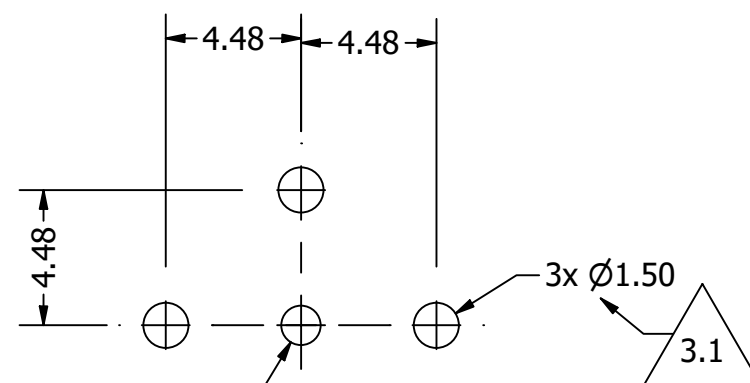
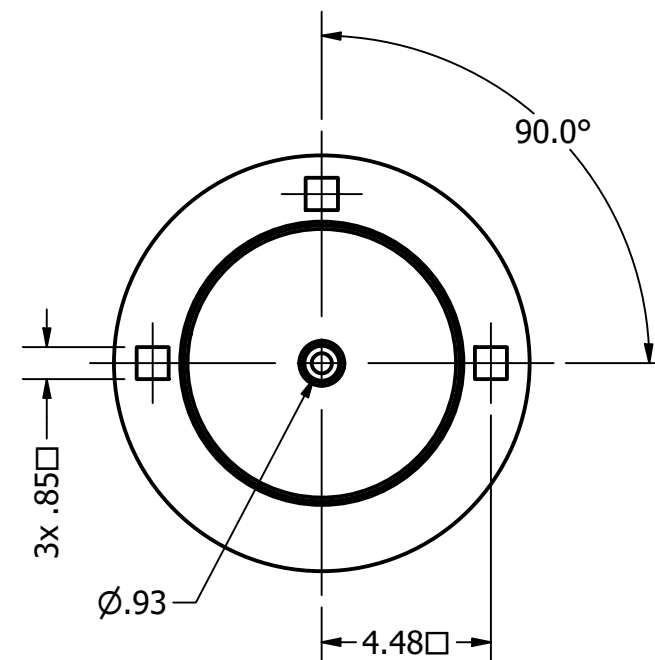
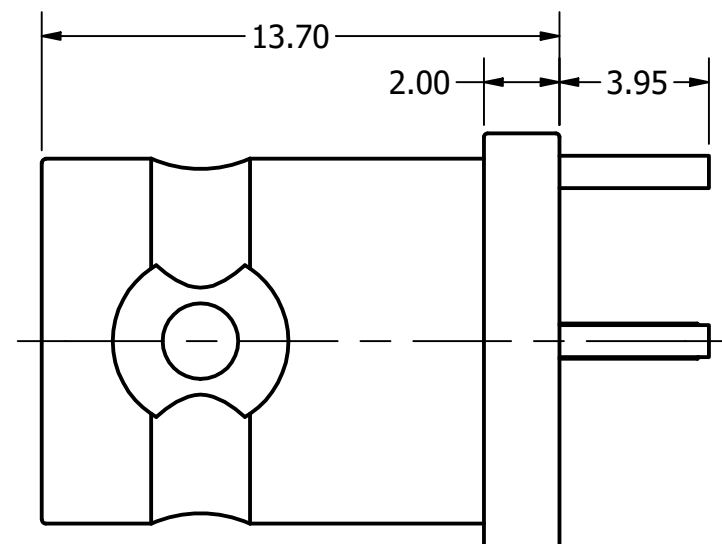
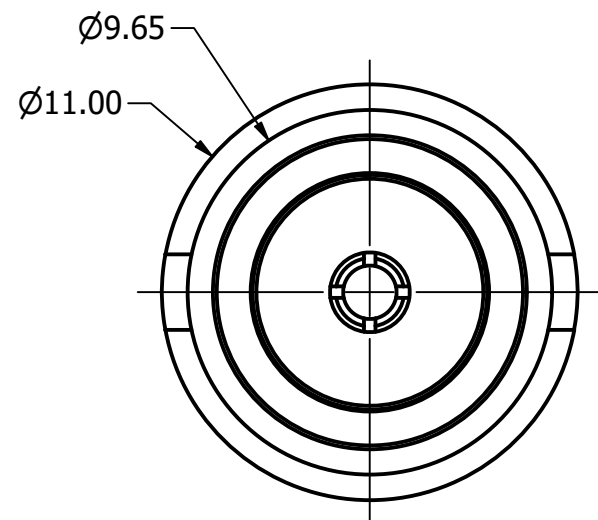
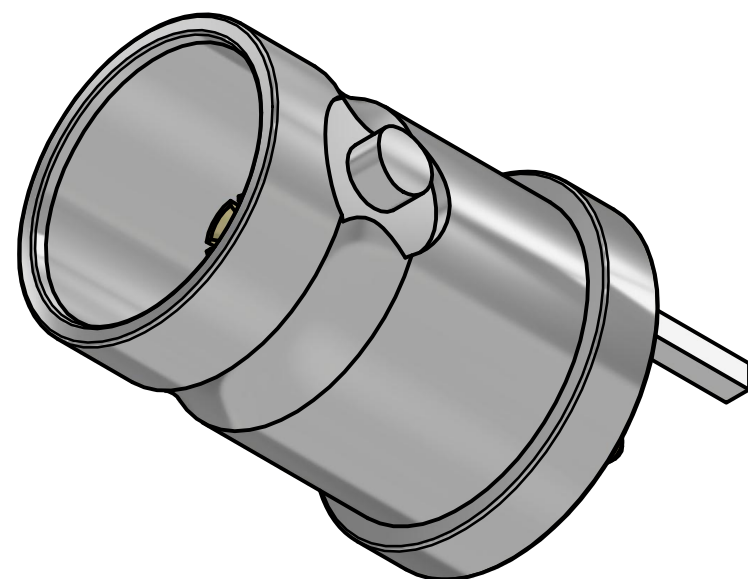




