

OLED - SSD1306

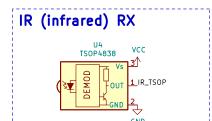
 $\begin{array}{c|c}
 & 1 \\
 & 2 \\
\hline
SCL_3 \\
SDA_4
\end{array}$

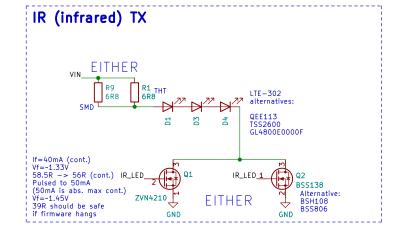
Notes on Button2:

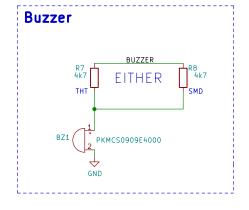
- * D6/GPI018 can be used to detect if there are 3V3 on button 2
- * If JP1 is closed, a 3pin Jackplug can be connected, which carries 3V3, GND and a GPIO pin

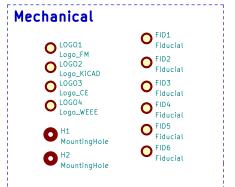
Notes on pressure sensor:

- * 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.

v3.1

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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