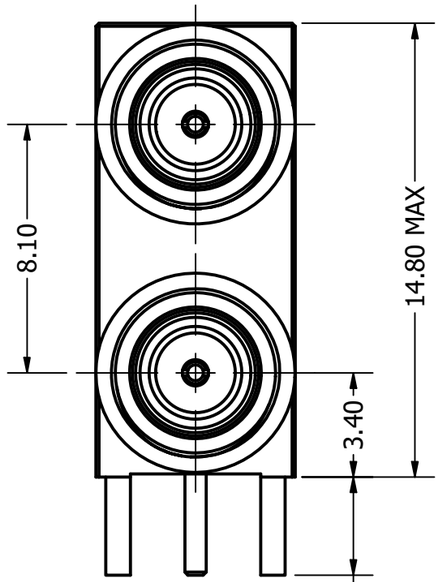
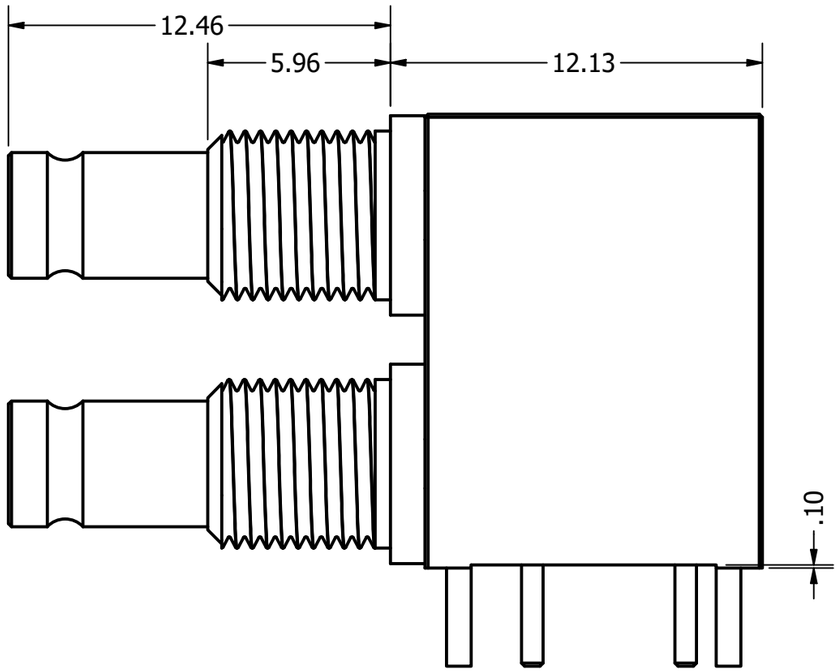
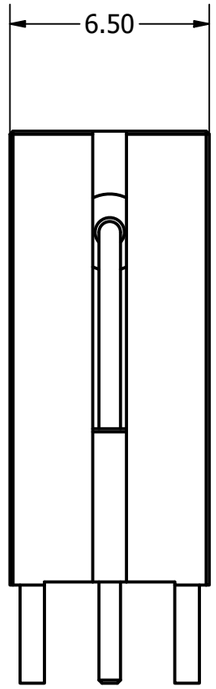
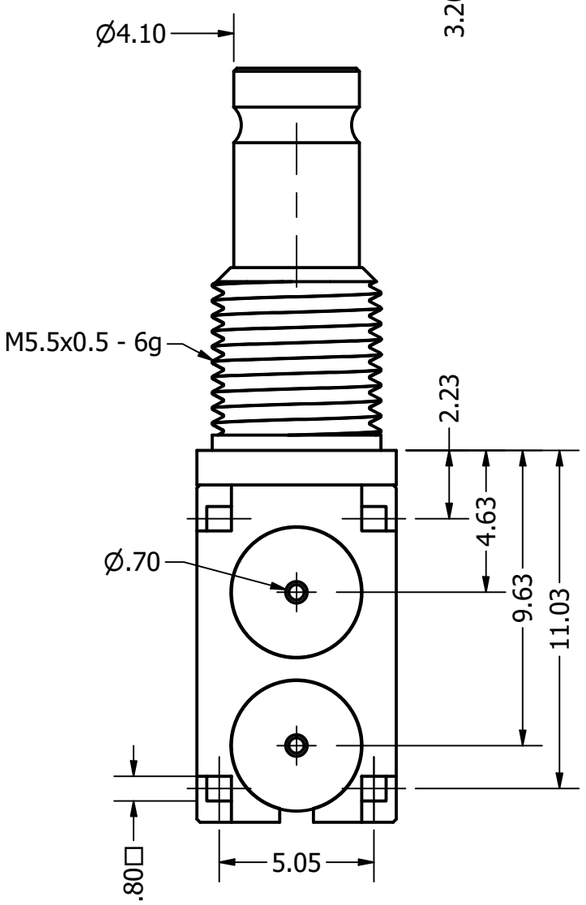
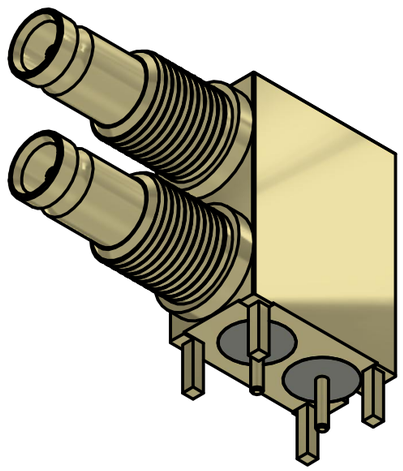


