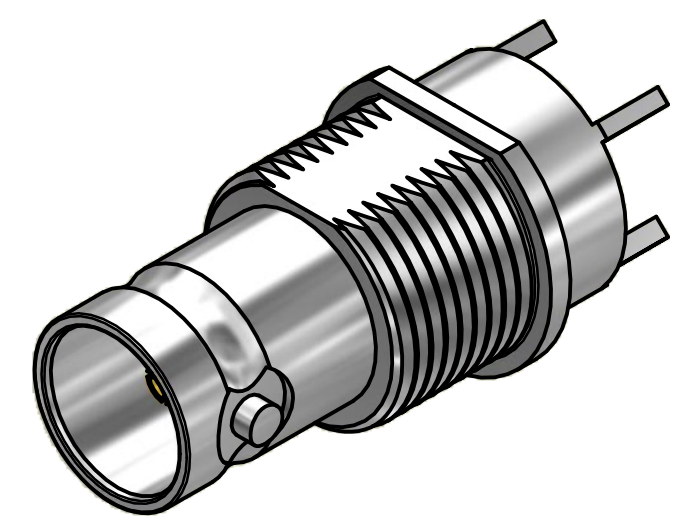
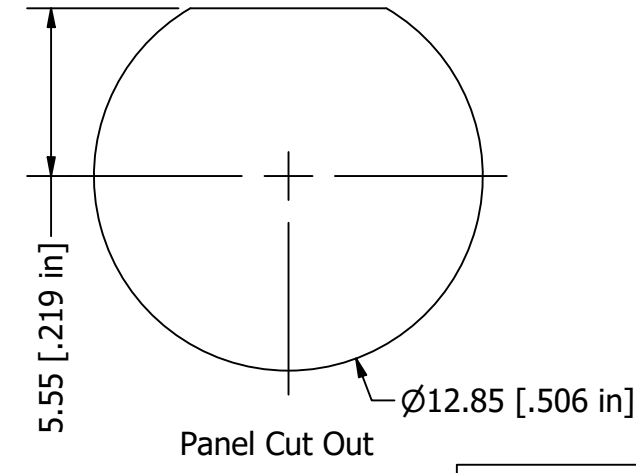


Note: Supplied with Circular Nut and washer



REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
1.0	Origin	14/10/2013	P.Fayers
1.1	Flange Dia to 14.5 & Flat Added	15/10/2013	P.Fayers
1.2	Dim Chgs	28/10/2013	P.Fayers
1.3	Length Chg	28/10/2013	P.Fayers
1.4	Hex nut chg to Circular nut	31/10/2013	P.Fayers
1.5	Circular Nut thickness Chg	25/04/2014	P.Fayers
1.6	Spec Added to.	20/08/2014	P.Fayers
1.7	PCB FP Amended	20/10/2014	P.Fayers
1.8	12Ghz Characterisation	12-Sep-17	P.Fayers
1.9	PCB suggested Layout	01/08/2018	P.Fayers

Design Right Protected	Material: Brass/P.Bronze/PTFE		Finish: Ni/10u Au/Nat		Gen Tol +/- 0.20		DO NOT SCALE	
	Designed by P.Fayers		Checked by		Approved by Date		©2013 Date 11/10/2010 A3	
RoHS Compliant	Cambridge Electronic Industries Ltd		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.		75 Ohm Top Entry BH BNC Socket			
					C-SX-128 (NPF 4413)		Issue 1.9	Sheet 1 / 3

Electrical:

Impedance 75 Ohms
Freq Range 0-12.0 GHz
Working Voltage 500 Vrms
Dielectric withstanding voltage 1500 Vrms
Reflection Factor (VSWR) 1.04 Max DC-6.0 GHz
 1.08 Max 6.0 GHz-12.0 GHz
Contact Resistance Centre Contact 1.5 m Ohm
 Outer Contact 1.0 m Ohm
Insulation Resistance > 5000 Meg Ohm

