

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	202006	Power Amplifier, RFF, Wide Input	
2	1	250403	Chassis, MM to PA	
3	1	203004	Micromodem 6713 Coprocessor	
4	1	250417	Chassis Micromodem 2 Accessory Spacer 7mm	
5	1	201005b	Micromodem 2.0	

Specifications:

Part Numbering: 250035-xxxx
 where -xxxx represents the magnetic matching network required for a particular transducer.

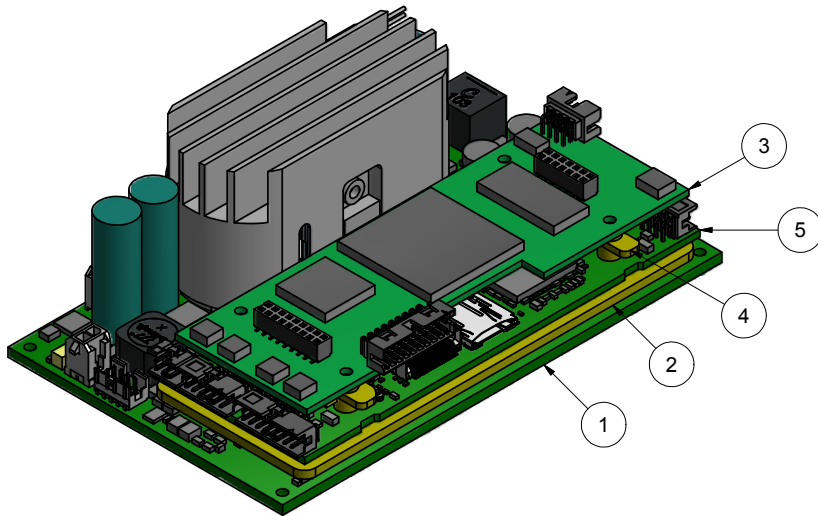
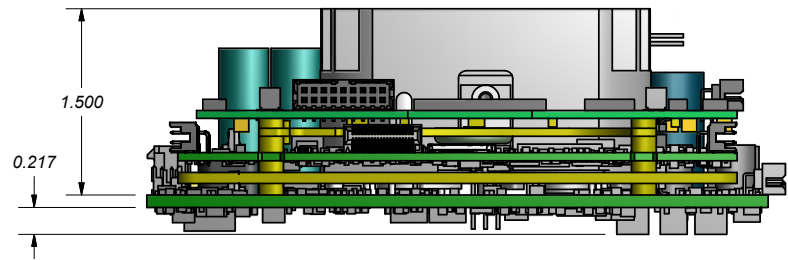
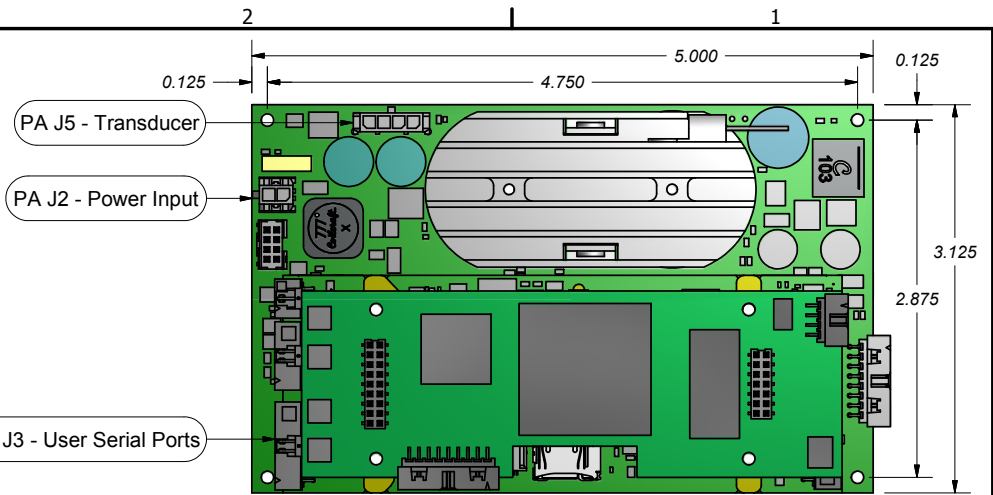
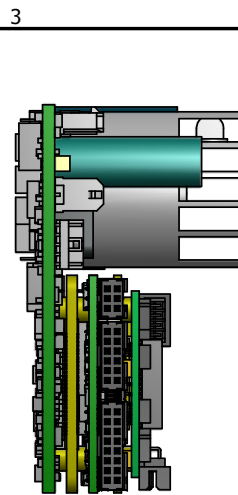
Weight: 0.688lbs / 311g

Input Voltage Range: 10.5V-48VDC (>36VDC may require special configuration)

Power Consumption (As of 2018-01 with appropriate hardware firmware revisions):
 Hibernate: 0.96mW @ 12VDC
 Idle: 0.82W @ 12VDC
 Receive (FSK): 0.82W @ 12VDC
 Receive (S-PSK): 2.74W @ 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 250035-SCH for typical wiring inter-connects.