| REVISION HISTORY | | | | |
|---|---|---|---|---|
| REV | DESCRIPTION | CHG REF | DATE | DESIGNER |
| 3.0 | Updated P/N | FB / INT | 26 Feb 2024 | Peter Millard |
| 3.1 | Updated Interface | FB / INT | 09 Jul 2024 | Peter Millard |
| 3.2 | Updated Insulator Tolerance | FB / SUPP | 03 Dec 2024 | Peter Millard |
| 3.3 | Updated Insulator Tolerance | FB / SUPP | 09 Dec 2024 | Peter Millard |
| 3.4 | Body tolerance revised | FB / SUPP | 30 Jun 2025 | Peter Millard |
| 3.5 | 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

©2024

Date 15 May 2017

A3

**RoHS Compliant**

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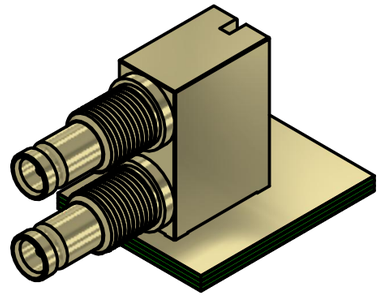
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Description:
75Ω DIN 1.0/2.3 Socket 6GHz Right Angle Bulkhead, 3.2mm Leg, Dual Port

