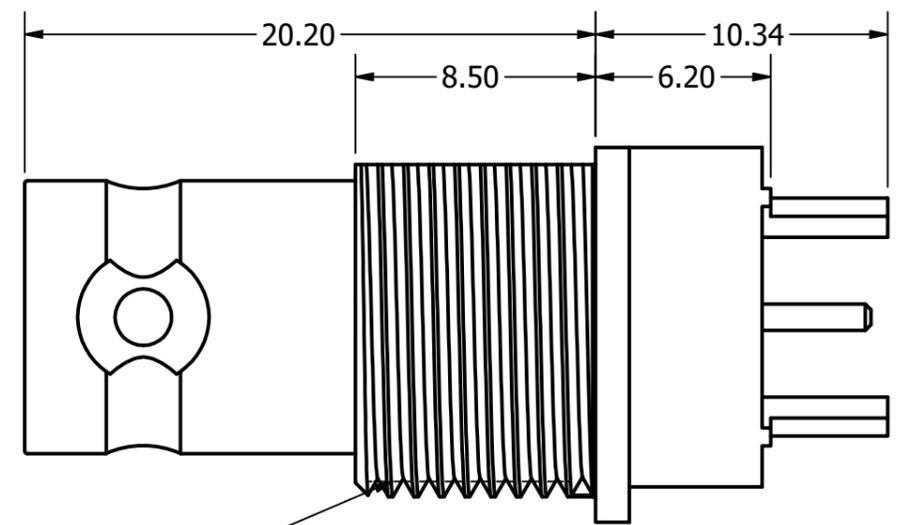
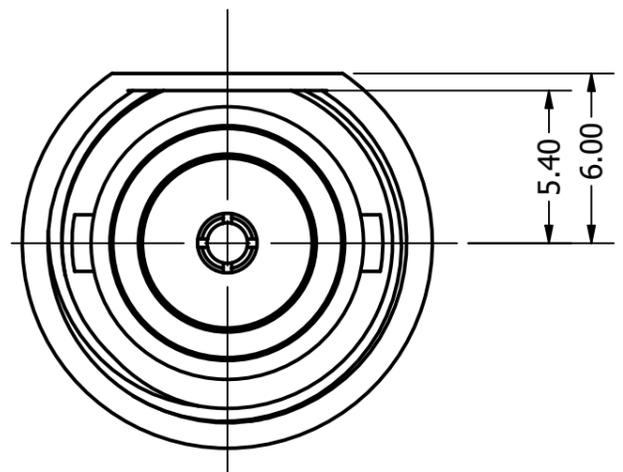
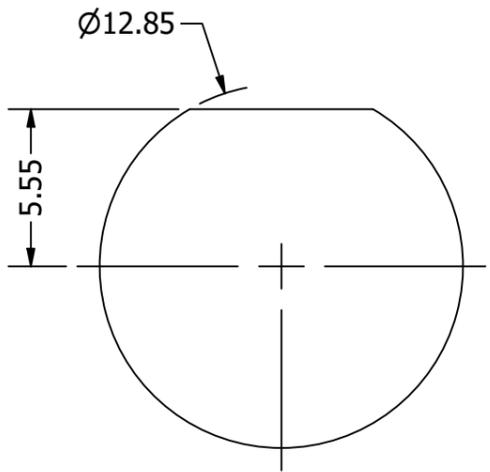
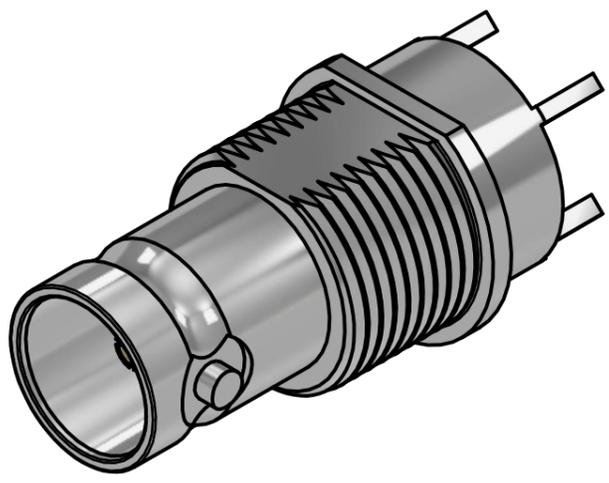
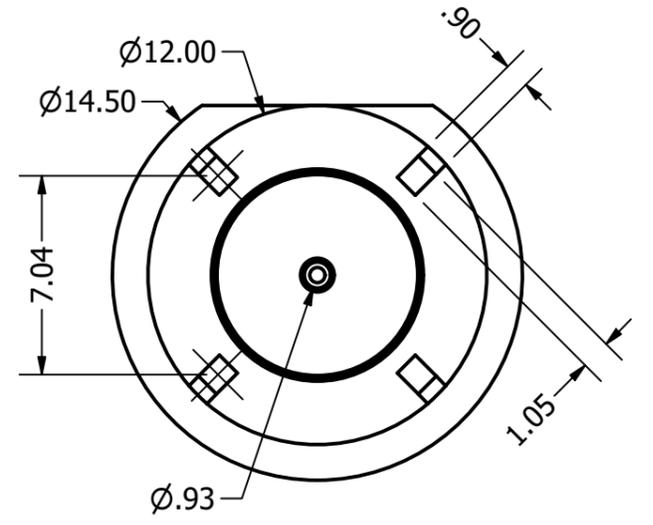


