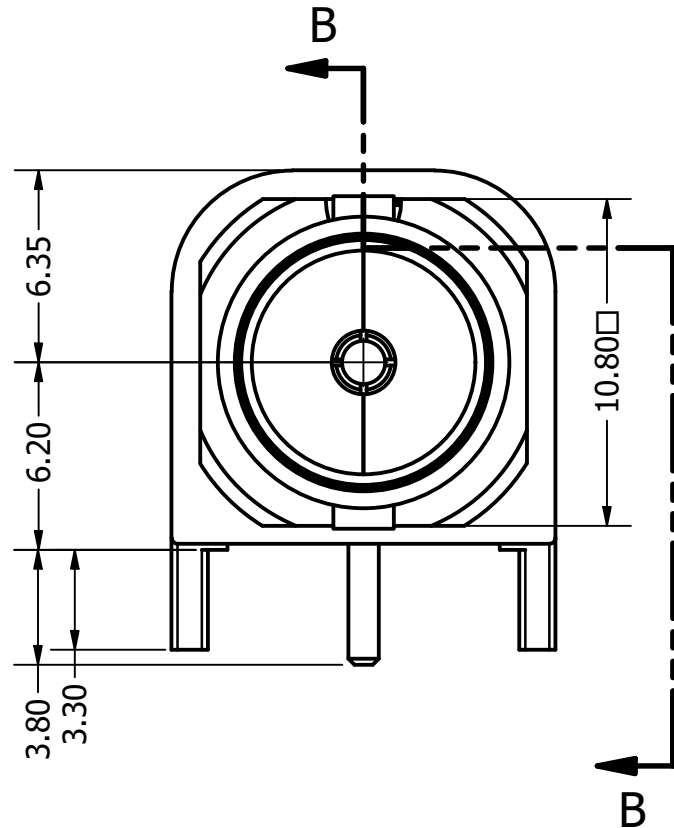
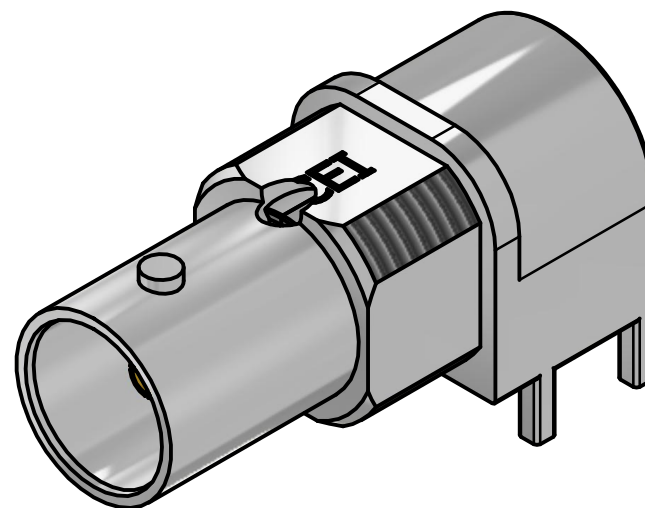
