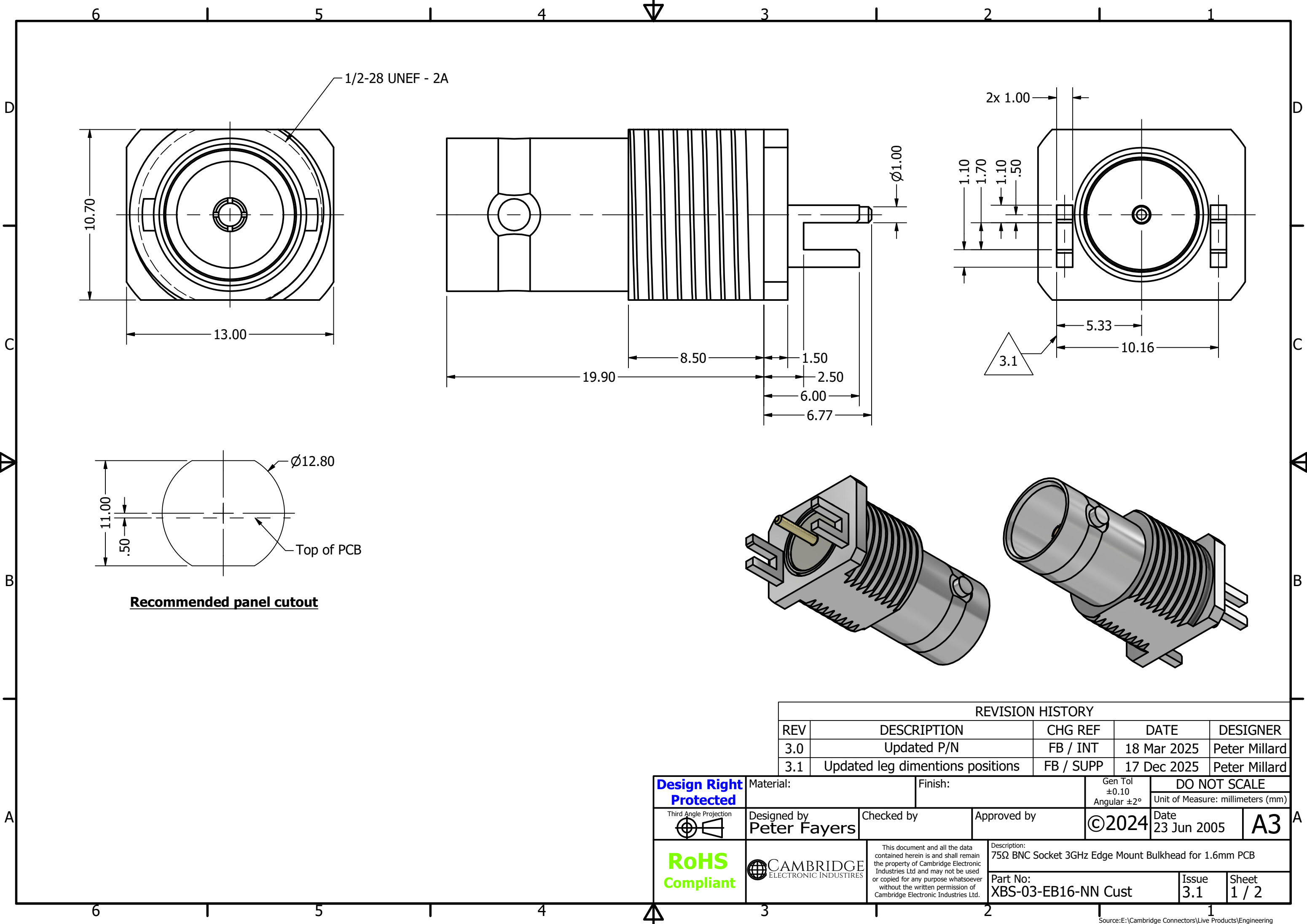
