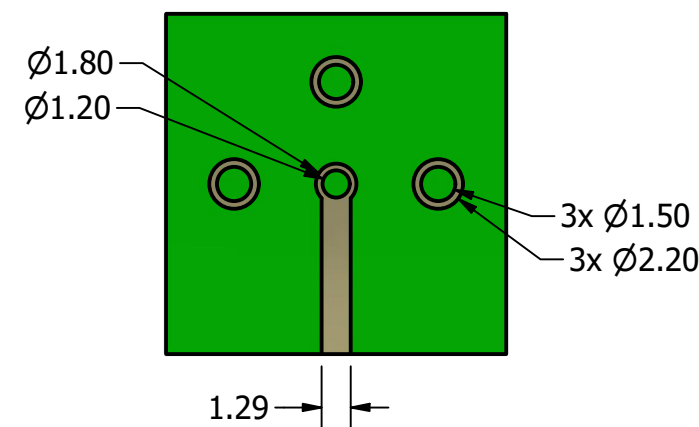
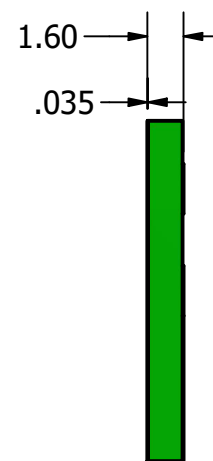
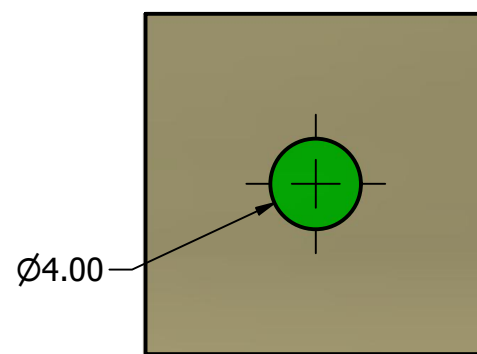
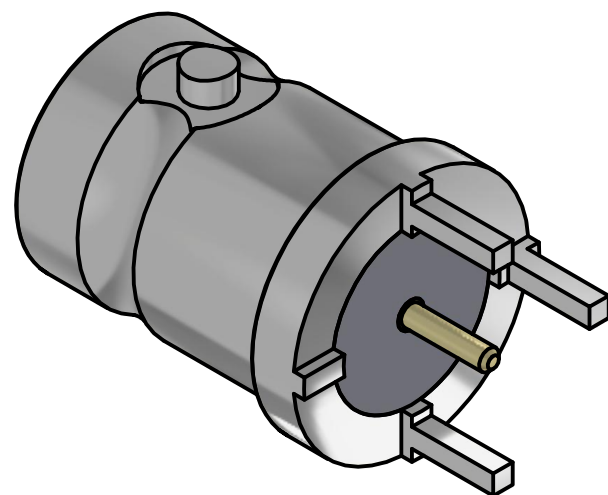
