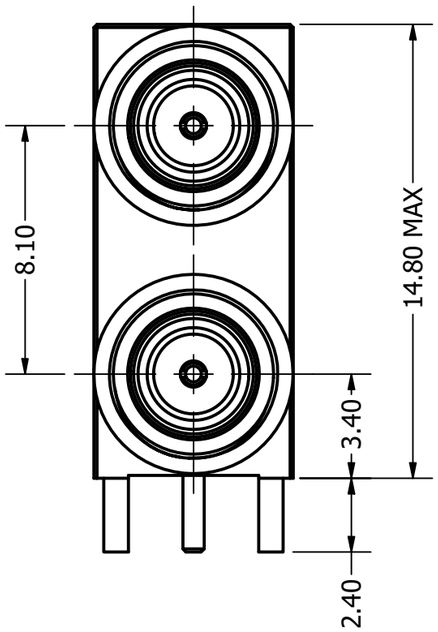
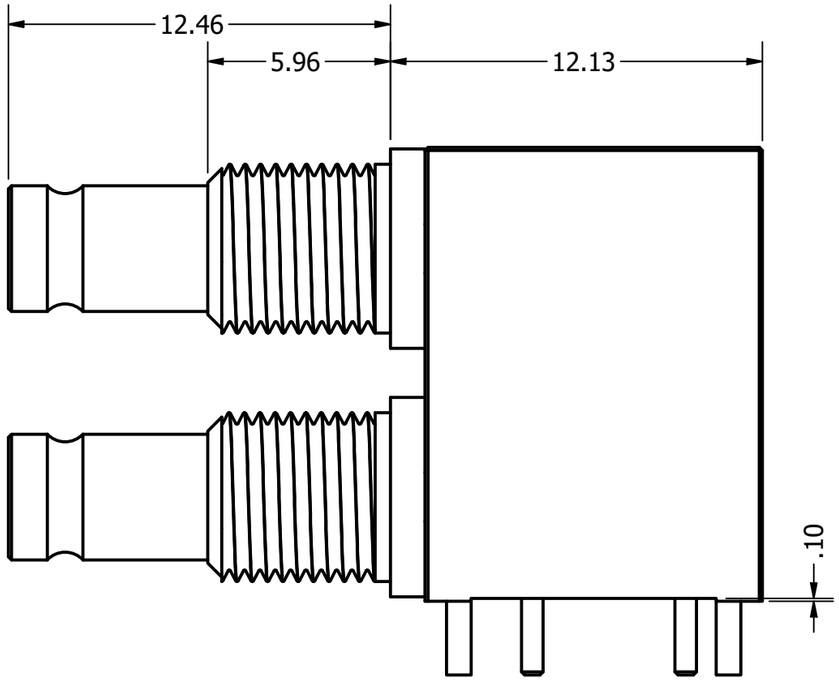
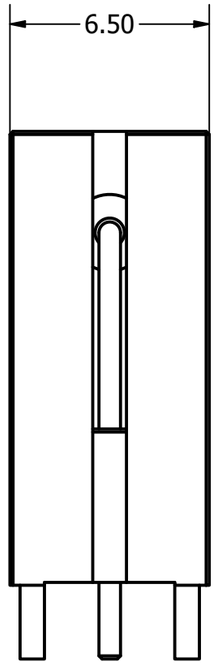
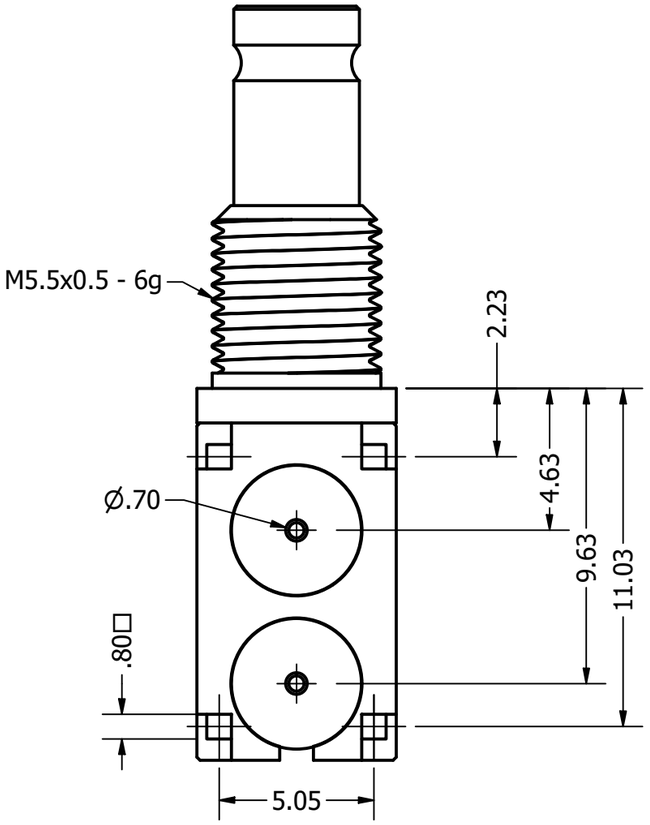
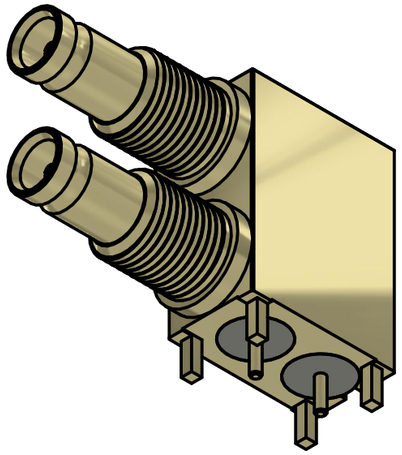










REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	21 Feb 2024	Peter Millard
3.1	Plating Update	FB / INT	08 Jul 2024	Peter Millard
3.2	Updated Insulator Tolerances	FB / SUPP	03 Dec 2024	Peter Millard
3.3	Updated Insulator Tolerances	FB / SUPP	09 Dec 2024	Peter Millard
3.4	Updated specification layout & description	FB / INT	21 Oct 2026	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

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Date 07 Sep 2012

A3

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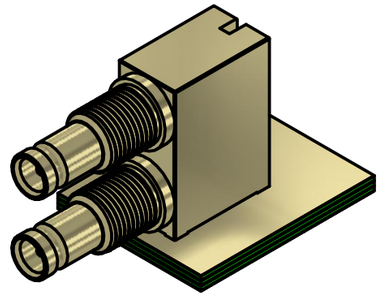
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Description: 75Ω DIN 1.0/2.3 Socket 6GHz Right Angle Bulkhead, 2.4mm Leg, Dual Port

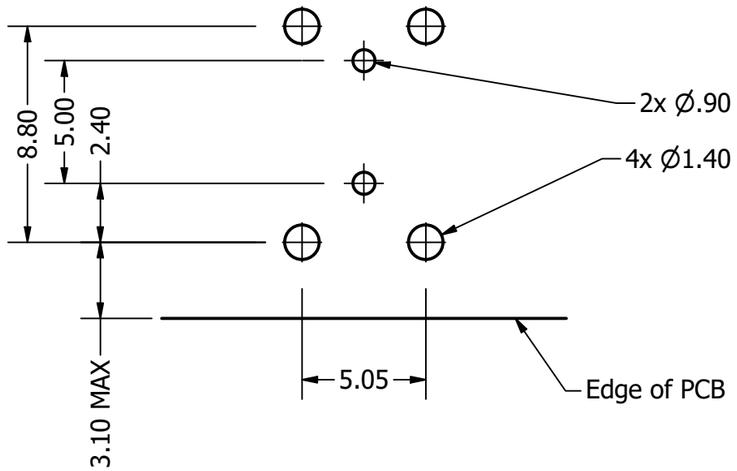
Part No: XGS-06-RB24-GGD Cust

Issue 3.4

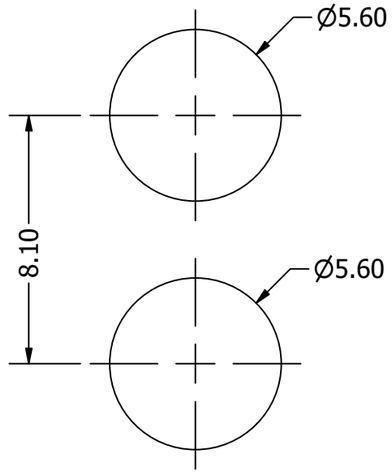
Sheet 1 / 3



Recommended PCB footprint

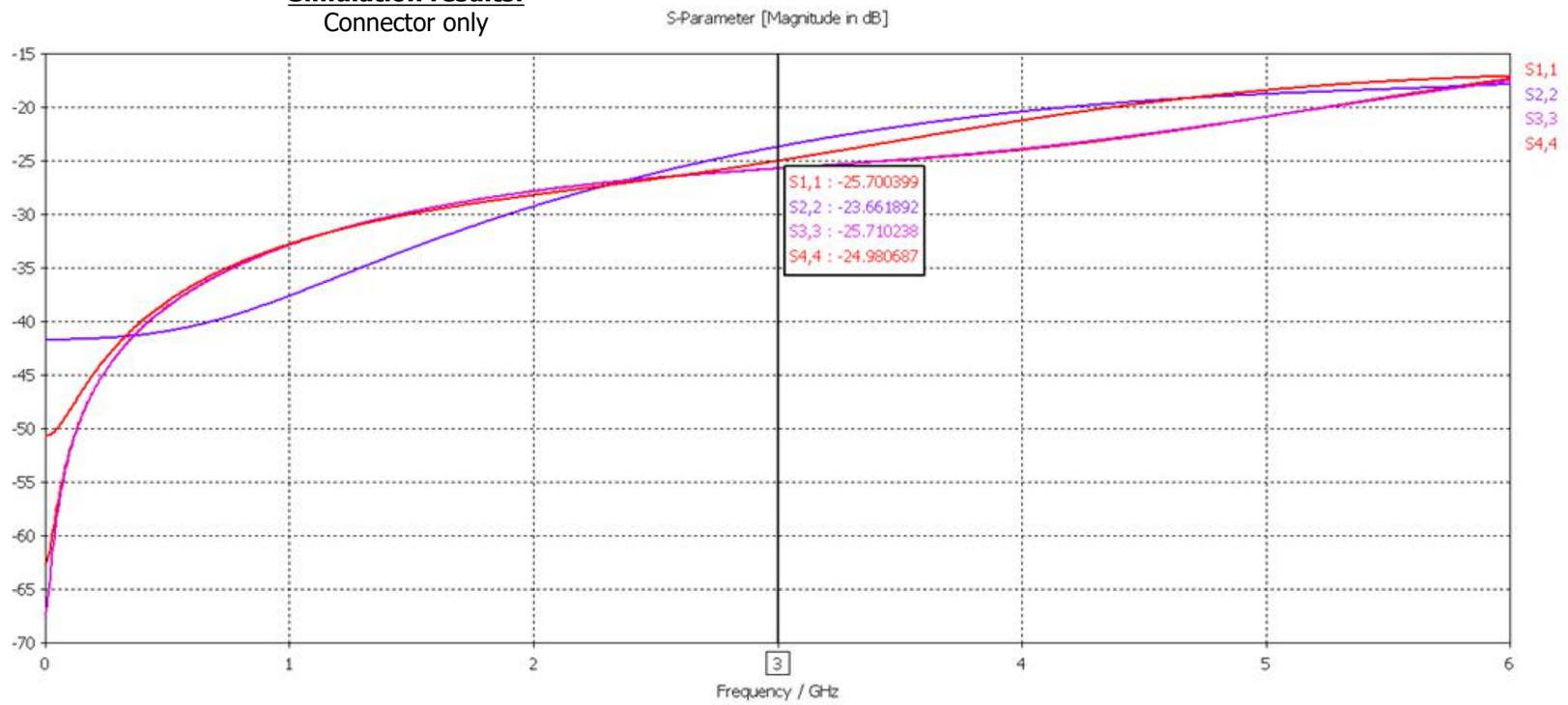


Recommended panel cutout



Design Right Protected	Material:	Finish:	Gen Tol ±0.10	DO NOT SCALE	
Third Angle Projection	Designed by P.Fayers	Checked by	Approved by	©2024	Date 07 Sep 2012	A3
