

Power

power.sch

Micro-Controller

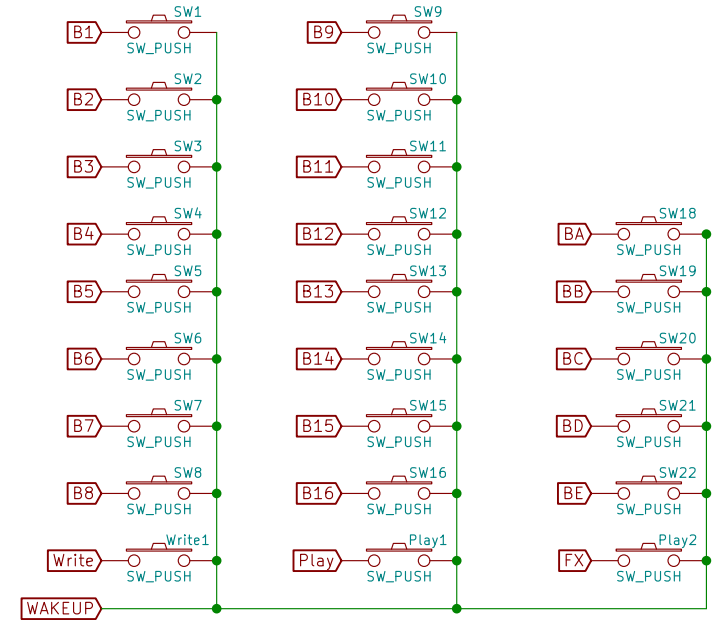
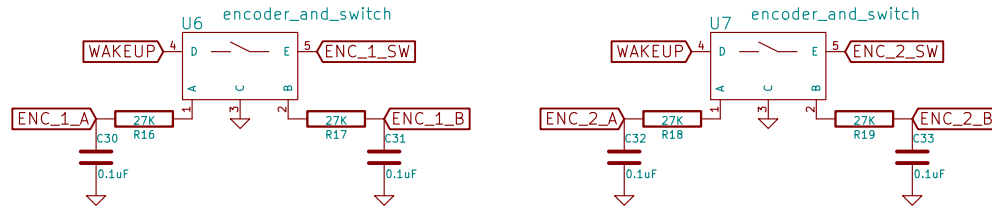
micro-controller.sch

LED Matrix

led\_matrix.sch

Audio

audio.sch



Known problems:

Fixed:

- DAC couplings caps are in series with the chip instead of going to GND
- Voltage regulator footprint
- Encoders footprints and hole size

TODO:

DONE:

- I2C extension port

*Wee Noise Maker*

Fabien Chouteau

Sheet: /

File: wnm\_mk\_1.sch

Title: Wee Noise Maker - Mk-1

Size: A4

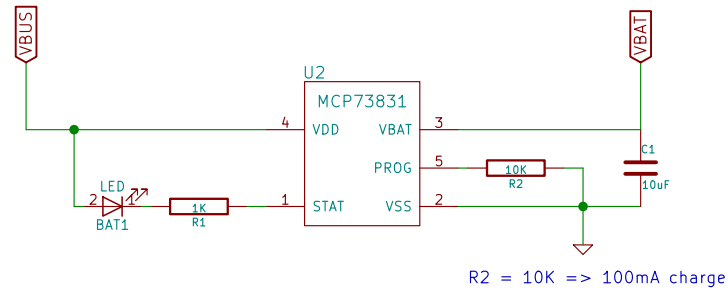
Date:

KiCad E.D.A. kicad 4.0.5-e0-633752ubuntu16.10.1

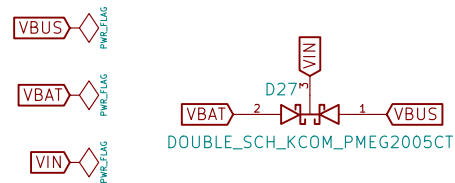
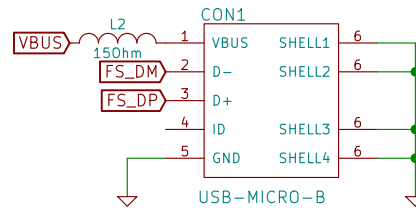
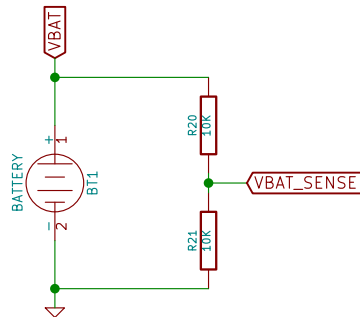
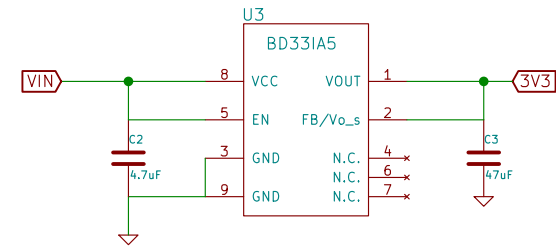
Rev: B

