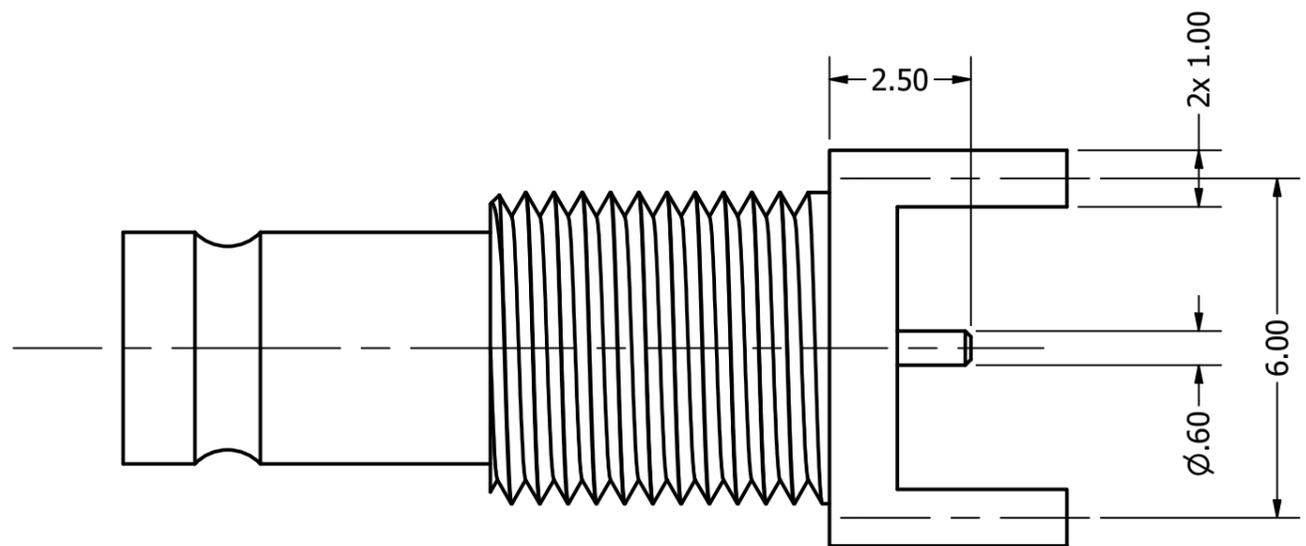
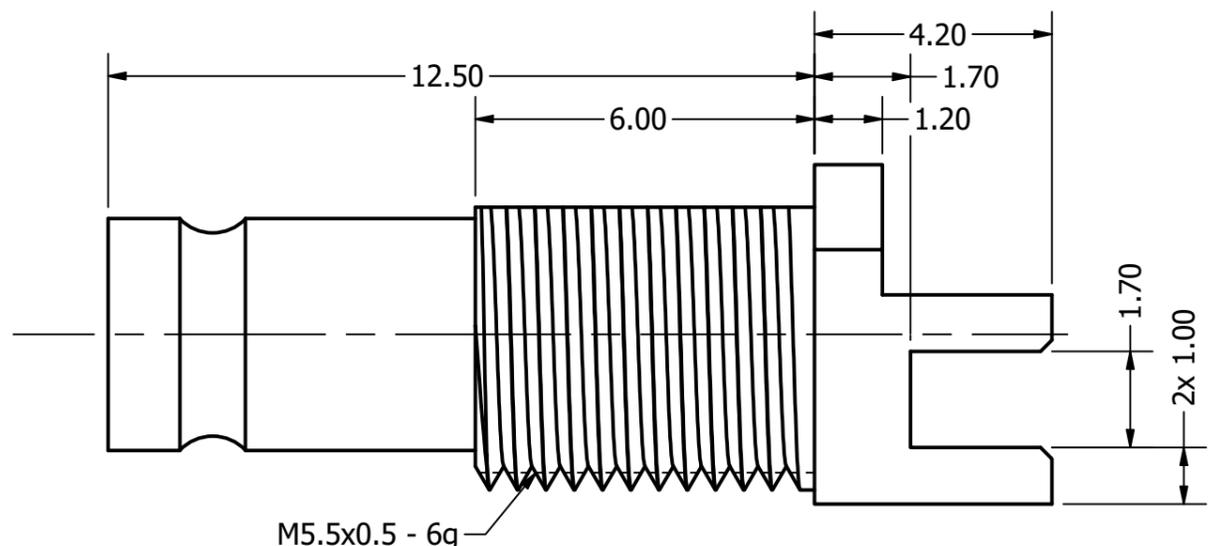
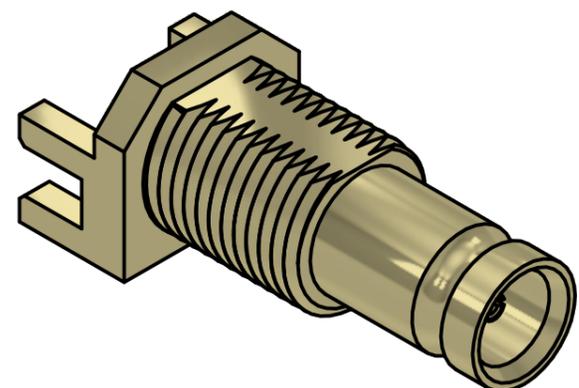


