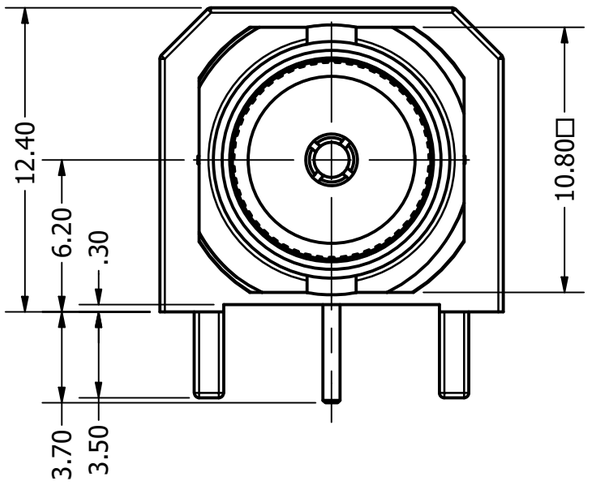
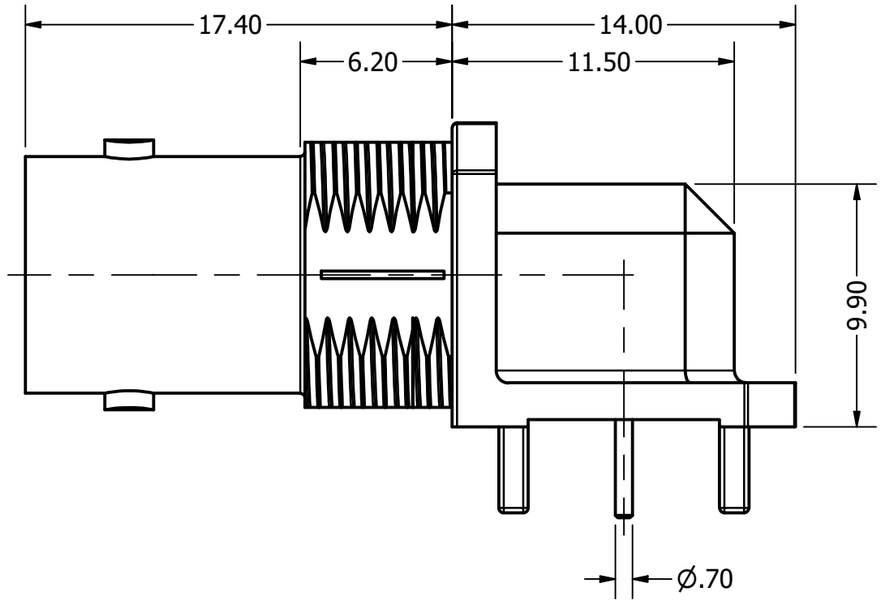
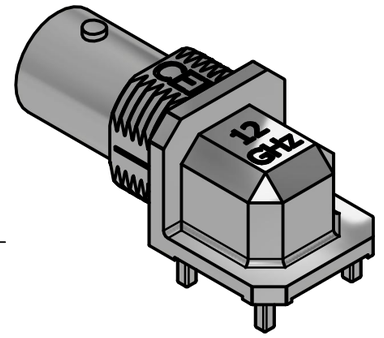
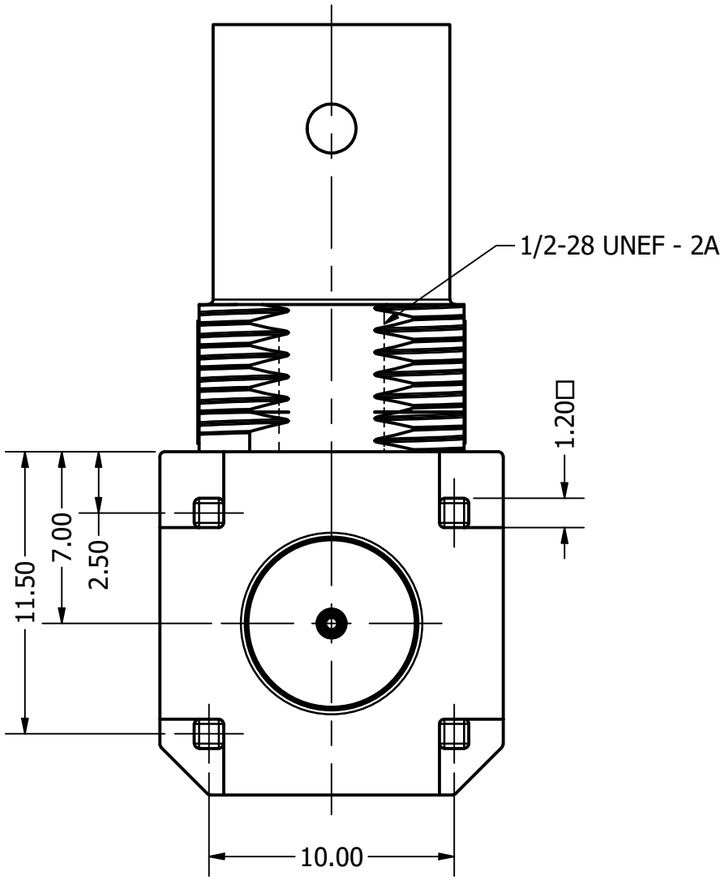
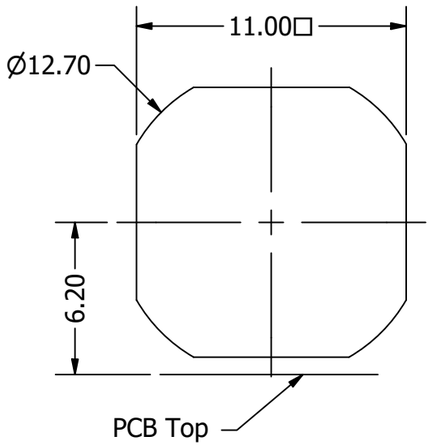


