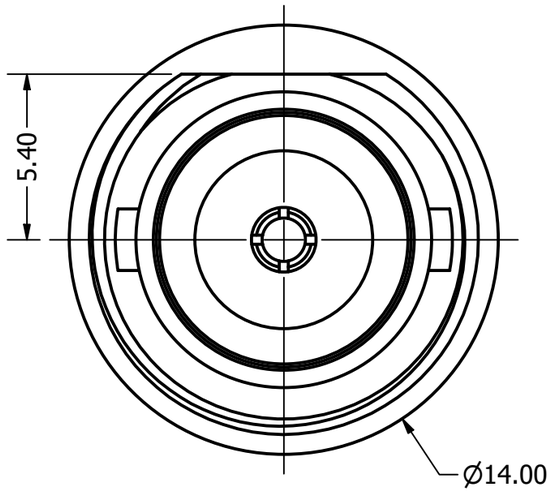
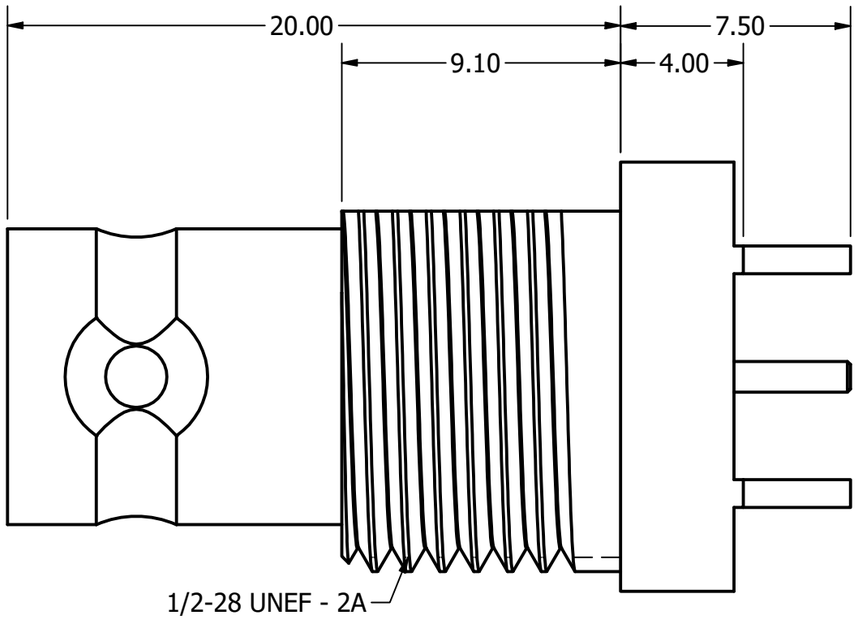
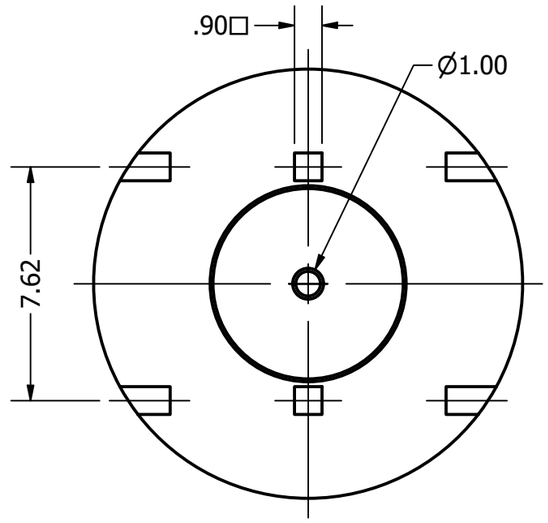
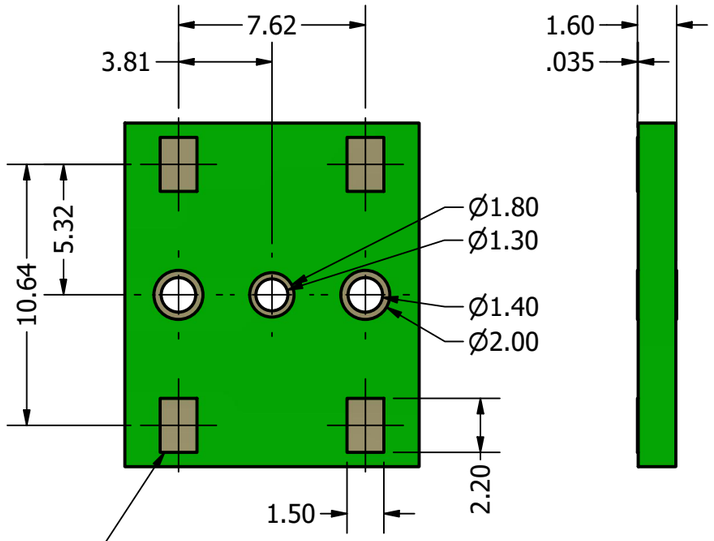
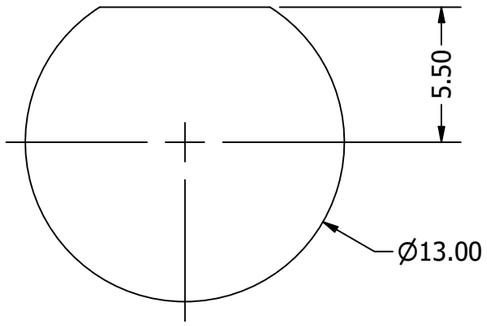




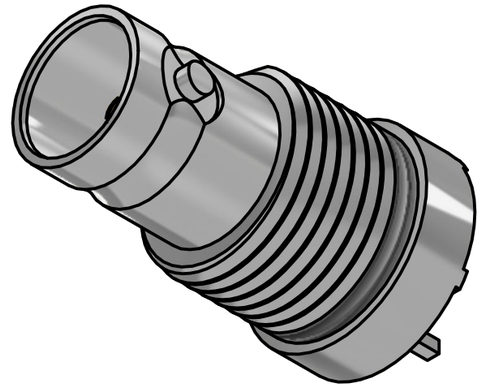




Recommended PCB footprint



Recommended panel cutout



REVISION HISTORY

REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	31 Oct 2024	Peter Millard
3.1	Updated INS TOL	16 Apr 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 P. Fayers	Checked by	Approved by	©2024	Date 15 Dec 2009	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: 75Ω BNC Socket 6GHz Top Entry Bulkhead, 2 x 3.5mm Legs			
			Part No: XBS-06-TB35-NN Cust	Issue 3.1	Sheet 1 / 2	

Simulation results:
Connector only



Electrical:

Impedance	75Ω
Frequency range	DC ~ 6.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1500 V_{RMS}
Reflection factor (VSWR)	1.07 MAX DC ~ 3.0 GHz
	1.20 MAX DC ~ 6.0 GHz
Contact resistance	Centre contact ≤1.5 mΩ
	Outer contact ≤1.0 mΩ
Insulation resistance	≥5000 MΩ

Materials:

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

Environmental:

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

Processing:

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 P. Fayers	Checked by	Approved by	©2024	Date 15/12/2009	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: 75Ω BNC Socket 6GHz Top Entry Bulkhead, 2 x 3.5mm Legs			
			Part No: XBS-06-TB35-NN Cust	Issue 3.1	Sheet 2 / 2	