**Specifications:**

- **Weight:** 2.68 oz / 76 g
- **Operating Temperature:** -20°C to +70°C
- **Successful testing to -40°C at WHOI has been performed.**

**Iridium:** Iridium 9523

**GPS:** u-blox MAX-70-0

**Microcontroller:** Atmel SAM3S4CA-AU

**FPGA:** Actel AGLN250V2-VQG100

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**Mating Connector Info:**

The mating connectors listed do not have a Pin 1 indicator that matches the connectors on the Micromodem. The FCI 10068573 series does have the correct Pin 1 indicator to match the Micromodem but availability of this series has been limited if at all. Please take the necessary precautions to make sure any wiring that interfaces the Micromodem matches the pinout of the connectors installed on the Micromodem board.

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**Power Consumption:**

- **Idle:** ~100mW @ 12V
- **Iridium RX:** ~600mW @ 12V
- **Iridium TX:** ~7W @ 12V
- **Hibernate:** 1.3mW @ 12V

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**Unless Otherwise Noted:**

1. Tolerances: Decimal ± 0.001
   Angular ± 0.5 Deg
2. Dimensions are in Inches
3. Break All Sharp Edges
4. Surface Finishes Critical for O-Ring Surfaces
5. Material: Generic
6. Finish:

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**Design:** Keenan Ball

**Engineer:** Keenan Ball