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Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	250038-ASM	Micromodem 2 Single-RX PSK Stack
2	1	202007b	Linear Low Source Level Power Amplifier
3	1	250421	Chassis MM to LP PA with Ears

Specifications:

Part Numbering: 250027-xxxx
where -xxxx represents the magnetic matching network required for a particular transducer. Matching network specification may change over time.

Input Voltage Range: 10.5V-36VDC

Power Consumption (Preliminary and Subject to Change):

Hibernate: xxxW @ 12VDC

Idle: xxxW @ 12VDC

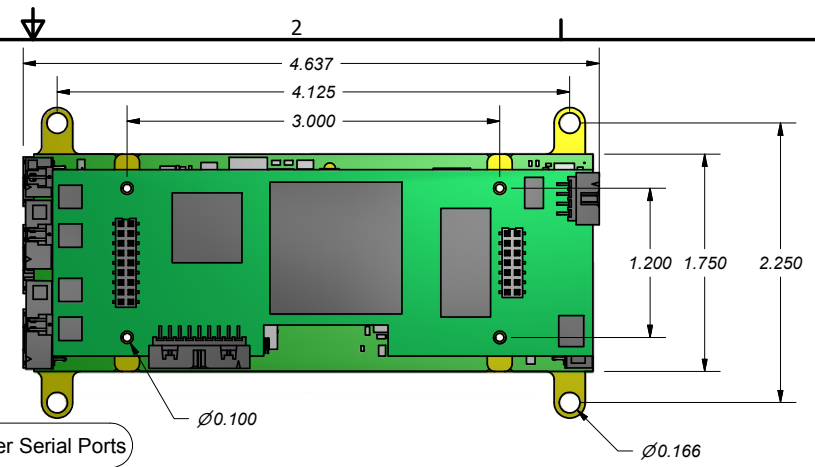
Receive (FSK): xxxW @ 12VDC

Receive (PSK): xxxW @ 12VDC

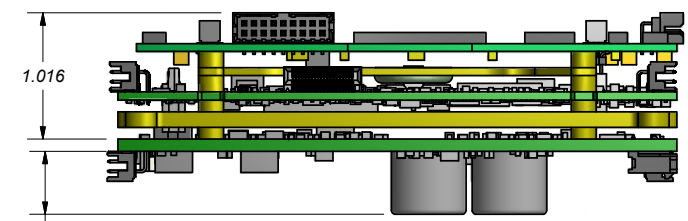
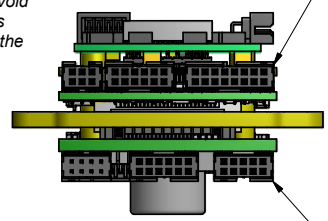
Transmit: Dependent on Transducer and Matching Network

Handling: High voltage DC components are present and exposed on the bottomside of the power amplifier. Please take the necessary precautions to avoid shorting circuitry on the board. A minimum of 0.313" clearance is recommended between the bottom side of the circuit board and the nearest mechanical component.

Schematic: Refer to 250027-SCH for typical wiring inter-connects.



MM J3 - User Serial Ports

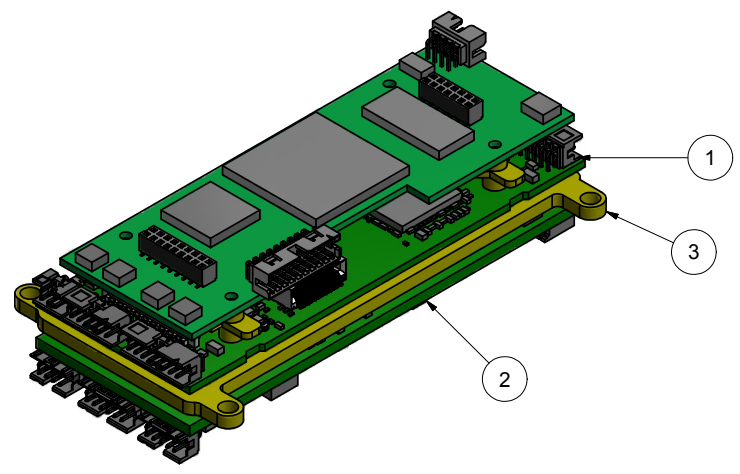
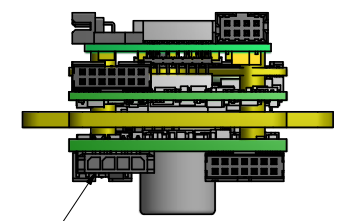


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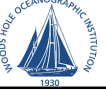
0.505

PA P5 - Power I/O

PA P3 - Transducer



Unless Otherwise Noted:	
1. Tolerances: Decimal	Angular
.XX \pm 0.01	\pm 1 Deg
.XXX \pm 0.005	
2. Dimensions are in Inches	
3. Break All Sharp Edges	
4. Surface Finishes Critical for O-Ring Surfaces	
5. Material:	
6. Finish:	
Designer: Keenan Ball	5/7/2015
Engineer: Keenan Ball	5/7/2015

				Woods Hole Oceanographic Institution	
				Acoustic Communications Group	
				86 Water Street, Dept. 4 MS 18, Woods Hole, MA 02543	
Drawing Title:					
Micromodem 2 Single-RX PSK with LP Power Amplifier					
Size: B	Cage Code: 88846	Drawing Number: 250027-ASM	Rev: A		
Sheet 1 of 1					