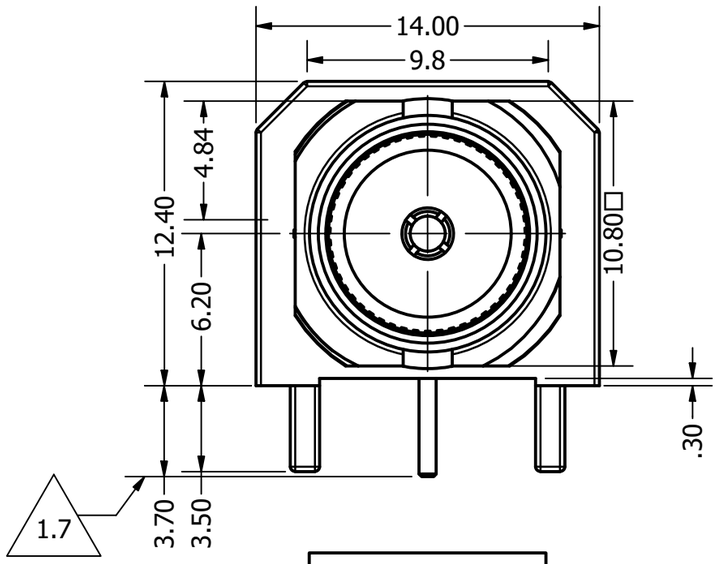
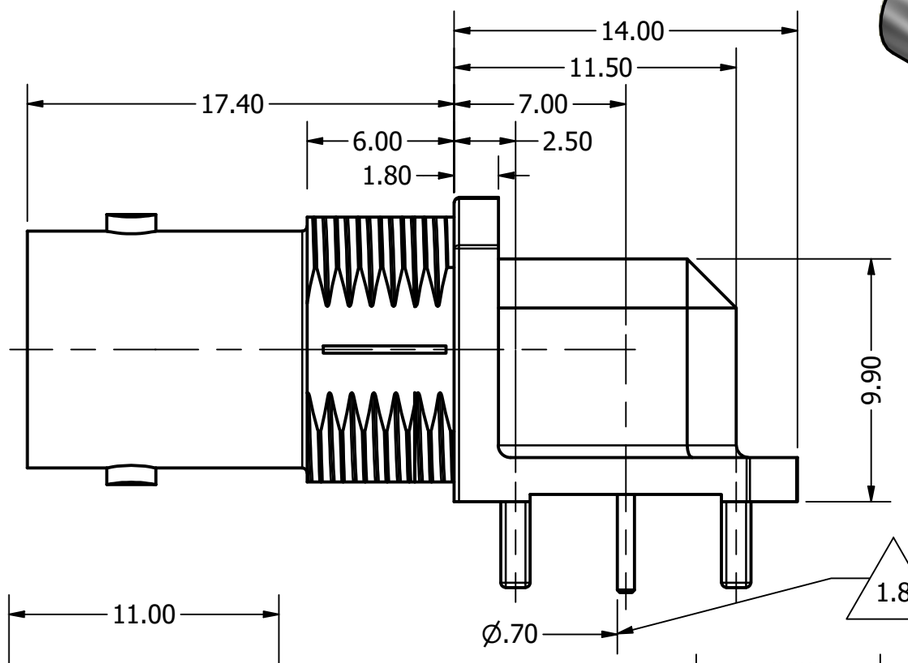
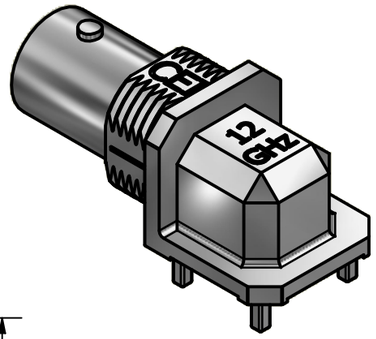
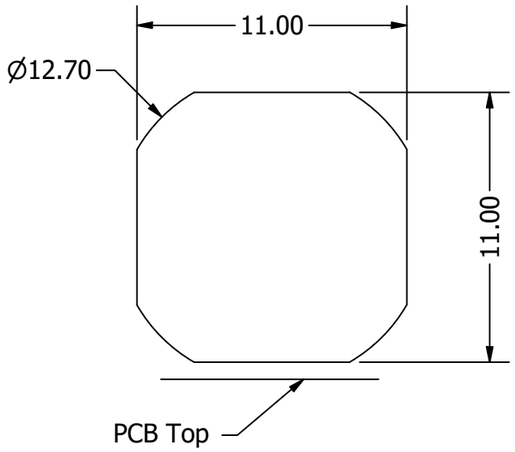


