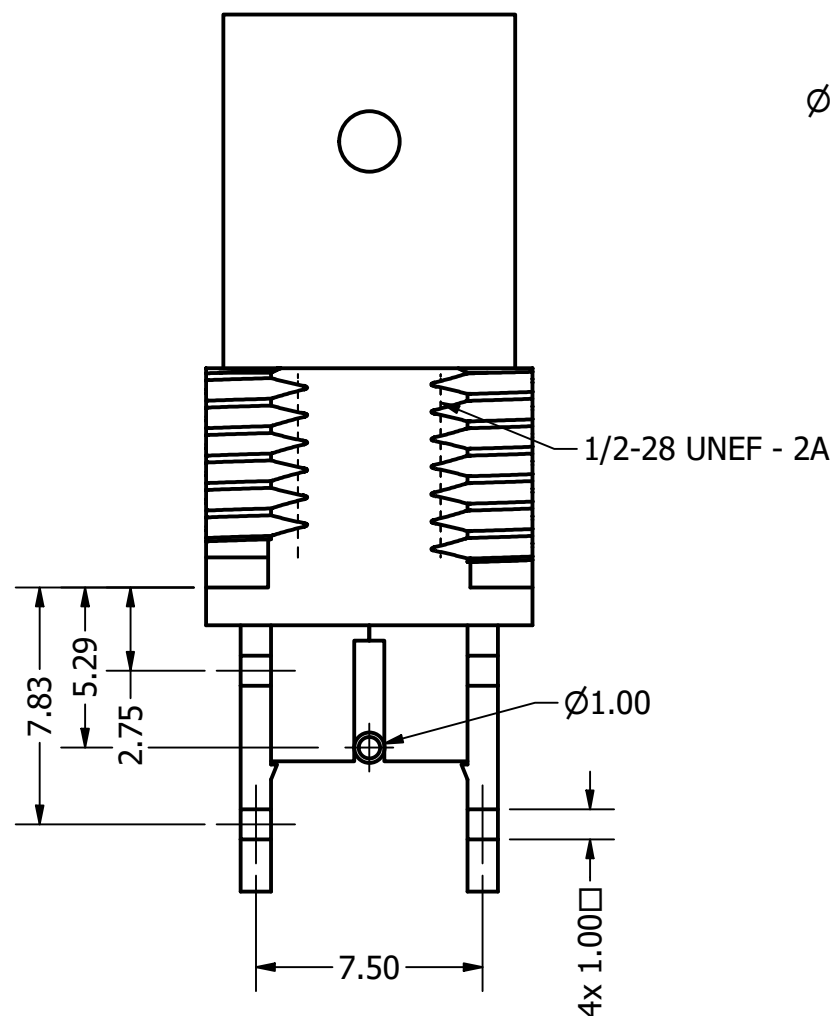
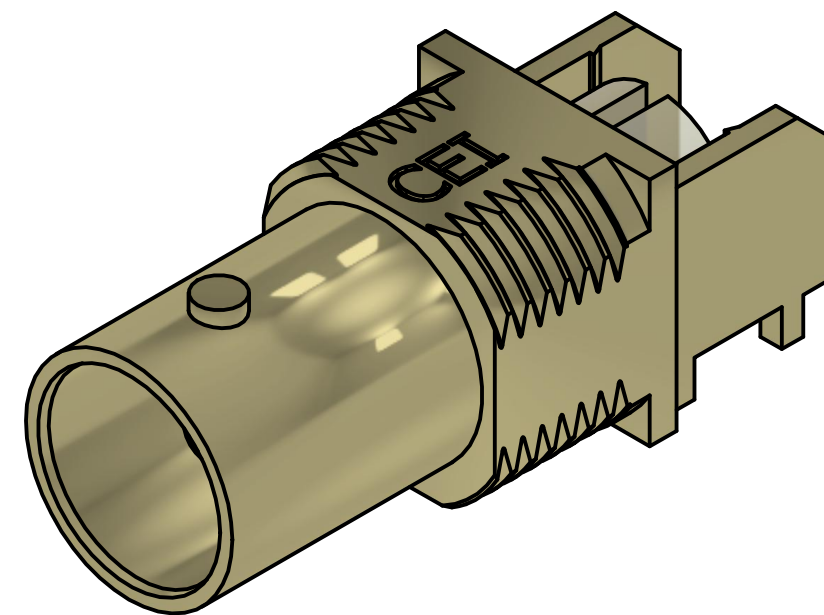
