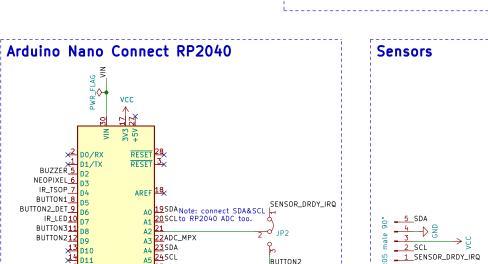
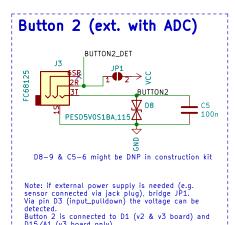
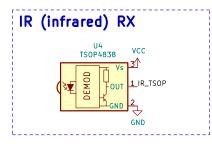
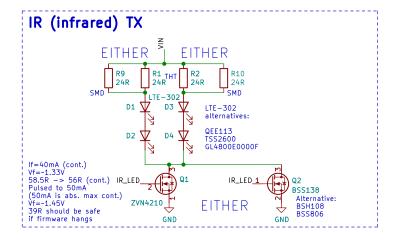


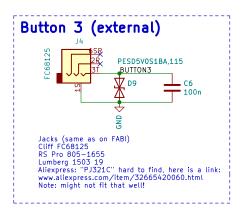
J5

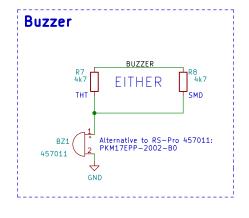


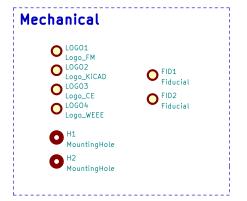


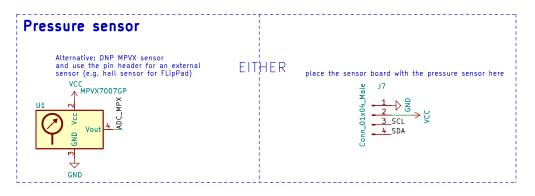


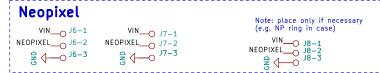












### Notes on Button2:

- \* 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
- \* If JP2 is switched, button 2 pin is connected to A2 as well (external analog sensors)

### Notes on pressure sensor:

- \* Instead of MPX pressure sensor, a breakout for Honeywell MPR series (I2C) can be connected to J7
- \* If the firmware does not detect a MPRLS sensor on I2C, analog values 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.

<beni@asterics-foundation.org> Benjamin Aigner
AsTeRICS Foundation Sheet: /
File: FM3\_mainboard.kicad\_sch Title: FLipMouse (FLipPad) Mainboard Size: A3 Date: 2022-04-07 KiCad E.D.A. kicad 6.0.7+dfsg-1+b1