6 1 5 1 4 3 1 2 1 1



1/2-28 UNEF - 2A



Recommended Panel Cut Out

REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	15 Feb 2024	Peter Millard
3.1	Added clarifications to ICT	16 Apr 2025	Peter Millard
3.2	Updated PCB Layout	22 Apr 2025	Peter Millard

Design Right Protected <small>Third Angle Projection</small> 	Material:	Finish:	Gen Tol ±0.10	DO NOT SCALE Unit of Measure: millimeters (mm)	
	Designed by P. Fayers	Checked by	Approved by	©2024	Date 11 Oct 2010
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 75 Ohm BNC Female Bulkhead Top entry with 4 Legs	
		Part No: XBS-12-TB41-NN Cust		Issue 3.2	Sheet 1 / 3

D
C
B
A

D
C
B
A

6 1 5 1 4 3 1 2 1 1

Electrical:

Impedance 75 Ohms
 Freq Range 0-12.0 GHz
 Working Voltage 500 Vrms
 Dielectric withstanding voltage 1500 Vrms
 Reflection Factor (VSWR) 1.04 MAX 0.0-6.0 GHz
 1.08 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:

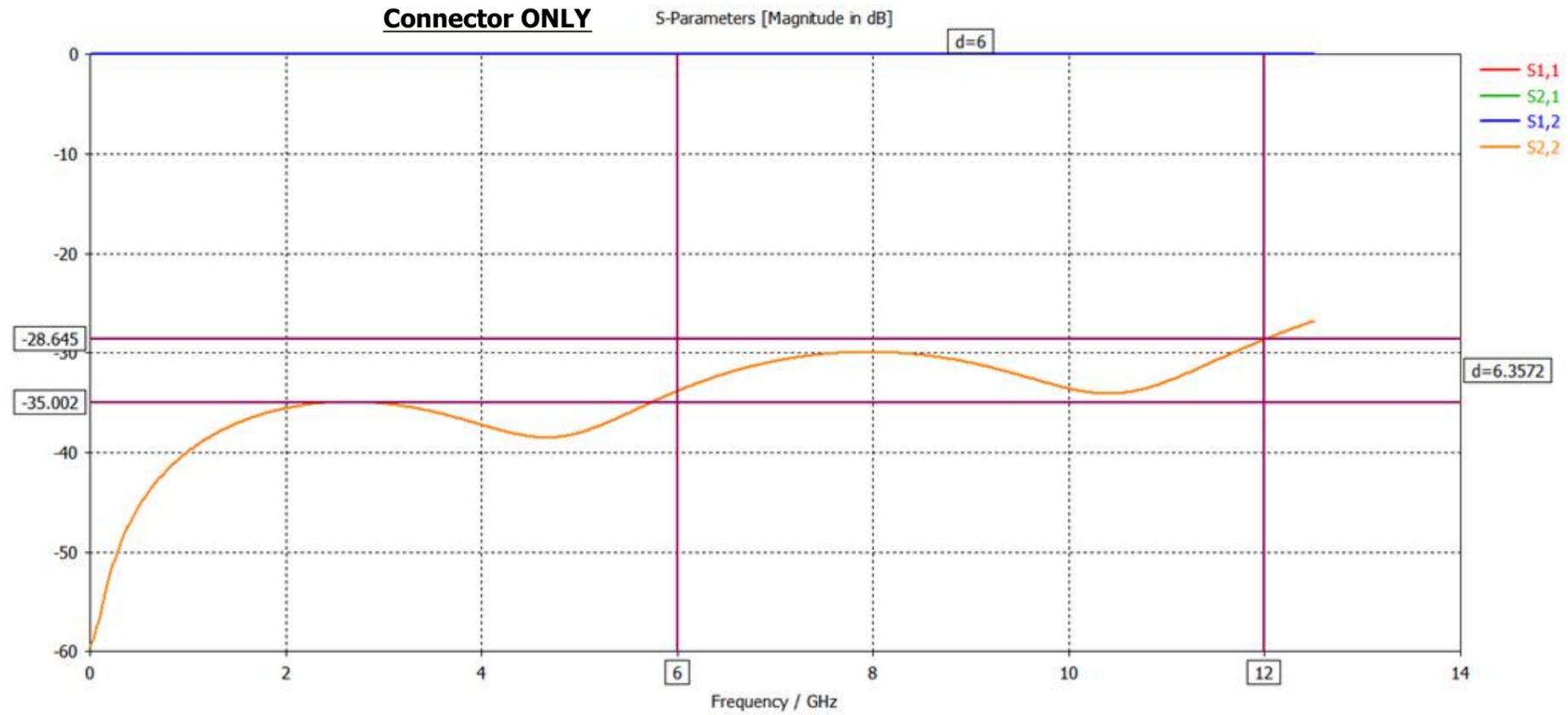
Center Pin PhosBronze / 10μ" Au
 Metal Parts Brass / 70μ" Ni Plate
 Insulators PTFE

