

## 1 / 4 WATT RESISTORS:

1K (BRN-BLK-RED)  
1.5K (BRN-GRN-RED)  
2.2K (RED-RED-RED)  
2.7K (RED-VIO-RED)  
10K (RED-BRN-ORG) QTY=2  
33K (ORG-ORG-ORG)  
47K (YEL-VIO-ORG)  
0 Ohm (BLK) (Mod jumper)

## CAPACITORS:

22 pf (220) (frequency Mod)  
82 pf (820) QTY=2  
[1000 pf (102) QTY=2] Use 0.1uF instead  
0.047uf (473)  
0.1uf (104) QTY=6  
10uf QTY=3

## SEMICONDUCTORS:

PN2222 transistor  
2N3866 (House Branded, see Schematic)  
2N3906 transistor  
1N5818 diode  
1N914/4148 diode

## INDUCTORS

22uh axial (RED-RED-BLK-Gld)  
100uh axial (BRN-BLK-BRN-Gld)

## 40 m PARTS:

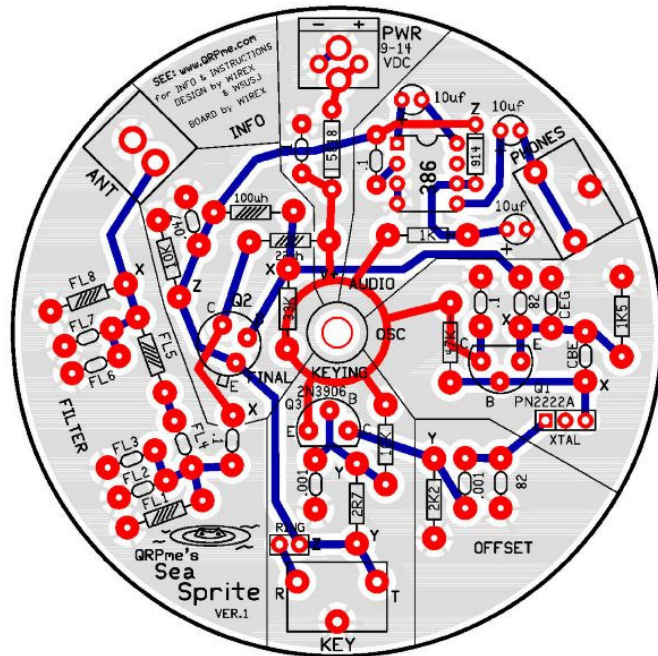
LM396 audio amp IC  
40 m crystal 7122 kHz  
100 pf (101) QTY=2  
47 pf (470) FL4  
1000 pf (102) QTY=2 FL2/FL7  
1200 pf (122) QTY=2 FL3/FL6  
10 uH (Brn-Blk-Brn-Gld) FL5  
0.22 uH (Red-Red-Slvr-Slvr) QTY=2 FL1/FL8

## MISCELLANEOUS PARTS:

Stereo Jack, pcb mount QTY=2  
RCA Jack, pcb mount QTY=2  
8-pin IC socket  
6-pin SIP socket (Cut 3, 1, 1, 1)  
2-pin screw terminal block  
2x1x.1" straight male header  
2x1x.1" jumper  
TO-5 heat sink

# Sea Sprite

## List of Materials LOM



## Component Locations

### 2.5 MHz Bandpass Filter (optional)

FL1, FL8 - 10 turns #26 on T25-2

Or FL1, FL8 - 9 turns #26 on T30-6 Note: measure inductance and adjust as needed for FL1, FL8 toroid inductors

FL2/FL7 - 1200 pF 122 COG/K1J

FL3/FL6 - 100 pF 101 COG/K1J

FL4 - 82 pF 820 COG/K1J

FL5 - 2.2 uH plus 3.9 uH in series (6.1 uH nom)

Or, FL5 - 41 turns #28 on T30-6 Note: measure inductance and adjust as needed for FL5 toroid inductor