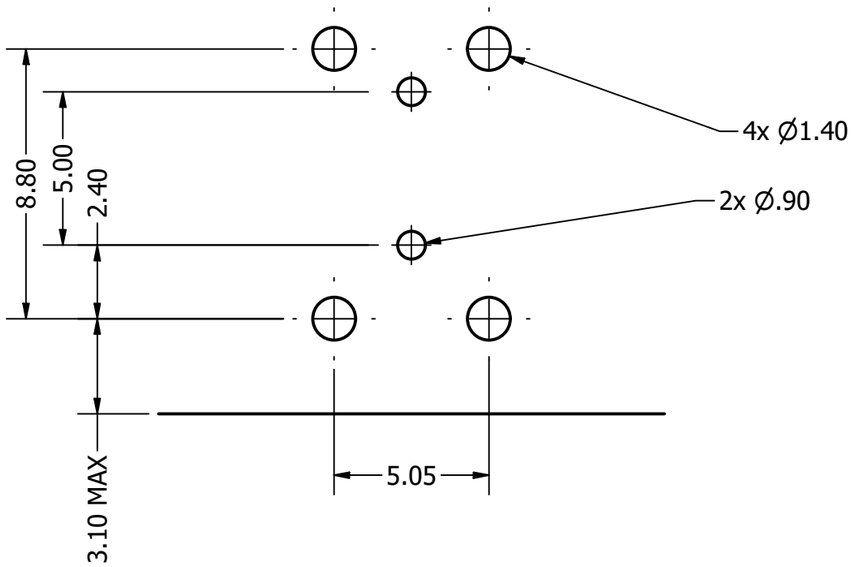
Part No: XGS-06-RB32-GGD Cust

Issue 3.5

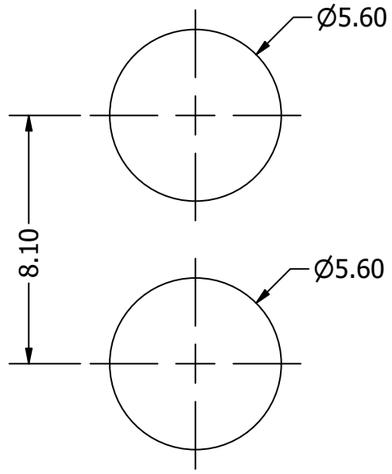
Sheet 1 / 3



## Recommended PCB footprint

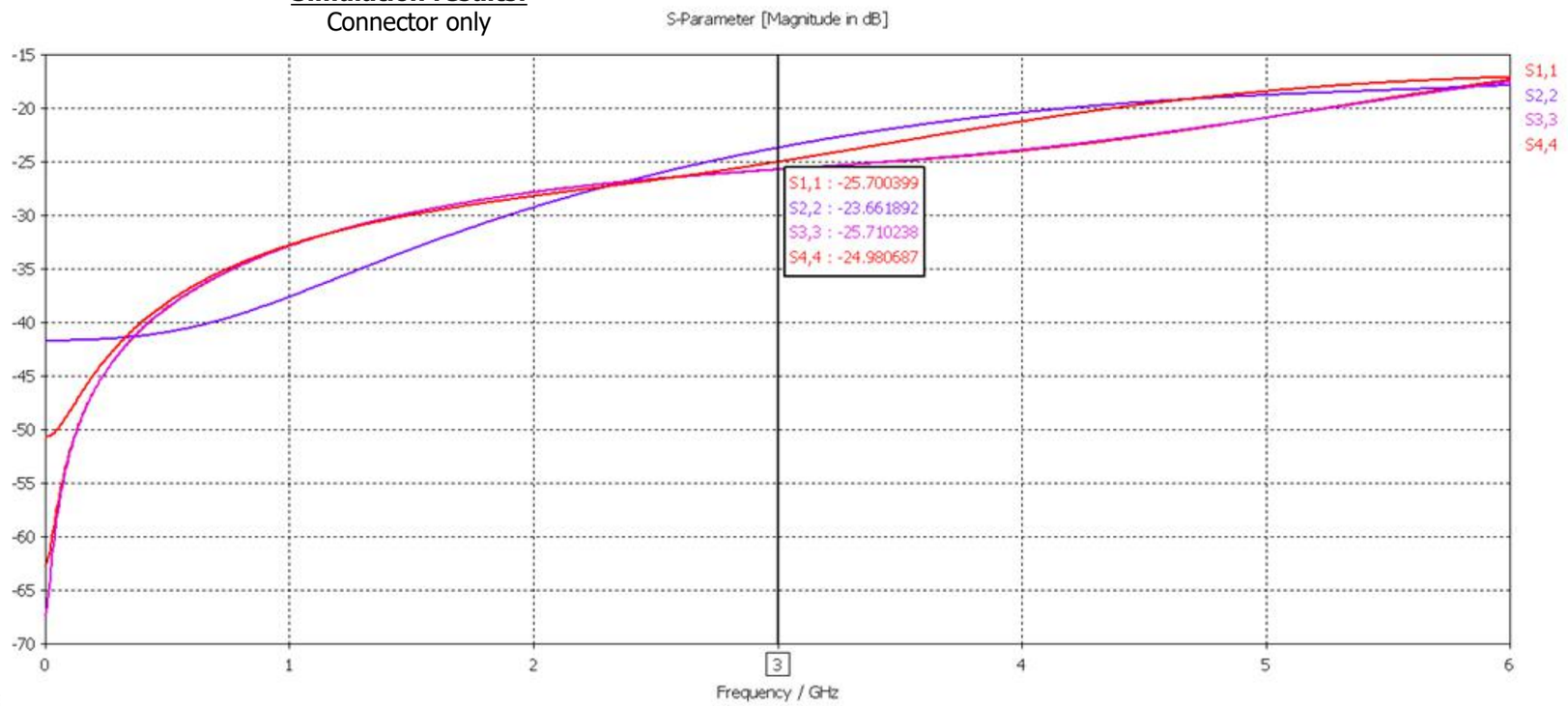



## Recommended panel cutout




| | | | | | |
|---|---|---|---|---|---|
| **Design Right Protected** | Material: | Finish: | Gen Tol ±0.10 | DO NOT SCALE<br>Unit of Measure: millimeters (mm) | |
| Third Angle Projection | Designed by P.Fayers | Checked by | Approved by | ©2024 | Date 15 May 2017 | A3 |
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| | | | Part No: XGS-06-RB32-GGD Cust | Issue 3.5 | 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) | 0.00 MAX DC ~ 3.0 GHz |
| | 0.00 MAX DC ~ 6.0 GHz |
