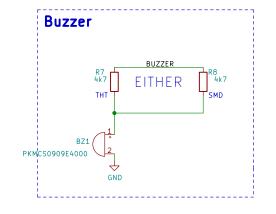
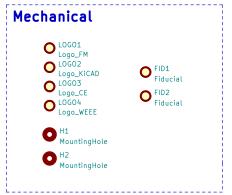
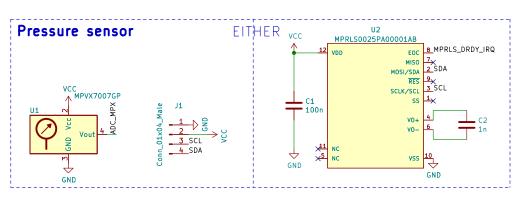


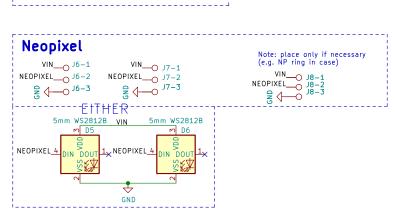
Note: there are different pinnings available, take care when orderings SDA 4

OLED - SSD1306









## Notes on Button2:

- \* D6/GPI018 can be used to detect if there are 3V3 on button 2
- \* If JP1 is closed, a 3pin Jackplug can be connected, which carries 3V3, GND and a GPIO pin

# Notes on pressure sensor:

- \* An MPRLS sensor is used on the mainboard normally
- \* 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.

# 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.

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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