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			Part No: XGS-06-RB24-GGD Cust	Issue 3.4	Sheet 2 / 3

Simulation results:
Connector only



Electrical:

Impedance	75Ω
Frequency range	DC ~ 6.0 GHz
Working voltage	250 V_{RMS}
Dielectric withstanding voltage	>750 V_{RMS}
Reflection factor (VSWR)	1.14 MAX DC ~ 3.0 GHz
	1.31 MAX DC ~ 6.0 GHz
Contact resistance	Centre contact ≤4.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥1000 MΩ

Materials:

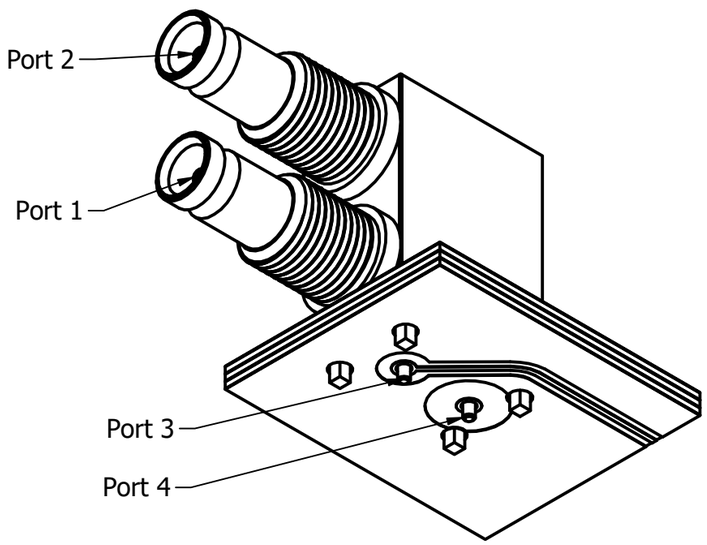
Centre contact	Beryllium Copper / Au plated
Metal parts	Brass / Au plated
Insulators	Polytetrafluoroethylene

Environmental:

Temp ranges	-65 ~ +85°C
Mating cycles	500
Vibration	MIL-STD-202 method 204 test condition B
Salt spray	MIL-STD-202 method 101 test condition B

Processing:

Hand solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Wave solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Reflow solder	Not recommended



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 07 Sep 2012	A3
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