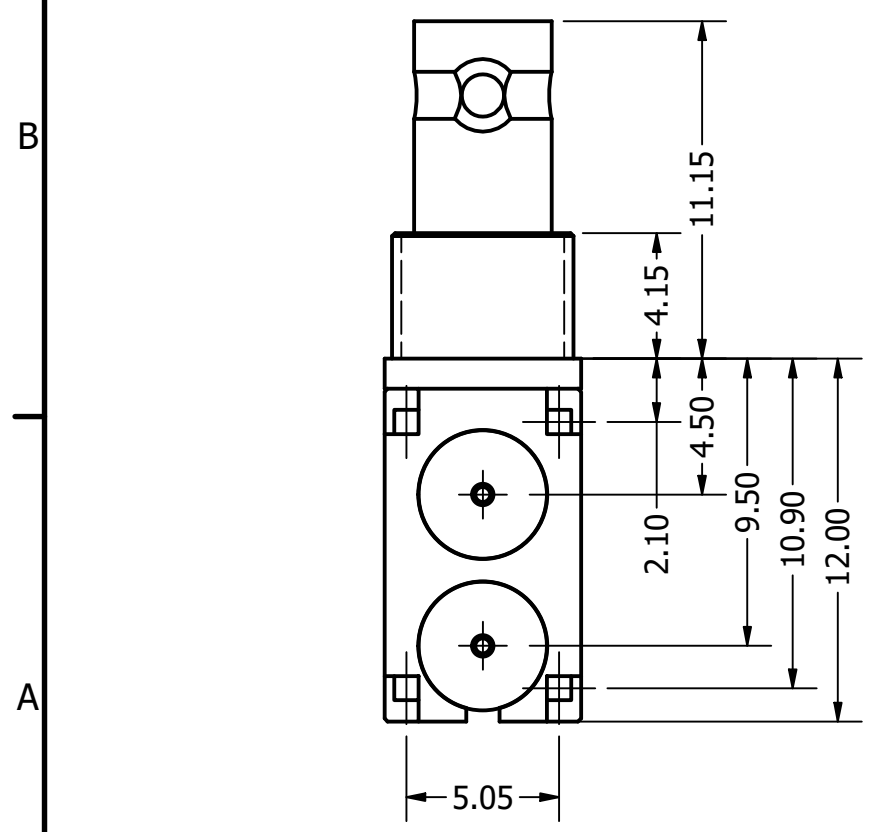
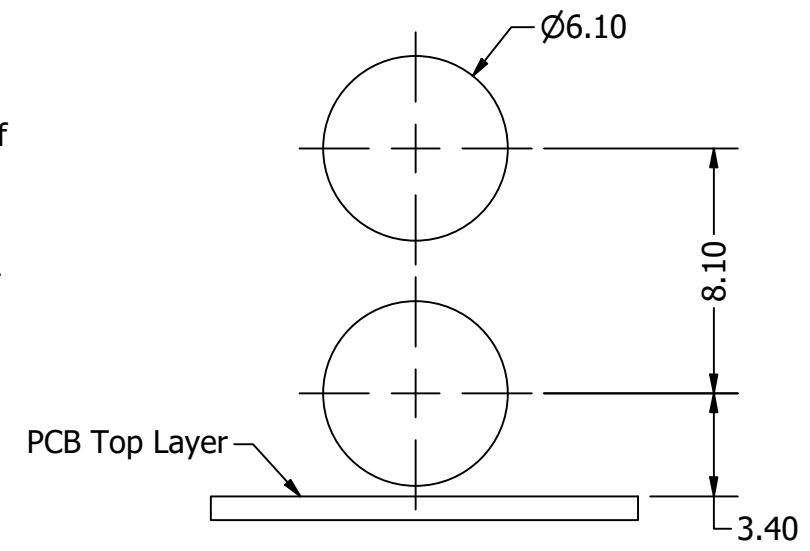
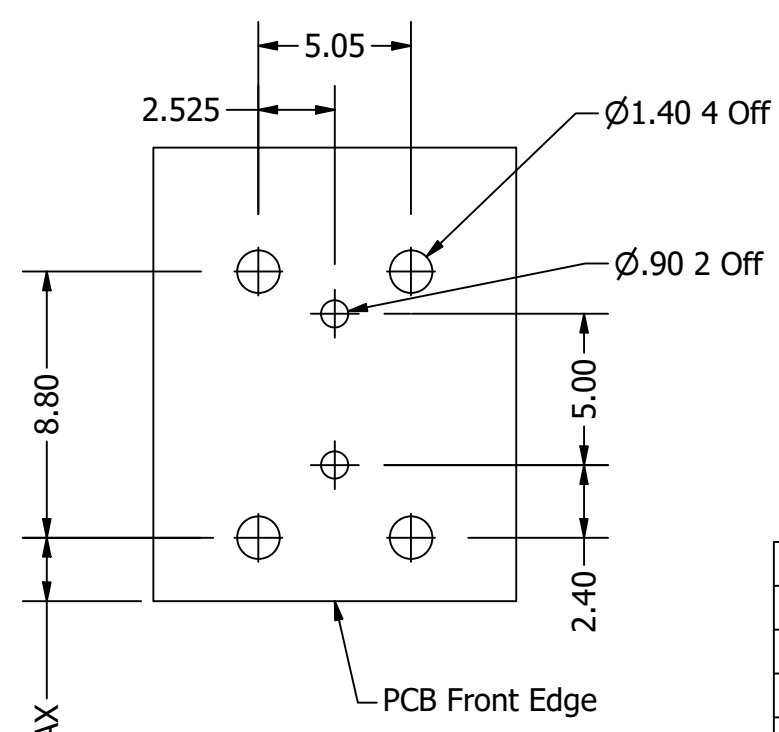


