

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	202006	Power Amplifier, RFF, Wide Input
2	1	250403	Chassis, MM to PA
3	1	201005b	Micromodem 2.0

Specifications:

Part Numbering: 250029-xxxx
where -xxxx represents the magnetic matching network required for a particular transducer.

Weight: 0.625lbs / 283g

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: 0.82W @ 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 250029-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:

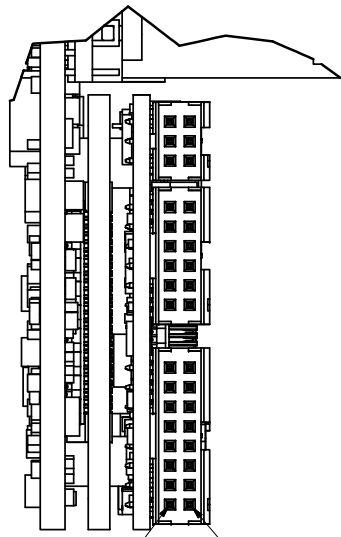


Woods Hole Oceanographic Institution
Acoustic Communications Group
86 Water Street, Dept. 4 MS 18, Woods Hole, MA 02543

Drawing Title:
Micromodem 2 with RFF Power Amplifier

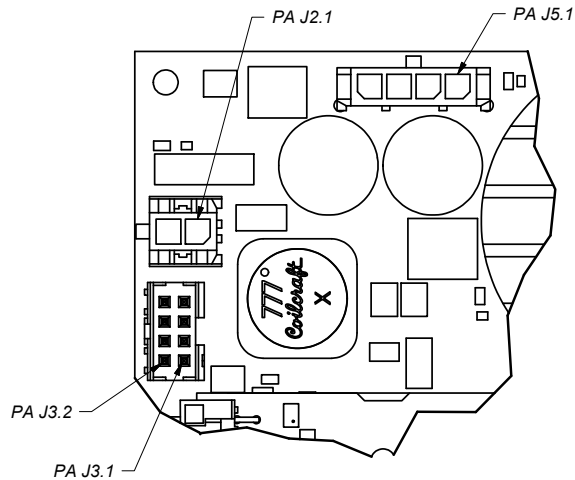
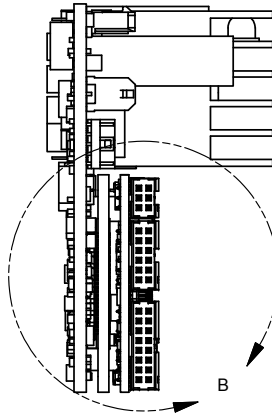
Designer:	Keenan Ball	10/11/2018	Size:	Cage Code:	Drawing Number:	Rev:
Engineer:	Keenan Ball	10/11/2018	B	88846	250029-ASM	B

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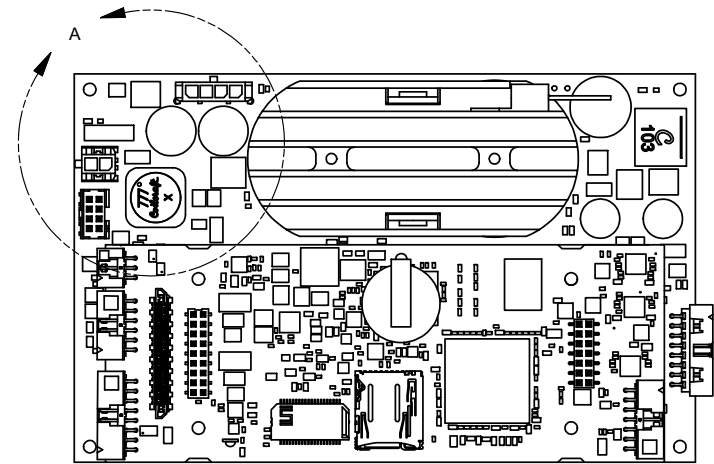


MM J3.2 MM J3.1

DETAIL B
SCALE 2 : 1



DETAIL A
SCALE 2 : 1



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