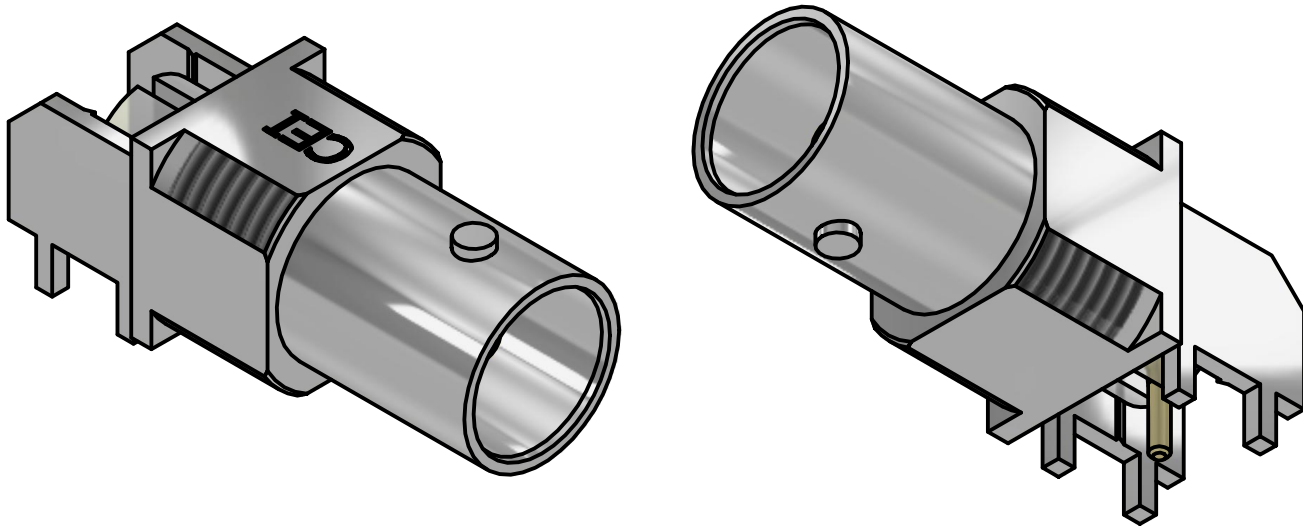
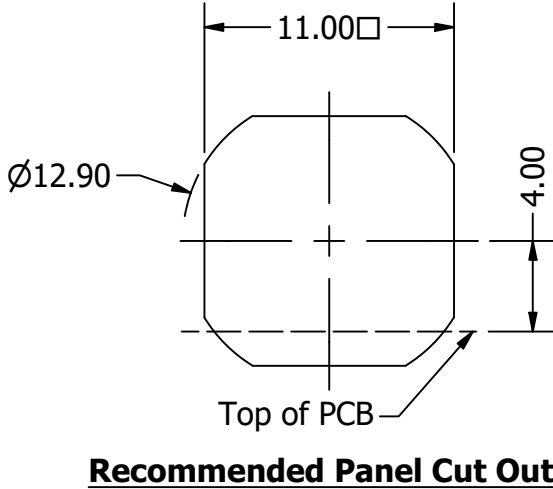