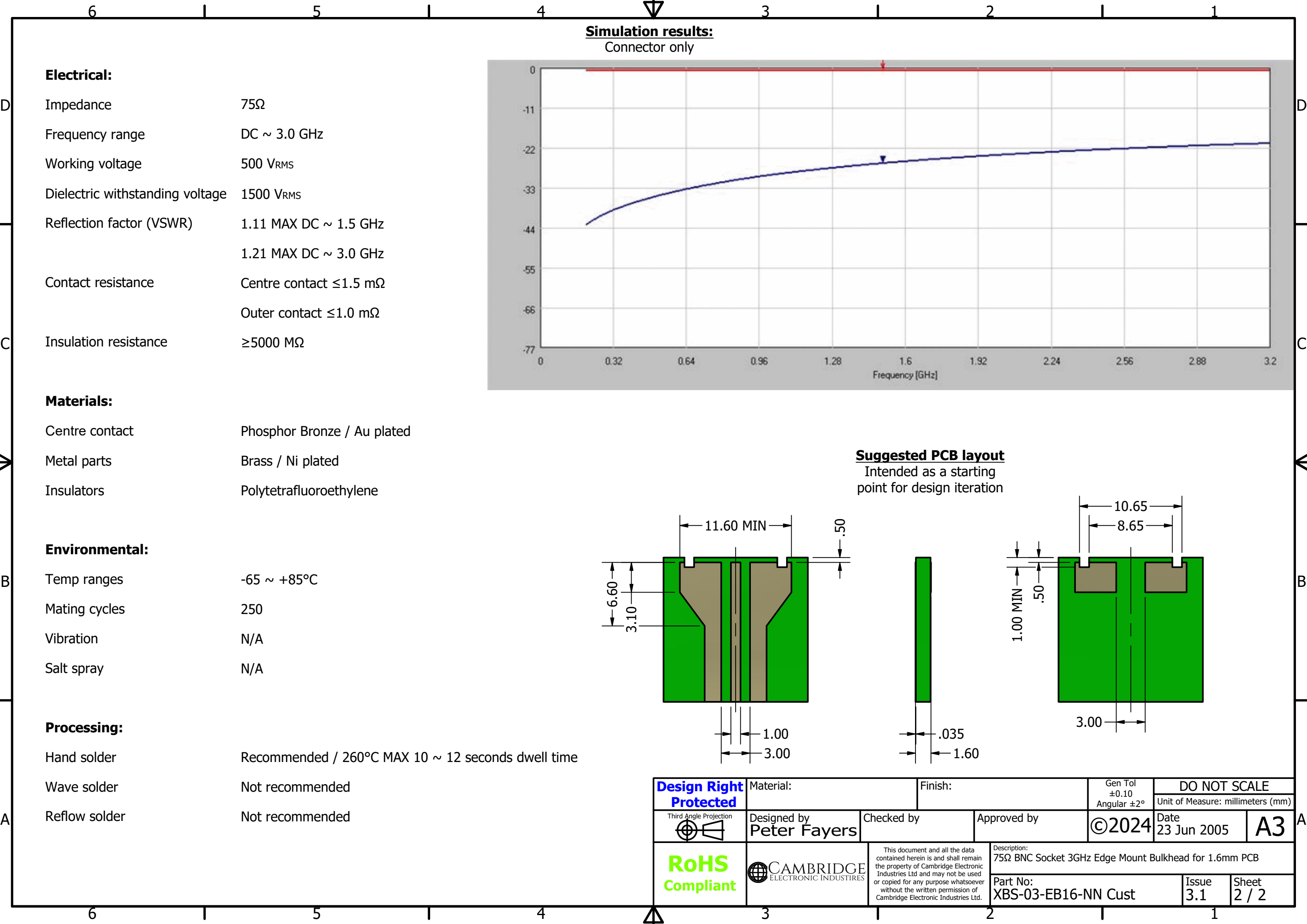




