

# By **SOLDERSOUND**

## Hide and Seek Wha

Rev 1.0 2009-06-24

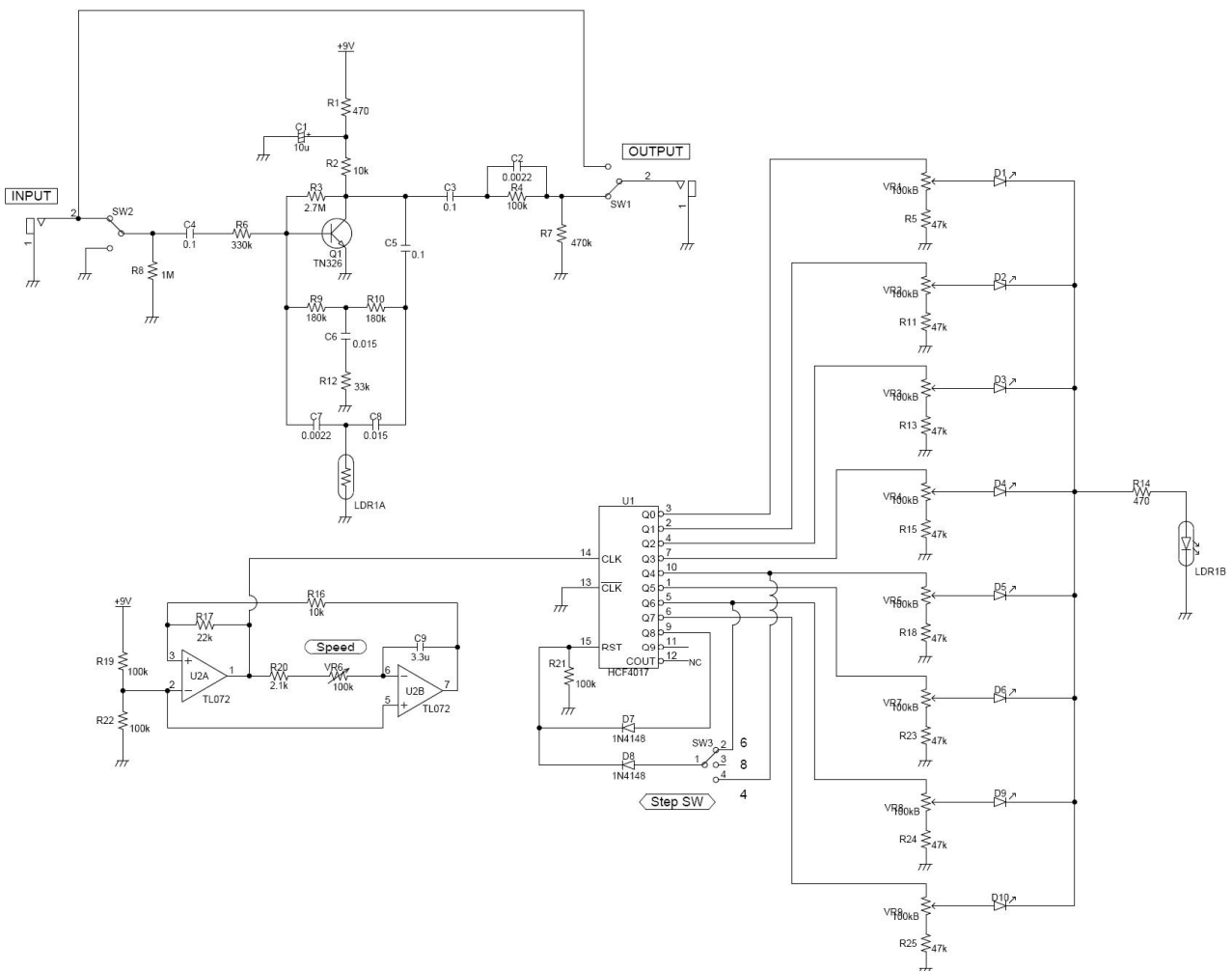
**Design:** Zachary Vex (maybe some one else. I don't know)

**Layout:** Solderman

**Status:** Semi Verified

This is the Project file for the Hide and Seek Wha. It's a clone from the Seek wha but is so small that you might lose it. Its sort of a sequencer-Envelope-Filter-Wha sort of effect made to fit in a 1590A enclosure. Because of the small box and all the components, I had to divide the PCB in two parts. Part 1 hosts the LFO circuit and part 2 the audio circuit. I have used hi quality trim pots with extension knobs. At first I planned to use 9 mm Alpha pots, those without the nut and a no knob needed, but with those I could only have 8 in a row and the speed pot would have to be placed some ware else witch was no option to me.