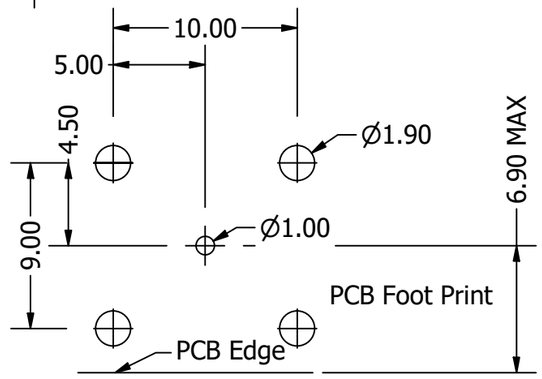


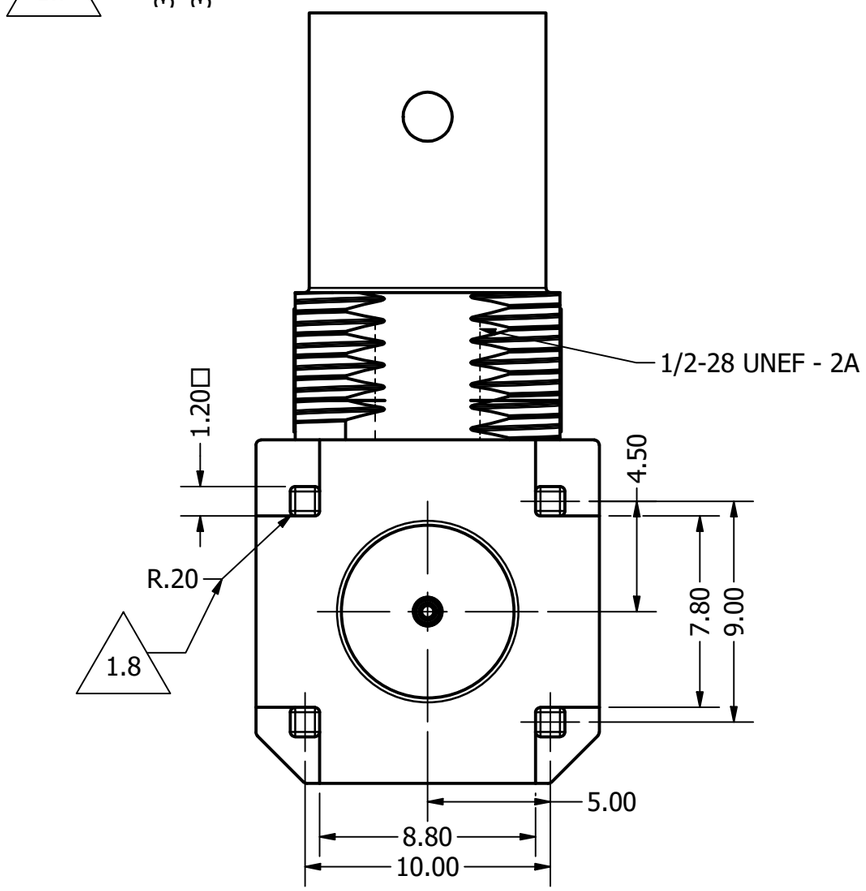




Panel Cut Out
3.5mm MAX Panel
Thickness

Supplied with
Nut And Washer



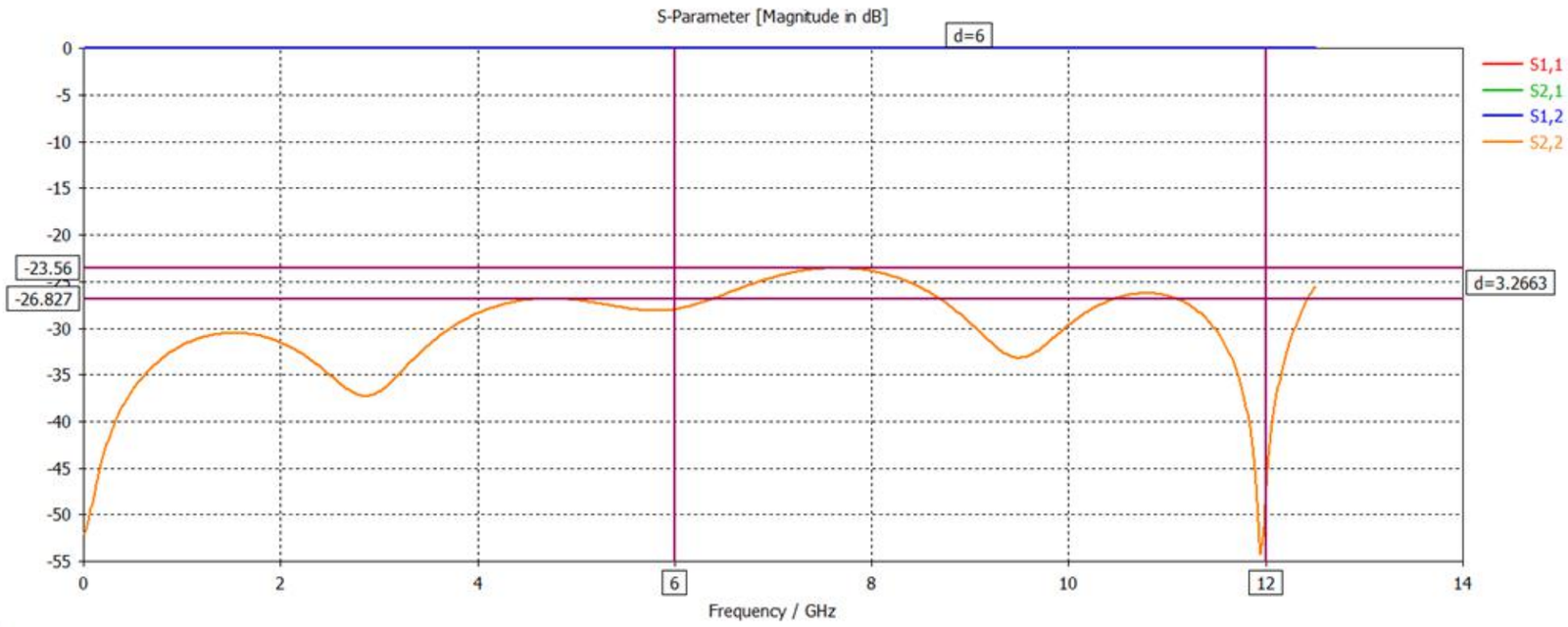


REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
1.0	Origin	05/09/2012	Peter Fayers
1.1	Hardware Note added	17/06/2014	Peter Fayers
1.2	Additional flats added to B.Head	19/09/2014	Peter Fayers
1.3	Revised performance data	22/09/2014	Peter Fayers
1.4	Cut Out Dia Unified	29/09/2014	Peter Fayers
1.5	Thread full length	05/11/2014	Peter Fayers
1.6	Application Example Added	12/01/2015	Peter Fayers
1.7	Dim Added	27/04/2021	Peter Fayers
1.8	Dim Added	27/04/2021	Peter Fayers

Design Right Protected	Material:		Finish:	Gen Tol +/- 0.20	DO NOT SCALE	
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by Date	©2014	Unit of measure: millimetres(mm) Date 22/05/2014	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.	12 GHz RA Fully Cast BNC Socket			
			C-SX-144		Issue 1.8	Sheet 1 / 3

Electrical:

Impedance	75 Ohms
Freq Range	0-12.0GHz
Working Voltage	500 Vrms
Dielectric withstanding voltage	1500 Vrms
Reflection Factor (VSWR)	1.10 Max DC-6.0 GHz
	1.14 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



With BNC Male connector and No PCB element.

Materials:

Centre Pin	Phosphor Bronze /10u" Au
Metal Parts	Die Cast Zinc/Ni
Insulator	PTFE

Enviromental:

Temp Range: -65 to +85°C

Mating cycles: 250

Processing:

Hand Solder

Wave solder capable to 265°C

Temperatures up to 265°C may be used in Wave solder process. Dwell time 10-12 Seconds.

