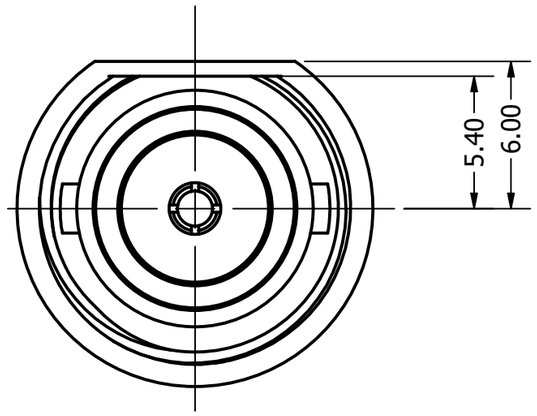
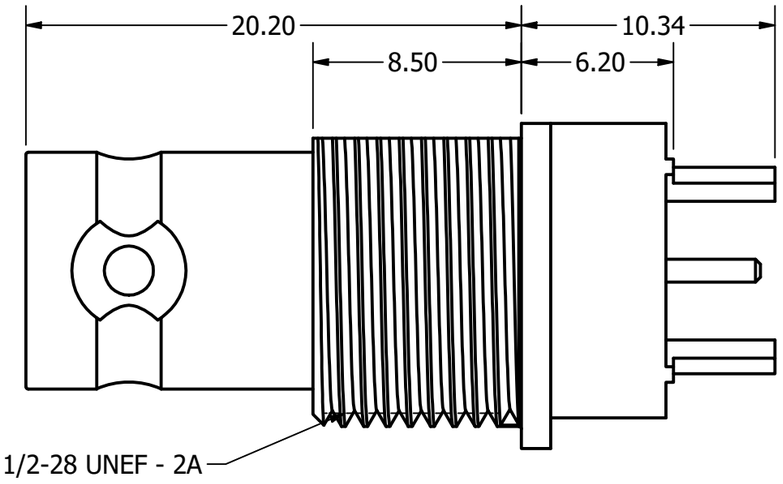
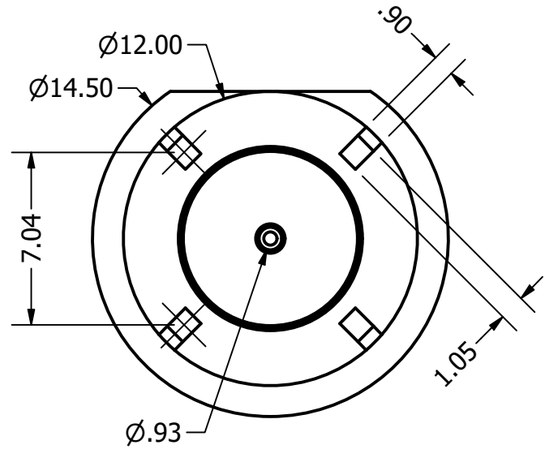
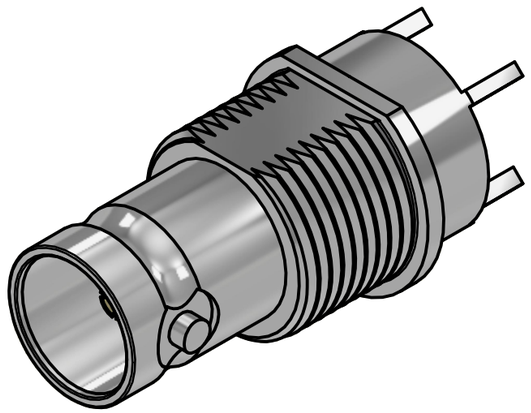
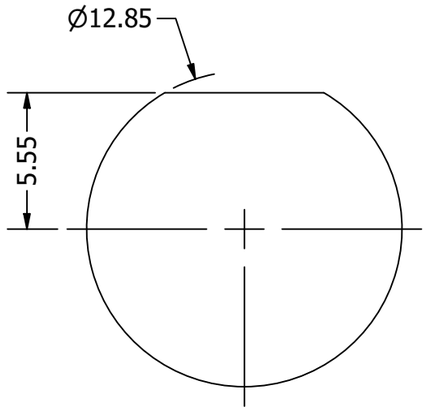










