POWER

GND
j1 batt
SW2
SW_SPDT
U3 L78L05_TO92
C8 100n
VI GND VO
GND
R1 390r
D1 red led
GND
100n C1
47uf C2
5V
GND
R4 10k
R5 10k
2.5V

TOUCH

GND
5V
R2 1m
R3 1m
gndtouch
J1 1
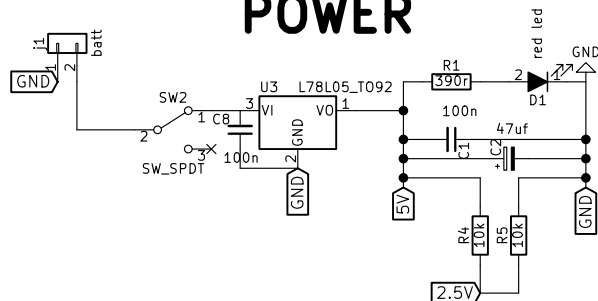5vtouch
J2 1

input

10k for microphone
nothing for inductor

de-controller
sens1
R16 *1m*
R6 10k
C4 10uf
?k R8
2.5V
U2B
MCP6002-xP
GND
5V
?k R11 *1n*
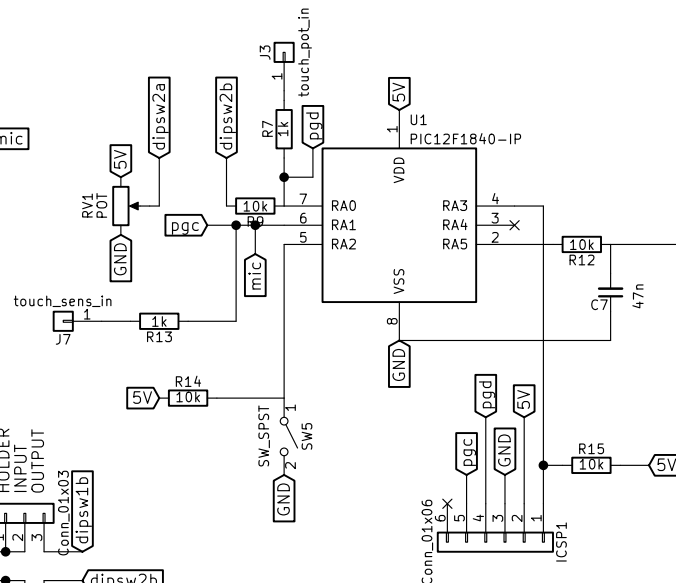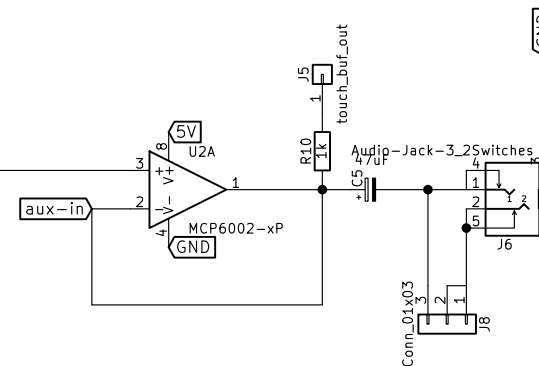C6
GND
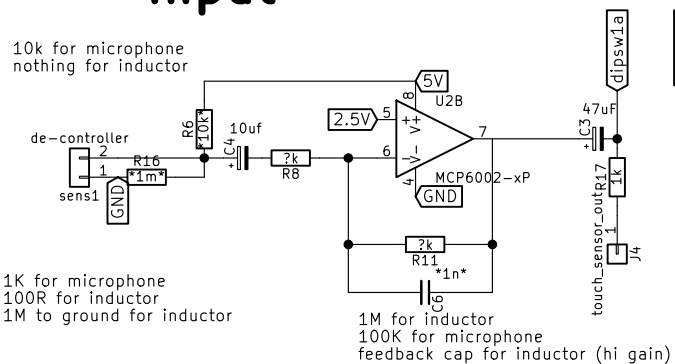
1K for microphone
100R for inductor
1M to ground for inductor

1M for inductor
100K for microphone
feedback cap for inductor (hi gain)

47uF C3
R17 1k
touch_sensor_out
J4

dipsw1a
dipsw1b
mic

HOLDER INPUT OUTPUT
dipsw1a
J9
Conn_01x03
dipsw1b

dipsw2a
J10
dipsw2b

Conn_01x03
HOLDER INPUT OUTPUT
J11
aux-in
Conn_01x03

PIC

touch_pot_in
J3 1
R7 1k
pgd
dipsw2a
dipsw2b
5V
RV1 POT
10k
pgc
5V
R9
GND
mic
U1 PIC12F1840-IP
5V
VDD
RA0 7
RA1 6
RA2 5
RA3 4
RA4 3
RA5 2
VSS
GND 8

touch_sens_in
J7 1
R13 1k

5V R14 10k
SW_SPST
SW5
GND

R12 10k
C7 47n
aux-in

Conn_01x06
ICSP1
pgc
pgd
GND
5V
R15 10k
5V

BUFFER

5V
U2A
MCP6002-xP
GND
R10 1k
J5 touch_buf_out
C5 47uF
GND
Audio-Jack-3_2Switches
J6
Conn_01x03
J8