

**Recommended Panel Cut Out**

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	06 Aug 2024	Peter Millard

<b>Design Right Protected</b>	Material:		Finish:		Gen Tol ±0.10 Angular ±2°		<b>DO NOT SCALE</b>	
	Designed by <b>Peter Fayers</b>		Checked by		Approved by		©2024	
<b>RoHS Compliant</b>	Description: 12GHz End Launch Micro BNC with harpoons for pick and place		Part No: XPS-12-EL16-NNHP Cust		Issue 3.0		Sheet 1 / 3	
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Electrical:

Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	170 Vrms
Dielectric withstanding voltage	>500 Vrms
Reflection Factor (VSWR)	1.05 Max 0.0-6.0 GHz 1.09 Max 6.0-12.0 GHz
Contact Resistance	Center Contact 5.0 m Ohm Outer Contact 2.5 m Ohm
Insulation Resistance	> 1000 Meg Ohm

Materials:

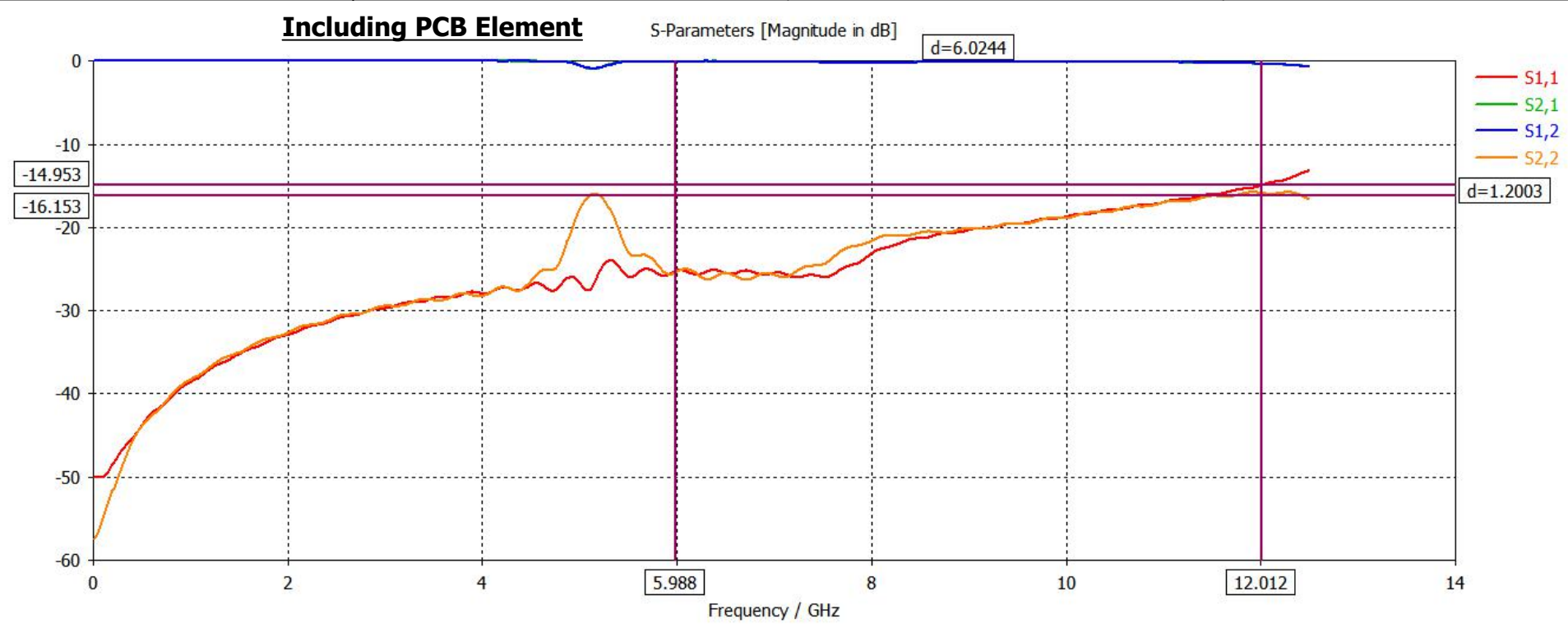
Center Pin	BeCu/10μ" Au
Metal Parts	Brass / Ni
Insulators	PTFE