Materials:

Centre Pin Phosphor Bronze /10u^o Au
Metal Parts Brass/Ni
Insulators PTFE - UL 94 V-0

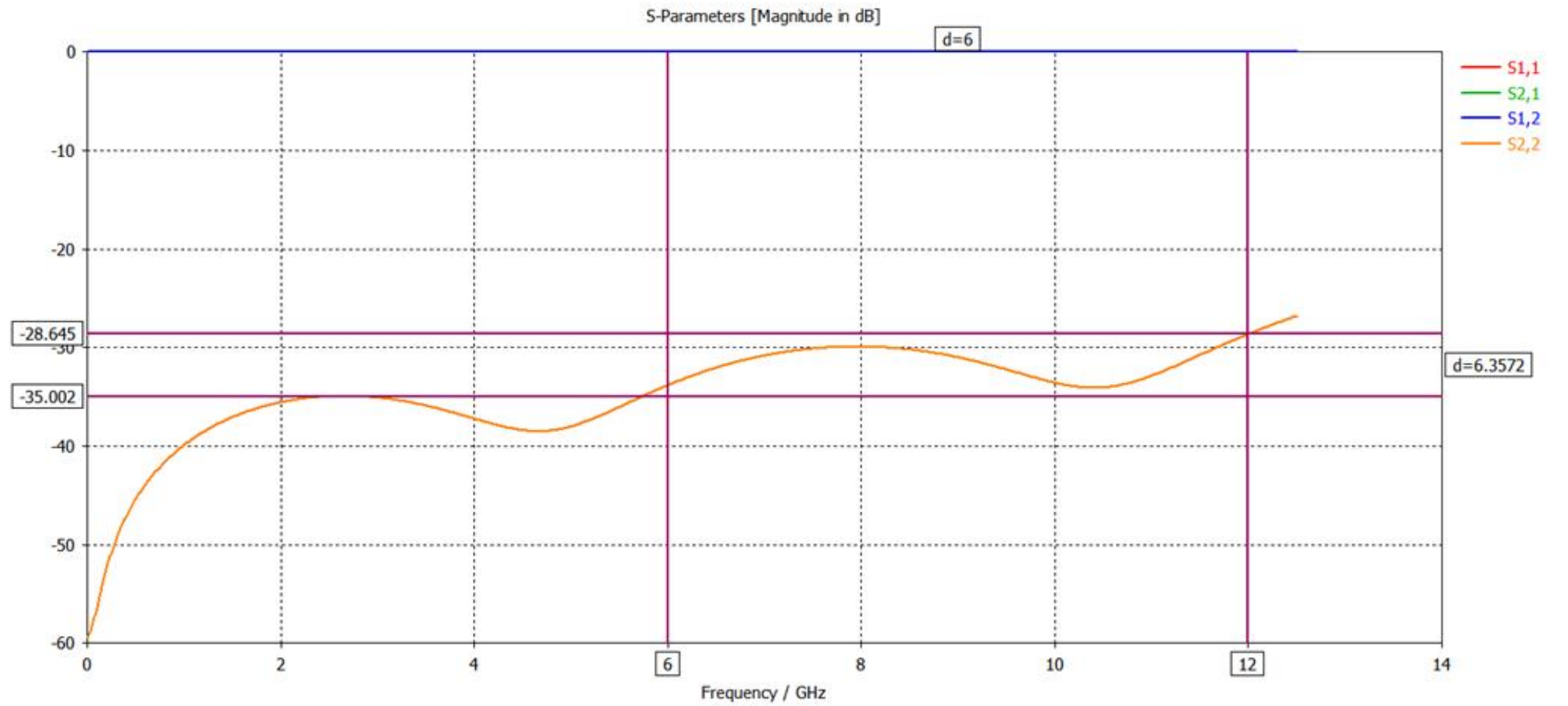
Enviromental:

Temp Range: -65 to +85 °C
Mating cycles: 250
Soldering Processes:
 Lead free wave soldering

