### Parts List

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>202006</td>
<td>Power Amplifier, RFF, Wide Input</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>20403</td>
<td>Chassis, MM to PA</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>203004</td>
<td>Micromodem 6713 Coprocessor</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>250417</td>
<td>Chassis Micromodem 2 Accessory Spacer 7mm</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>801005s</td>
<td>Micromodem 2.0</td>
</tr>
</tbody>
</table>

### 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 (PSK): 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 bottom side 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 interconnects.
Detail A
Scale 2:1

Detail B
Scale 2:1

Micromodem 2 Single-RX PSK with RFF Power Amplifier

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:

Designer: Keenan Ball  10/11/2018
Engineer: Keenan Ball  10/11/2018

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Drawing Title: 250035-ASM
Sheet 2 of 2

Size: B  Cage Code: 88846  Drawing Number: 250035-ASM  Rev: B