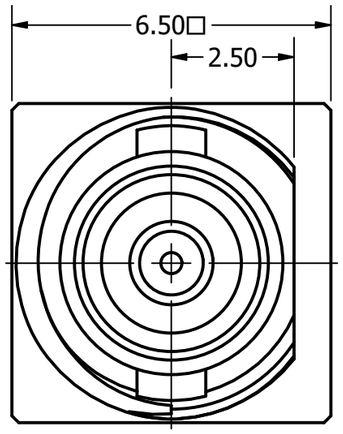
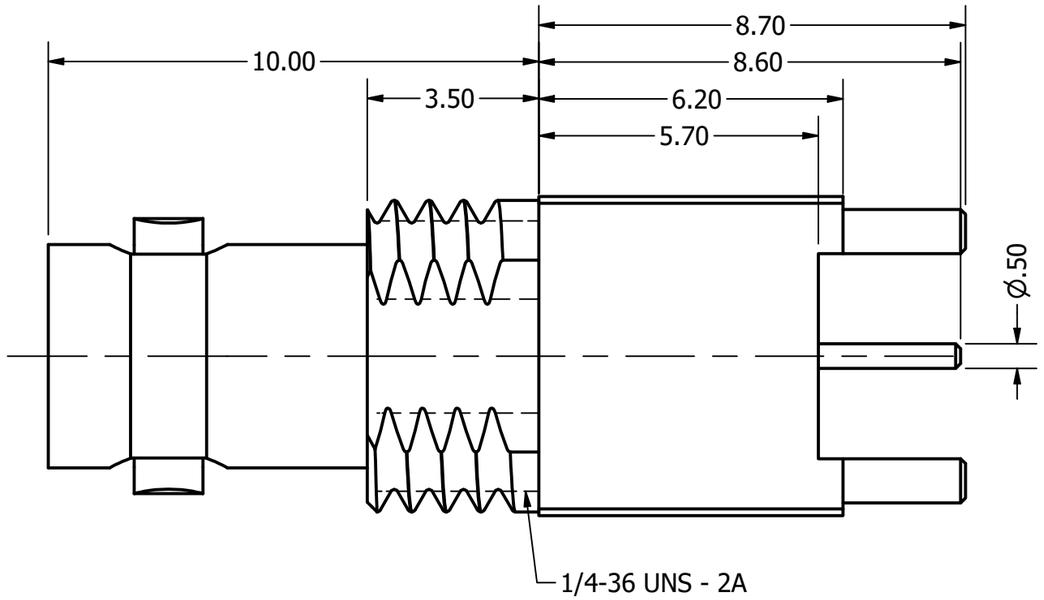
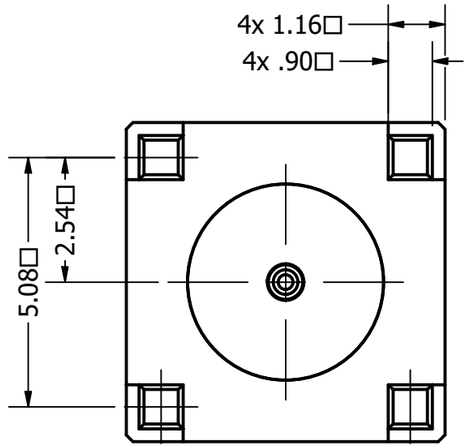
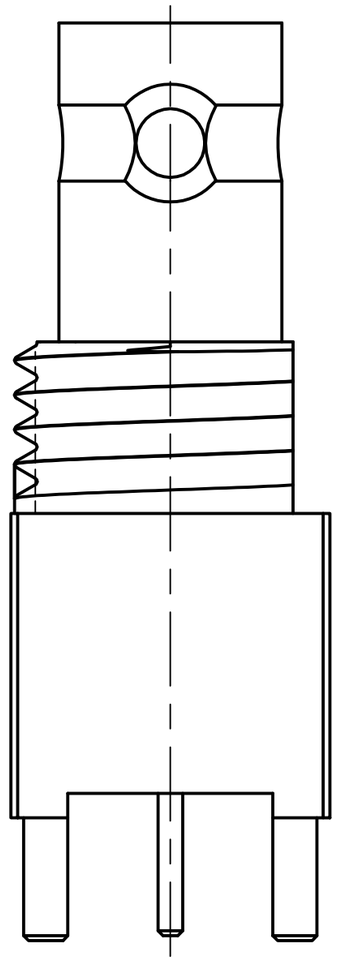
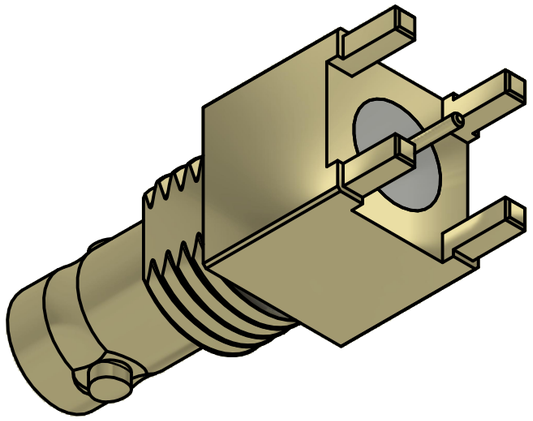
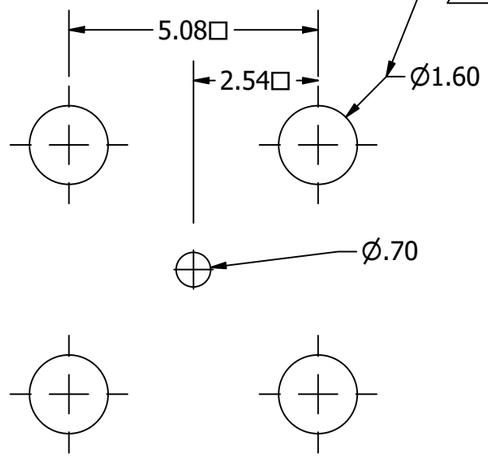