Recommended panel cutout

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	18 Mar 2025	Peter Millard
3.1	Updated leg dimentions positions	FB / SUPP	17 Dec 2025	Peter Millard

Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
	Designed by Peter Fayers		Checked by		Angular ±2°	Unit of Measure: millimeters (mm)	
Third Angle Projection	Description: 75Ω BNC Socket 3GHz Edge Mount Bulkhead for 1.6mm PCB		Approved by		©2024	Date 23 Jun 2005	A3
RoHS Compliant	Part No: XBS-03-EB16-NN Cust		Issue 3.1		Sheet 1 / 2		



Electrical:

Impedance	75Ω
Frequency range	DC ~ 3.0 GHz
Working voltage	500 V _{RMS}
Dielectric withstanding voltage	1500 V _{RMS}
Reflection factor (VSWR)	1.11 MAX DC ~ 1.5 GHz 1.21 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	Brass / Ni plated
Insulators	Polytetrafluoroethylene

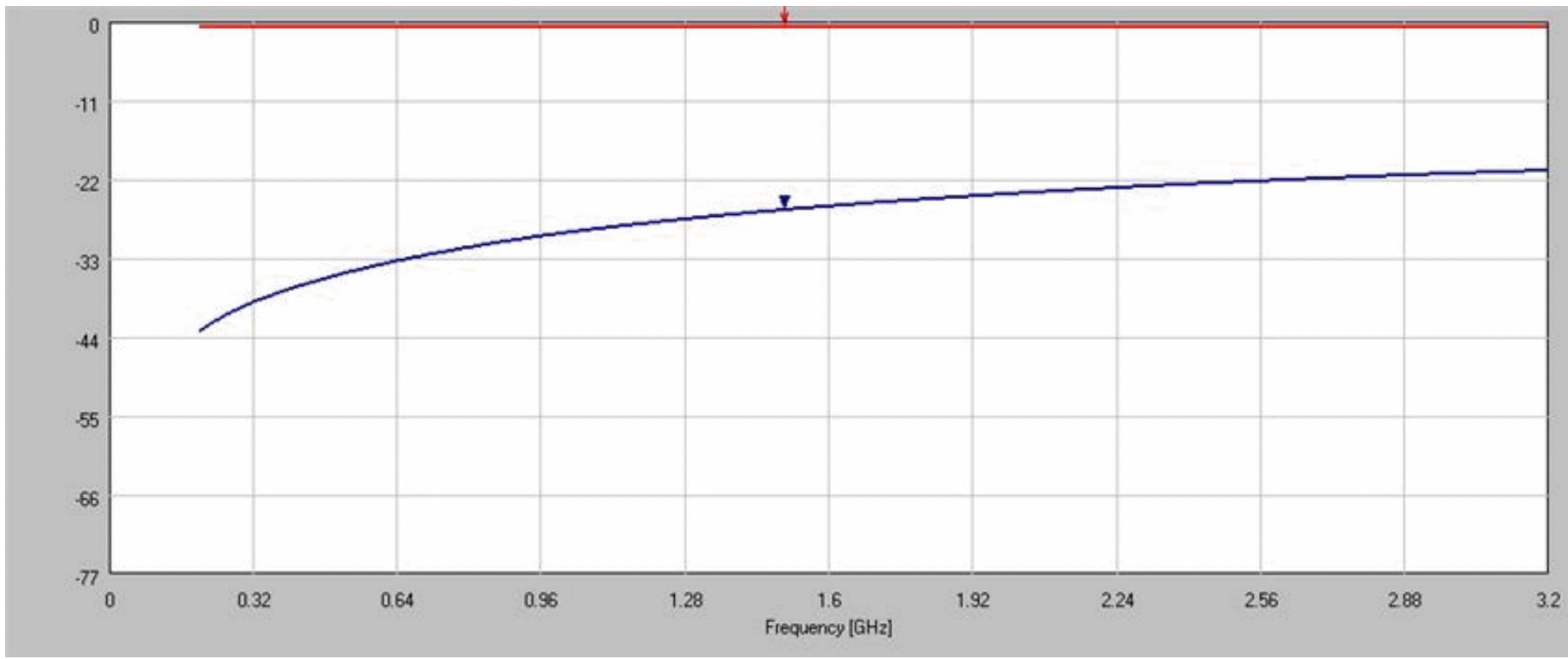
Environmental:

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

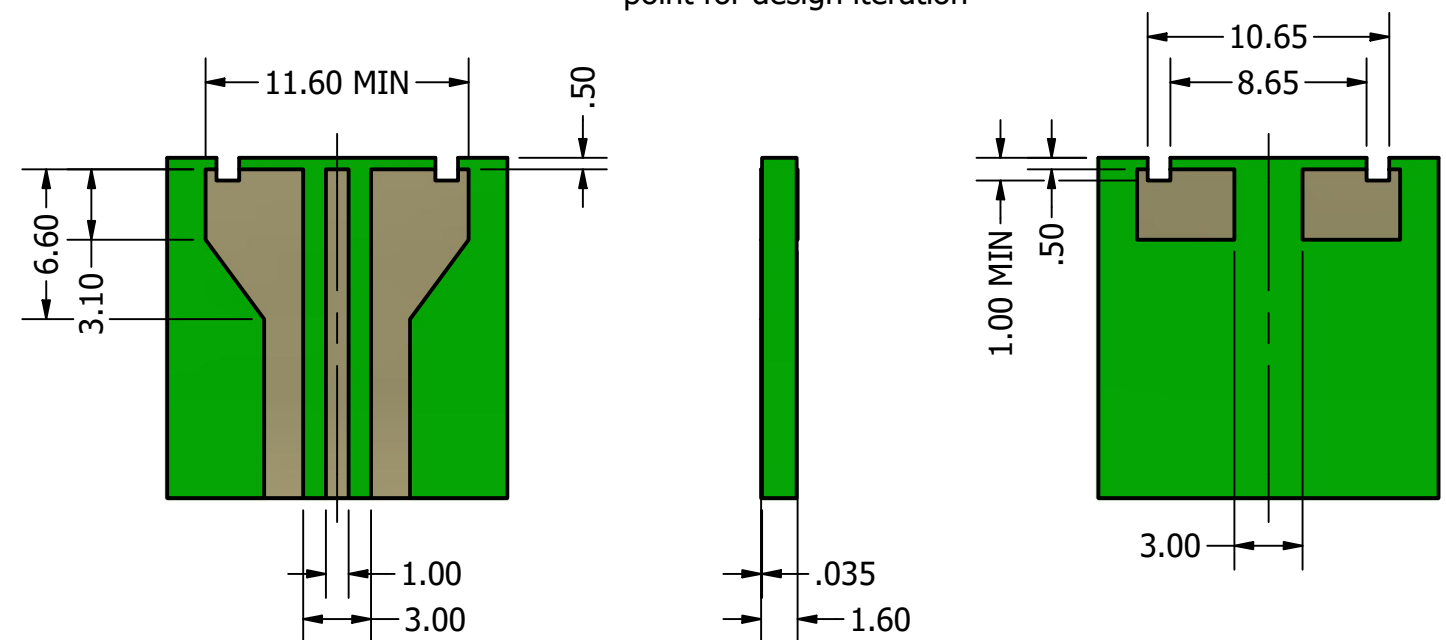
Processing:

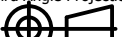
Hand solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Wave solder	Not recommended
Reflow solder	Not recommended

Simulation results:
Connector only



Suggested PCB layout
Intended as a 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 Peter Fayers		Checked by		Approved by	©2024 Date 23 Jun 2005	A3
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					Part No: XBS-03-EB16-NN Cust		
					Issue 3.1	Sheet 2 / 2	