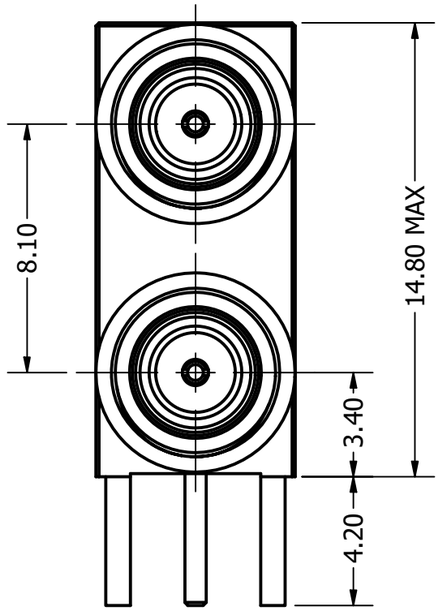
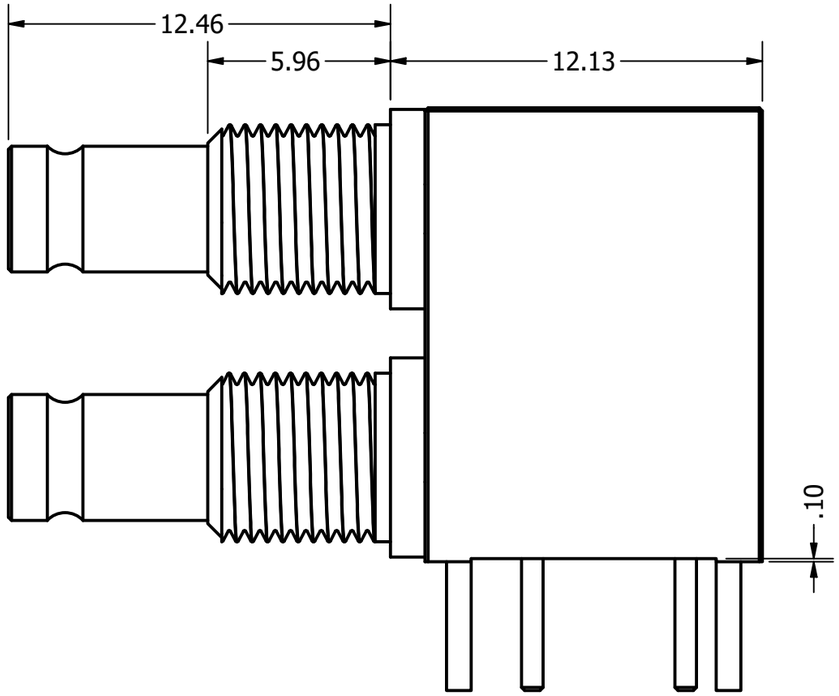
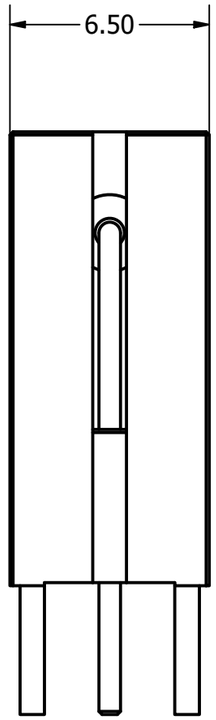
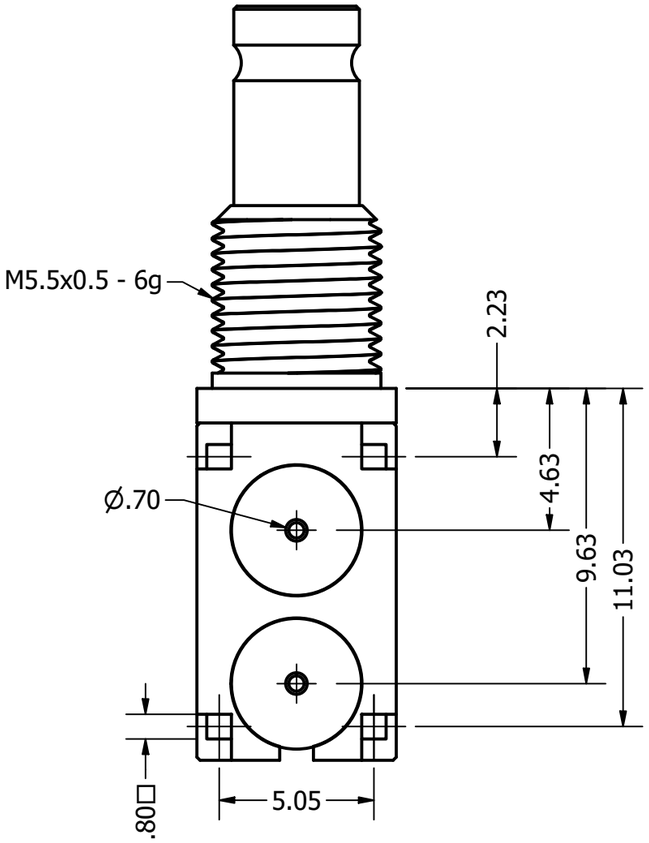
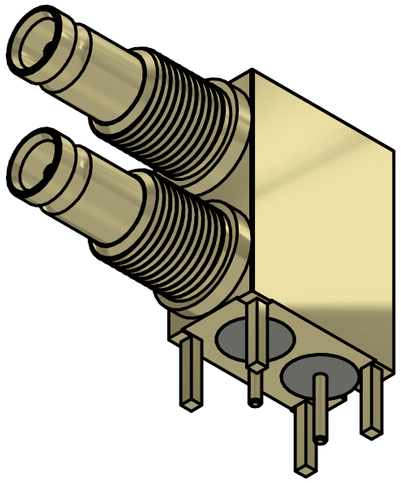