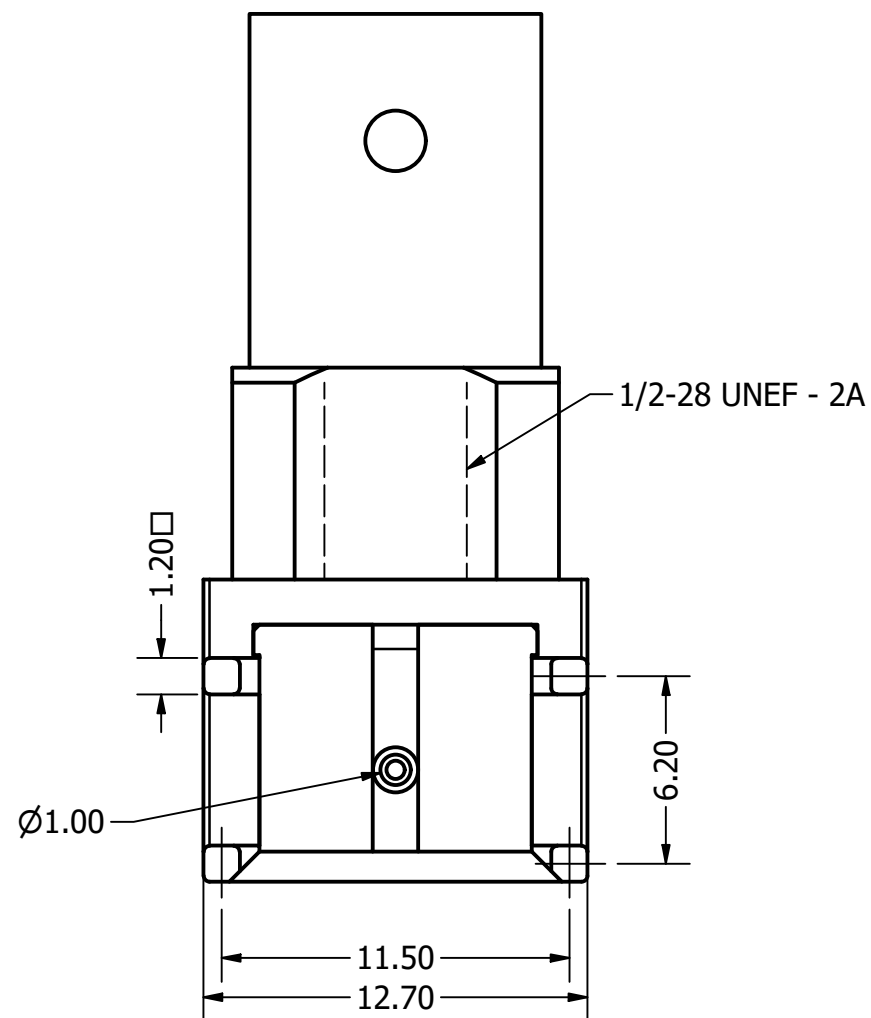
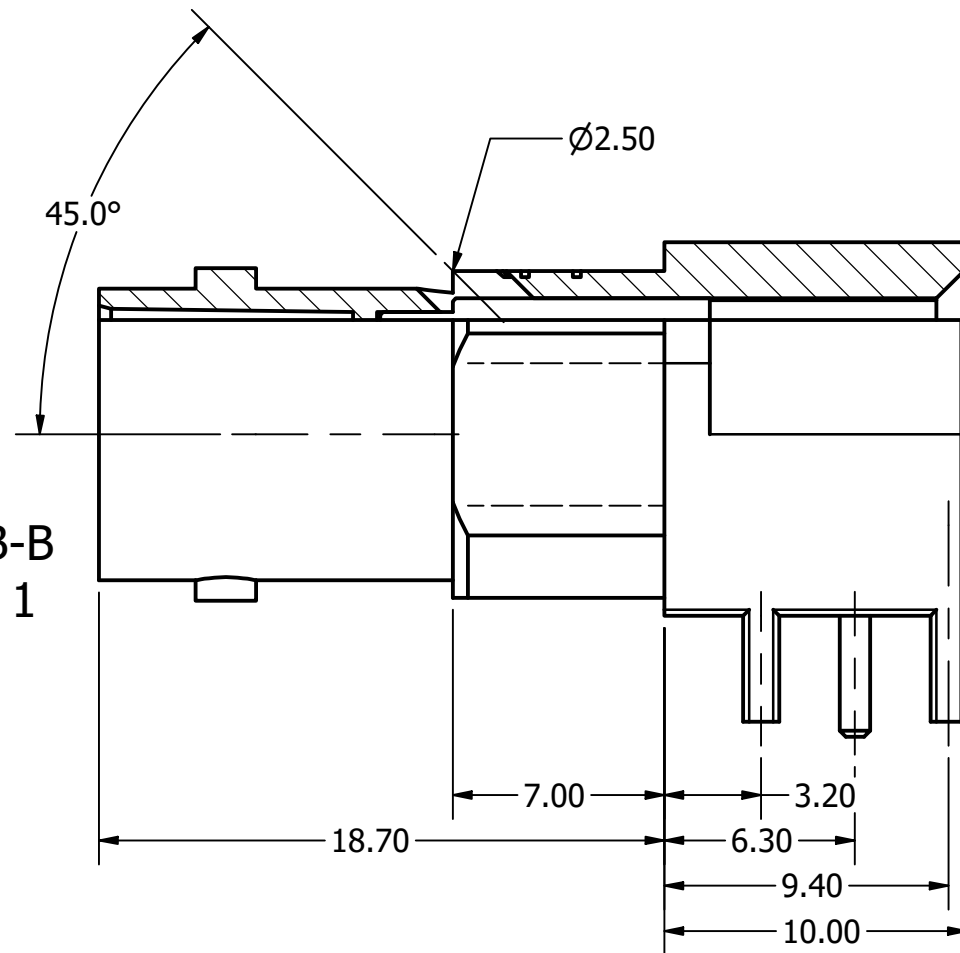