Environmental:

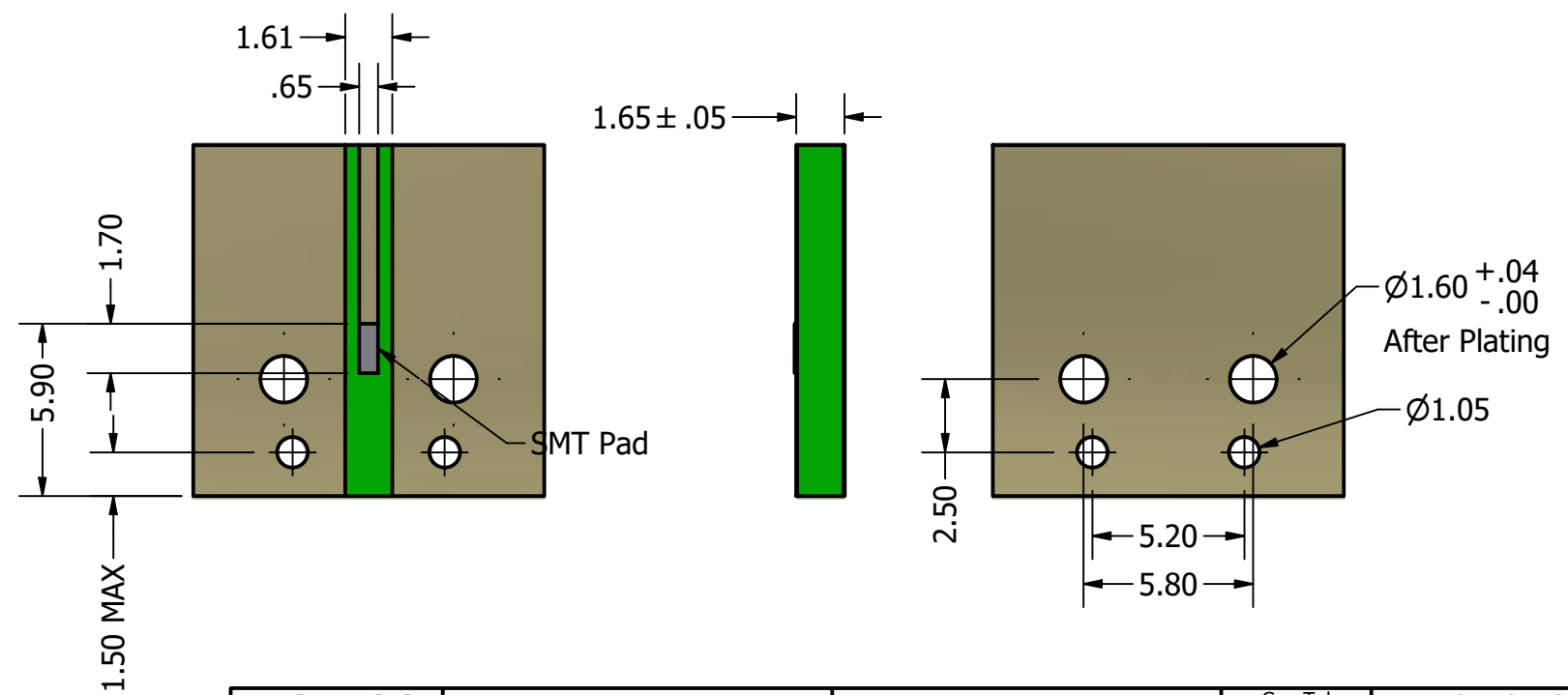
Temp Ranges:	-65 to +85°C
Mating Cycles:	500



Processing:

