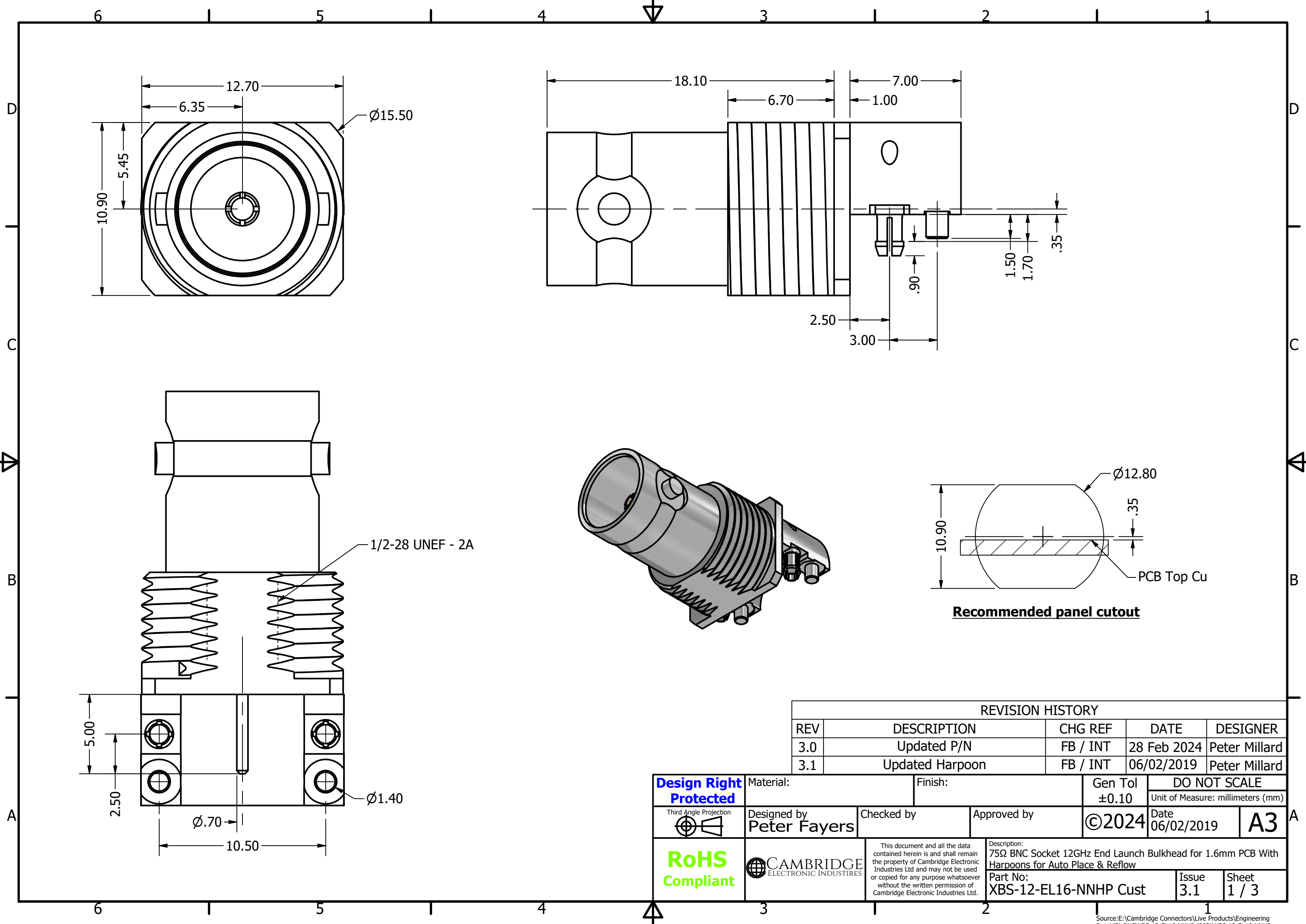
