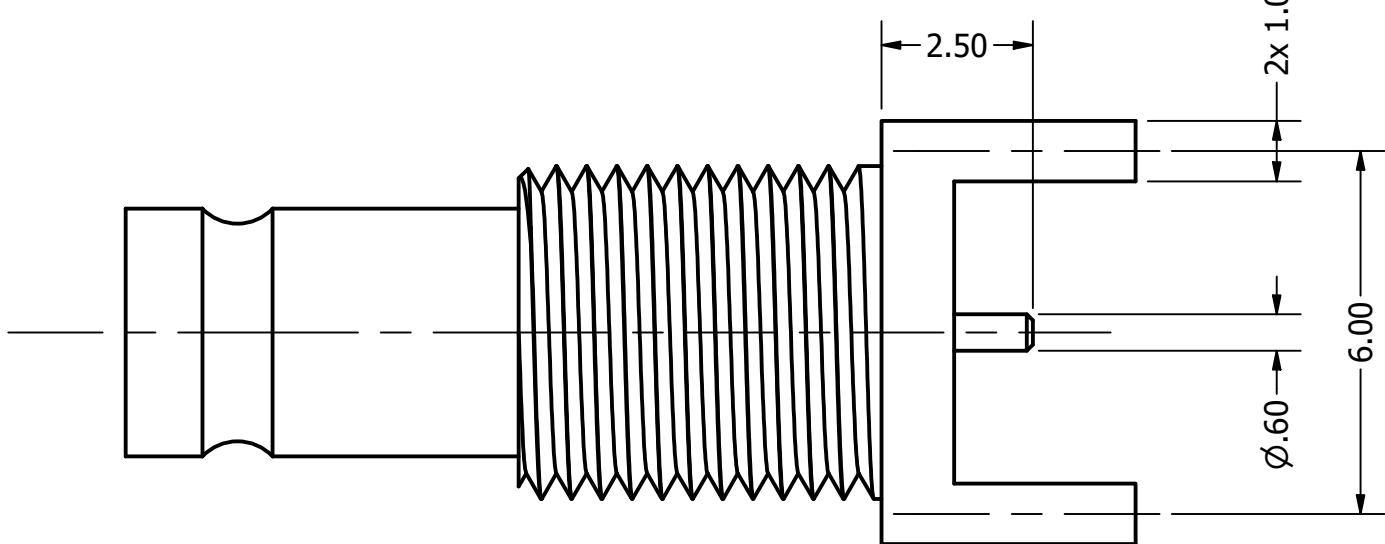
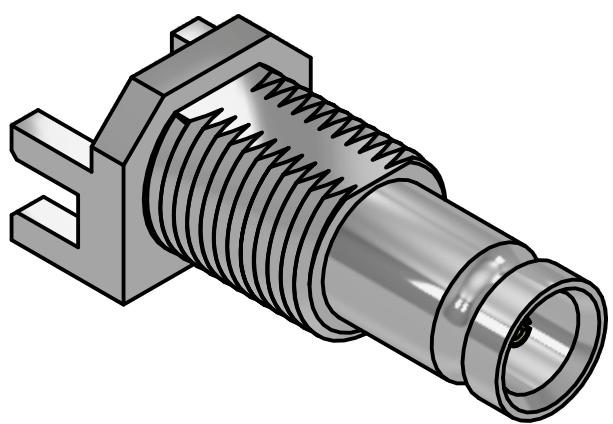


Recommended Panel Cut Out



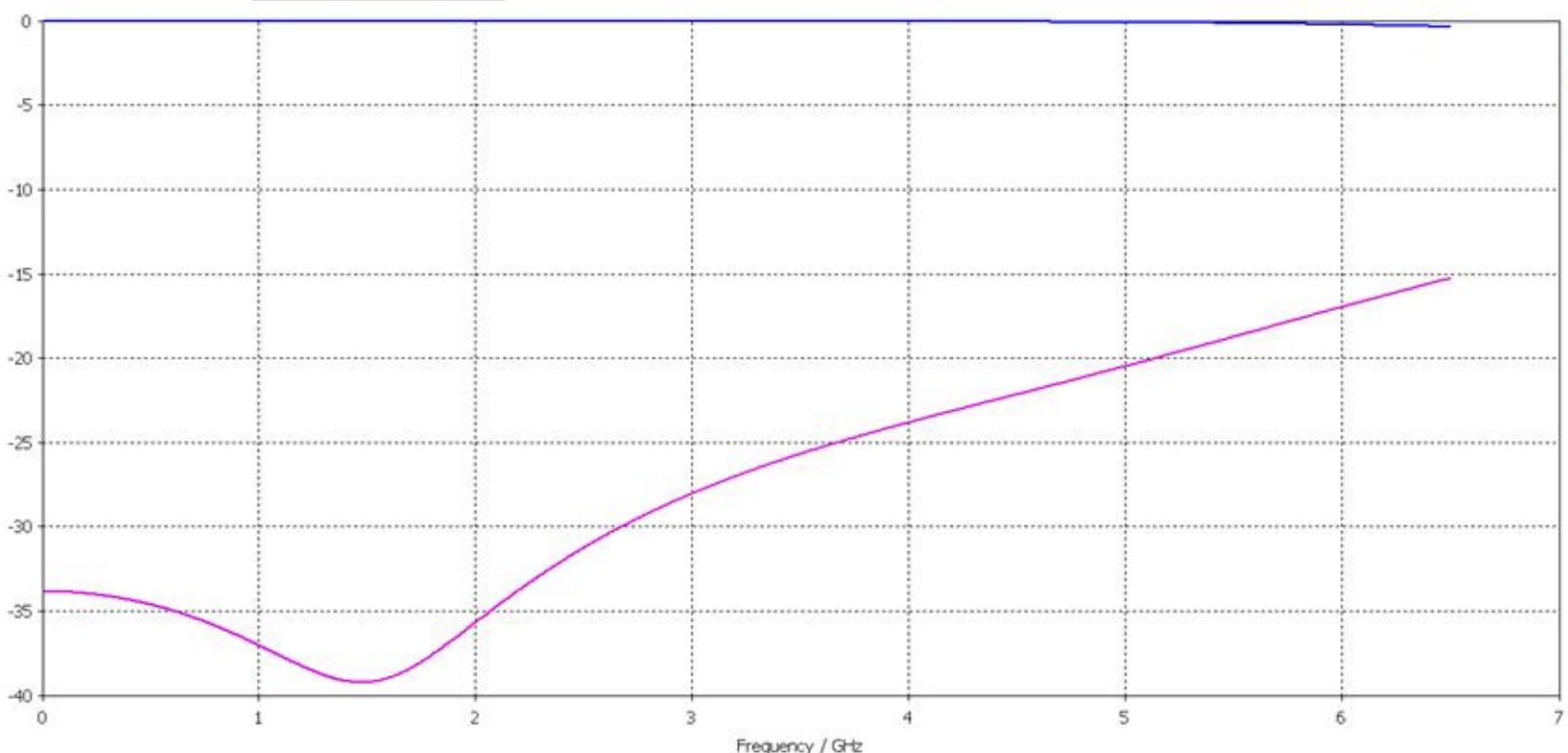
REVISION HISTORY				
REV	DESCRIPTION	DATE	DESIGNER	
3.0	Updated P/N	27 Jun 2024	Peter Millard	
				DO NOT SCALE
				Unit of Measure: millimeters (mm)