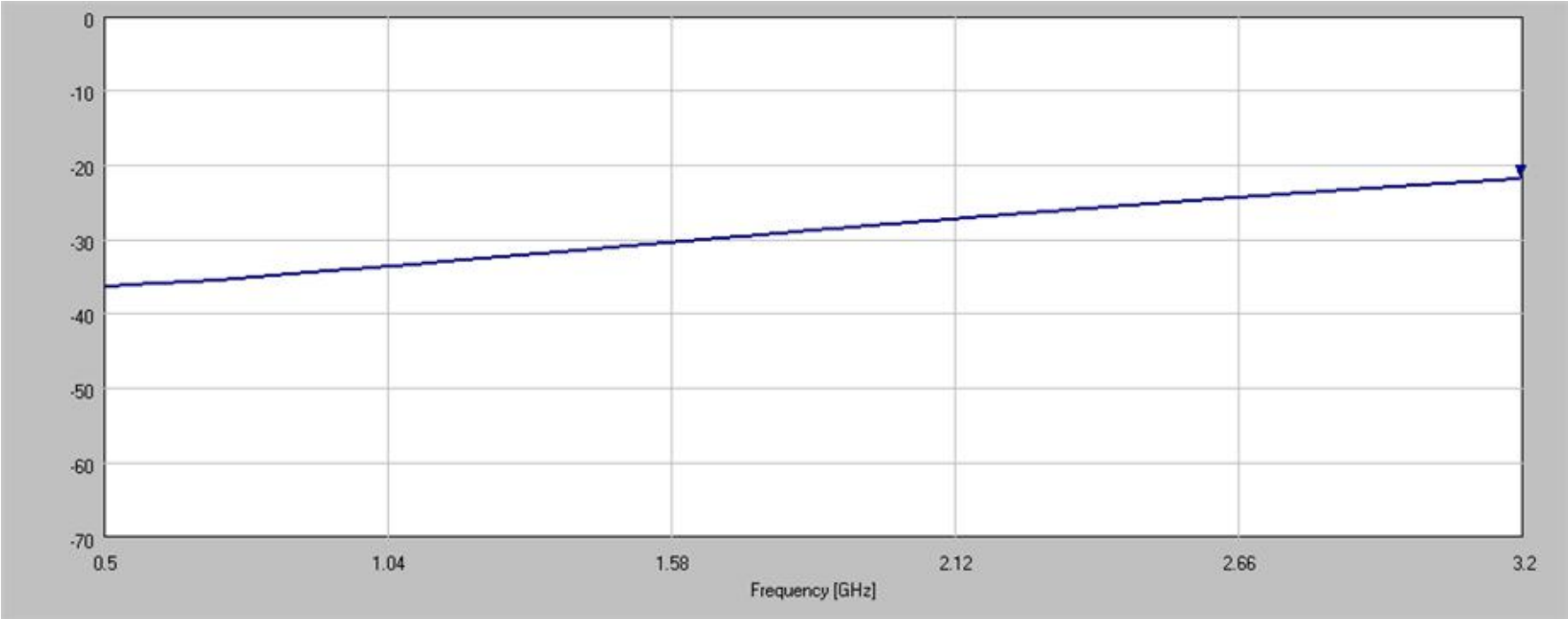
SECTION B-B
SCALE 4 : 1



REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	14 Feb 2024	Peter Millard
3.1	Updated INS drawing for clarity	15 Apr 2025	Peter Millard
3.2	Clarified contact dimension	21/08/2025	Martin Smith
3.3	Clarified Interface Dimension	28/08/2025	Martin Smith

Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
	Third Angle Projection		©2024		Unit of Measure: millimeters (mm)		
RoHS Compliant	Designed by Peter Fayers	Checked by Peter Fayers	Approved by Peter Fayers	Date 09 Apr 2009		A3	
			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 Right Angle Bulkhead, 3.3mm Leg with Pathfinder & Top Viewport		
				Part No: XBS-03-RB33-NNT Cust		Issue 3.3	Sheet 1 / 2

Simulation results:
Including PCB element



Electrical:

Impedance	75Ω
Frequency range	DC ~ 3.0 GHz
Working voltage	500 V _{RMS}
Dielectric withstanding voltage	1500 V _{RMS}
Reflection factor (VSWR)	1.10 MAX DC ~ 1.5 GHz 1.20 MAX DC ~ 3.0 GHz
Contact resistance	Centre contact ≤1.5 mΩ Outer contact ≤1.0 mΩ
Insulation resistance	≥5000 MΩ

Materials:

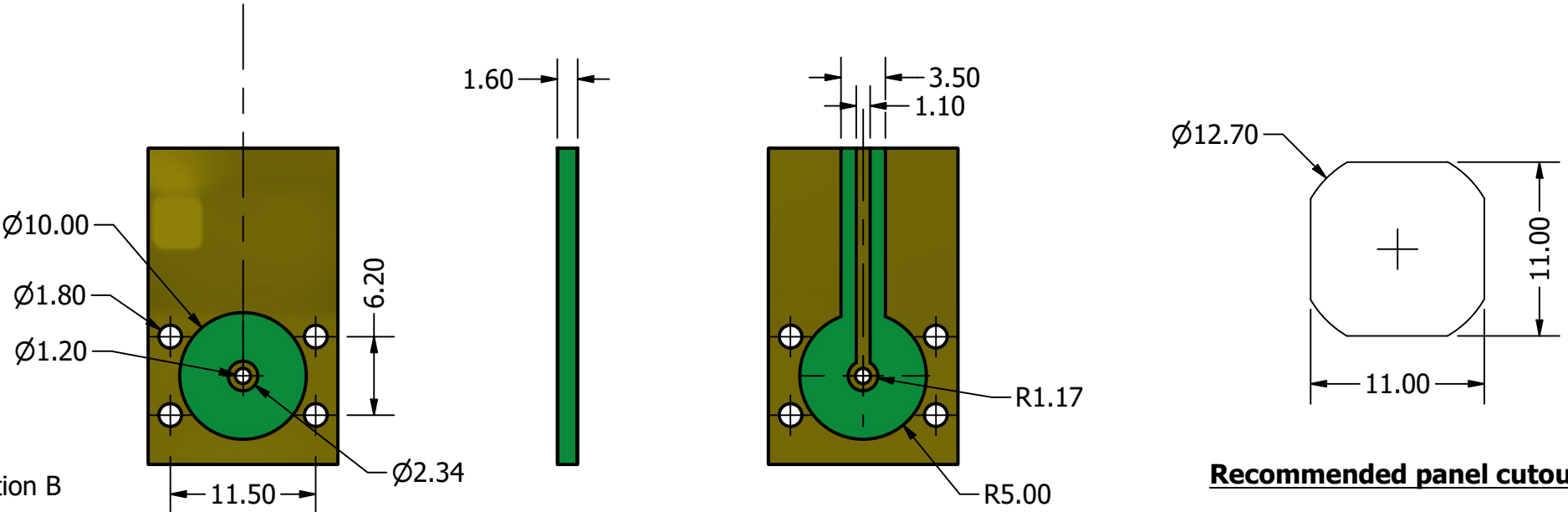
Centre contact	Phosphor Bronze / Au plated
Metal parts	Zinc Alloy / Ni plated
Insulators	TPX

Environmental:

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

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 Third Angle Projection 	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
	Designed by Peter Fayers		Checked by Peter Fayers		Approved by Peter Fayers	©2024	Unit of Measure: millimeters (mm)
RoHS Compliant	Description: 75Ω BNC Socket 3GHz Right Angle Bulkhead, 3.3mm Leg with Pathfinder & Top Viewport		Part No: XBS-03-RB33-NNT Cust		Issue 3.3		Sheet 2 / 2
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