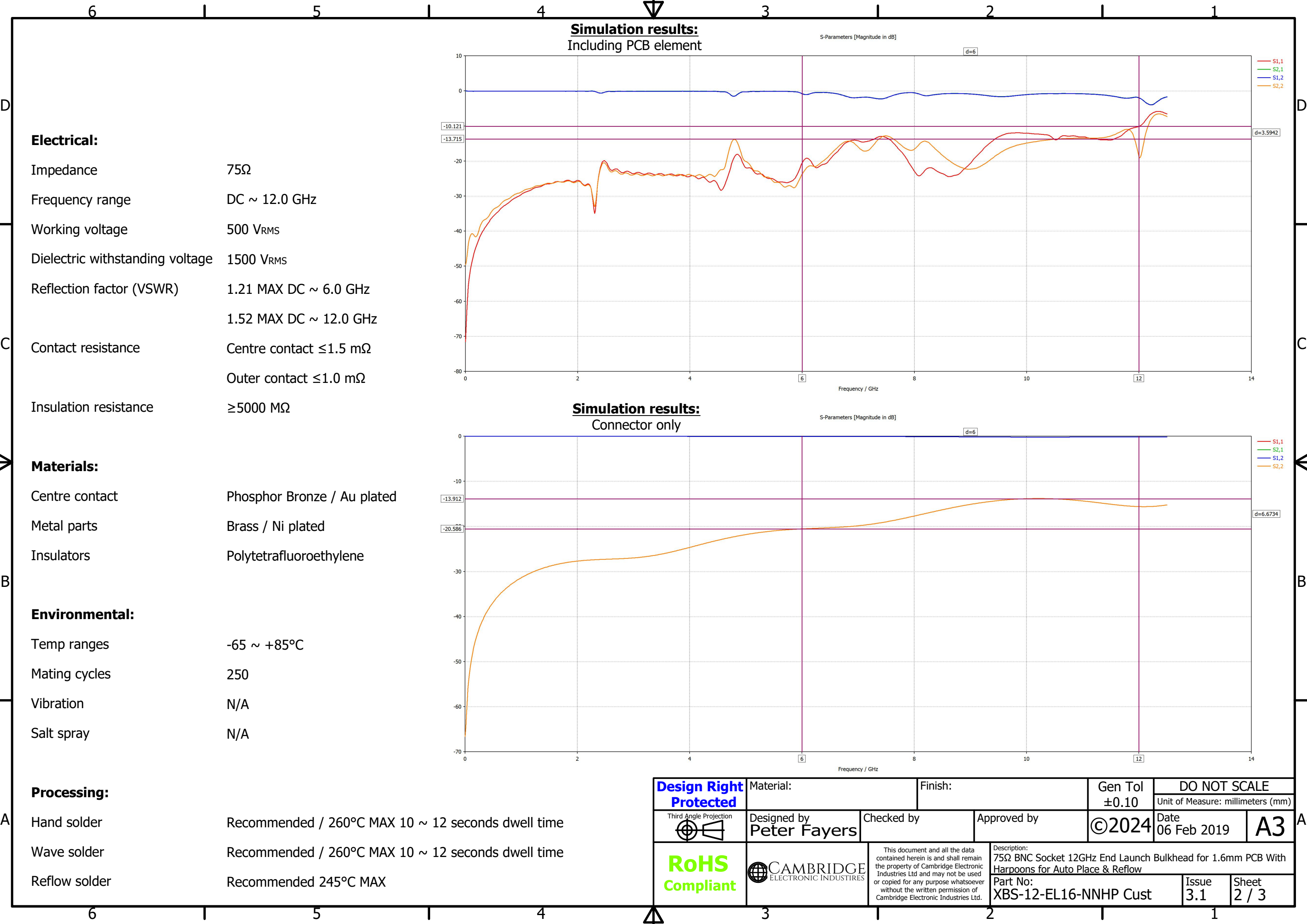