Recommended PCB footprint



REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	10 Mar 2025	Peter Millard
3.1	Updated PCB Footprint	FB / SUPP	14 Jul 2025	Peter Millard
3.2	Updated INS Tol	FB / SUPP	05 Nov 2025	Peter Millard

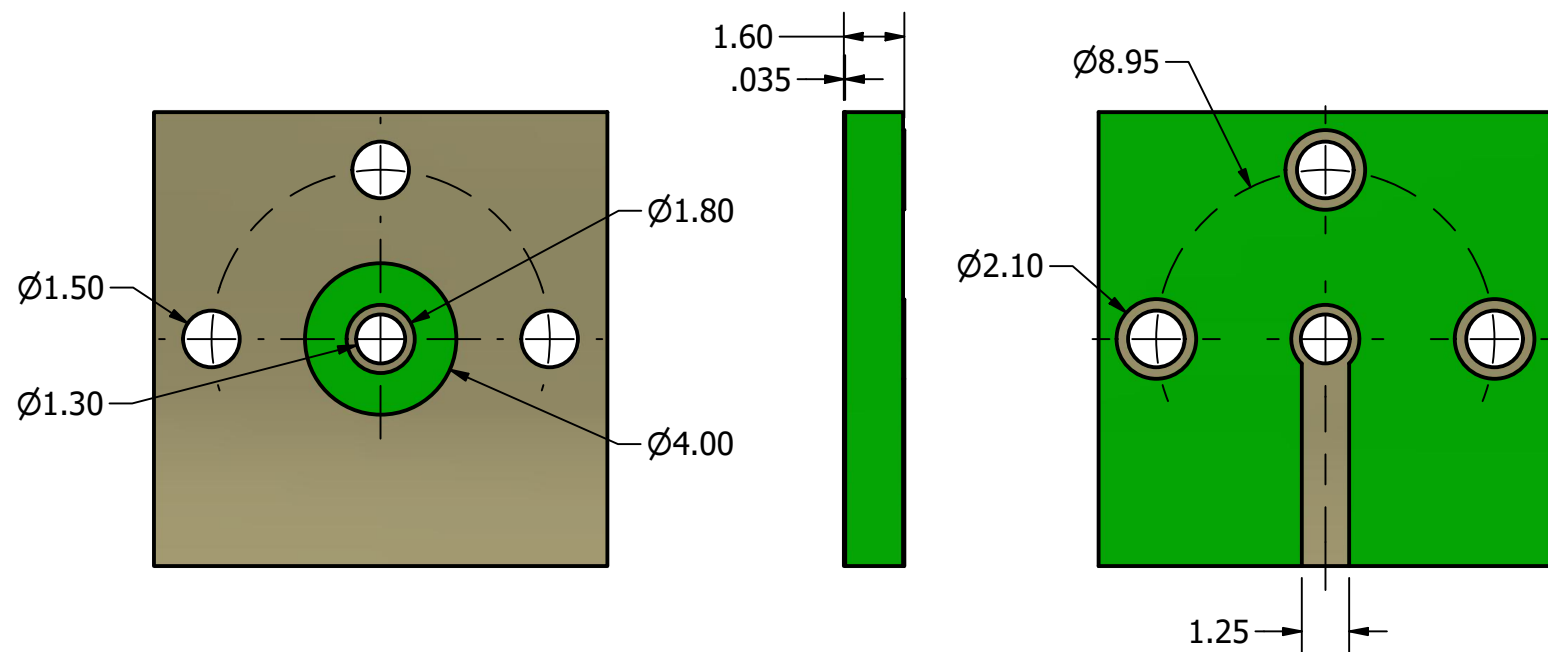
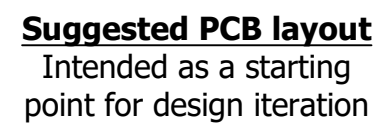
Design Right Protected	Material:		Finish:		Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by Peter Millard		Checked by		Approved by	©2024	Date 10/03/2025
RoHS Compliant	Third Angle Projection		Description: 75Ω BNC Socket 3GHz Top Entry, 3 x 3.9mm Legs		A3		
	CAMBRIDGE ELECTRONIC INDUSTRIES		Part No: XBS-03-TE39-NNI Cust		Issue 3.2	Sheet 1 / 2	

Impedance	75Ω
Frequency range	DC ~ 3.0 GHz
Working voltage	500 V _{RMS}
Dielectric withstanding voltage	1500 V _{RMS}
Reflection factor (VSWR)	1.03 MAX DC ~ 6.0 GHz 1.10 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	MIL-STD-202 method 204 test condition B
Salt spray	MIL-STD-202 method 101 test condition B

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 Angular ±2°	DO NOT SCALE	
	Third Angle Projection 		Designed by Peter Millard	Checked by	Approved by	©2024	Unit of Measure: millimeters (mm) Date 10/03/2025
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 3GHz Top Entry, 3 x 3.9mm Legs		
					Part No: XBS-03-TE39-NNI Cust		Issue 3.2