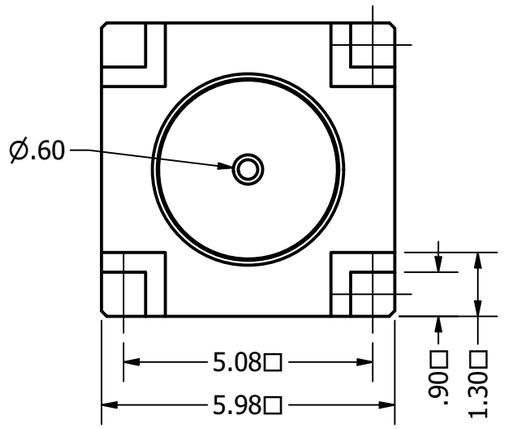
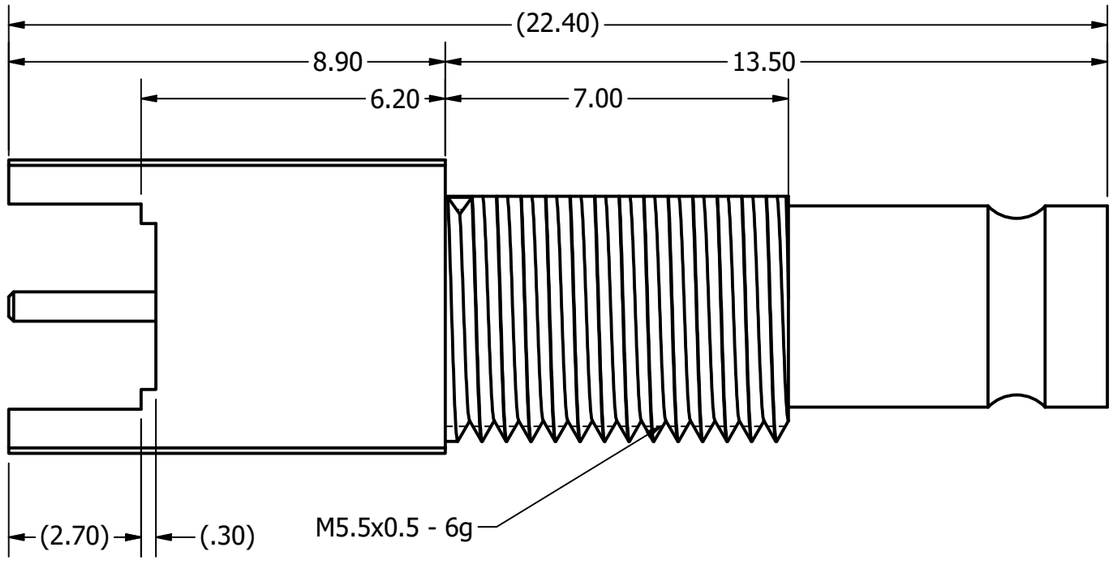
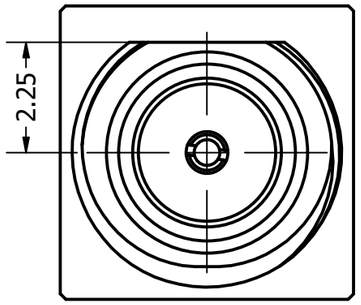
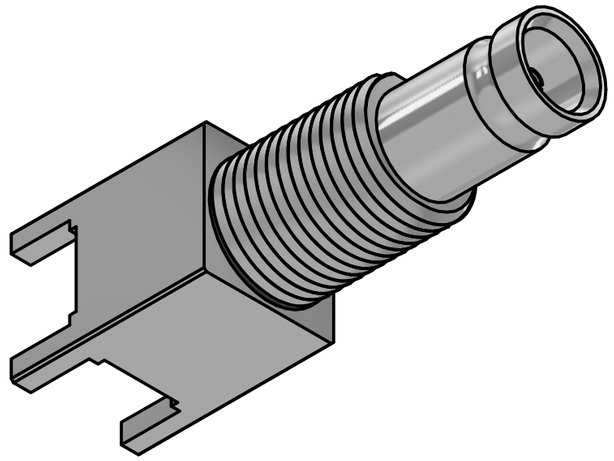
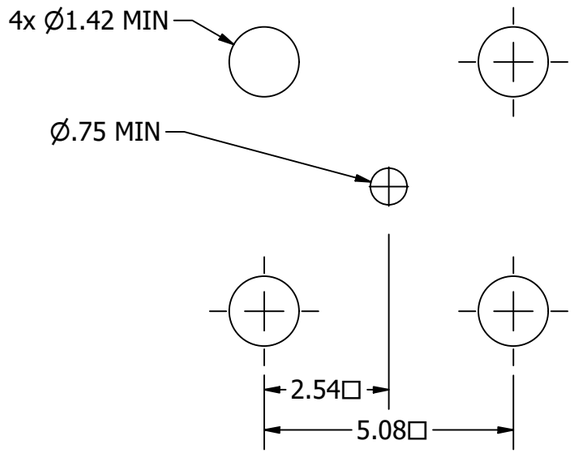