Recommended panel cutout

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	28 Feb 2024	Peter Millard
3.1	Updated Harpoon	FB / INT	06/02/2019	Peter Millard

Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE		
						Unit of Measure: millimeters (mm)		
Third Angle Projection 	Designed by Peter Fayers		Checked by		Approved by	©2024	Date 06/02/2019	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 12GHz End Launch Bulkhead for 1.6mm PCB With Harpoons for Auto Place & Reflow			
					Part No: XBS-12-EL16-NNHP Cust		Issue 3.1	Sheet 1 / 3



Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V _{RMS}
Dielectric withstanding voltage	1500 V _{RMS}
Reflection factor (VSWR)	1.21 MAX DC ~ 6.0 GHz 1.52 MAX DC ~ 12.0 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

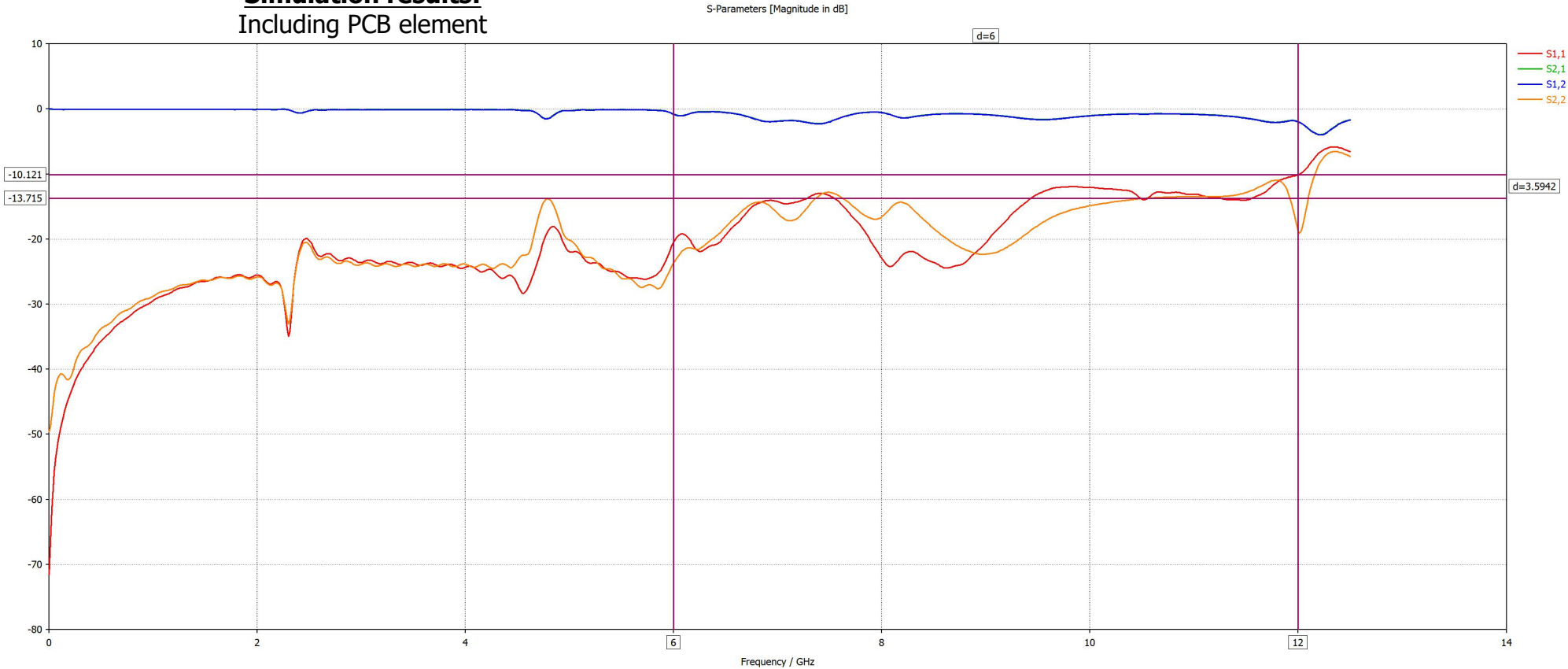
Environmental:

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

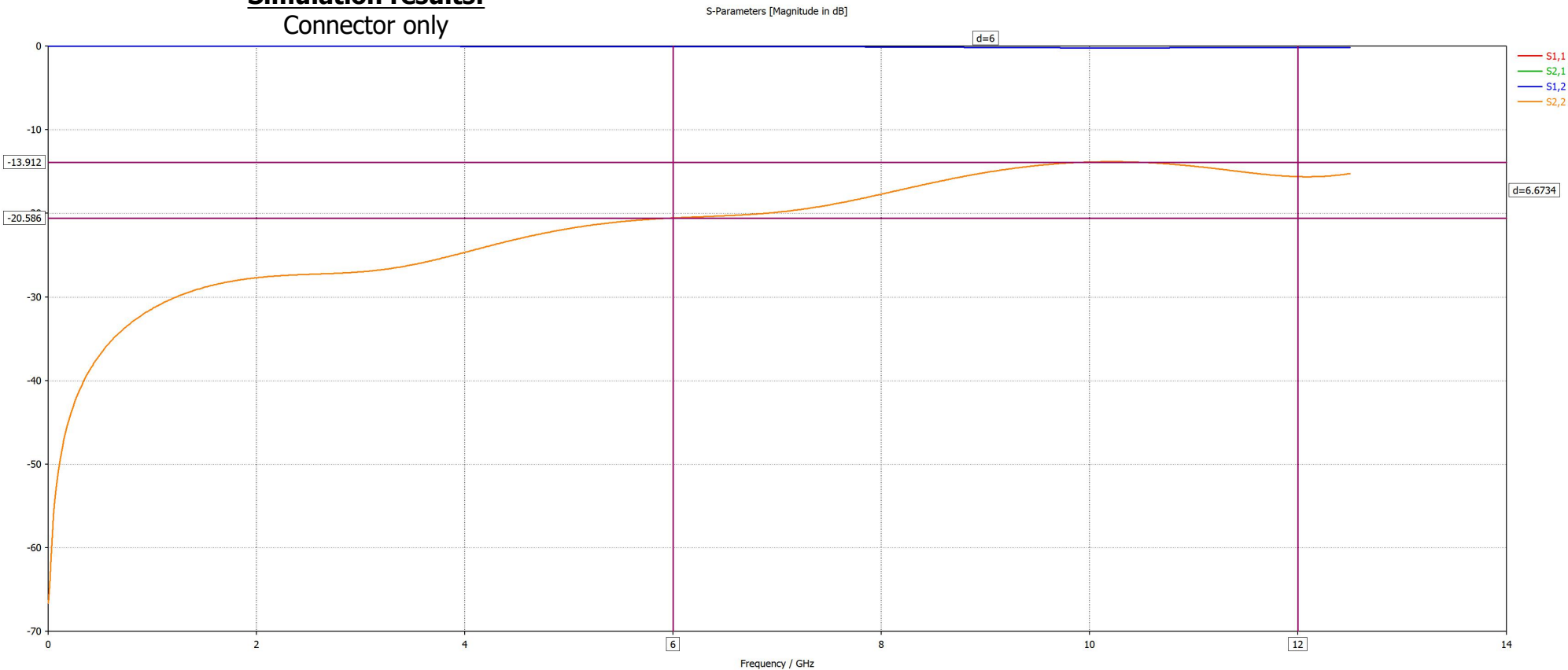
Processing:

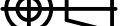
Hand solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Wave solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Reflow solder	Recommended 245°C MAX

