FLipMouse PCB - redesign v3.0

FSR
or
other Force Sensing
+ MPX pressure sensor

ADC FSR:
IO36, IO37
IO38, IO39

ADC MPX:
IO34

Buzzer: IO25
LED: IO12 , IO13 , IO14

Buzzer + LED

ESP32
ESP-WROOM-32

LPC11U14

USB

UART:
RX: IO16
TX: IO17
SIG: IO18

UART:
RX: P0.18
TX: P0.19
SIG: P0.17

IR receiver (TSOP)
IR LED (+MOSFET)

TSOP: IO19
IRLED: IO21

IO26, IO27
IO22, IO23

Buttons (Jackplugs)
Buttons internal
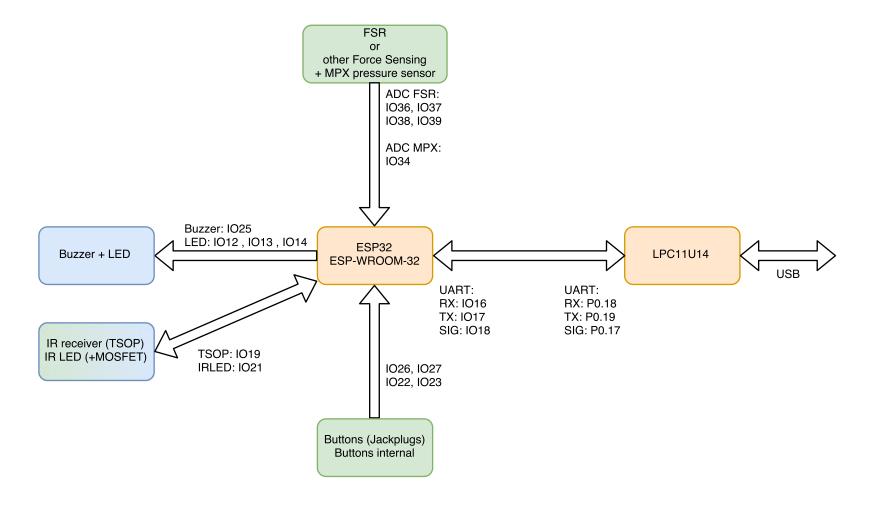
Programming Interface ESP32:
https://cdn.sparkfun.com/assets/learn_tutorials/5/0/7/esp32-thing-schematic.pdf
Necessary: R17+R18+Q2
External header: RTS+DTR+IO1+IO3+GND+3V3

Programming Interface + basic schematic LPC11U14:
http://www.embeddedartists.com/sites/default/files/docs/schematics/LPCXpressoLPC11U14revA.pdf
Only page 5 is necessary

Extension Header:
VUSB, V3V3
IO4, IO5, IO32, IO33