Recommended Panel Cut Out



M5.5x0.5 - 6g

REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	27 Jun 2024	Peter Millard
3.1	Added Pade sizes to PCB	18 Feb 2025	Peter Millard

Design Right Protected <small>Third Angle Projection</small> 	Material:	Finish:	Gen Tol ±0.10	DO NOT SCALE Unit of Measure: millimeters (mm)	
	Designed by P. Fayers	Checked by	Approved by	©2024	Date 15 Dec 2011
RoHS Compliant 		<small>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.</small>		Description: 6GHz 75 ohm 1.0/2.3 Female Bulkhead Edge Mount Gold Plated Connector for 1.8mm PCB	
		Part No: XGS-06-EB16-GG Cust		Issue 3.1	Sheet 1 / 2

A3

Electrical:

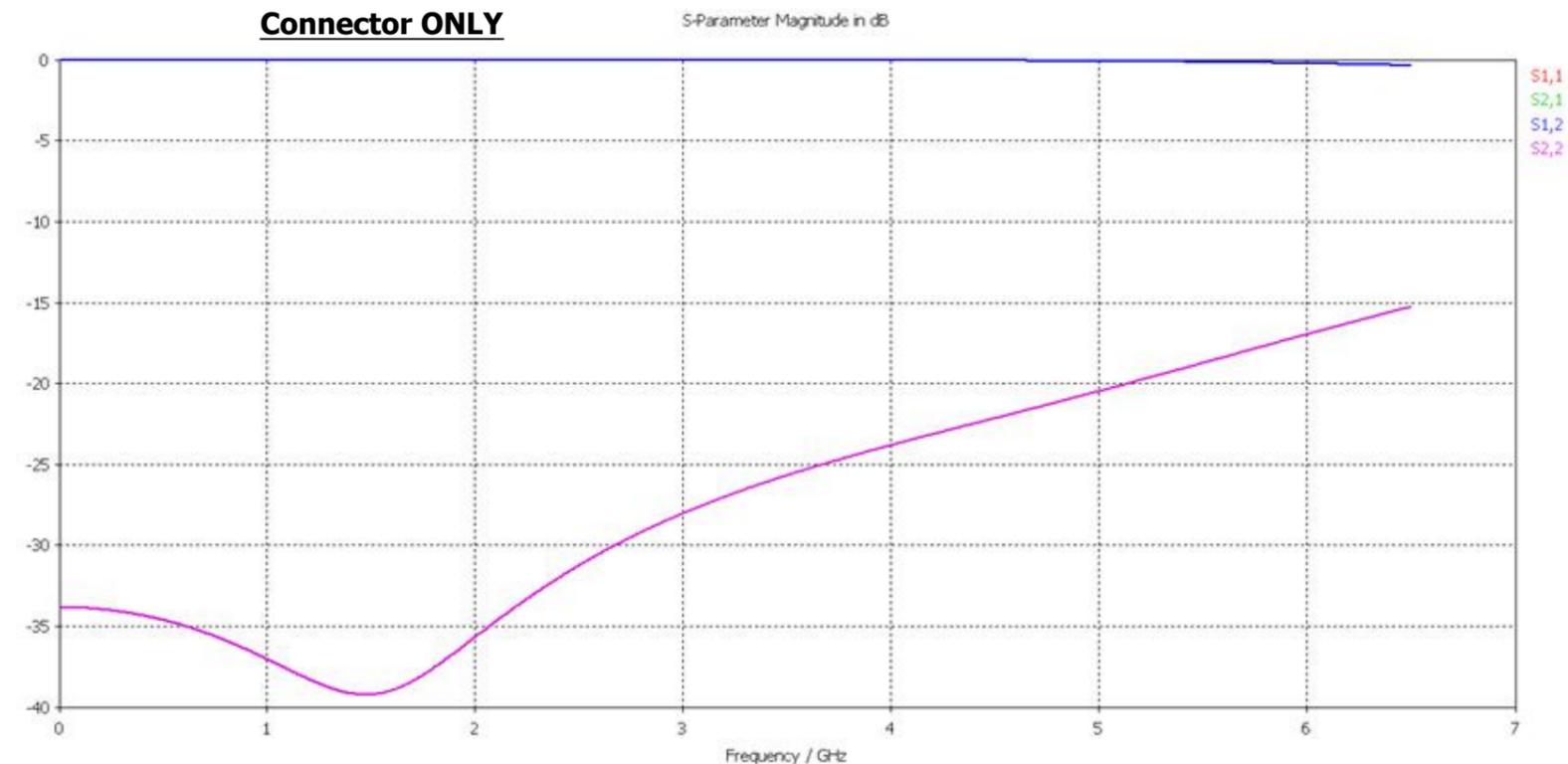
Impedance	75 Ohms
Freq Range	0-6.0 GHz
Working Voltage	250 Vrms
Dielectric withstanding voltage	>750 Vrms
Reflection Factor (VSWR)	1.10 Max 0.0-3.0 GHz 1.32 Max 3.1-6.0 GHz
Contact Resistance	Center Contact 4.0 m Ohm Outer Contact 2.5 m Ohm
Insulation Resistance	> 1000 Meg Ohm

