

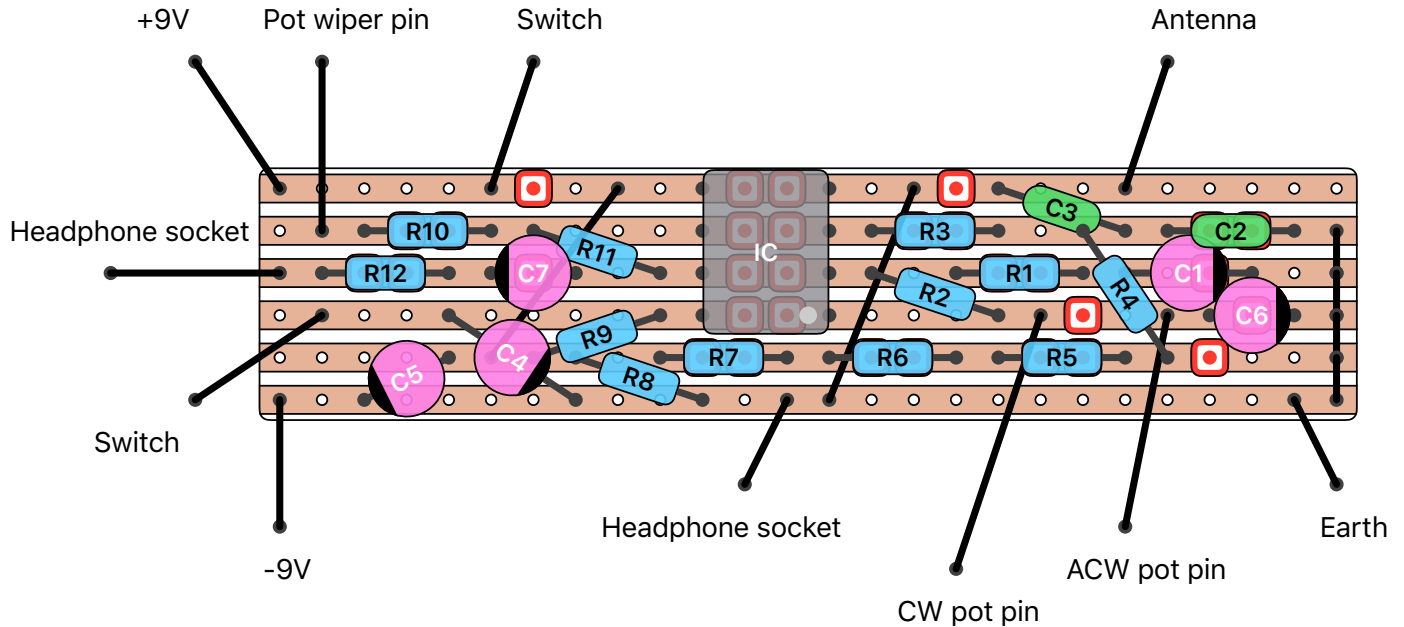
# Peanut Butter VLF Whistler Radio

Version: 1.0

Date: 09/10/2016

Author: David HN50

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>.



## Notes (2)

- 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 <http://www.techlib.com/electronics/vlfwhistle.htm>. I kept the name the same as I like it.
- You build this at your own risk.

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## 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

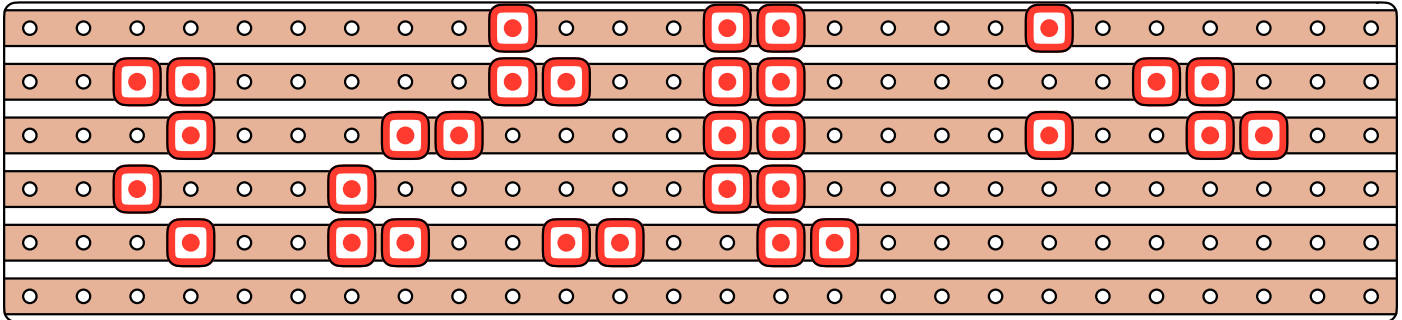
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Board size: (26x6)

Trace cut #: 31

## 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)