Id: 1/5

## Battery charging



## Power regulator



Fabien Chouteau

Sheet: /Power/  
File: power.sch

Title: Wee Noise Maker - Mk-1

Size: A4 Date: 2016-10-16  
KiCad E.D.A. kicad 4.0.5-e0-633752ubuntu16.10.1

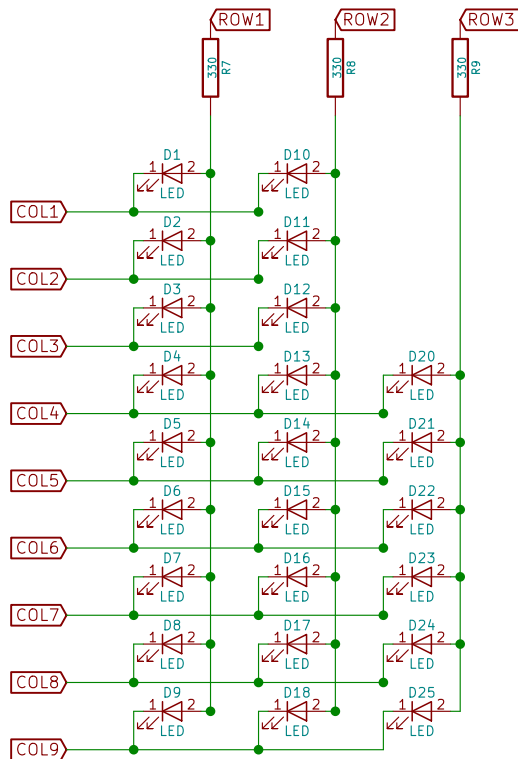
Rev: B  
Id: 2/5

Wee Noise Maker

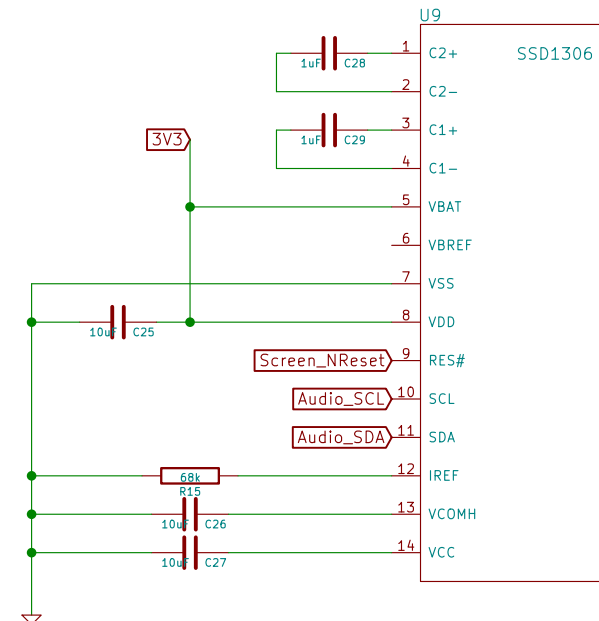


# LED matrix

With 24 LEDs we could do a 5x5 (10 GPIOs) matrix, but having the LED logic matrix following the placement layout produces a cleaner PCB. The trade-off is that we use 2 more GPIOs.



# OLED screen



*Wee Noise Maker*

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Sheet: /LED\_Matrix/

File: led\_matrix.sch

**Title: Wee Noise Maker - Mk-I**

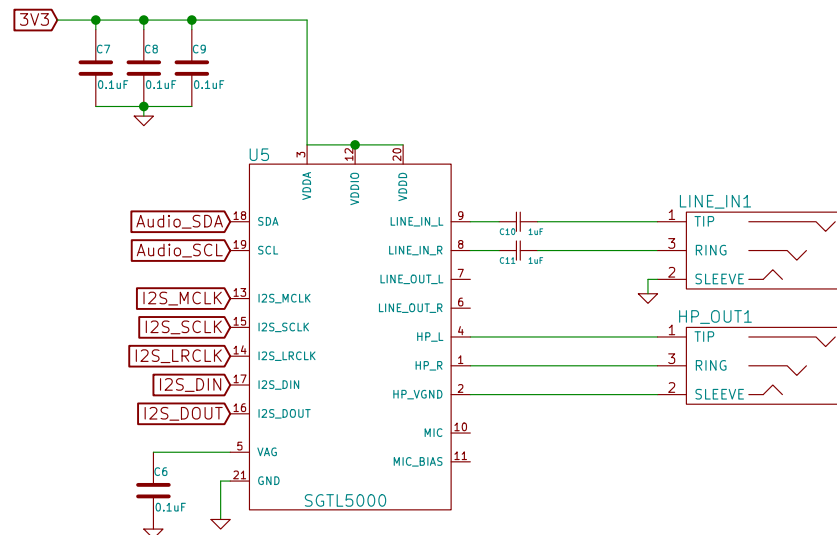
Size: A4

Date:

KiCad E.D.A. kicad 4.0.5-e0-633752ubuntu16.10.1

Rev: B

Id: 4/5



*Wee Noise Maker*

Fabien Chouteau

Sheet: /Audio/

File: audio.sch

**Title: Wee Noise Maker - Mk-I**

Size: A4

Date:

KiCad E.D.A. kicad 4.0.5-e0-633752ubuntu16.10.1

Rev: B

Id: 5/5