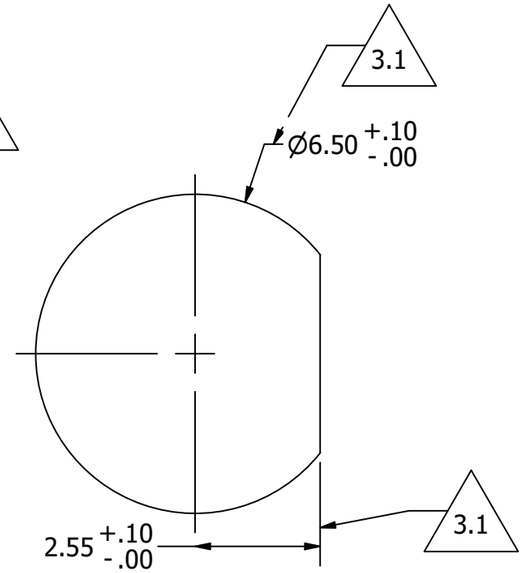








Recommended PCB Footprint



Recommended Panel Cut Out

REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	31 Jul 2024	Peter Millard
3.1	Updated Body Chanfer, PCB Footprint & Pannel Cutout	16 Jan 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 21 Mar 2013	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES	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 Female Bulkhead Top Entry with 6.2mm Standoff			
			Part No: XPS-12-TB25-GG Cust		Issue 3.1	Sheet 1 / 2

Electrical:

Impedance	75 Ohms
Freq Range	0-25.0 GHz
Working Voltage	170 Vrms
Dielectric withstanding voltage	500 Vrms
Reflection Factor (VSWR)	1.00 Max 0.0-6.0 GHz
	1.01 Max 6.0-12.0 GHz
	1.04 Max 12.0-25.0 GHz
Contact Resistance	Center Contact 5.0 m Ohm
	Outer Contact 2.5 m Ohm
Insulation Resistance	> 1000 Meg Ohm

