

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	202006	Power Amplifier, RFF, Wide Input
2	1	203001e	Multi-Channel Analog Input
3	1	250403	Chassis, MM to PA
4	1	203004	Micromodem 6713 Coprocessor
5	1	201005b	Micromodem 2.0
6	1	250417	Chassis Micromodem 2 Accessory Spacer 7mm
7	1	250407	Chassis, MM to Accessory

Specifications:

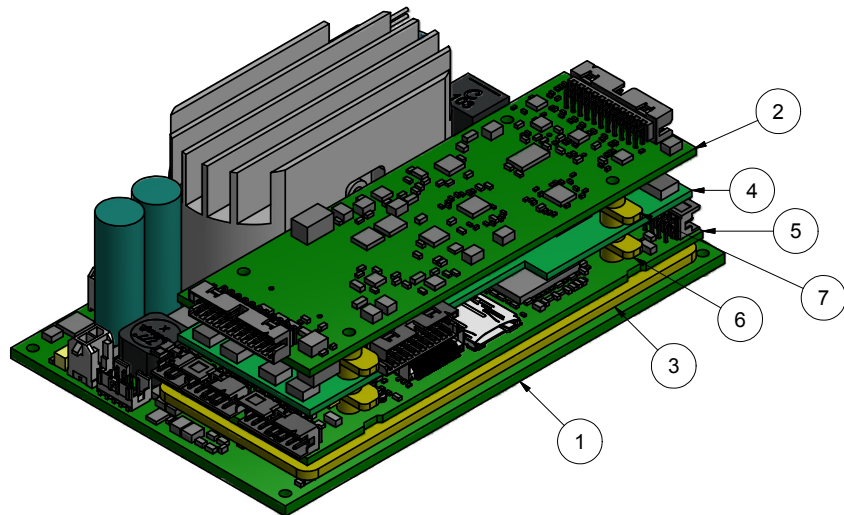
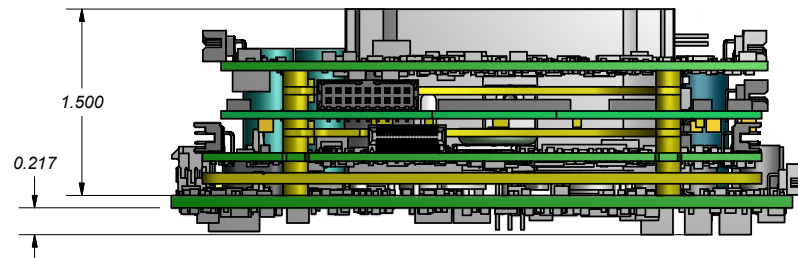
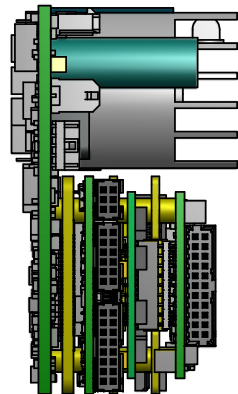
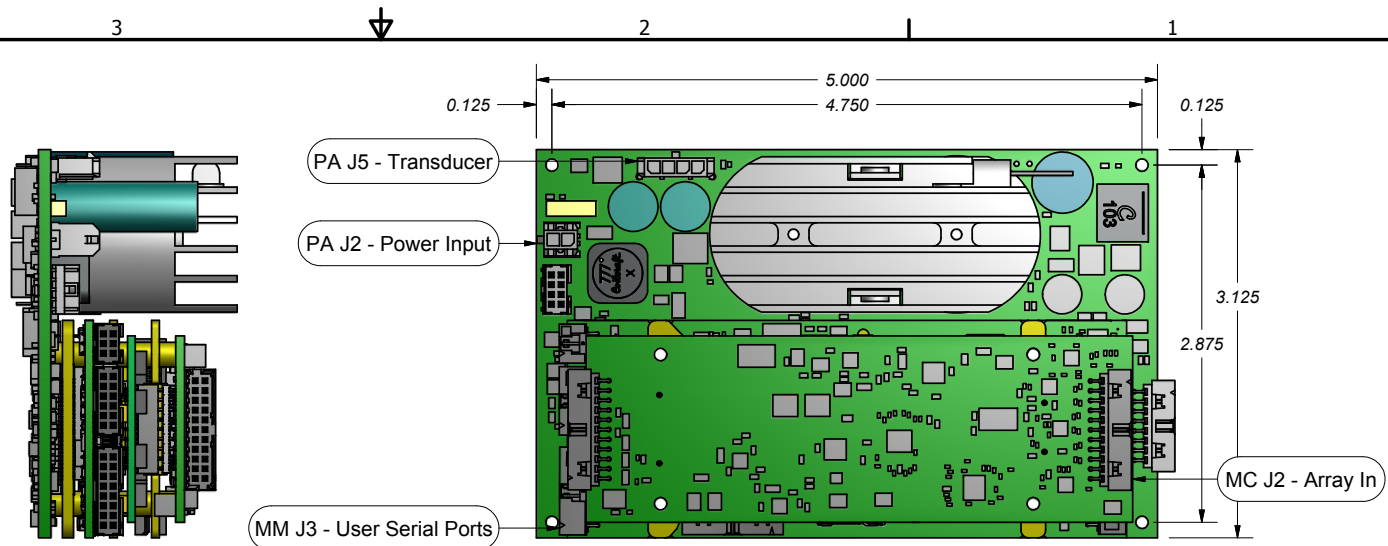
Part Numbering: 250032-xxxx
 where -xxxx represents the magnetic matching network required for a particular transducer. Matching network specification may change over time.