Enviromental:

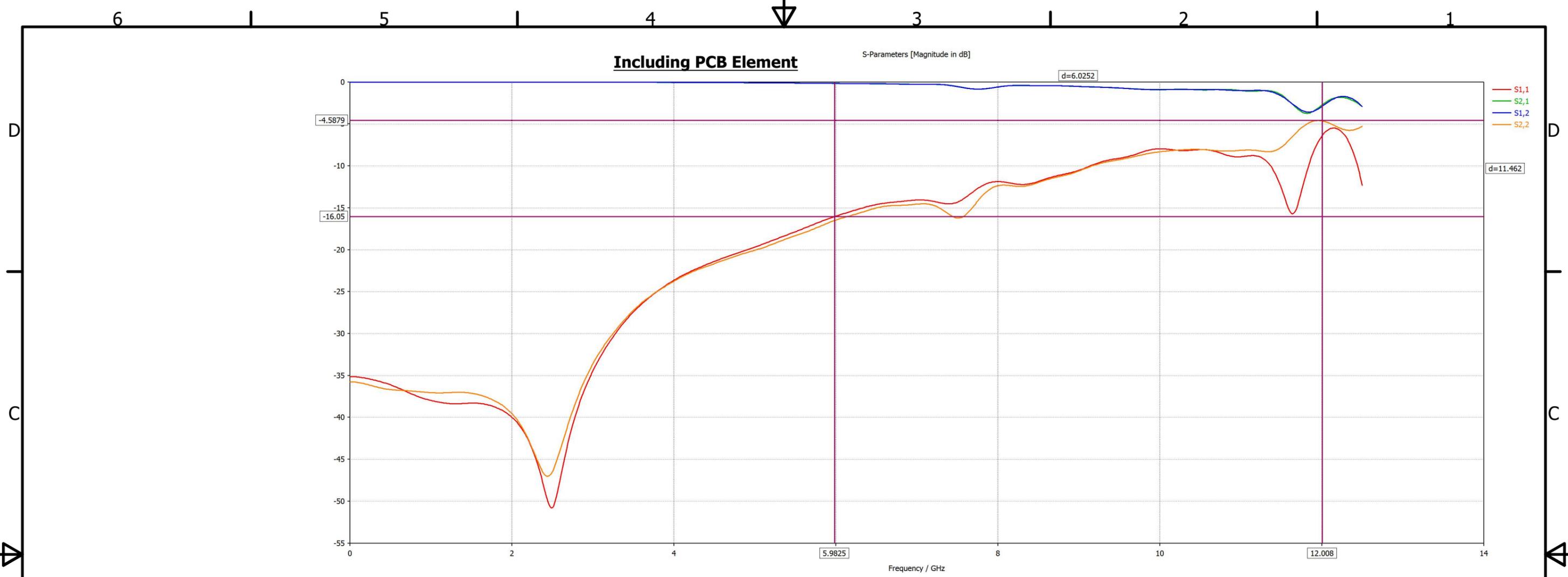
Temp Ranges -65 to +85°C
 Mating Cycles 250