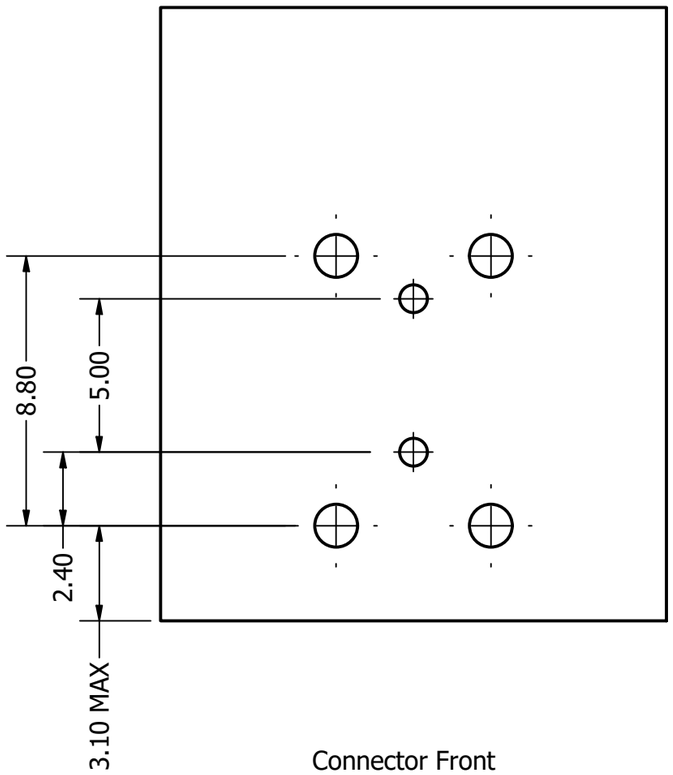




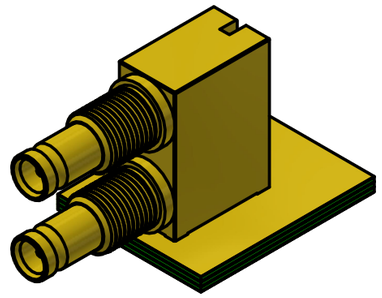
REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N from C-SX-167G	FB / INT	26 Feb 2024	Peter Millard
3.1	Updated Interface	FB / INT	09 Jul 2024	Peter Millard
3.2	Updated Insulators Tolerance	FB / SUPP	03 Dec 2024	Peter Millard
3.3	Updated Insulators Tolerance	FB / SUPP	09 Dec 2024	Peter Millard