Materials:

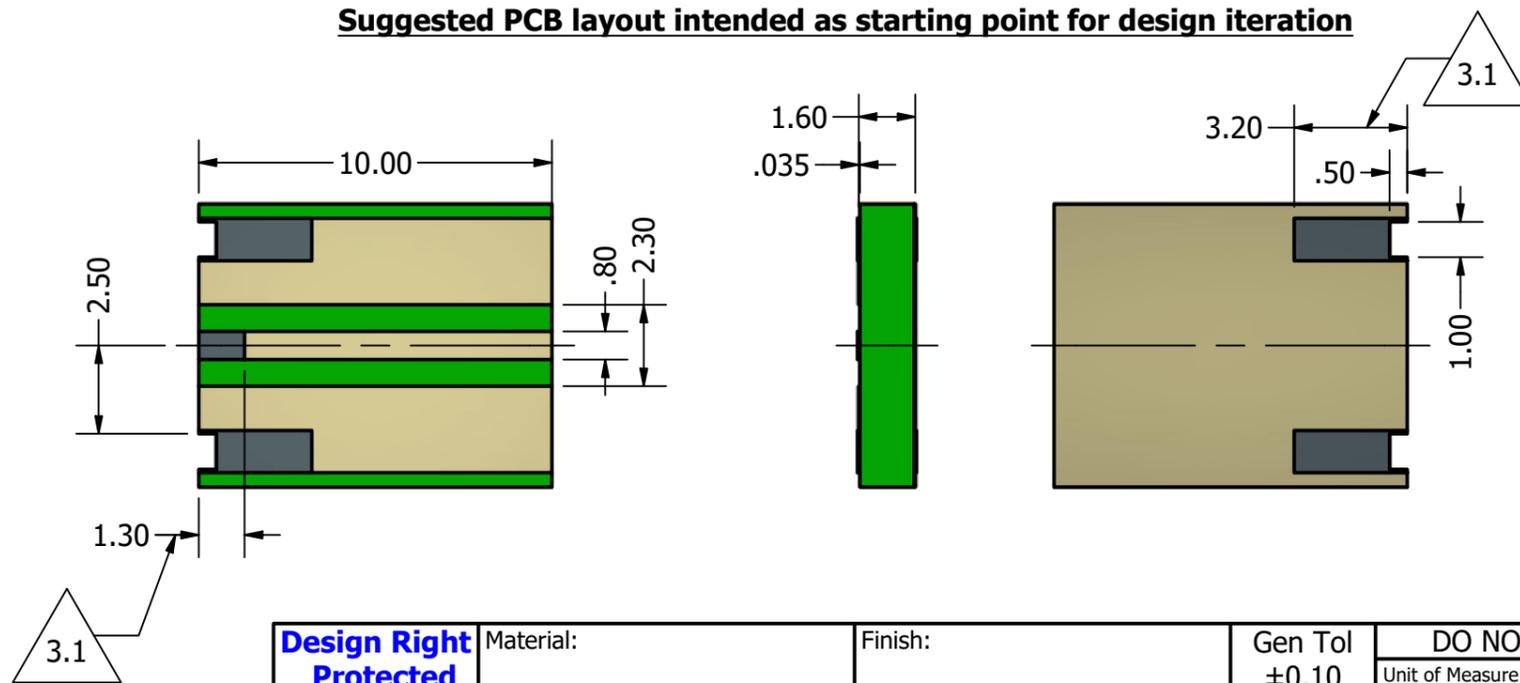
Center Pin	BeCu/10μ Au
Metal Parts	Brass / Au
Insulators	PTFE

Enviromental:

Temp Ranges:	-65 to +85°C
Mating Cycles:	500
Vibration	MIL-STD202 Method 204 test condition B
Salt Spray	MIL-STD-202 Method 101 test condition B



Suggested PCB layout intended as starting point for design iteration



Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
	Third Angle Projection		Designed by P. Fayers		Checked by	Approved by	Unit of Measure: millimeters (mm)
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 6GHz 75 ohm 1.0/2.3 Female Bulkhead Edge Mount Gold Plated Connector for 1.8mm PCB		©2024	Date 15 Dec 2011	A3
	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.		Part No: XGS-06-EB16-GG Cust		Issue 3.1	Sheet 2 / 2	