Design Right Protected 	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		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: 6GHz 75 ohm 1.0/2.3 Female Bulkhead Edge Mount Nickle Plated Connector for 1.8mm PCB	Part No: XGS-06-EB16-NN Cust
				Issue 3.0
				Sheet 1 / 2

6 5 4 3 2 1

Connector ONLY

S-Parameter Magnitude in dB



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

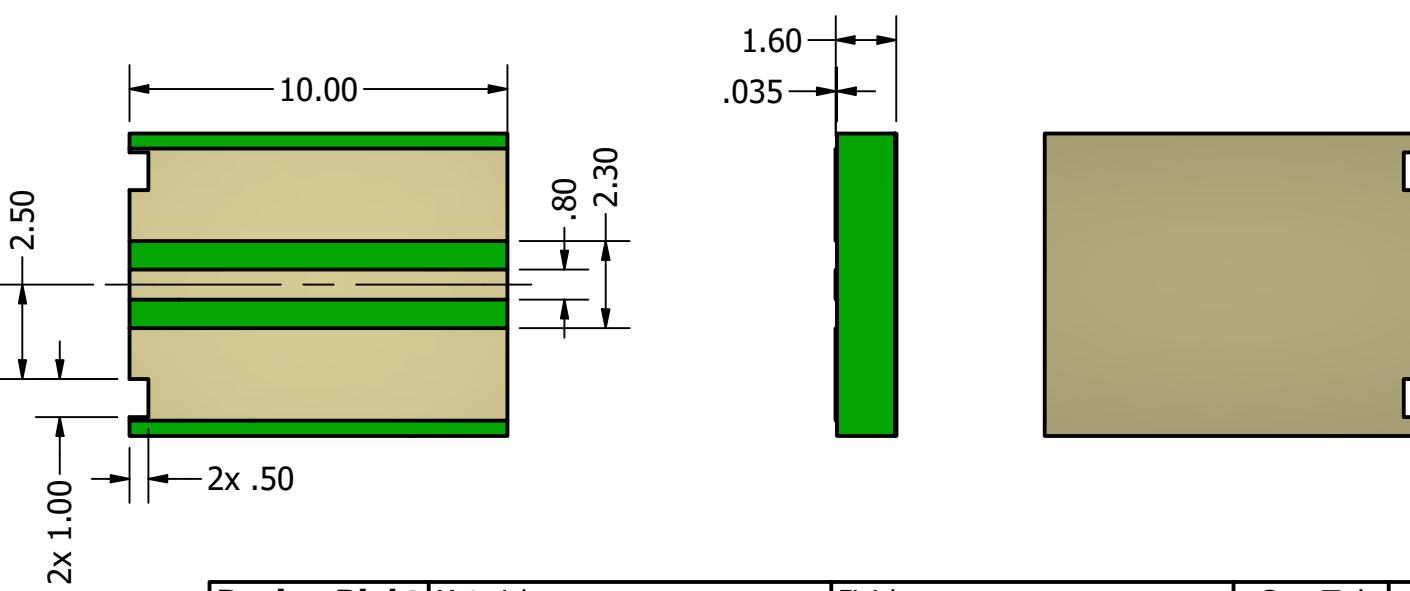
Materials:

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

Environmental:

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	DO NOT SCALE	
Third Angle Projection		Designed by P. Fayers	Checked by	Approved by	©2024	Date 15 Dec 2011
	RoHS Compliant		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: 6GHz 75 ohm 1.0/2.3 Female Bulkhead Edge Mount Nickle Plated Connector for 1.8mm PCB	Part No: XGS-06-EB16-NN Cust	Issue 3.0
					Sheet 2 / 2	