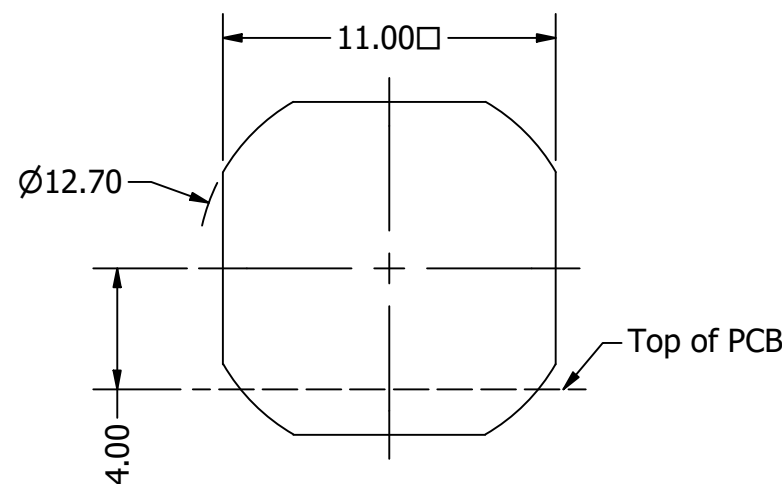
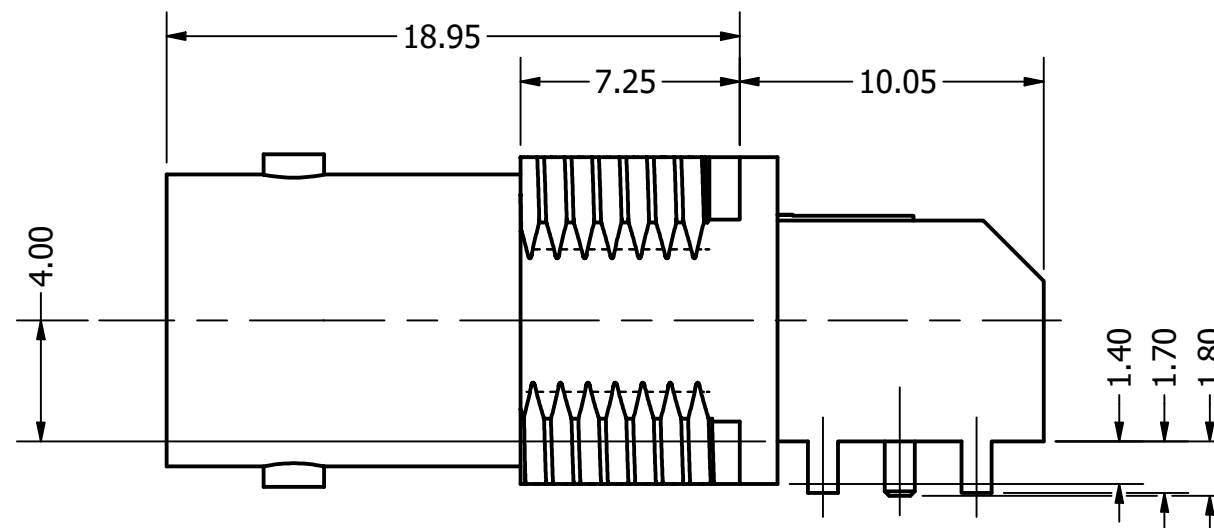
