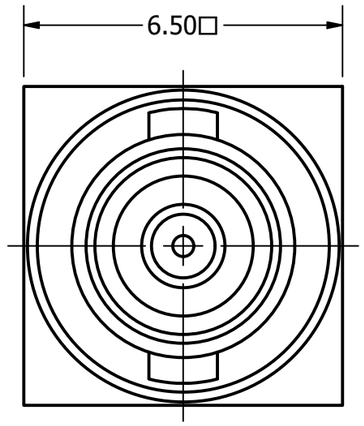
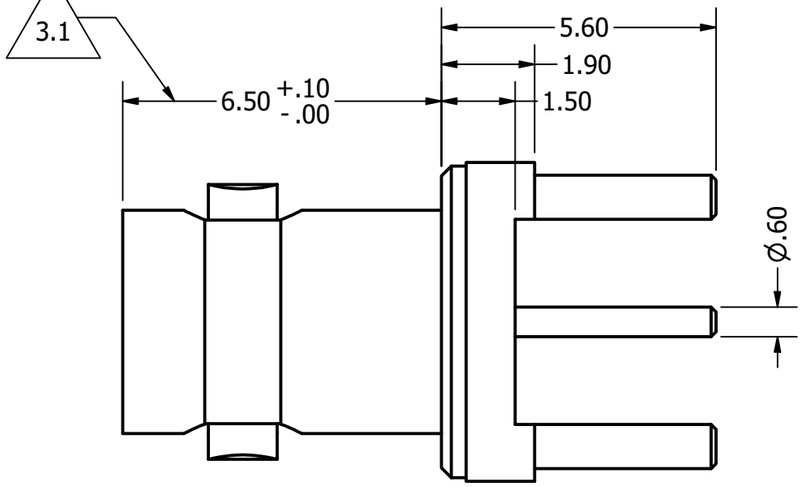
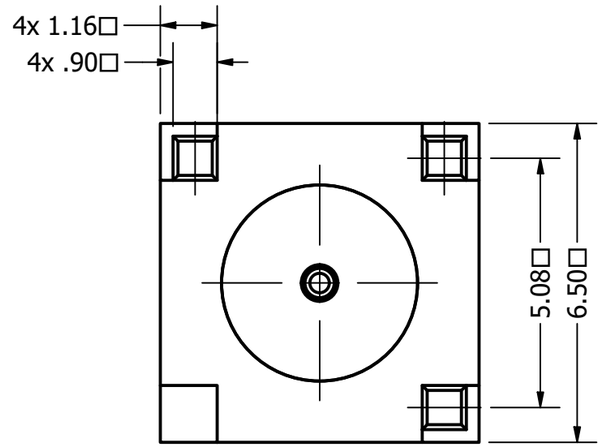
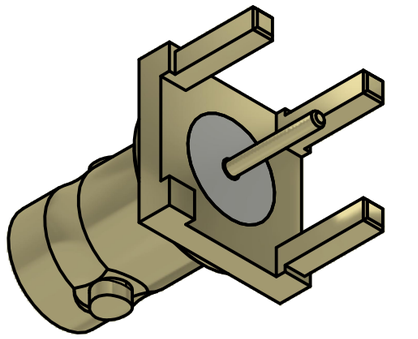
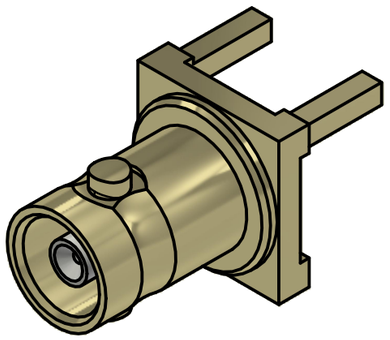
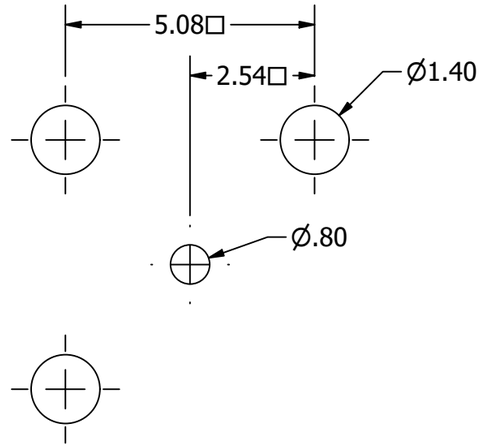












Recommended PCB Footprint

REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	31 Jul 2024	Peter Millard
3.1	Updated Tol	17 Oct 2024	Peter Millard

Design Right Protected	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 15 Nov 2012	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: 12GHz 75 ohm Micro BNC Female Short Body Top Entry 3 Leg		
			Part No: XPS-12-TE37-GGI Cust.idw	Issue 3.1	Sheet 1 / 2

Connector ONLY

Electrical:

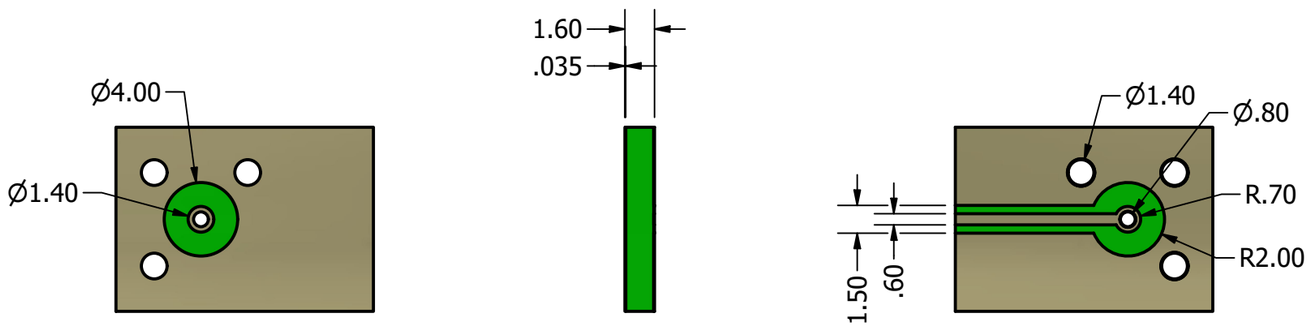
Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	170 Vrms
Dielectric withstanding voltage	>500 Vrms
Reflection Factor (VSWR)	1.04 Max 0.0-6.0 GHz
	1.08 Max 6.0-12.0 GHz
Contact Resistance	Center Contact 5.0 m Ohm
	Outer Contact 2.5 m Ohm
Insulation Resistance	> 1000 Meg Ohm

Materials:

Center Pin	BeCu/10µ" Au
Metal Parts	Brass / Au
Insulators	PTFE

Enviromental:

Temp Ranges:	-65 to +85°C
Mating Cycles:	500



Suggested PCB layout intended as starting point for design iteration

Design Right Protected	Material:	Finish:		Gen Tol ±0.10 Angular ±2°	DO NOT SCALE Unit of Measure: millimeters (mm)
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 15 Nov 2012 — A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTIRES		Description: 12GHz 75 ohm Micro BNC Female Short Body Top Entry 3 Leg		
			Part No: XPS-12-TE37-GGI Cust.idw	Issue 3.1	Sheet 2 / 2