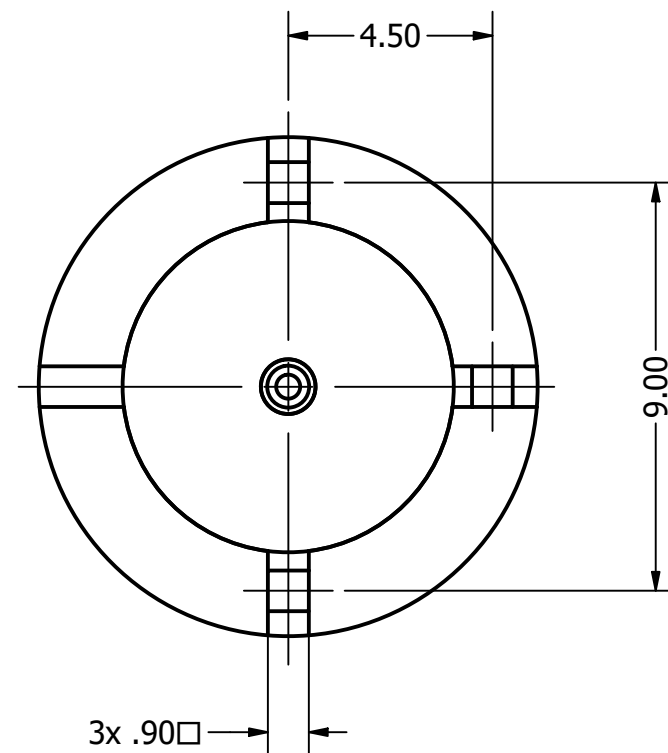
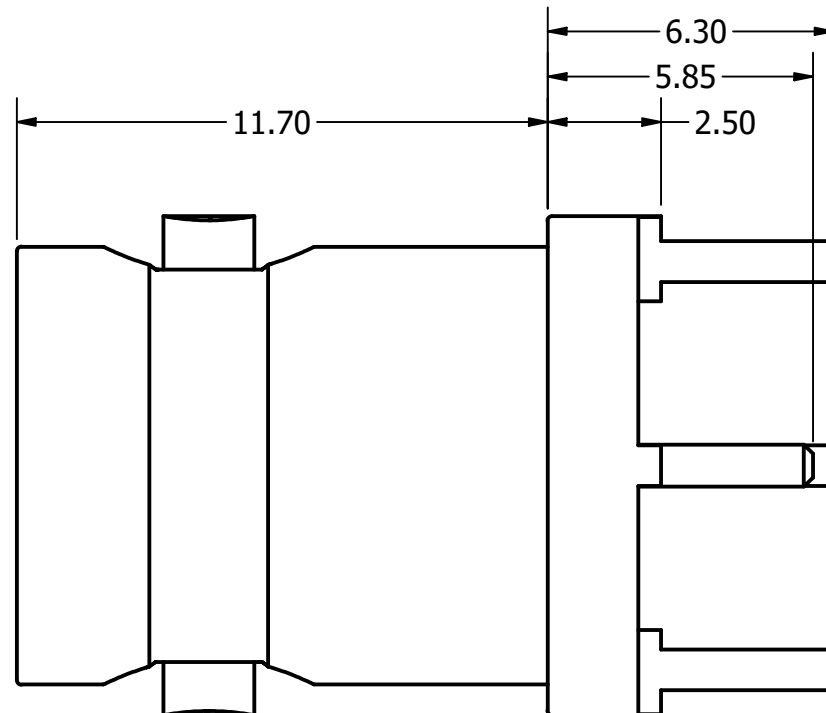
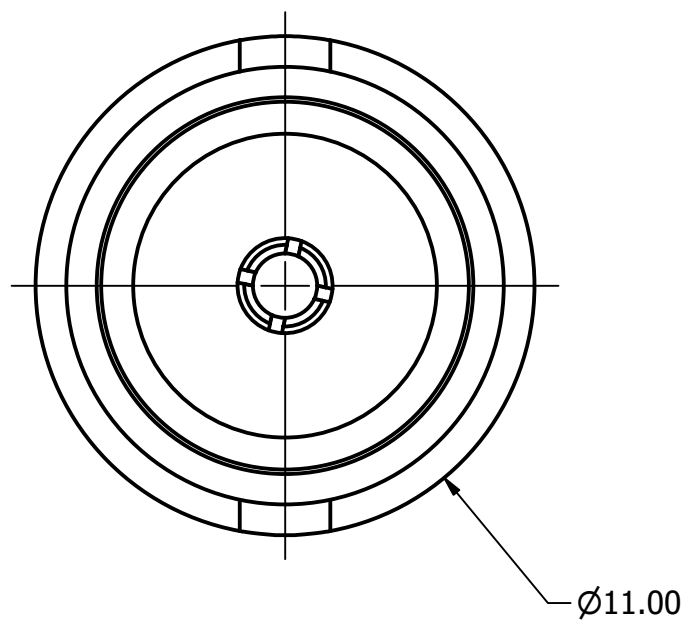