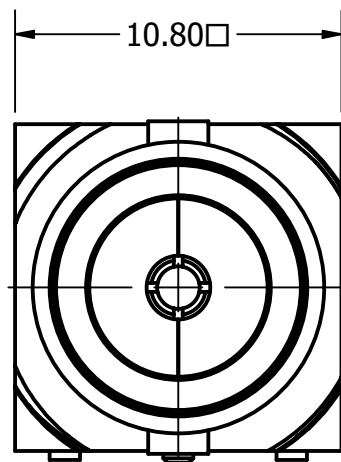
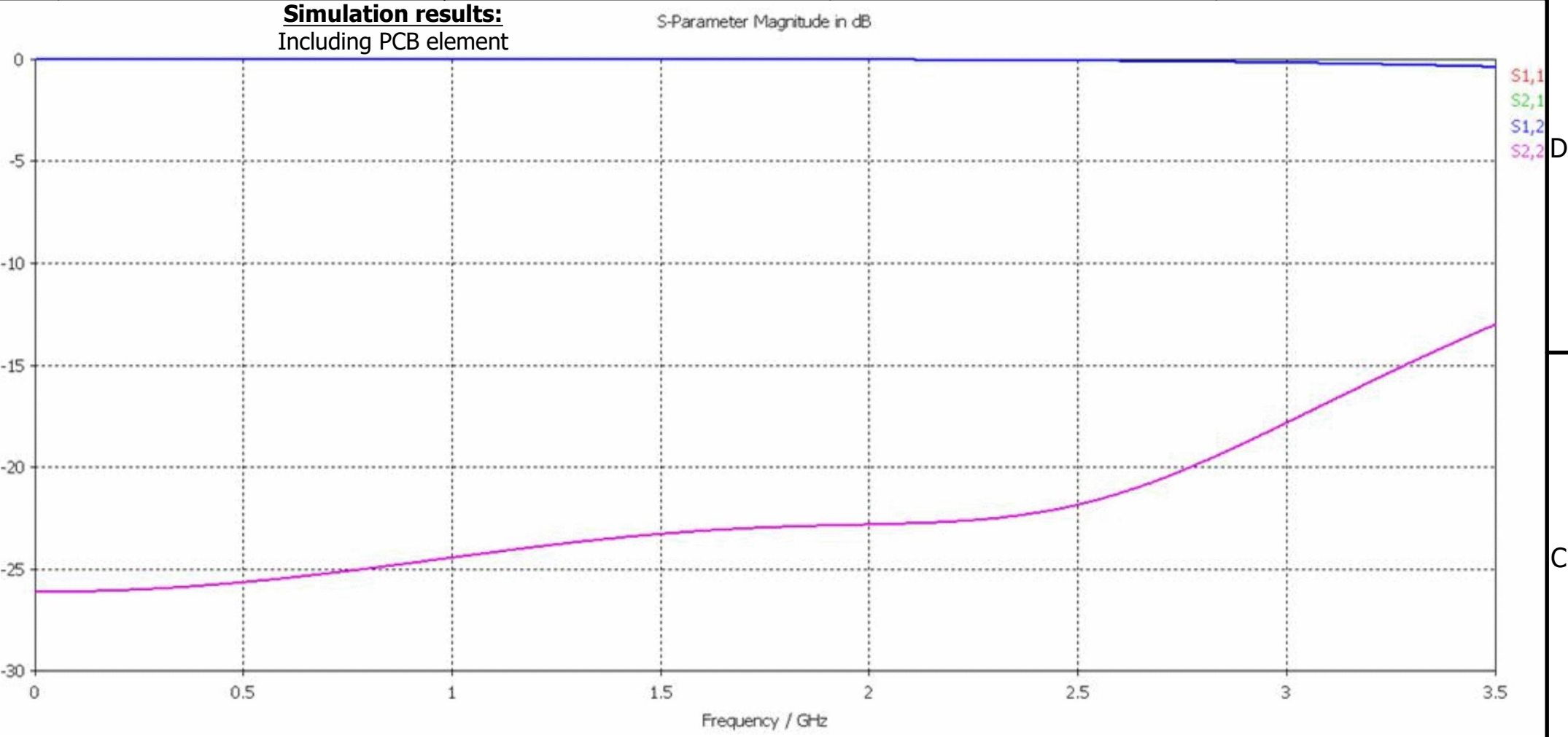




REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	03 Oct 2024	Peter Millard
3.1	Updated PCB layout	FB / SUPP	04 Mar 2025	Peter Millard
3.2	Updated INS TOL	FB / SUPP	22 Jul 2025	Peter Millard
3.3	Added Interface Dimension	FB / INT	03/11/2025	Martin Smith

Design Right Protected	Material:		Finish:		Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by P. Fayers		Checked by		Approved by	©2024	Unit of Measure: millimeters (mm)
Third Angle Projection	Description: 75Ω BNC Socket 3GHz Right Angle Bulkhead, 1.7mm Leg with Pathfinder		Part No: XBS-03-RB17-GGV Cust		Issue 3.3		Sheet 1 / 2
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.		Date 20 Aug 2008		A3



Electrical:

Impedance	75Ω
Frequency range	DC ~ 3.0 GHz
Working voltage	500 V _{RMS}
Dielectric withstanding voltage	1500 V _{RMS}
Reflection factor (VSWR)	1.15 MAX DC ~ 1.5 GHz 1.33 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 / Au plated
Insulators	TPX

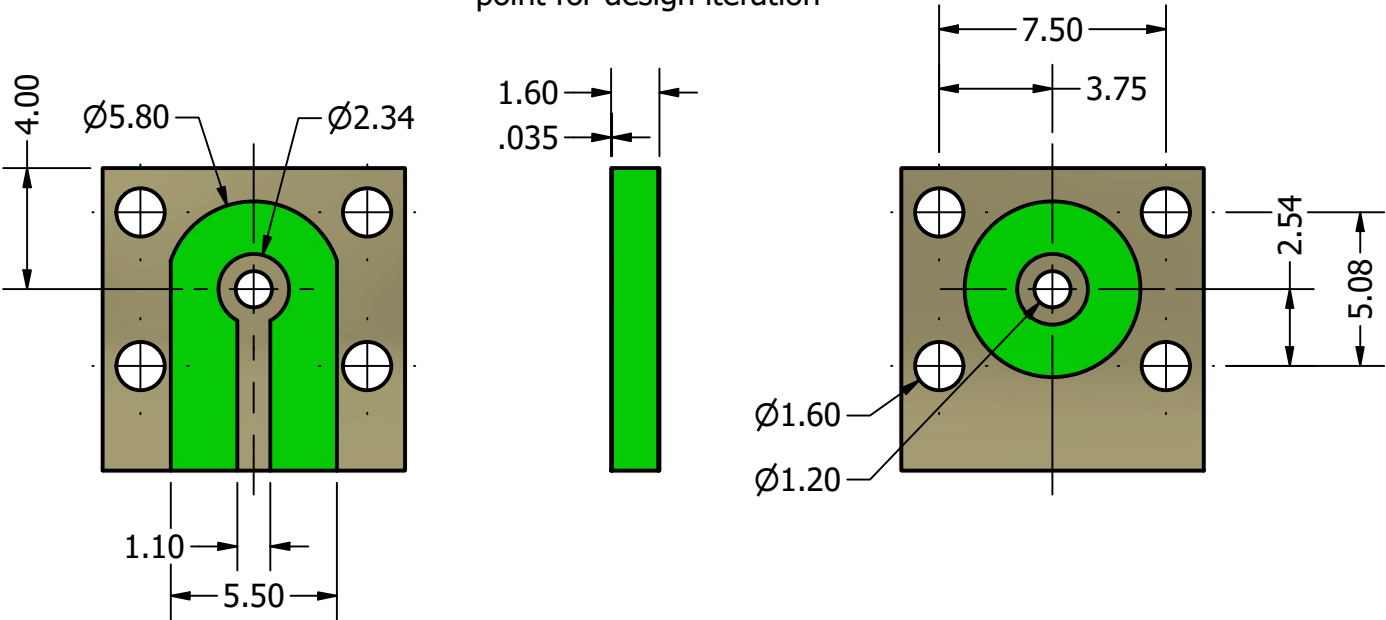
Environmental:

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

Suggested PCB layout
Intended as a starting point for design iteration



Design Right Protected Third Angle Projection	Material:		Finish:		Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by P. Fayers		Checked by		Approved by	©2024	Unit of Measure: millimeters (mm)
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