Recommended Panel Cut Out

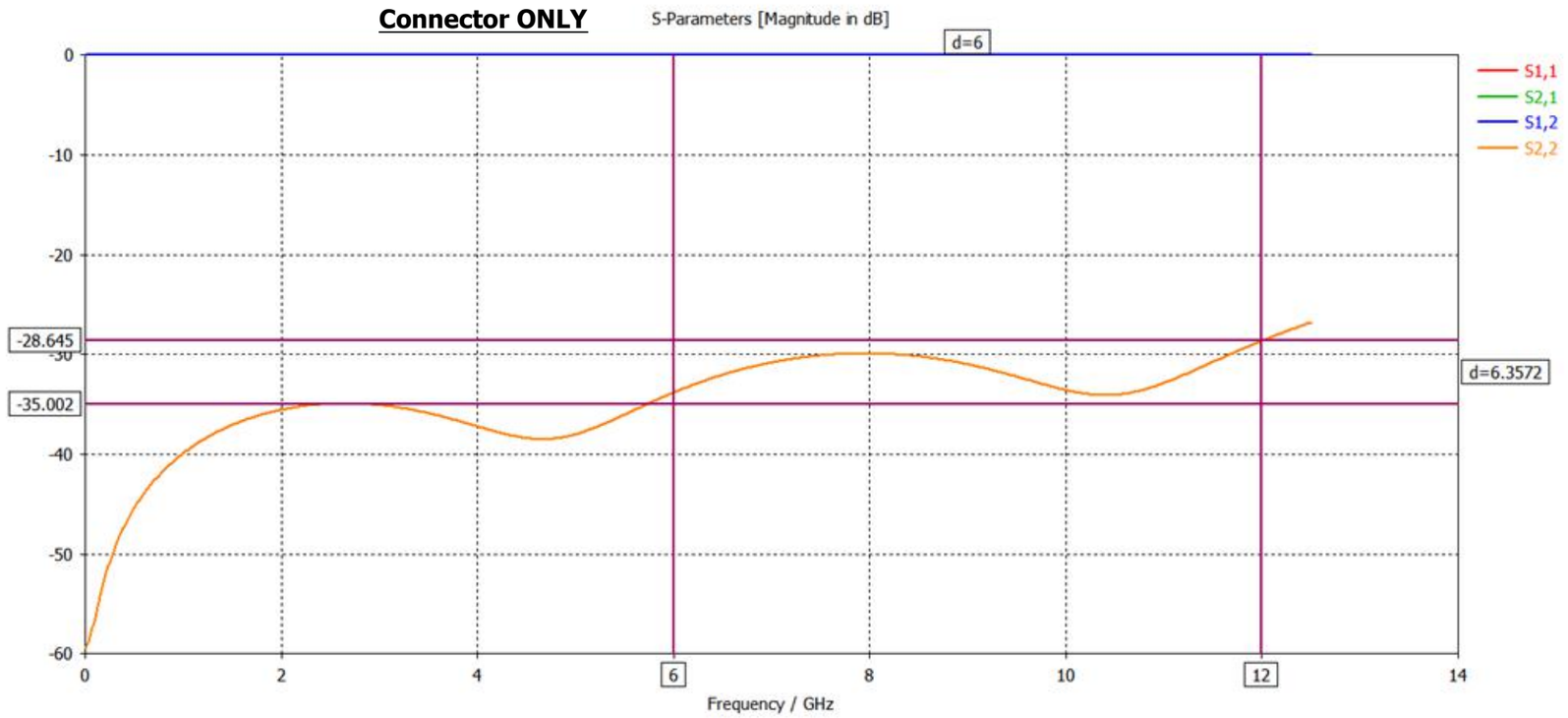
REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	15 Feb 2024	Peter Millard

Design Right Protected	Material:	Finish:		Gen Tol ±0.10	DO NOT SCALE	
					Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by P.Fayers	Checked by	Approved by	©2024	Date 11 Oct 2010	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTIRES	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 3.0	Sheet 1 / 3

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

Connector ONLY



Materials:

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

Enviromental:

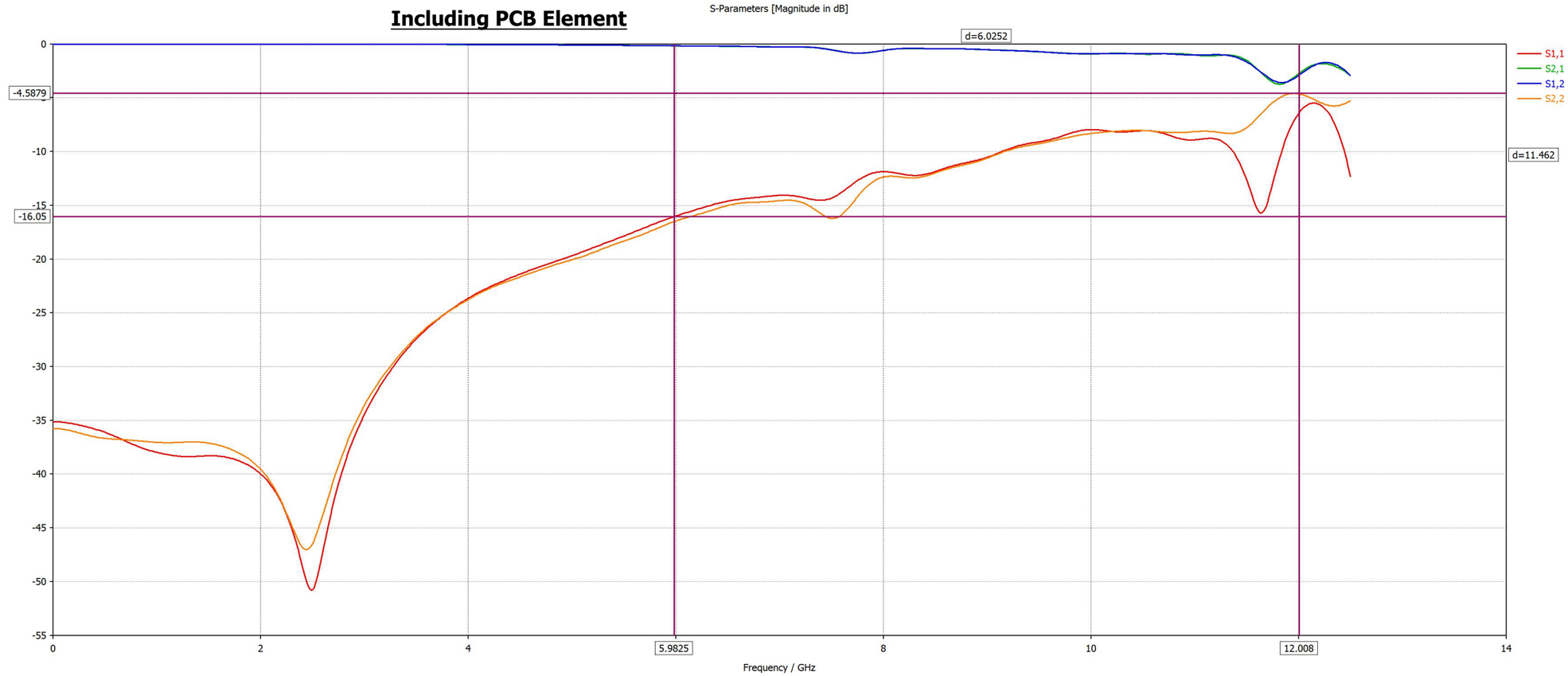
Temp Ranges	-65 to +85°C
Mating Cycles	250