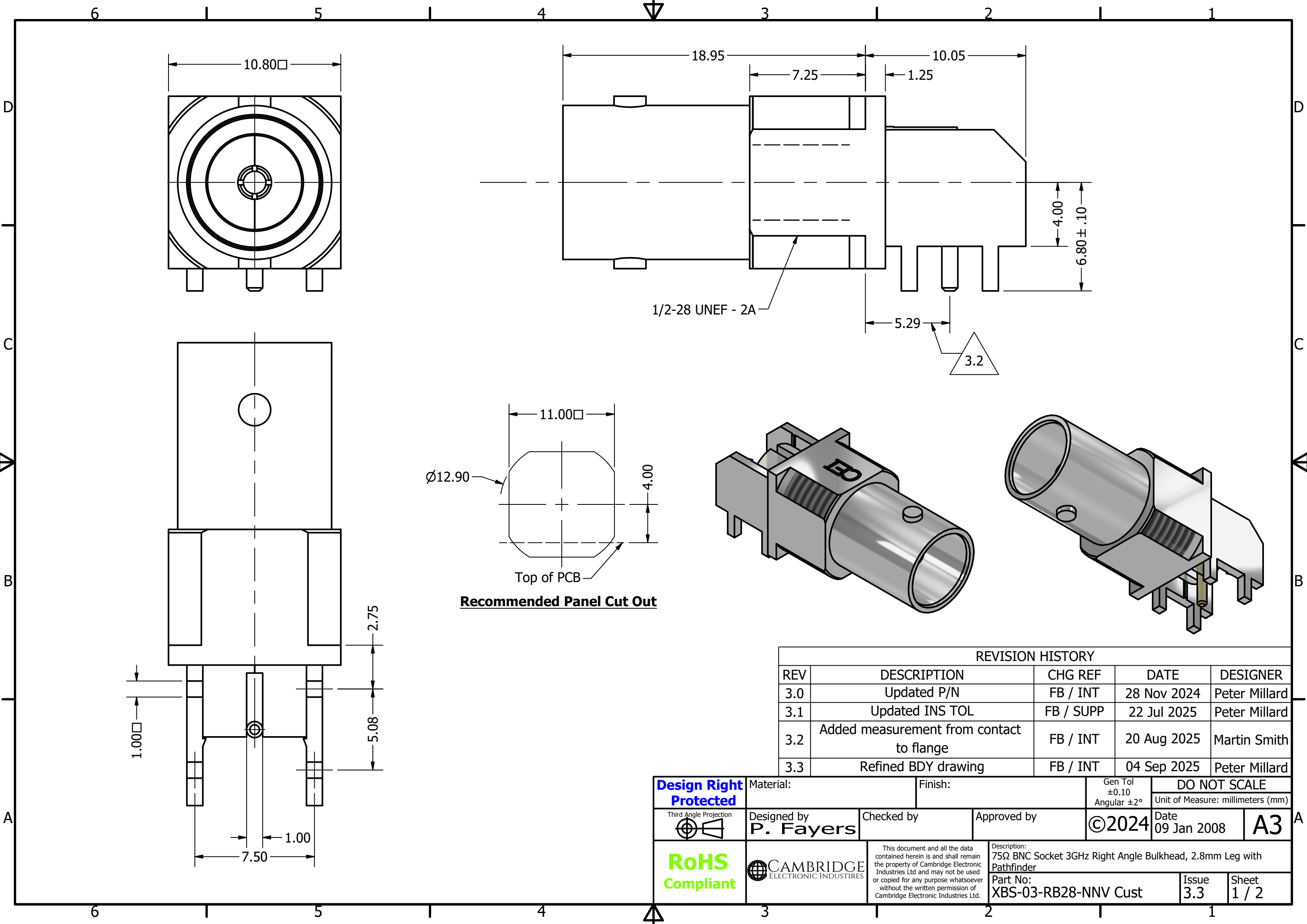
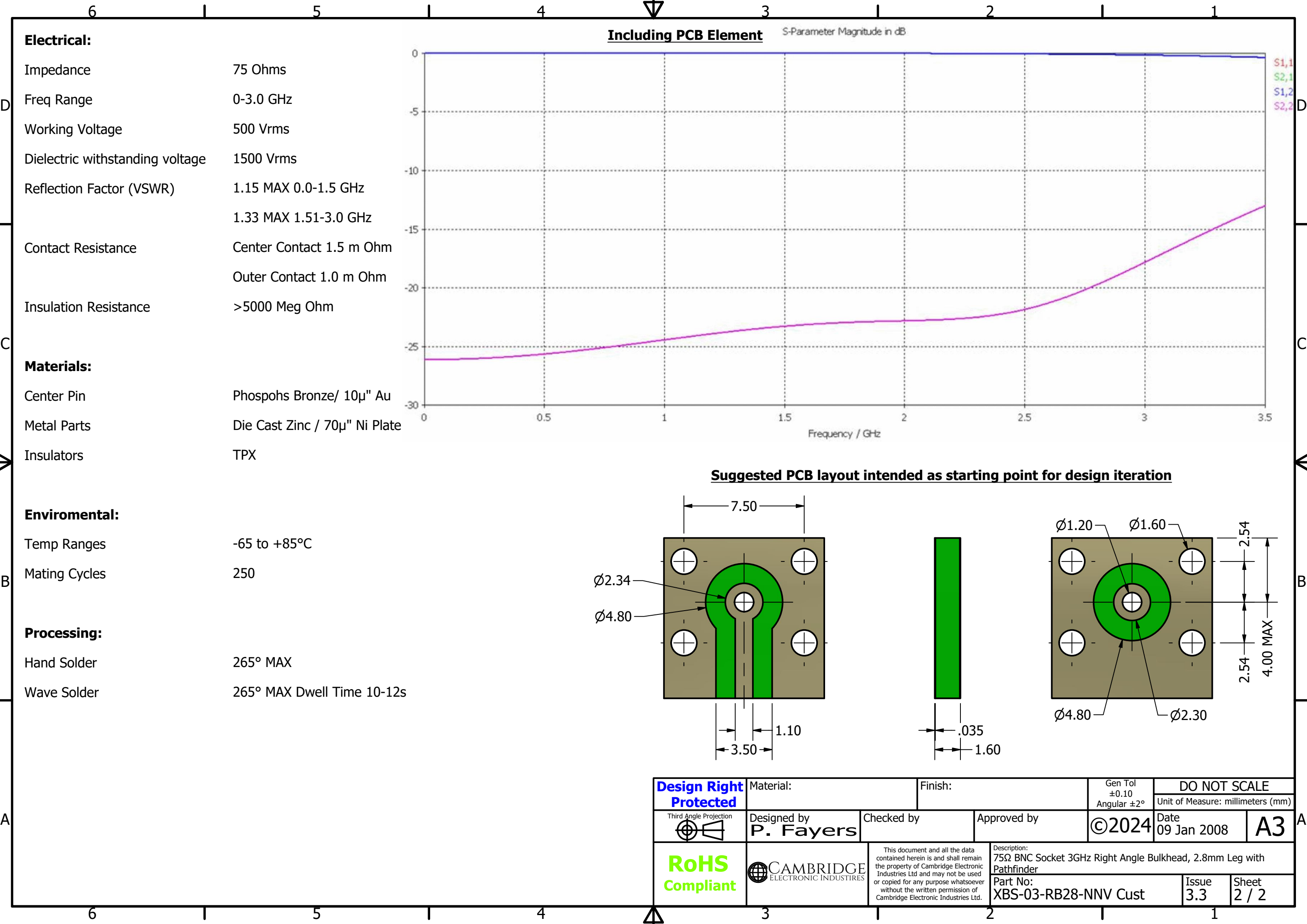




REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	28 Nov 2024	Peter Millard
3.1	Updated INS TOL	FB / SUPP	22 Jul 2025	Peter Millard
3.2	Added measurement from contact to flange	FB / INT	20 Aug 2025	Martin Smith
3.3	Refined BDY drawing	FB / INT	04 Sep 2025	Peter Millard

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 09 Jan 2008	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 3GHz Right Angle Bulkhead, 2.8mm Leg with Pathfinder			
					Part No: XBS-03-RB28-NNV Cust		Issue 3.3	Sheet 1 / 2



Electrical:

Impedance 75 Ohms

Freq Range 0-3.0 GHz

Working Voltage 500 Vrms

Dielectric withstanding voltage 1500 Vrms

Reflection Factor (VSWR) 1.15 MAX 0.0-1.5 GHz
1.33 MAX 1.51-3.0 GHz

Contact Resistance Center Contact 1.5 m Ohm
Outer Contact 1.0 m Ohm

Insulation Resistance >5000 Meg Ohm

Materials:

Center Pin Phospohs Bronze/ 10μ" Au

Metal Parts Die Cast Zinc / 70μ" Ni Plate

Insulators TPX

Enviromental:

Temp Ranges -65 to +85°C

Mating Cycles 250

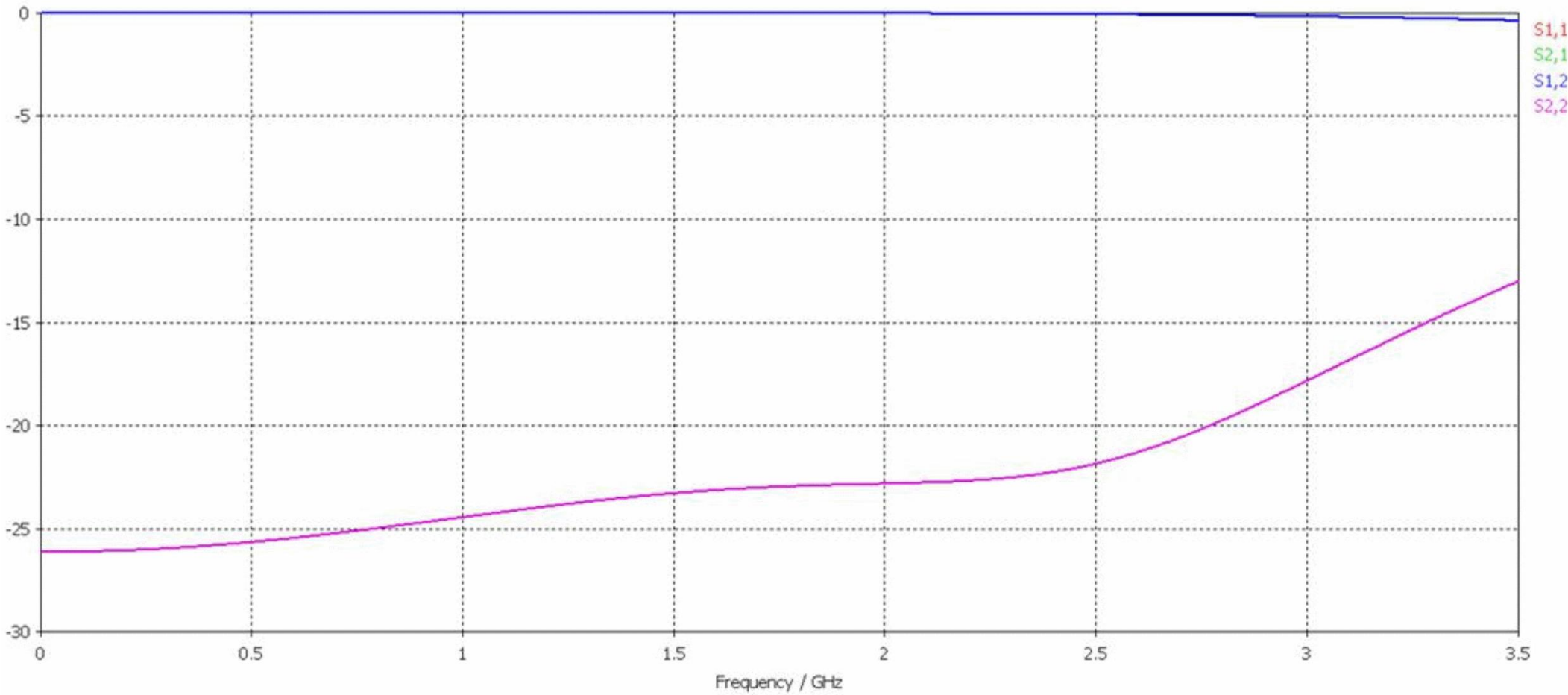
Processing:

Hand Solder 265° MAX

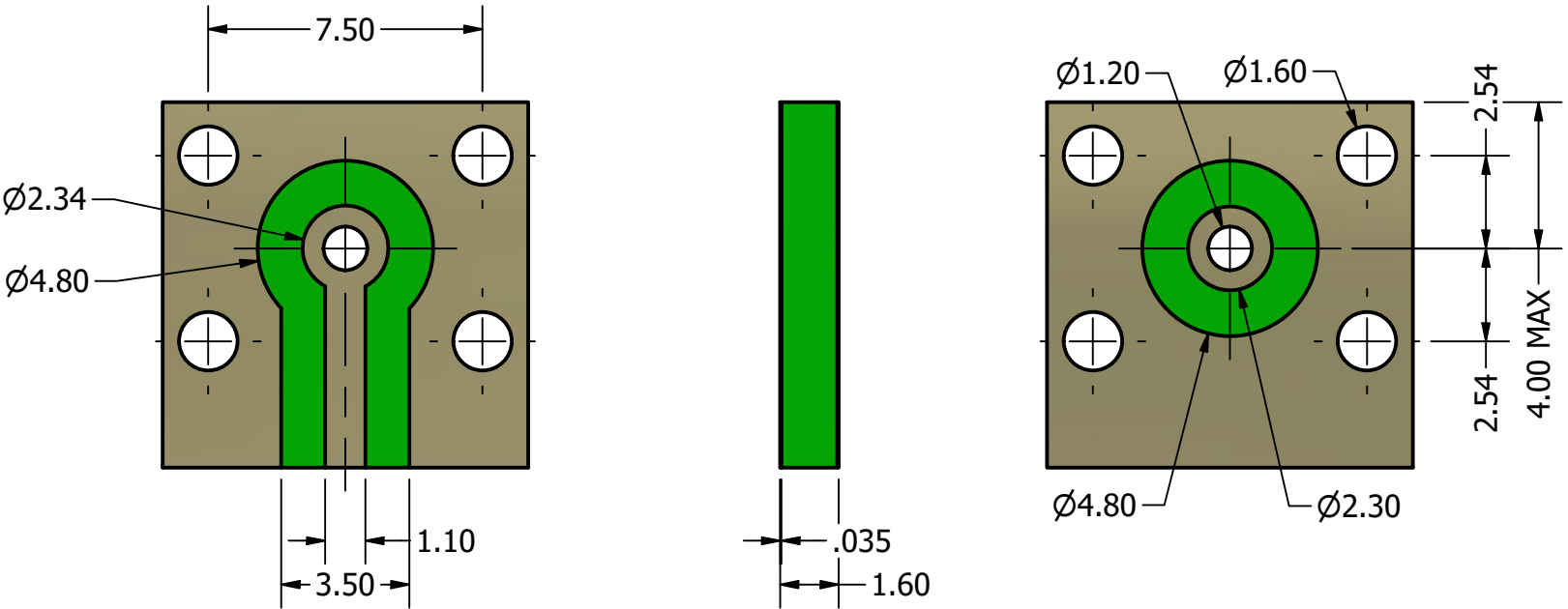
Wave Solder 265° MAX Dwell Time 10-12s

Including PCB Element

S-Parameter Magnitude in dB



Suggested PCB layout intended as starting point for design iteration



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 09 Jan 2008	A3
RoHS Compliant			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, 2.8mm Leg with Pathfinder			
					Part No: XBS-03-RB28-NNV Cust		Issue 3.3	Sheet 2 / 2