Design Right Protected Third Angle Projection	Material:		Finish:	Gen Tol +/- 0.20	DO NOT SCALE Unit of measure: millimetres(mm)
	Designed by Peter Fayers	Checked by	Approved by Date	©2014	Date 22/05/2014 — A3
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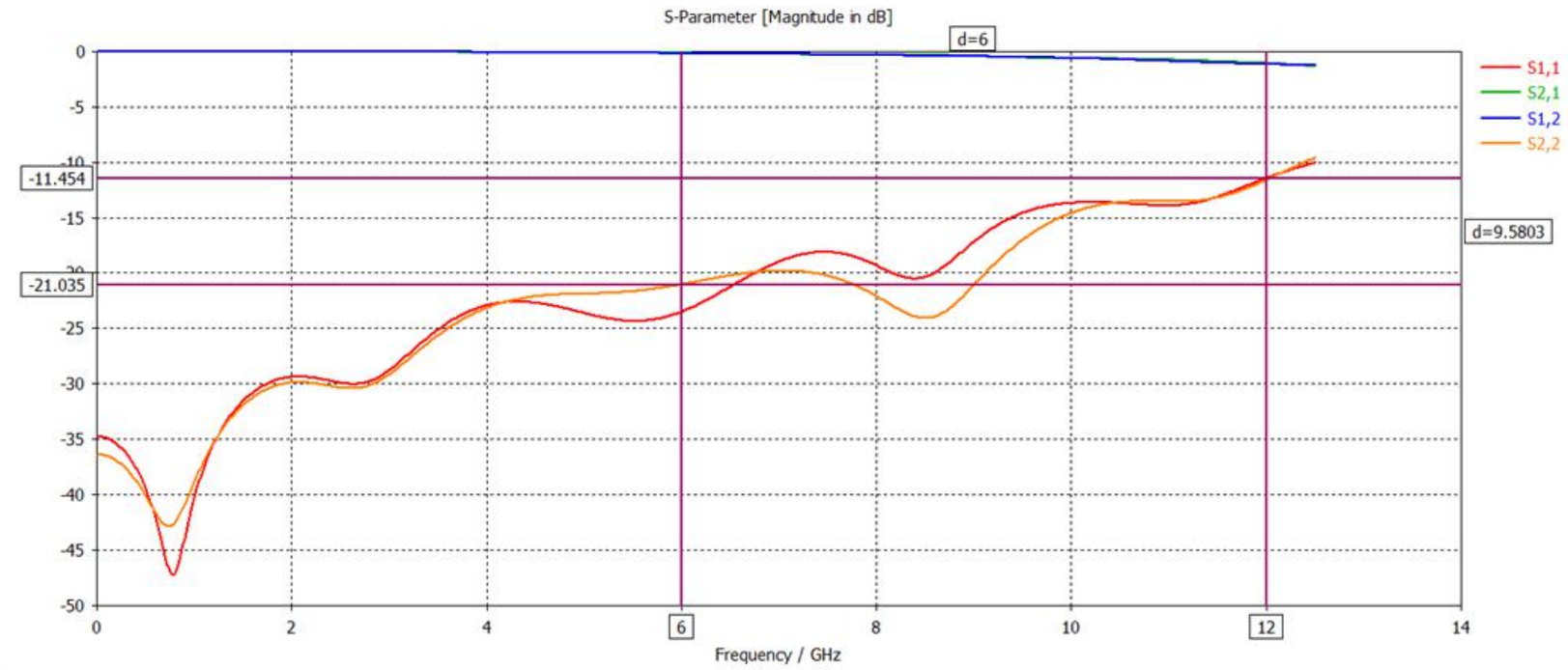
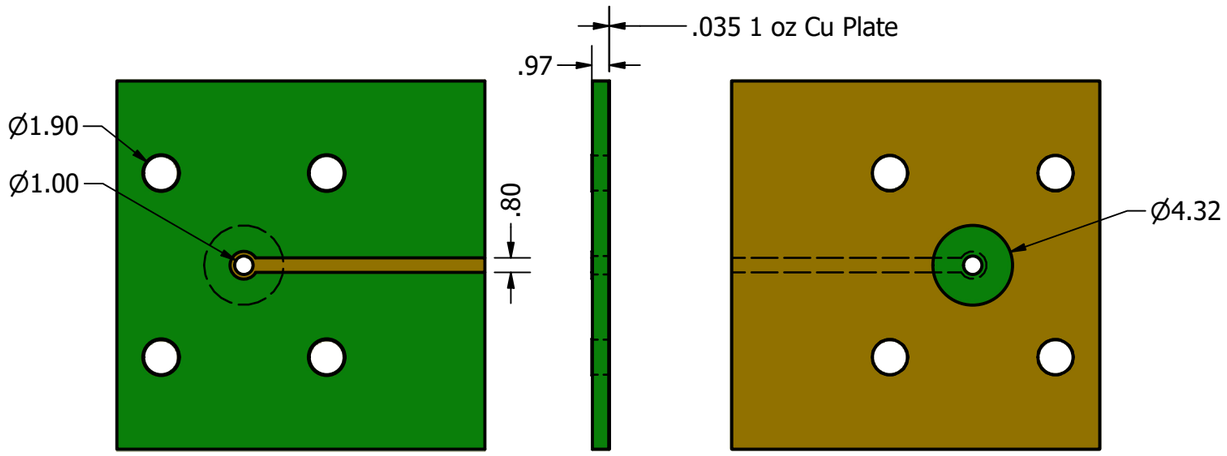
			C-SX-144	Issue 1.8	Sheet 2 / 3

Application example



With Male BNC and Strip Line PCB



Top Copper

This example is for guidence only.

Note:

a. Results are simulated
b. The centre pin is cropped back to 0.165mm from face of PCB.
c. Male BNC connector is CEI XBT-1068-BGAS
d. PCB substraight dielectric constant = 4.1
e. 1 oz copper clad

Design Right Protected	Material:		Finish:	Gen Tol +/- 0.20	DO NOT SCALE	
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by Date	©2014	Unit of measure: millimetres(mm) Date 22/05/2014	A3
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			C-SX-144		Issue 1.8	Sheet 3 / 3