Recommended Panel Cut Out
MAX panel thickness: 4.0mm

Recommended PCB Footprint



REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Product P/N Chg	FB / INT	07 Feb 2024	Peter Millard
3.1	Updated Genral Tol	FB / INT	01 Aug 2024	Peter Millard
3.2	Bottom Insulators now Common	FB / SUPP	09 Dec 2024	Peter Millard
3.3	Body now Common	FB / SUPP	19 Dec 2024	Peter Millard
3.4	Updated ITF dimentions	FB / INT	06 Mar 2025	Peter Millard
3.5	Updated ITF	FB / SUPP	09 Jun 2025	Peter Millard
3.6	Updated panel note	FB / int	17 Jul 2025	Peter Millard

Design Right Protected Third Angle Projection 	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 22 Sep 2016
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 Dual Port Female R/A PCB Connector		
	Part No: XPS-12-RB24-GND Cust		Issue 3.6	Sheet 1 / 2	

A3

6 5 4 3 2 1

1.2

Electrical:

Impedance 75 Ohms
 Freq Range 0-25.0 GHz
 Working Voltage 170 Vrms
 Dielectric withstanding voltage >500 Vrms
 Reflection Factor (VSWR) 1.10 Max 0.0-6.0 GHz
 1.20 Max 6.0-12.0 GHz

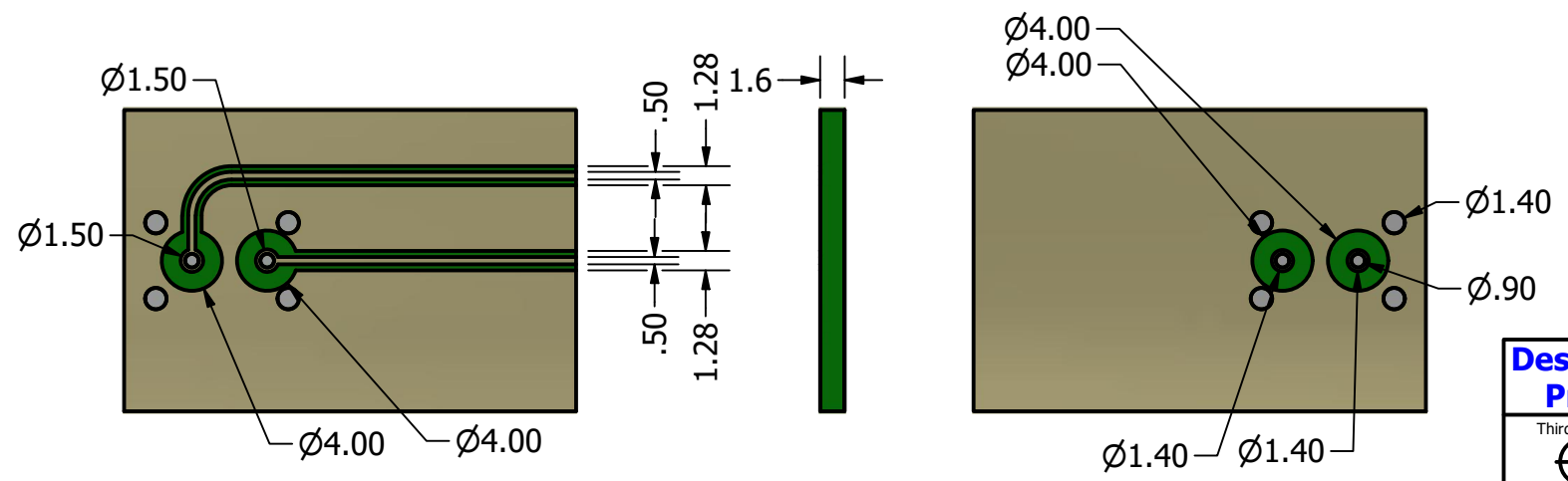
Contact Resistance Center Contact 4.0 m Ohm
 Outer Contact 2.5 m Ohm
 Insulation Resistance > 1000 Meg Ohm

