


REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	NPF	16/02/2021	Peter Fayers
1.1	Contact Material Chg	Int Review	16/02/2021	Peter Fayers
1.2	Dim Chg	Cust Review	23/02/2021	Peter Fayers
1.3	Dim Chg	Cust F/B	23/02/2021	Peter Fayers
1.4	Dim Chg	Cust F/B	09/03/2021	Peter Fayers
1.5	Hardware added	Int Review	09/03/2021	Peter Fayers
1.7	Hardware Drawings added	Cust F/B	06/07/2021	Peter Fayers

<b>Design Right Protected</b>	Material:		Finish:	Gen Tol ± 0.10	DO NOT SCALE		
					Unit of Measure: millimetres (mm)		
Third Angle Projection 	Designed by Peter Fayers	Checked by	Approved by	Date	©2021	Date 16/02/2021	A3
<b>RoHS Compliant</b>	<b>Cambridge Electronic Industries Ltd</b>	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: Edge Mount 50 Ohm N Series Socket				
			Part No: C-SX-235HT			Issue 1.7	Sheet 1 / 2

**Electrical:**

Impedance	50 Ohms
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Freq Range 0-6.0 GHz

Working Voltage 1000 V rms

Dielectric withstanding voltage 2500 V rms

Reflection Factor (VSWR) 1.24 Max DC-2.45 GHz

1.63 Max 2.45-4.90 GHz

Contact Resistance                      Centre Contact <1.0 m Ohm

Outer Contact <1.0 m Ohm

Insulation Resistance > 5000 Meg Ohm

### Materials:

Centre Pin                      BeCu /10u" Au

Metal Parts Brass/Ni

Insulator PTFE

### Processing:

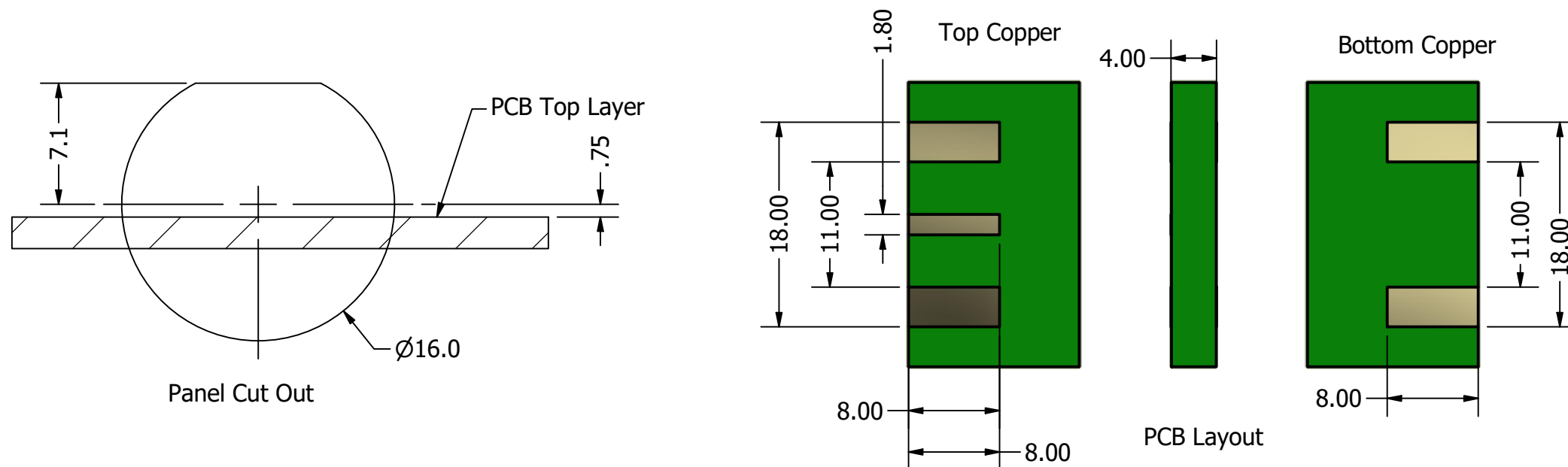
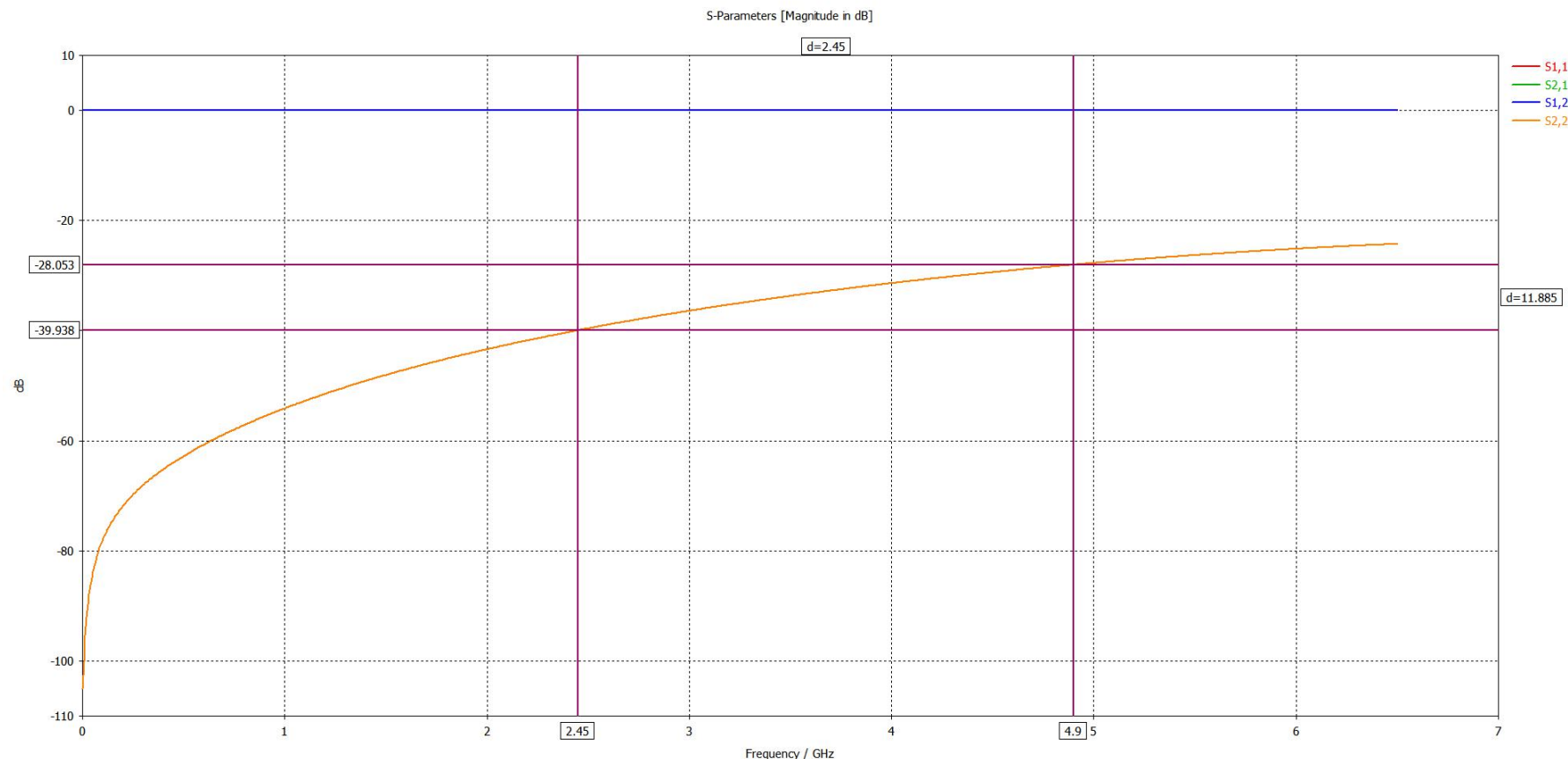
Hand Solder. Max Peak Temp 260°C


**Environmental:**

Temp Range: -65 to +85°C

### Mechanical:

Mating cycles: 250



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