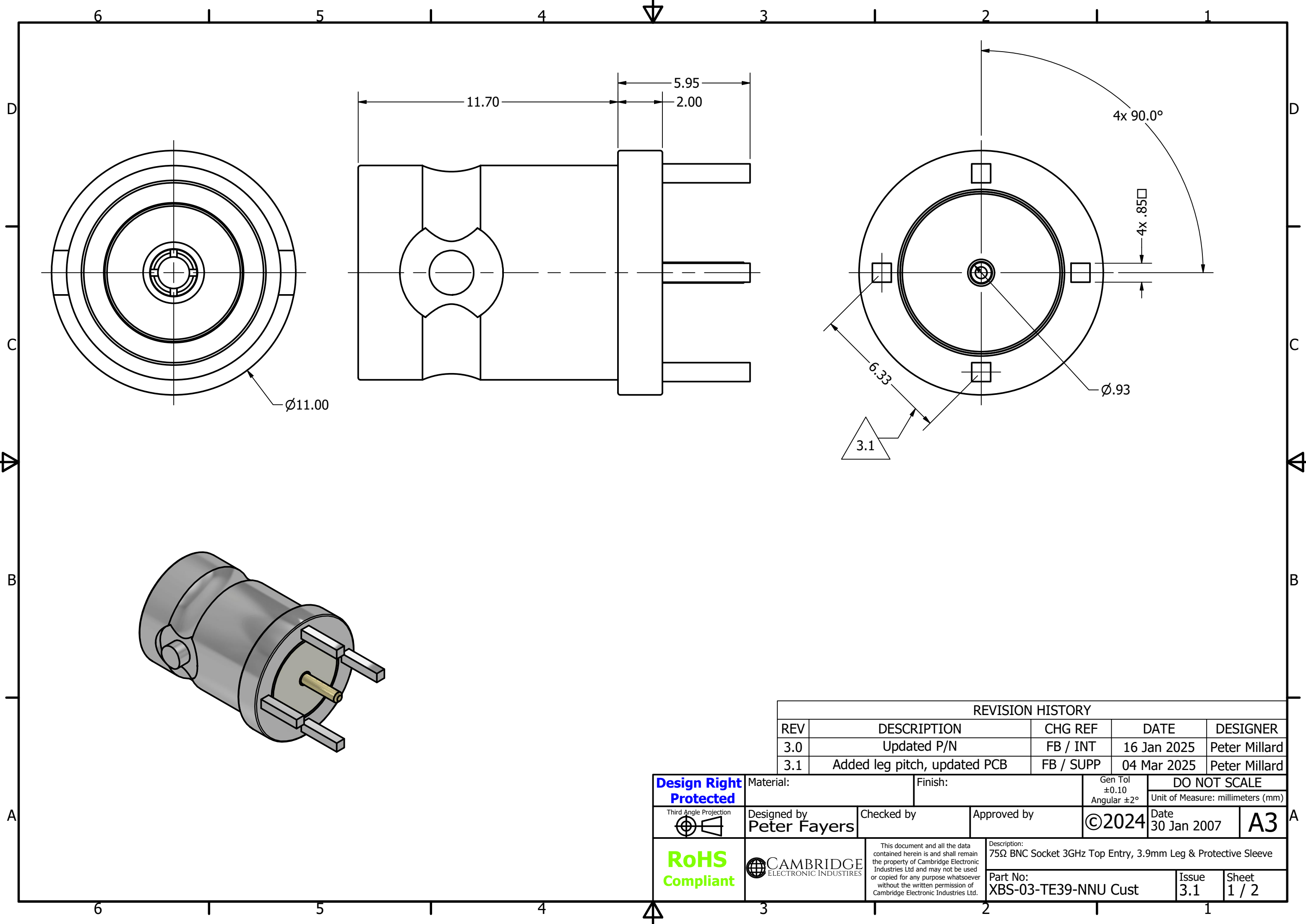




D

C

B

A

Electrical:

Impedance	75Ω
Frequency range	DC ~ 3.0 GHz
Working voltage	500 V _{RMS}
Dielectric withstanding voltage	1500 V _{RMS}
Reflection factor (VSWR)	1.04 MAX DC ~ 1.5 GHz 1.11 MAX DC ~ 3.0 GHz
Contact resistance	Centre contact ≤1.5 mΩ Outer contact ≤1.0 mΩ
Insulation resistance	≥5000 MΩ

Materials:

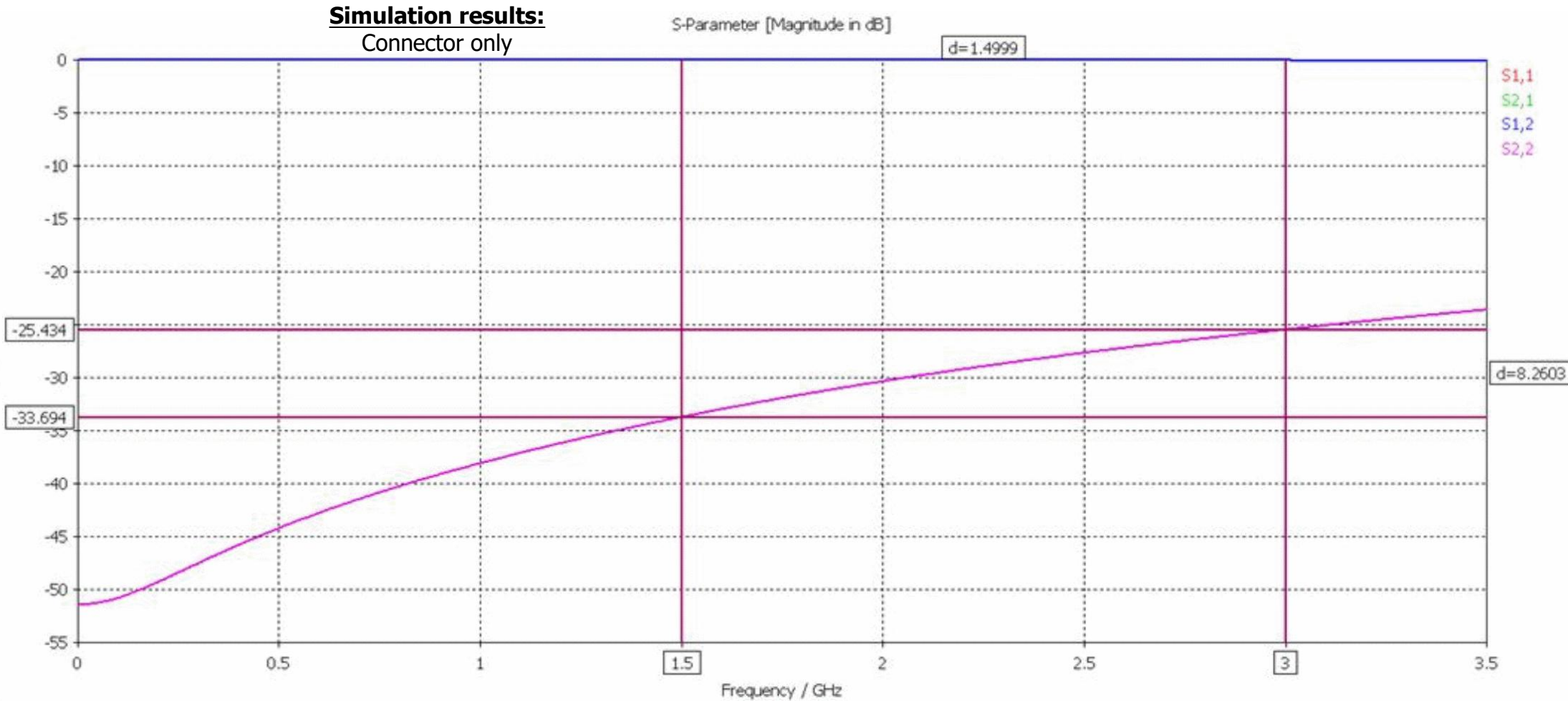
Centre contact	Phosphor Bronze / Au plated
Metal parts	Brass / Ni plated
Insulators	Polytetrafluoroethylene