Input Voltage Range: 9V-48VDC

Power Consumption (Preliminary and Subject to Change):
 Hibernate: 0.67W @ 12VDC
 Idle: 1.38W @ 12VDC
 Receive (FSK): 1.38W @ 12VDC
 Receive (PSK): 2.90W @ 12VDC with 4-Element Array
 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 250032-SCH for typical wiring inter-connects.



Unless Otherwise Noted: 1. Tolerances: <u>Decimal</u> 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  1920 Woods Hole Oceanographic Institution Acoustic Communications Group 86 Water Street, Dept. 4 MS 18, Woods Hole, MA 02543				
		Drawing Title: Micromodem 2 Multi-RX PSK with RFF Power Amplifier				
Designer:	Keenan Ball	11/14/2013	Size:	Cage Code:	Drawing Number:	Rev:
Engineer:	Keenan Ball	11/14/2013	B	88846	250032-ASM	A
				Sheet 1 of 2		

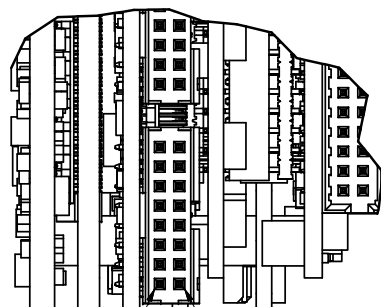
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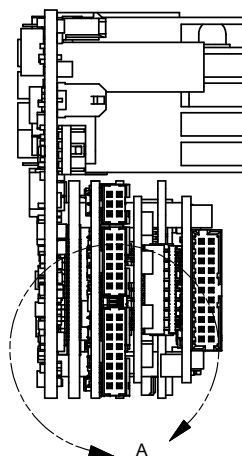
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DETAIL A
SCALE 2 : 1



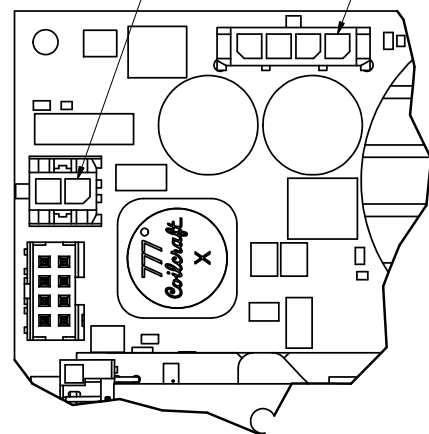
MM J3.2

MM J3.1

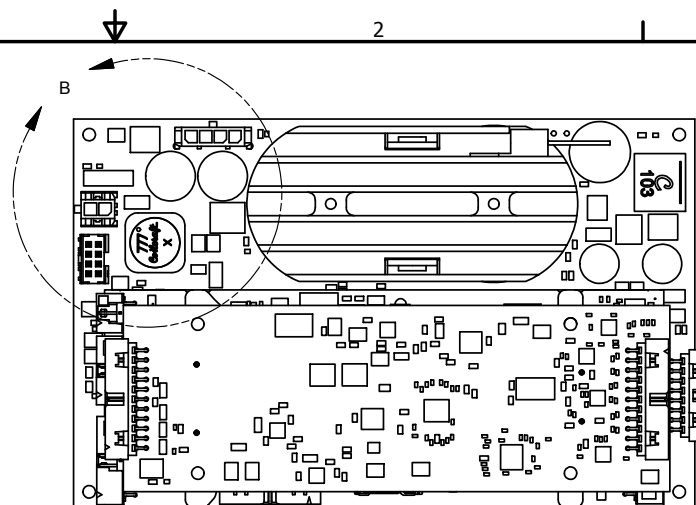


PA J2.1

PA J5.1



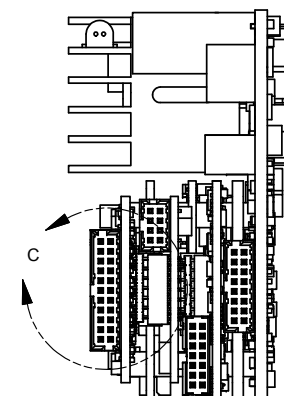
DETAIL B
SCALE 2 : 1



MC J2.1

MC J2.2

DETAIL C
SCALE 2 : 1



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 $.XX \pm 0.01$ $\pm 1 \text{ Deg}$
 $.XXX \pm 0.005$
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

11/14/2013

Engineer: Keenan Ball

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Woods Hole Oceanographic Institution
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**Micromodem 2 Multi-RX PSK with RFF
 Power Amplifier**

Size:

B

Cage Code:

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Rev:

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Sheet 2 of 2

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