Processing:

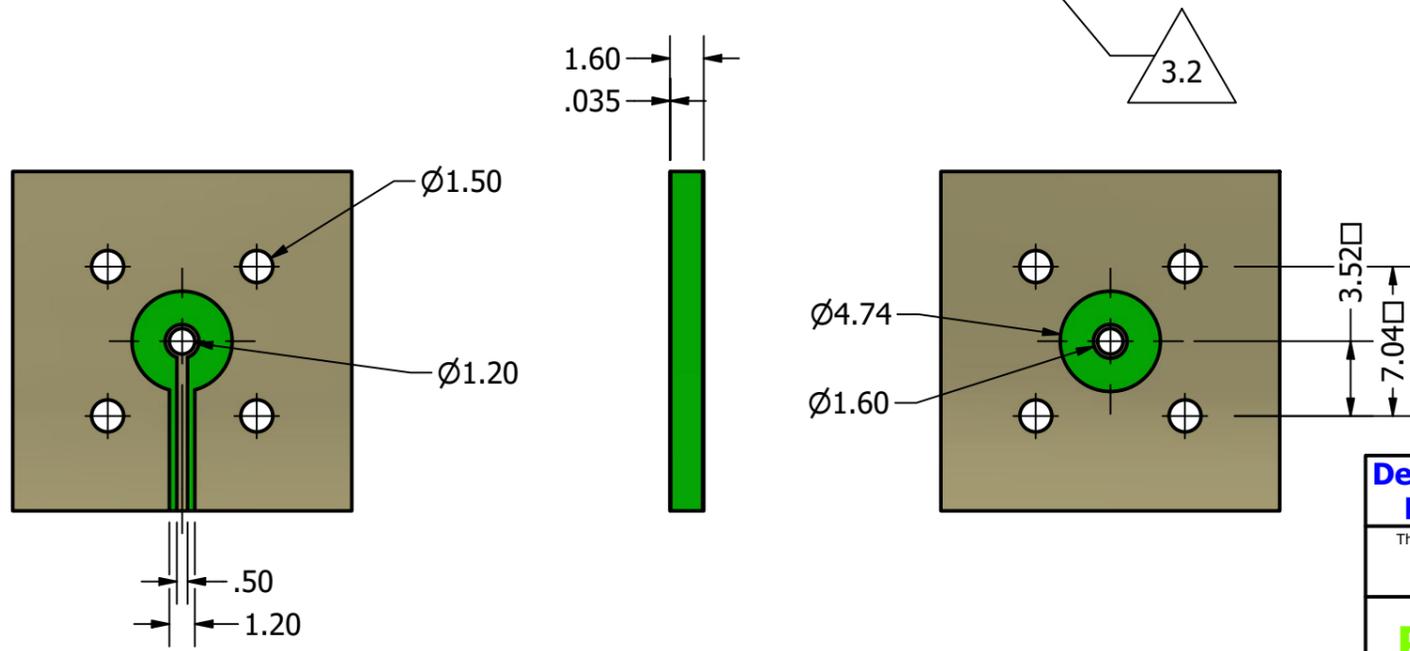
Wave Soldering Solder bath to be 265°C ±5°C Hold time to be 10-12 seconds
 Hand Soldering Iron to be 380 °C ±5°C dwell time to be 5-7 seconds



Design Right Protected	Material:	Finish:	Gen Tol ±0.10	DO NOT SCALE	
	Third Angle Projection			Unit of Measure: millimeters (mm)	
Designed by P.Fayers	Checked by	Approved by	©2024	Date 11 Oct 2010	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 BNC Female Bulkhead Top entry with 4 Legs		
			Part No: XBS-12-TB41-NN Cust	Issue 3.2	Sheet 2 / 3



Suggested PCB layout intended as starting point for design iteration



Design Right Protected	Material:		Finish:		Gen Tol ± 0.10	DO NOT SCALE	
	Third Angle Projection		Checked by		©2024	Unit of Measure: millimeters (mm)	
RoHS Compliant	Designed by P. Fayers		Approved by		Date 11 Oct 2010	A3	
	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 12GHz 75 Ohm BNC Female Bulkhead Top entry with 4 Legs		Part No: XBS-12-TB41-NN Cust	Issue 3.2	Sheet 3 / 3