Environmental:

Temp ranges	-65 ~ +85°C
Mating cycles	250
Vibration	MIL-STD-202 method 204 test condition B
Salt spray	MIL-STD-202 method 101 test condition B

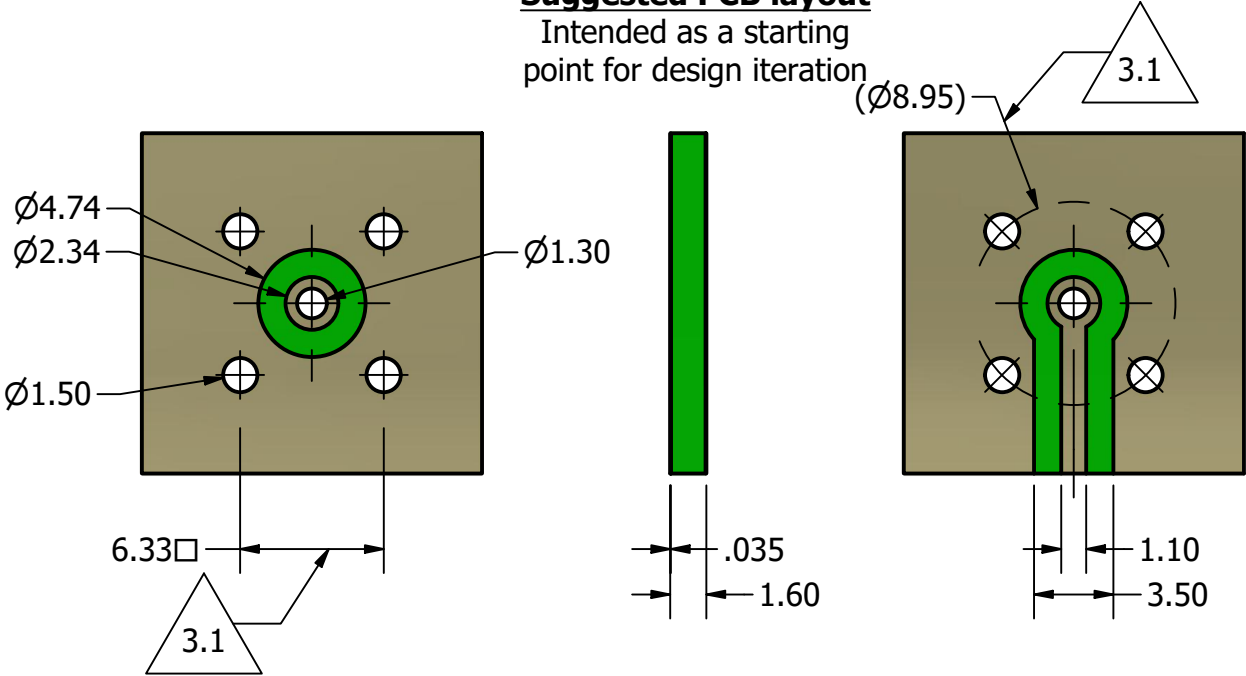
Processing:

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 Peter Fayers		Checked by		Approved by	©2024 30 Jan 2007	Unit of Measure: millimeters (mm)
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 75Ω BNC Socket 3GHz Top Entry, 3.9mm Leg & Protective Sleeve		Part No: XBS-03-TE39-NNU Cust		Issue 3.1
	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.				Sheet 2 / 2		

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