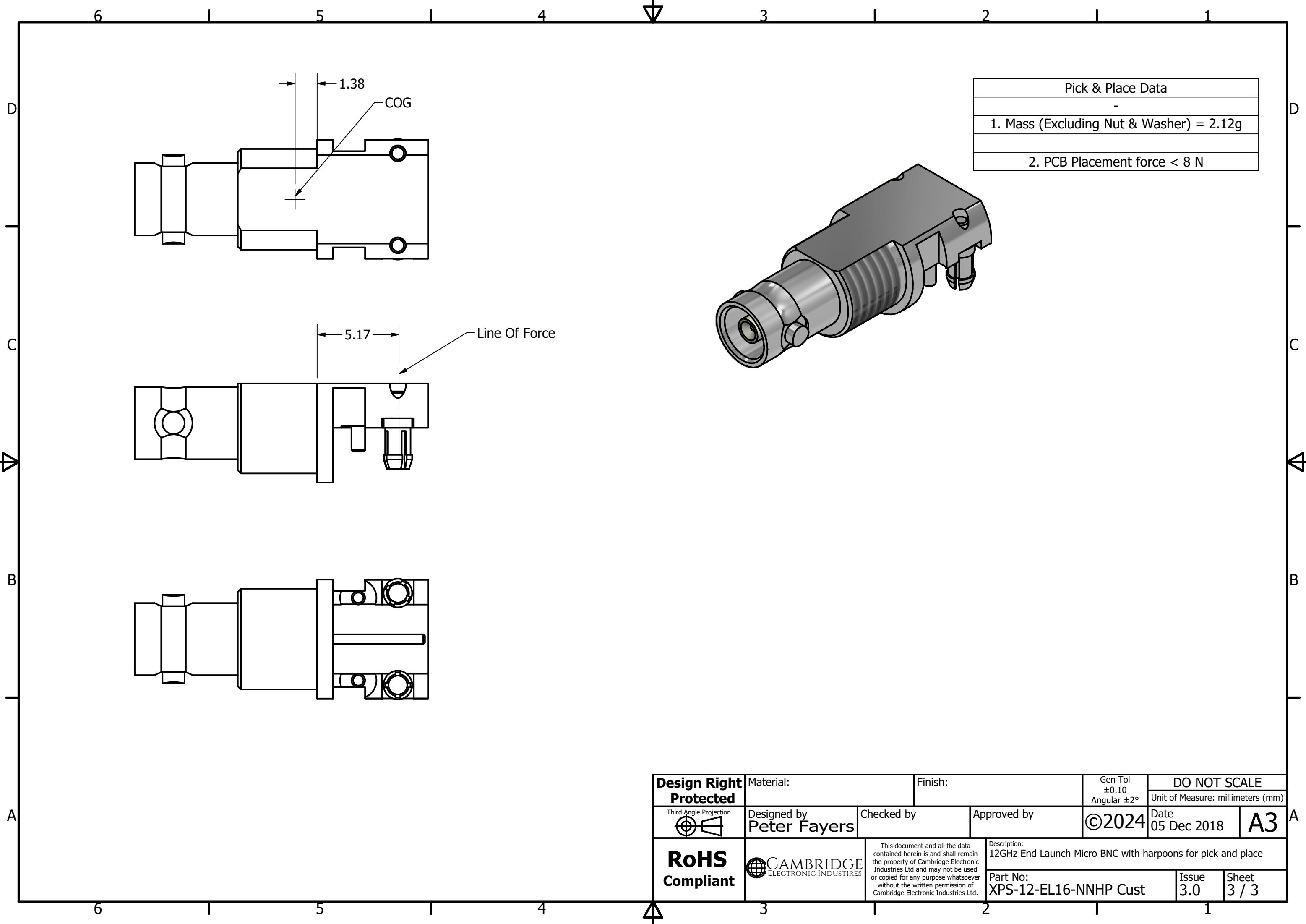
Reflow Soldering Temp	245°C MAX
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Suggested PCB layout intended as starting point for design iteration



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	Third Angle Projection		Unit of Measure: millimeters (mm)					
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Pick & Place Data
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1. Mass (Excluding Nut & Washer) = 2.12g
2. PCB Placement force < 8 N

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					Part No: XPS-12-EL16-NNHP Cust		Issue 3.0	Sheet 3 / 3