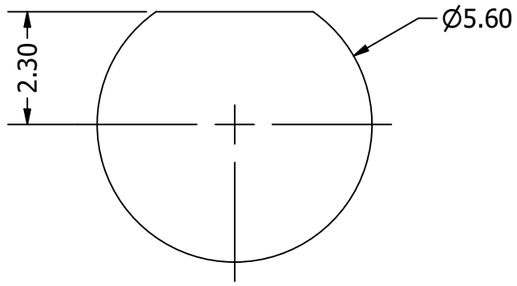






**Recommended PCB footprint**

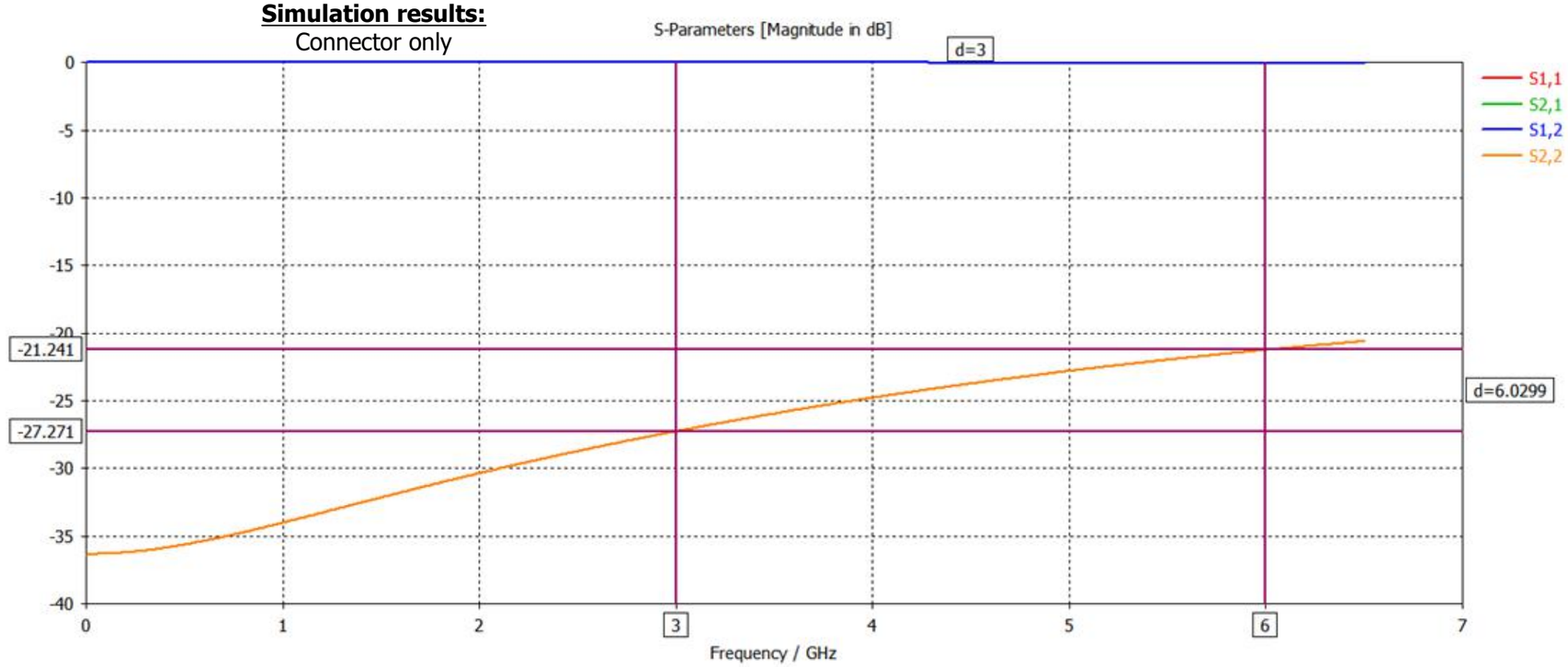



**Recommended panel cutout**

| REVISION HISTORY | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | DESIGNER |
| 3.0 | Updated P/N | 09 Jul 2024 | Peter Millard |
| 3.1 | Body Tolerance updated | 04 Mar 2025 | Peter Millard |
| 3.2 | Updated specification layout & description | 21 Oct 2026 | Peter Millard |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Design Right Protected** | Material: | Finish: | | Gen Tol ±0.10 Angular ±2° | DO NOT SCALE | |
| | | | | | Unit of Measure: millimeters (mm) | |
| Third Angle Projection | Designed by P. Fayers | Checked by | Approved by | ©2024 | Date 22 Feb 2017 | A3 |
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| | | | Part No: XGS-06-TB27-NNL Cust | Issue 3.2 | Sheet 1 / 2 | |

**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) | 1.10 MAX DC ~ 3.0 GHz |
| | 1.20 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 | 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Design Right Protected** | Material: | Finish: | | Gen Tol ±0.10 Angular ±2° | DO NOT SCALE | |
| Third Angle Projection | Designed by P. Fayers | Checked by | Approved by | ©2024 | Date 22 Feb 2017 | A3 |
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| | | | Part No: XGS-06-TB27-NNL Cust | Issue 3.2 | Sheet 2 / 2 | |