Processing:

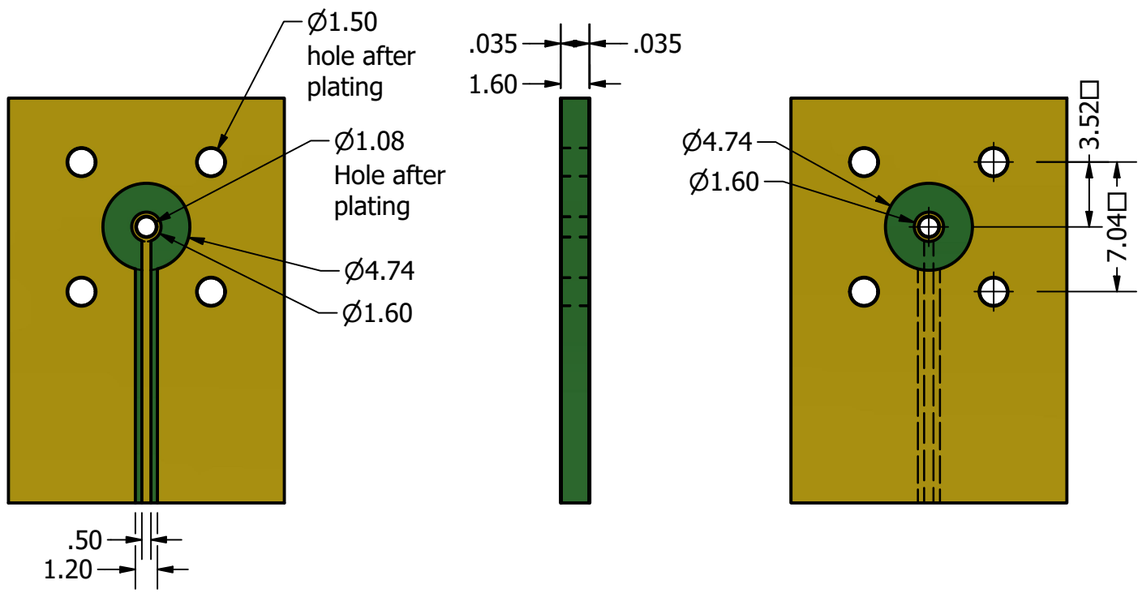
Wave Soldering	Solder bath to be 265°C ±5°C Hold time to be 10-12 seconds
Hand Soldering	Iron to be 380 °C ±5°C dwell time to be 5-7 seconds

Design Right Protected	Material:	Finish:		Gen Tol ±0.10	DO NOT SCALE Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by P.Fayers	Checked by	Approved by	©2024	Date 11 Oct 2010	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 12GHz 75 Ohm BNC Female Bulkhead Top entry with 4 Legs			
			Part No: XBS-12-TB41-NN Cust	Issue 3.0	Sheet 2 / 3	

Including PCB Element



Suggested PCB layout intended as starting point for design iteration



Design Right Protected	Material: Generic	Finish:		Gen Tol ±0.10	DO NOT SCALE Unit of Measure: millimeters (mm)
Third Angle Projection	Designed by P.Fayers	Checked by	Approved by	©2024	Date 11 Oct 2010 — A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTIRES		Description: 12GHz 75 Ohm BNC Female Bulkhead Top entry with 4 Legs		
			Part No: XBS-12-TB41-NN Cust	Issue 3.0	Sheet 3 / 3