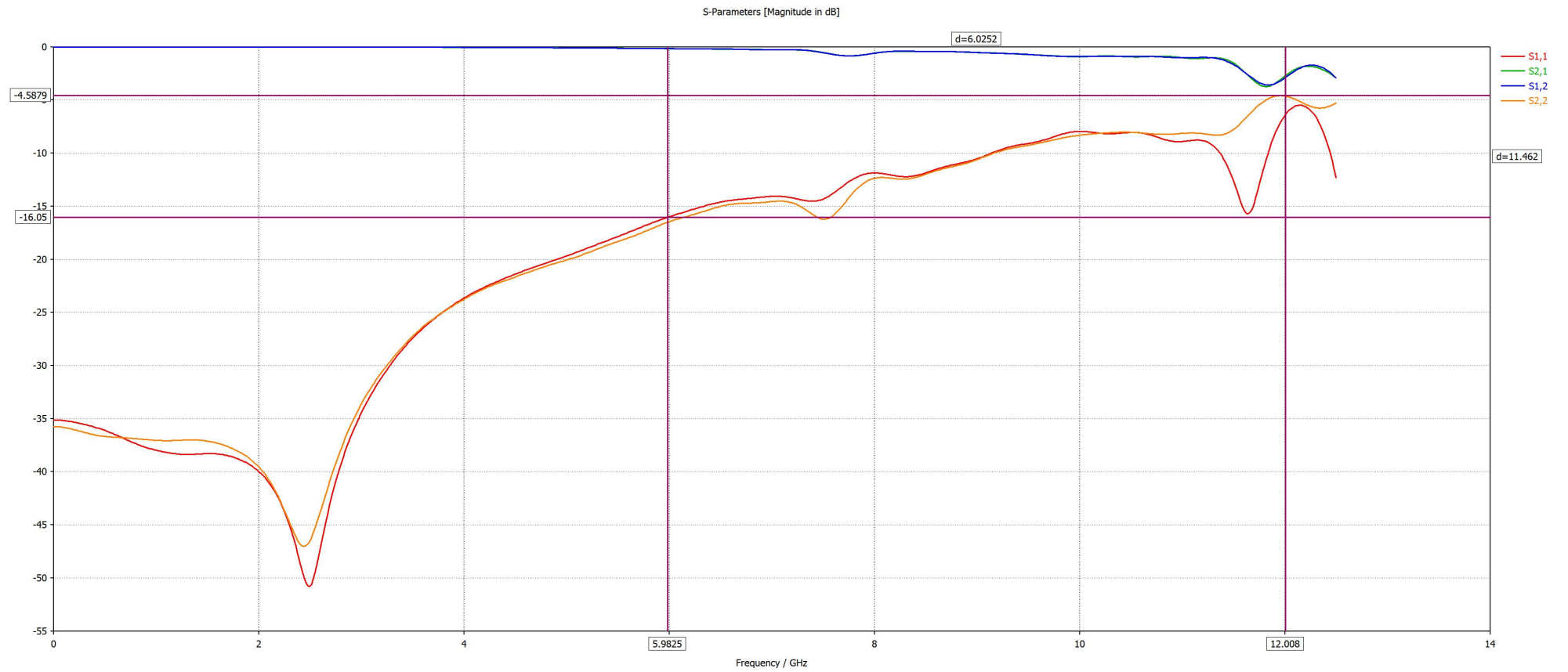
Solder bath temperature shall be maintained at 265 ± 5/C.
 Hold time in the solder shall be 10 +2/-0 seconds.