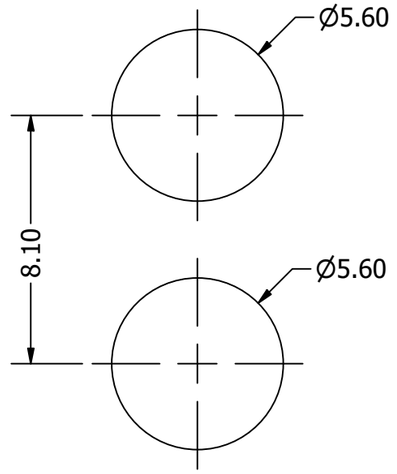
Design Right Protected	Material:	Finish:			Gen Tol ±0.10	DO NOT SCALE Unit of Measure: millimeters (mm)
Third Angle Projection	Designed by P.Fayers	Checked by	Approved by		©2024	Date 03 Jun 2016	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 6GHz 75 ohm 1.0/2.3 Female Dual Port R/A PCB Connector			
			Part No: XGS-06-RB42-GGD Cust		Issue 3.3	Sheet 1 / 3

PCB Footprint



Connector Front





Panel Cut Out

Design Right Protected	Material:	Finish:		Gen Tol ±0.10	DO NOT SCALE Unit of Measure: millimeters (mm)
Third Angle Projection	Designed by P.Fayers	Checked by	Approved by	©2024	Date 03 Jun 2016 — A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 6GHz 75 ohm 1.0/2.3 Female Dual Port R/A PCB Connector		
			Part No: XGS-06-RB42-GGD Cust	Issue 3.3	Sheet 2 / 3

Electrical:

Impedance	75 Ohms
Freq Range	0-6.0 GHz
Working Voltage	250 Vrms
Dielectric withstanding voltage	750 Vrms
Reflection Factor (VSWR)	1.07 Max DC-1.5 GHz
	1.14 Max 1.5GHz-3.0 GHz
	1.16 Max 3.0GHz-3.2 GHz
	1.31 Max 3.2GHz-6.0 GHz
Contact Resistance	Centre Contact 4.0 m Ohm
	Outer Contact 2.5 m Ohm
Insulation Resistance	> 1000 Meg Ohm