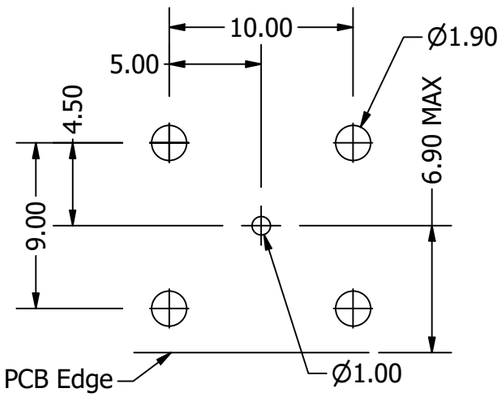








Recommended Panel Cut Out



Recommended PCB Footprint

REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	30 Oct 2024	Peter Millard
3.1	Updated to contact	18 Mar 2025	Peter Millard
3.2	Added Chmf to Insualtor	25 Sep 2025	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 22 May 2014	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 R/A PCIe PCB Connector			
			Part No: XBS-12-RB35-NN Cust		Issue 3.2	Sheet 1 / 2

Electrical:

Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	500 Vrms
Dielectric withstanding voltage	1500 Vrms
Reflection Factor (VSWR)	1.10 MAX 0.0-6.0 GHz
	1.14 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	Phosphor Bronze / 10µ" Au
Metal Parts	Die Cast Zinc / 70µ" Ni Plate
Insulators	PTFE

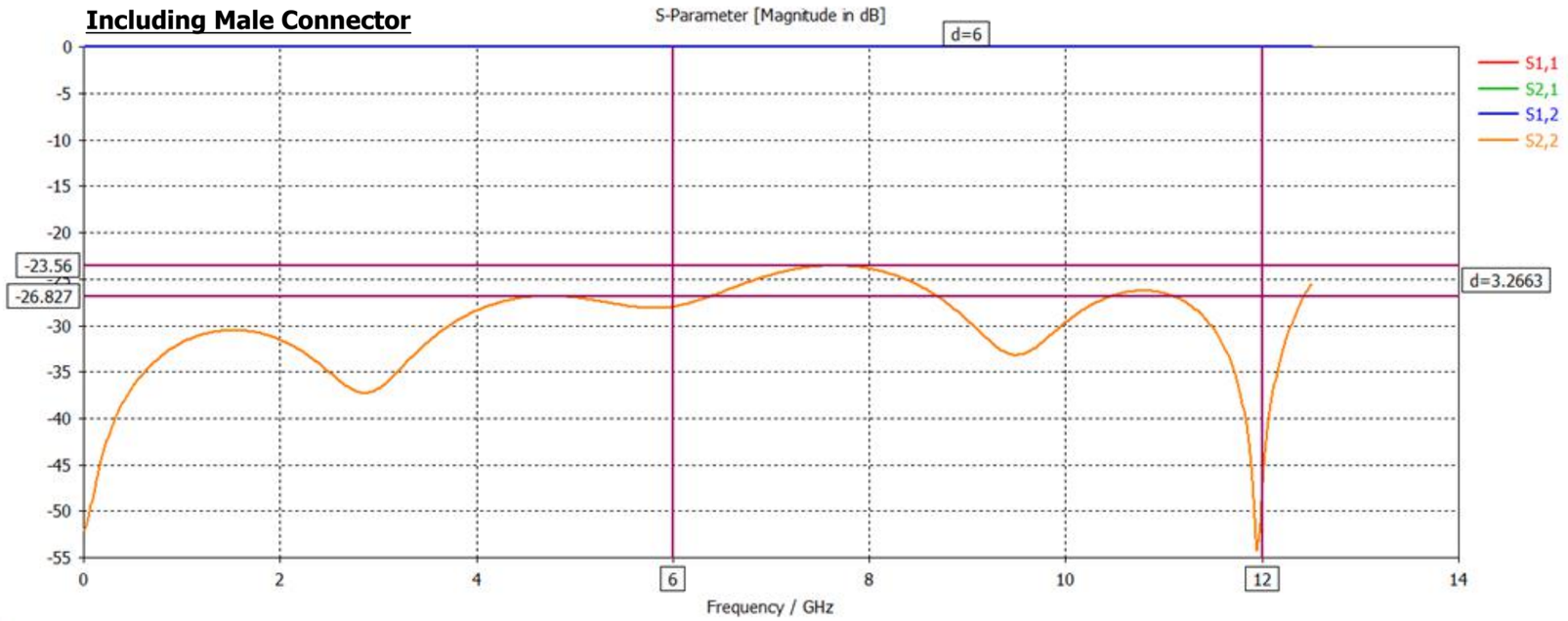
Enviromental:

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

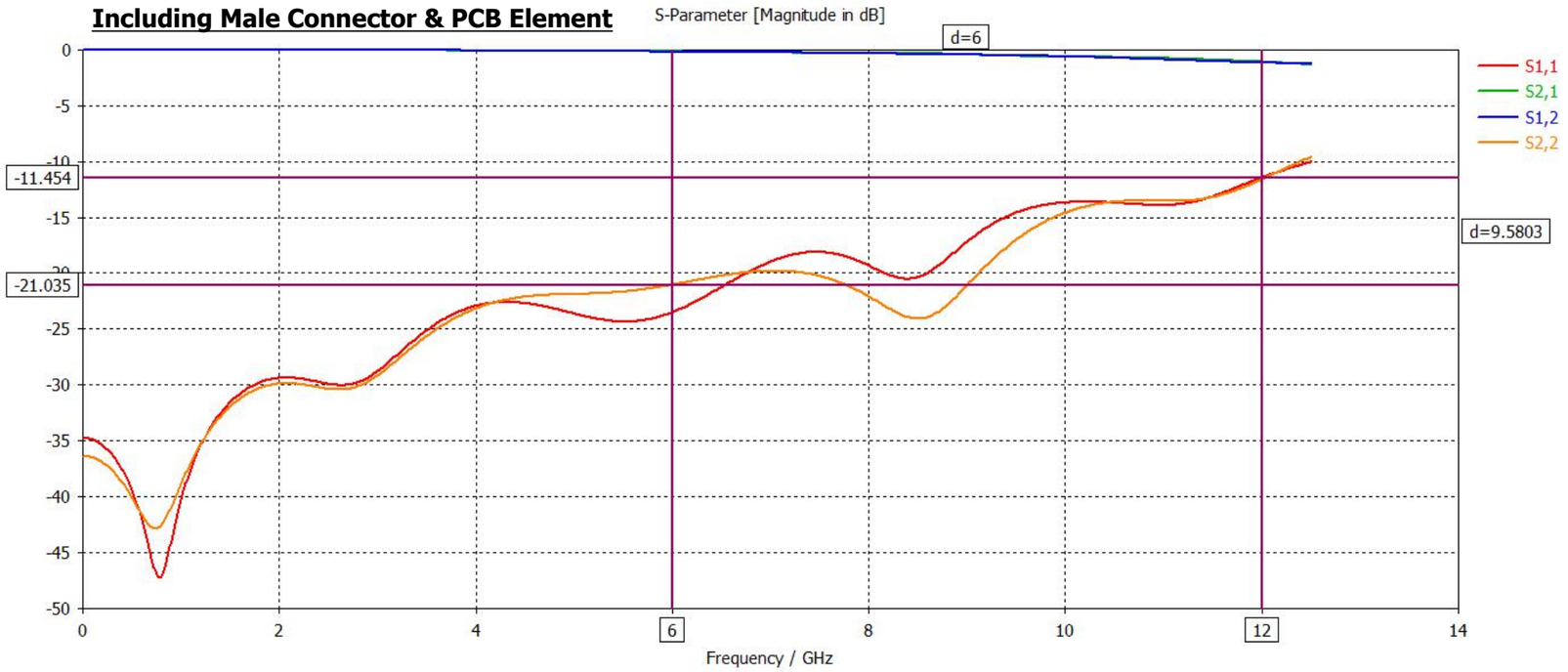
Processing:

Wave Solder	265° MAX Dwell time 10-12s
Hand Solder	

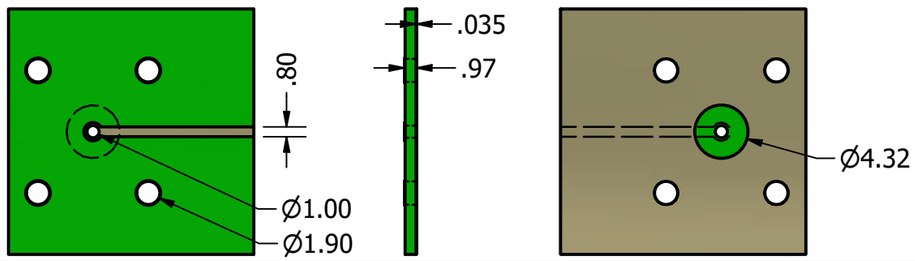
Including Male Connector



Including Male Connector & PCB Element



Suggested PCB layout intended as starting point for design iteration



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 22 May 2014	A3
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			Part No: XBS-12-RB35-NN Cust		Issue 3.2	Sheet 2 / 2