Hand Soldering

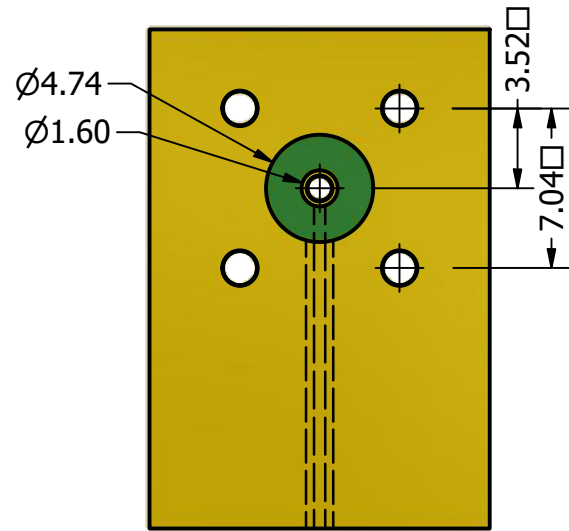
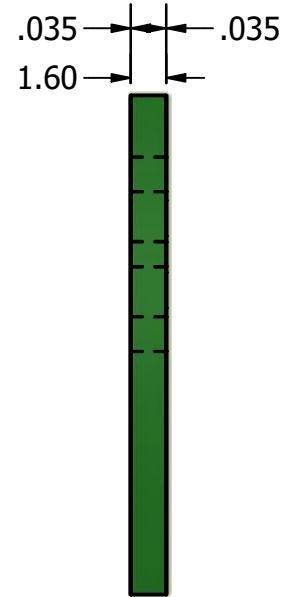
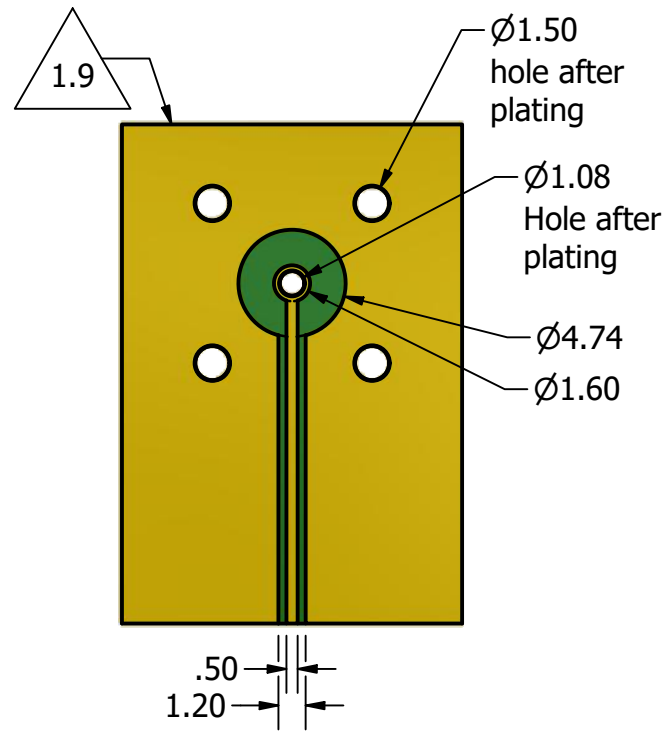
Iron temperature shall be maintained at 380 ± 5/C.
 Dwell time shall be 5 +2/-0 seconds.



Design Right Protected	Material: Top Entry BH BNC Jack		Finish:	Gen Tol +/- 0.20	DO NOT SCALE	
	Designed by P.Fayers		Checked by	Approved by	Date	©2013
Third Angle Projection	Cambridge Electronic Industries Ltd		75 Ohm Top Entry BH BNC Socket		Date 11/10/2010	A3
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Return Loss graph with PCB element.



PCB Layout Used in Simulation

Design Right Protected	Material:		Finish:		Gen Tol +/- 0.20		DO NOT SCALE	
	Designed by P.Fayers		Checked by		Approved by Date		Unit of measure: millimetres(mm)	
Third Angle Projection	©2013		Date 11/10/2010		A3			
RoHS Compliant	Cambridge Electronic Industries Ltd		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.		75 Ohm Top Entry BH BNC Socket			
	C-SX-128 (NPF 4413)		Issue 1.9		Sheet 3 / 3			