Unless Otherwise Noted:
 1. Tolerances: Decimal Angular
 .XX ± 0.01 ± 1 Deg
 .XXX ± 0.005
 2. Dimensions are in Inches
 3. Break All Sharp Edges
 4. Surface Finishes Critical for O-Ring Surfaces
 5. Material:
 6. Finish:

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 RFF Power Amplifier

Designer:	Keenan Ball	10/11/2018	Size:	Cage Code:	Drawing Number:	Rev:
Engineer:	Keenan Ball	10/11/2018	B	88846	250035-ASM	B

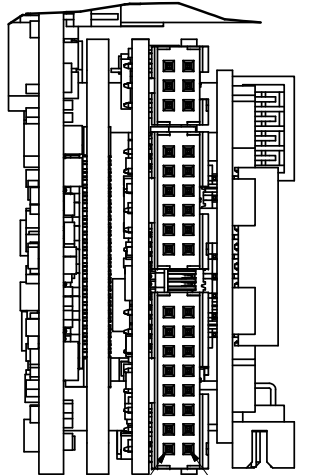
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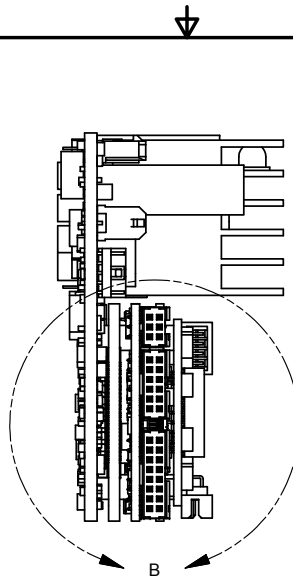
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DETAIL B
SCALE 2 : 1



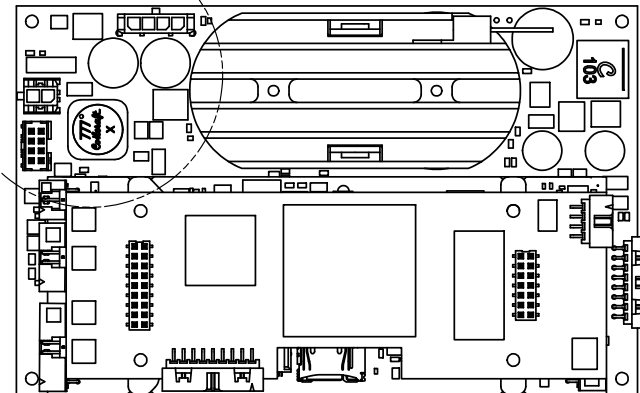
MM J3.2

MM J3.1



B

A



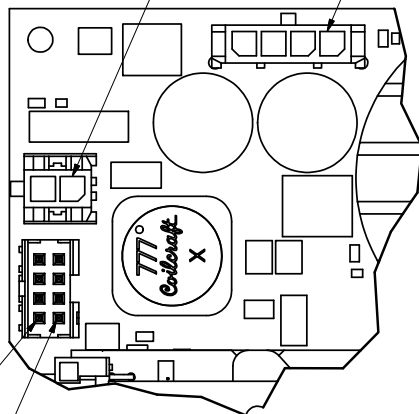
B

B

A

A

DETAIL A
SCALE 2 : 1



PA J2.1

PA J5.1

PA J3.2


PA J3.1

4

3

2

1

<p>Unless Otherwise Noted:</p> <p>1. Tolerances: <u>Decimal</u> <u>Angular</u> .XX ± 0.01 ± 1 Deg .XXX ± 0.005</p> <p>2. Dimensions are in Inches 3. Break All Sharp Edges 4. Surface Finishes Critical for O-Ring Surfaces 5. Material: 6. Finish:</p>		 <p>Woods Hole Oceanographic Institution Acoustic Communications Group 86 Water Street, Dept. 4 MS 18, Woods Hole, MA 02543</p>				
<p>Drawing Title: Micromodem 2 Single-RX PSK with RFF Power Amplifier</p>		<p>Sheet 2 of 2</p>				
Designer:	Keenan Ball	10/11/2018	Size: B	Cage Code: 88846	Drawing Number: 250035-ASM	Rev: B
Engineer:	Keenan Ball	10/11/2018				

4

3

2

1