The original circuit design is by Charles Wenzel. I used his schematic to design the layout; this can be found at http://www.techlib.com/electronics/vlfwhistle.htm.

<table>
<thead>
<tr>
<th>Notes (2)</th>
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<tbody>
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<td>- The design of this VLF radio is not my own. The original design is by Charles Wenzel. I used his schematic to design the layout; this can be found at <a href="http://www.techlib.com/electronics/vlfwhistle.htm">http://www.techlib.com/electronics/vlfwhistle.htm</a>. I kept the name the same as I like it.</td>
</tr>
<tr>
<td>- You build this at your own risk.</td>
</tr>
</tbody>
</table>
Boards (1)
BD1: 26 x 6

Trace cuts (31)

Jumpers (17)

Resistors (12)
R1: 1k ohms
R2: 22k ohms
R3: 4.7k ohms
R4: 10M ohms
R5: 10M ohms
R6: 1M ohms
R7: 1M ohms
R8: 1M ohms
R9: 1M ohms
R10: 47k ohms
R11: 1M ohms
R12: 100 ohms

Capacitors (7)
C1: 10uF (Electrolytic, black tag is negative)
C2: 47pF (Ceramic)
C3: 0.01uF (Ceramic)
C4: 100uF (Electrolytic, black tag is negative)
C5: 1uF (Electrolytic, black tag is negative)
C6: 1uF (Electrolytic, black tag is negative)
C7: 1uF (Electrolytic, black tag is negative)

ICs (1)
IC: CA3240

Potentiometers (1)
VR1: 100k ohms

Switches (5)
S1: Switch (2 position)
ICS1: 8 pin IC socket (solder this to the board rather than the chip)
ANT1: Antenna (60 cm)
HP1: 3.5mm headphone socket
BAT1: 9V battery connection
The original circuit design is by Charles Wenzel. I used his schematic to design the layout; this can be found at http://www.techlib.com/electronics/vlfwhistle.htm.

Boards (1)
[ ] 1x (26 x 6)

Resistors (12)
[ ] 1x 100 ohms
[ ] 2x 10M ohms
[ ] 1x 1k ohms
[ ] 5x 1M ohms
[ ] 1x 22k ohms
[ ] 1x 4.7k ohms
[ ] 1x 47k ohms

Capacitors (7)
[ ] 1x 0.01uF
[ ] 1x 100uF
[ ] 1x 10uF
[ ] 3x 1uF
[ ] 1x 47pF

ICs (1)
[ ] 1x CA3240

Potentiometers (1)
[ ] 1x 100k ohms

Switches (5)
[ ] 1x 3.5mm headphone socket
[ ] 1x 8 pin IC socket (solder this to the board rather than the chip)
[ ] 1x 9V battery connection
[ ] 1x Antenna (60 cm)
[ ] 1x Switch (2 position)