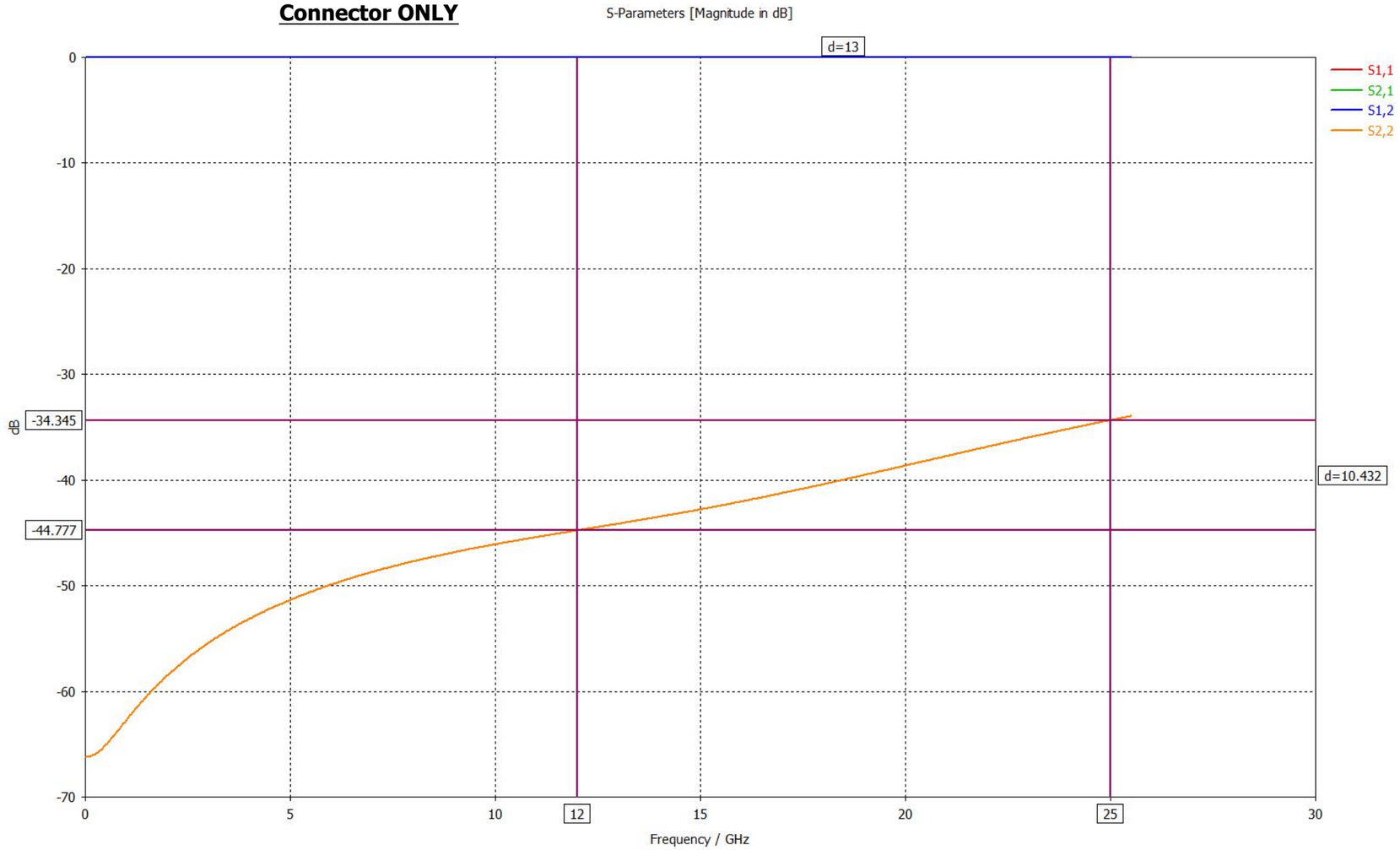
Materials:

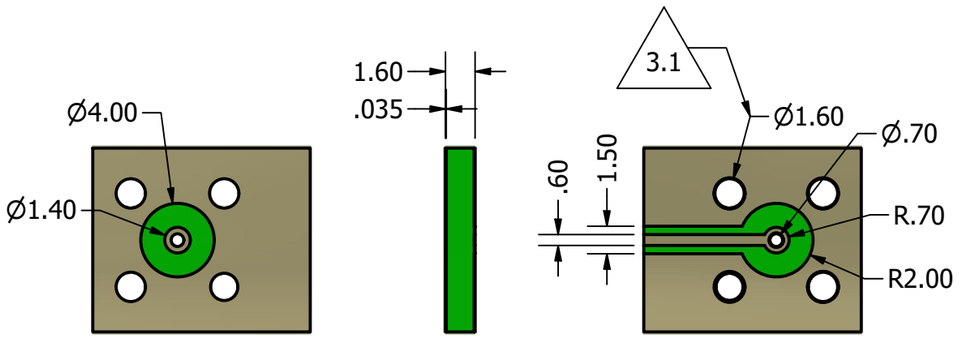
Center Pin	BeCu/10µ Au
Metal Parts	Brass / Au
Insulators	PTFE

Enviromental:

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

Connector ONLY





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 21 Mar 2013 — A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 12GHz 75 ohm Micro BNC Female Bulkhead Top Entry with 6.2mm Standoff		
			Part No: XPS-12-TB25-GG Cust	Issue 3.1	Sheet 2 / 2