### Schematic



## Bill of material Part 1

### Capacitors

C1: 3,3uF

### Resistors

R1: 47K

R2: 47K

R3: 47K

R4: 47K

R5: 47K

R6: 47K

R7: 47R

R8: 47K

R9: 100K

R10: 2K1

R11: 22K

R12: 100K

R13: 100K

R14: 470R

R15: 10K

S1: 100K Lin

S2: 100K Lin

S3: 100K Lin

S4: 100K Lin

S5: 100K Lin

S6: 100K Lin

S7: 100K Lin

S8: 100K Lin

Speed: 100K Lin

LDR1: LDR

### IC:s and transistors

IC1: 4017

IC2: TL072

D1-D8: 3mm LED

D10: 1N4148

D9: 1N4148

D11: 5mm LED

### Hardware

Sw1: SPDT on-off-on

## Layout and wiring LFO Part 1

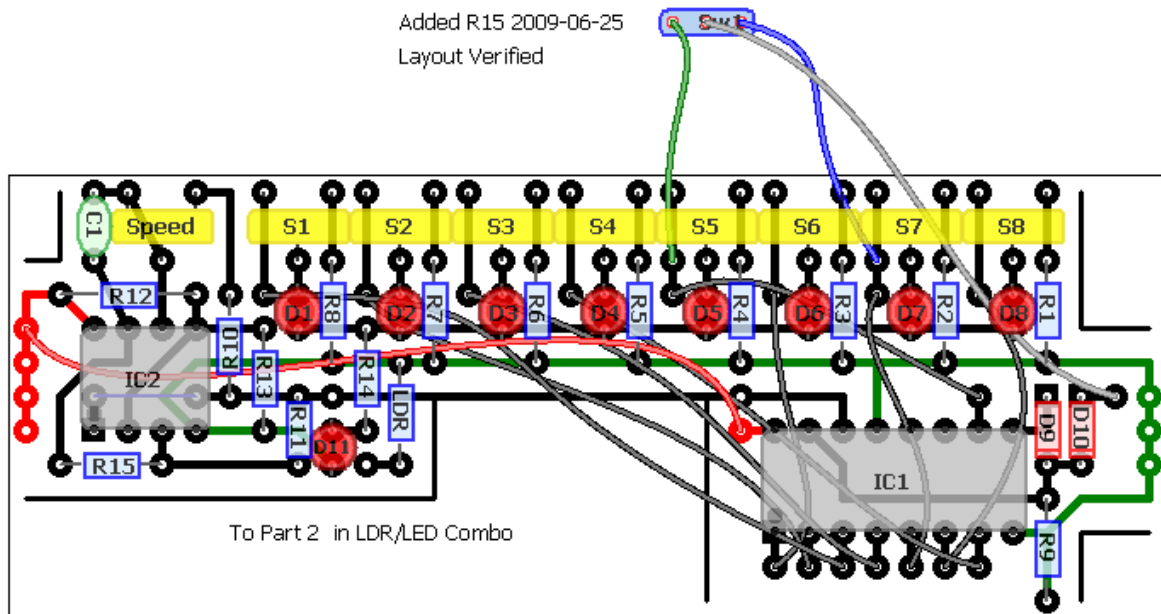
## Seek Wha LFO (Part 1 of 2)

Layout: Solderman

Ver 1.0 2009-06-24

Added R15 2009-06-25

Layout Verified



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<http://www.storm-software.co.yu/diy/>



## Bill of material Audio Part 2

### Capacitors

C1: 15nF  
C2: 2n2nF  
C3: 15nF  
C4: 2n2nF  
C5: 100nF  
C6: 100nF  
C7: 10uF  
C8: 100nF

### Resistors

R1: 33K  
R2: 470K  
R3: 100K  
R4: 180R  
R5: 180K  
R6: 2M7  
R7: 10K  
R8: 470R  
R9: 330K  
R10: 1M

### IC:s and transistors

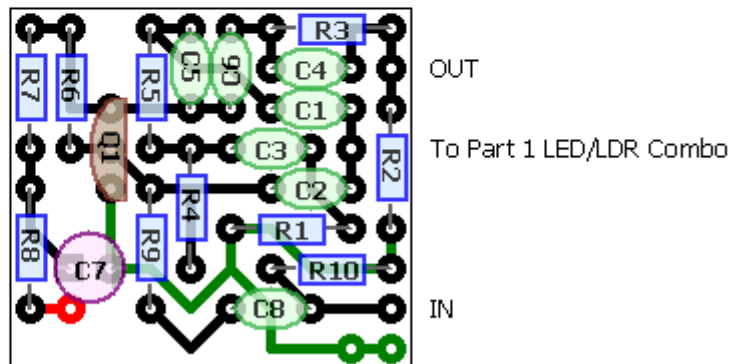
Q1: 2N5088

## Layout and wiring Part 2

## Seek Wha Audio Part (2 of 2)

Design: ? Layout: Solderman

Ver 1.0 2009-06-24



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