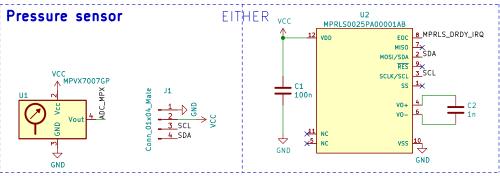


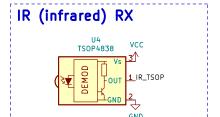
OLED - SSD1306

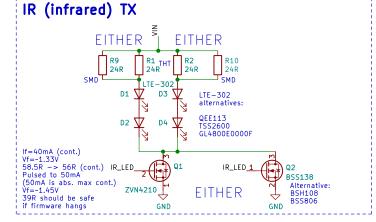
 $\begin{array}{c|c}
 & 1 \\
 & 2 \\
\hline
SCL_3 \\
SDA_4
\end{array}$ 

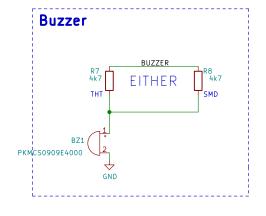
Button 2 (ext. with ADC)

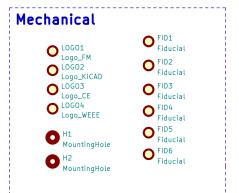
D8-9 & C5-6 might be DNP in construction kit











## Orders in addition to BOM

## **FLipMouse**

- \* Silicon tube, 2x4mm, ~5cm length
- \* LuerLock with M5 screw
- \* Sensor board PCB (see second KiCAD project & BOM)
- \* screws according to case (4x M2x12; 2x M2x20)
- \* Mouthpiece

\* Glide adapter PCB (see addons folder for KiCAD project & BOM)

- \* Neopixel Strip (two LEDs needed)
- \* 3D printed case (depending on type)
  \* HotShoe Adapter
- \* USB cable with magnetic plug
- \* Packaging

These parts should be placed in the .xls BOM file.

Notes on pressure sensor:

Notes on Button2:

\* An MPRLS sensor is used on the mainboard normally

\* D6/GPI018 can be used to detect if there are 3V3 on button 2

- \* Alternative: use MPXV sensor
- \* Alternative 2: attach sensor board with I2C
- \* If no MPRLS sensor is found on I2C, analog values from MPXV are read.

\* If JP1 is closed, a 3pin Jackplug can be connected, which carries 3V3, GND and a GPIO pin

<beni@asterics-foundation.org> Benjamin Aigner
AsTeRICS Foundation Sheet: / File: FM3\_mainboard.kicad\_sch Title: FLipMouse (FLipPad) Mainboard Size: A3 Date: 2022-09-29 KiCad E.D.A. kicad 6.0.7+dfsg-3

v3.1