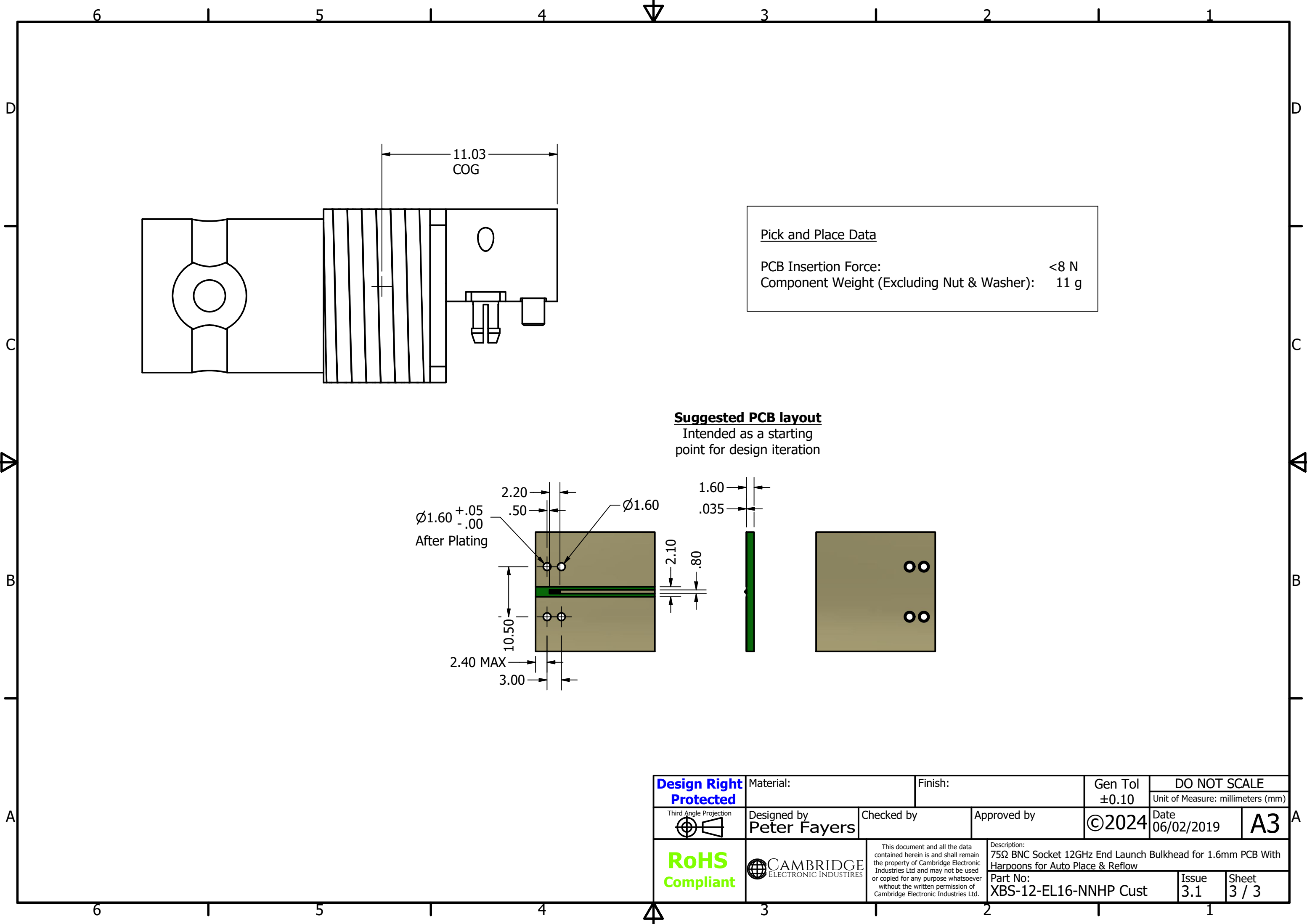
Simulation results:
Including PCB element



Simulation results:
Connector only



Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
						Unit of Measure: millimeters (mm)	
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Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
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				Part No: XBS-12-EL16-NNHP Cust		Issue 3.1	Sheet 3 / 3