| Contact resistance | Centre contact ≤4.0 mΩ |
| | Outer contact ≤2.5 mΩ |
| Insulation resistance | ≥1000 MΩ |

**Materials:**

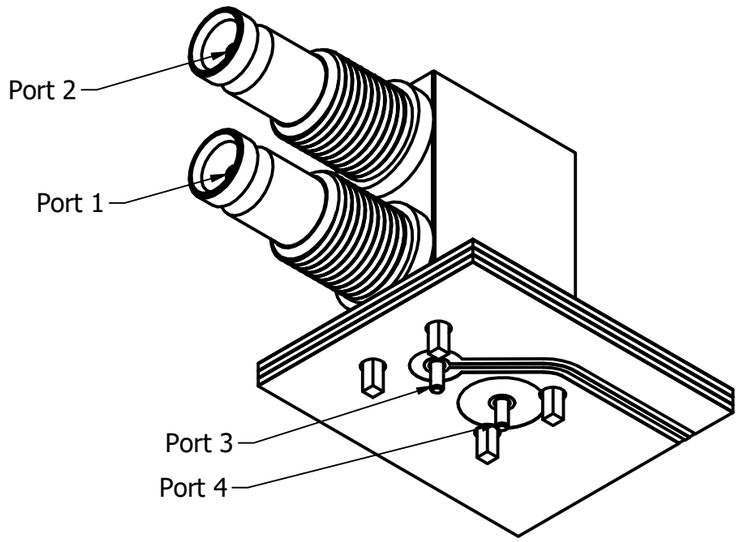
| | |
|---|---|
| Centre contact | Beryllium Copper / Au plated |
| Metal parts | Brass / Ni plated |
| Insulators | Polytetrafluoroethylene |

**Environmental:**

| | |
|---|---|
| Temp ranges | -65 ~ +85°C |
| Mating cycles | 500 |
| Vibration | N/A ^ MIL-STD-202 method 204 test condition B |
| Salt spray | N/A ^ 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 ^ Recommended / 245°C MAX |




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 15 May 2017 | A3 |
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| | | | Part No: XGS-06-RB32-GGD Cust | | Issue 3.5 | Sheet 3 / 3 |