Suggested PCB layout
Intended as a starting
point for design iteration

REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	26 Jun 2024	Peter Millard

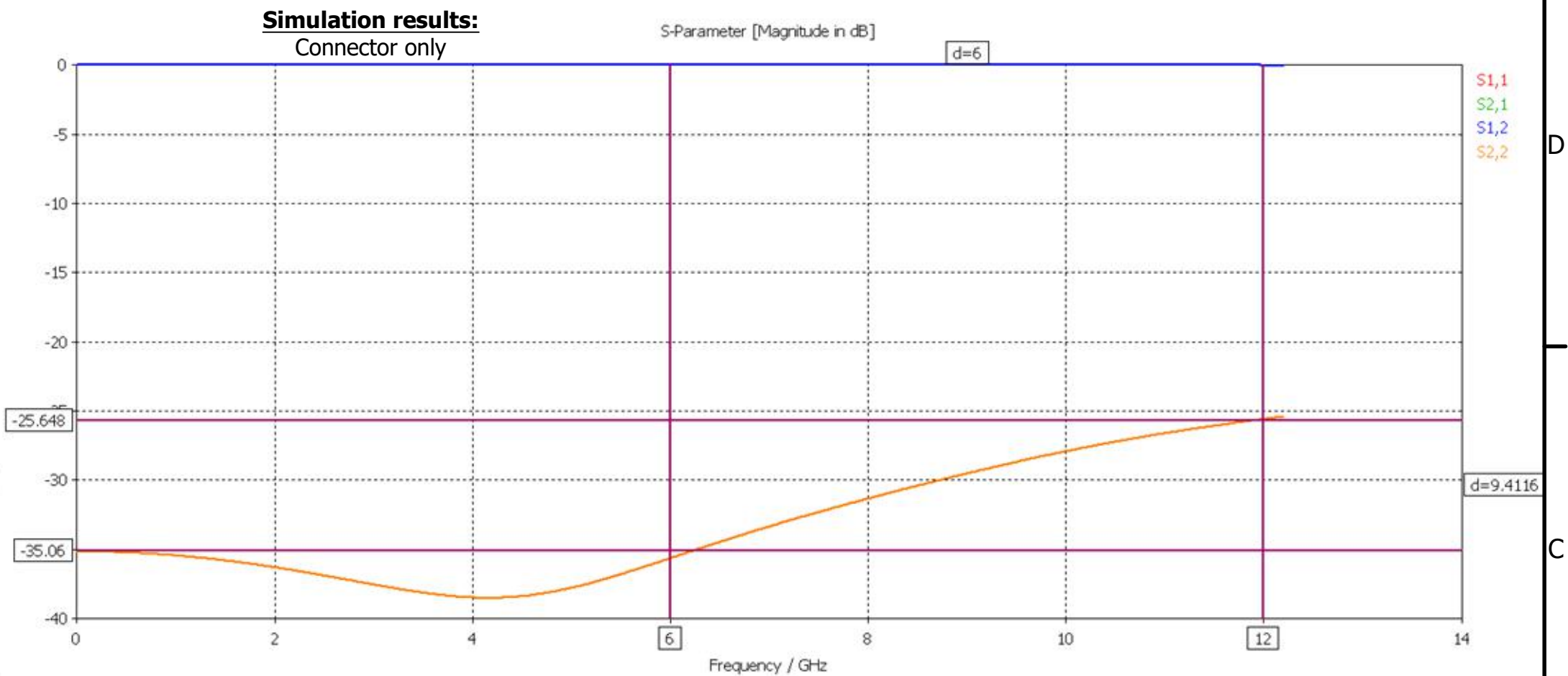
Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
						Unit of Measure: millimeters (mm)	
Third Angle Projection 	Designed by Peter Fayers	Checked by		Approved by		©2024 Date 29 Jan 2015	A3
RoHS Compliant	 CAMBRIDGE ELECTRONIC INDUSTRIES		This document and all the data contained 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: 75Ω BNC Socket 12GHz Top Entry 3 x 3.8mm Legs		
					Part No: XBS-12-TE38-NNI Cust		Issue 3.0 Sheet 1 / 2

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V _{RMS}
Dielectric withstanding voltage	1500 V _{RMS}
Reflection factor (VSWR)	1.04 MAX DC ~ 6.0 GHz 1.11 MAX DC ~ 12.0 GHz
Contact resistance	Centre contact ≤1.5 mΩ Outer contact ≤1.0 mΩ
Insulation resistance	≥5000 MΩ

Centre contact	Phosphor Bronze / Au plated
Metal parts	Brass / Ni plated
Insulators	Polytetrafluoroethylene

Temp ranges	-65 ~ +85°C
Mating cycles	250
Vibration	N/A
Salt spray	N/A

Hand solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Wave solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Reflow solder	Not recommended



Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE				
	Third Angle Projection 		Designed by Peter Fayers		Checked by	Approved by	©2024	Unit of Measure: millimeters (mm)	Date 29 Jan 2015	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: 75Ω BNC Socket 12GHz Top Entry 3 x 3.8mm Legs				
						Part No: XBS-12-TE38-NNI Cust			Issue 3.0	Sheet 2 / 2