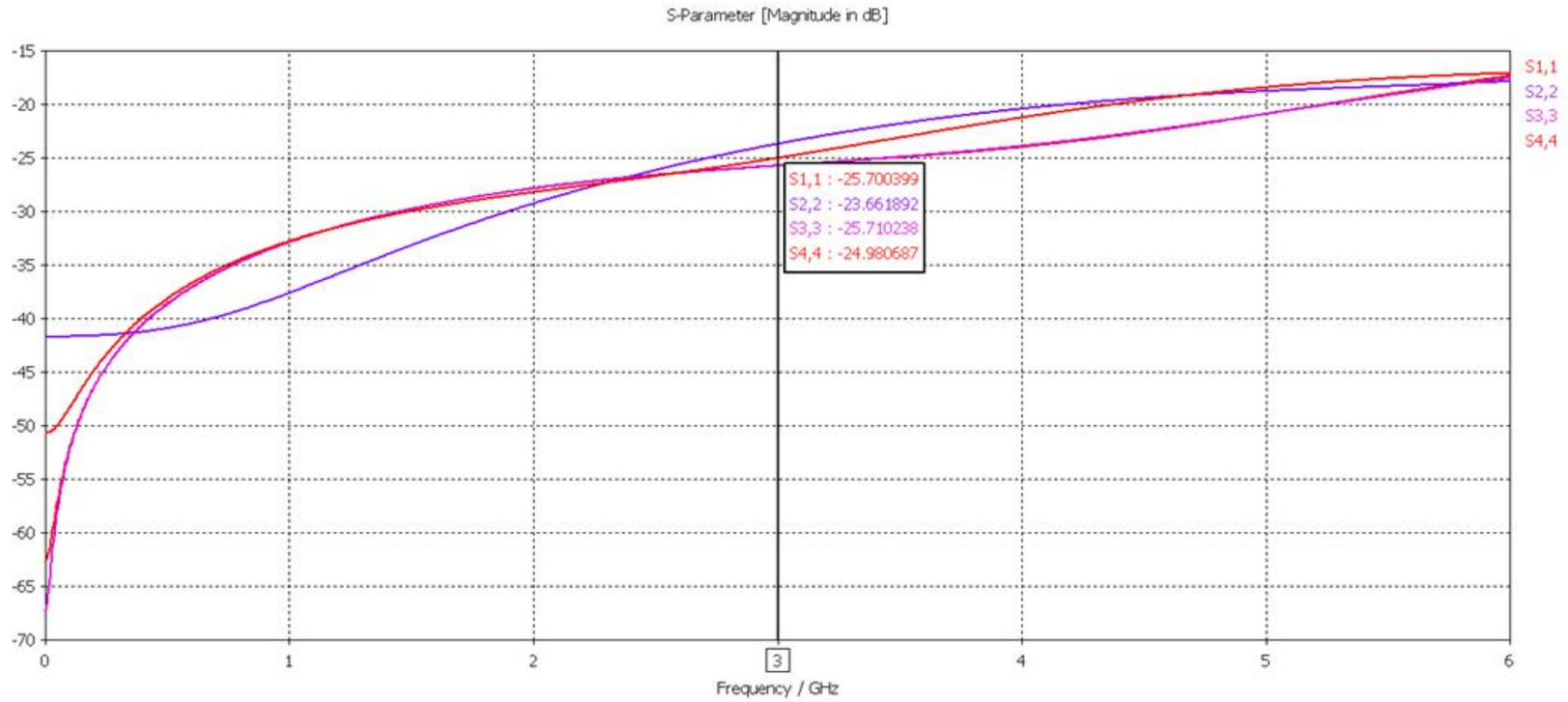
Materials:

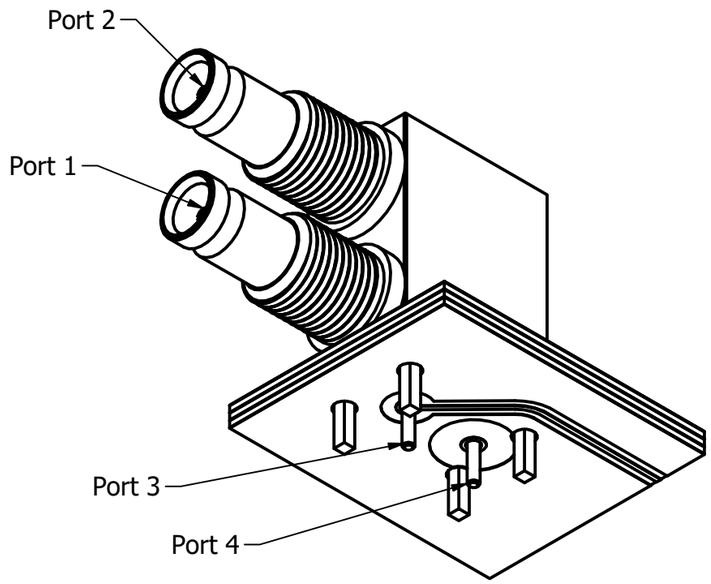
Centre Pin	BeCu /10u" Au
Metal Parts	Brass/Au
Insulators	PTFE

Enviromental:

Temp Range: -65 to +85°C

Mating cycles: 500





Port designations

Port 1 = PCB Lower Coax Connector
Port 2 = PCB Upper Coax Connector
Port 3 = Coax Lower
Port 4 = Coax Upper

Design Right Protected	Material:	Finish:		Gen Tol ±0.10	DO NOT SCALE Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by P.Fayers	Checked by	Approved by	©2024	Date 03 Jun 2016	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 6GHz 75 ohm 1.0/2.3 Female Dual Port R/A PCB Connector			
			Part No: XGS-06-RB42-GGD Cust		Issue 3.3	Sheet 3 / 3