



PARTLIST

NOTE!

D1 *polarity (short leg-, long leg +)*

ICs and sockets (notch top)

Capacitors *polarity C6, C7, C8 (short leg -, long leg +)*

Resistors no polarity (any direction)

There are two different builds, one with a microphone and one with a coil/inductor (electromagnetic microphone). Some component values and placements are different in these builds! These components are marked with a ? mark where the value is different and *asterisk* when the component is only used for one of the builds.

The first time a component is listed, the total amount is given in brackets (**x?**).

U1 **PIC12F1840** (notch top)
DIL8 **Socket** (notch top)
U2 **MCP6002** (notch top)
DIL8 **Socket** (notch top)
U3 **78L05A** (5V reg. *note orientation*)
D1 (**x1**) **LED red** *polarity (short leg -)*

C1 **100nF (x2)** (beige 104)
C8 **100nF** (beige 104)
C6 **1n (x1)**(beige 152) **inductor build**
C7 **47n (x1)** (beige 473)

C4 **10 uF (x1)** *polarity (short leg -)*
C2 **47 uF (x3)** *polarity (short leg -)(x3)*
C3 **47 uF** *polarity (short leg -)*
C5 **47 uF** *polarity (short leg -)*

R1 **390R (x1)** (org/wht/blk/blk)
R2 **1M (x2/3)** (br/blk/blk/yel/br)
R3 **1M**
R4 **10K (x6/7)** (br/blk/blk/red/br)
R5 **10K**

R6 **10K** (microphone build only)
R7 **1K (x4/5)** (br/blk/blk/br/br)
R8 **?K**
coil/inductor: 100R (br/blk/blk/blk/br)
Microphone: 1K
R9 **10K**
R10 **1K**
R11 **?K**
coil/inductor: 1M
microphone: 100K (br/blk/blk/org/br)
R12 **10K**
R13 **1K**
R14 **10K**
R15 **10K**
R16 **1M** **inductor build**
R17 **1K**

POT **500K** Log potentiometer
sensor (x1) **Microphone/inductor**

SW1 (**x1**) **SWITCH ON/OFF**
SW5 (**x1**) **Tactile switch**

J1, J2, J3, J4, J5, J7 **M3** patch/touch
J8, J9, J10, J11 **3-way** pin header
J6 (**x1**) **3.5mm** audio output
ICSP1 (**x1**) **Six** pin connector

Battery clip (the wires should go through the hole in the PCB to protect the connection)

Rubber feet (x4)

Closed jumper (black) (x4)

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NOTE! Minipic **V1**, one jumper on the back is needed. **PIC12F1840** short pin 3 to pin 7.

More info and documentation:
www.dirtyelectronics.org
www.noise.technology
www.maxwainwright.com