Materials:

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

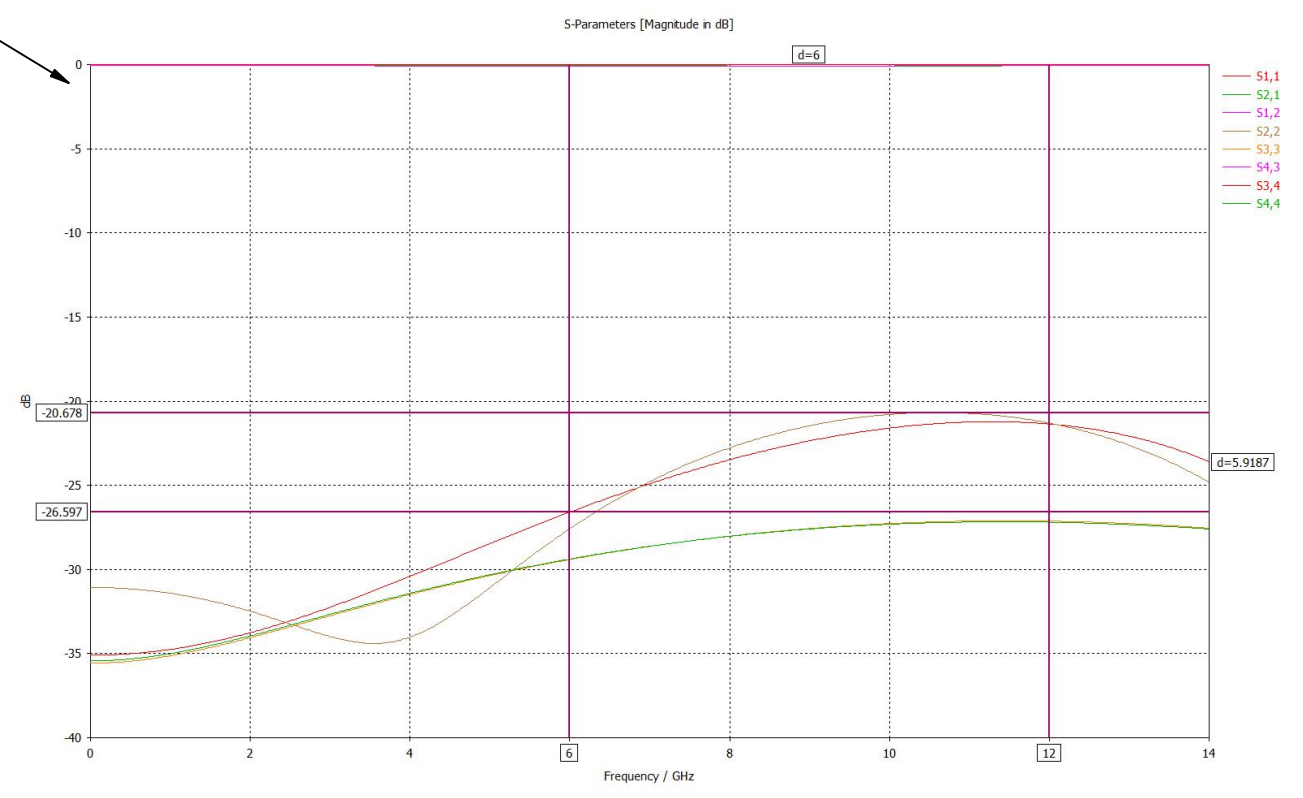
Enviromental:

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

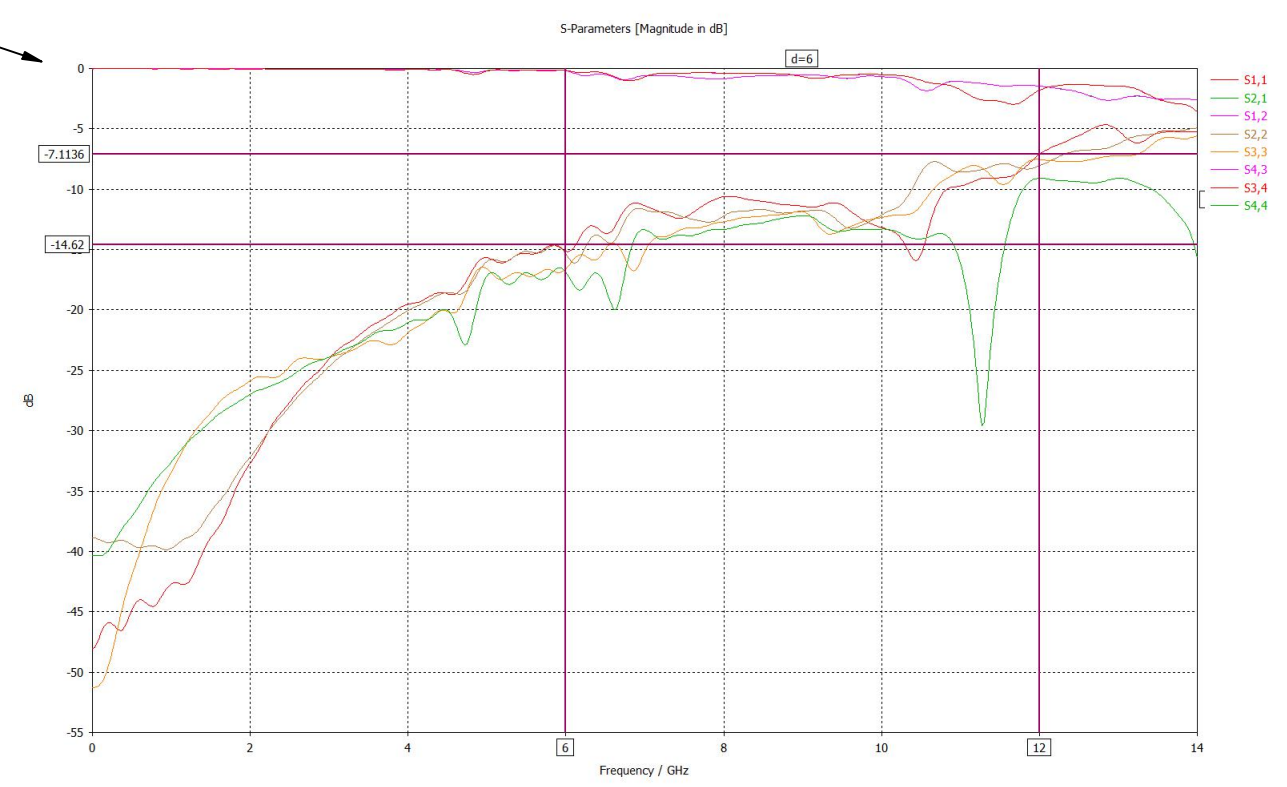


PCB Layout
Used to produce data

RL Graph Connector Only



RL Graph Connector with PCB element



Design Right Protected Third Angle Projection 	Material: GFRC	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by Peter Fayers	Checked by	Approved by	©2024	Unit of Measure: millimeters (mm)
RoHS Compliant 	CAMBRIDGE ELECTRONIC INDUSTRIES 	Description: 12GHz 75 ohm Micro BNC Dual Port Female R/A PCB Connector		Date 22 Sep 2016	A3
		Part No: XPS-12-RB24-GND Cust		Issue 3.6	Sheet 2 / 2

6 5 4 3 2 1