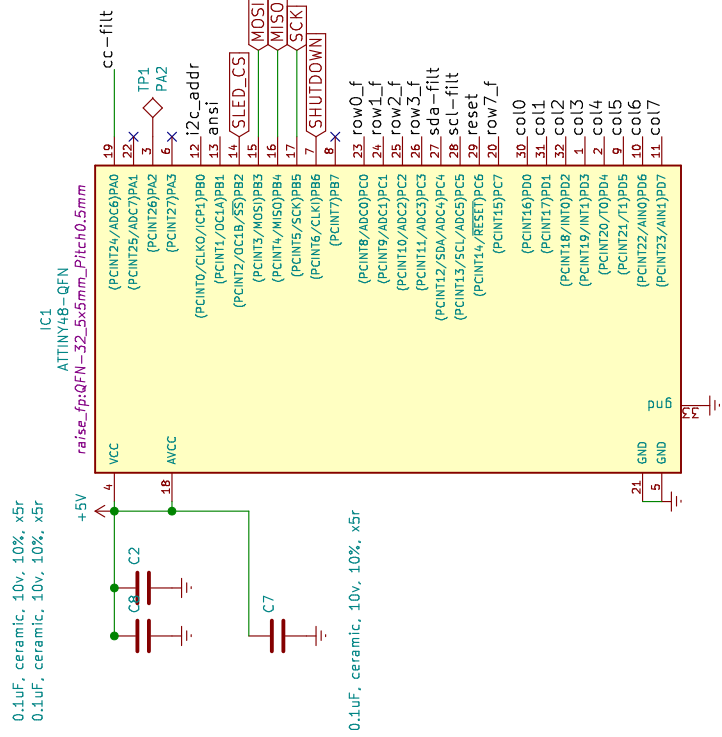
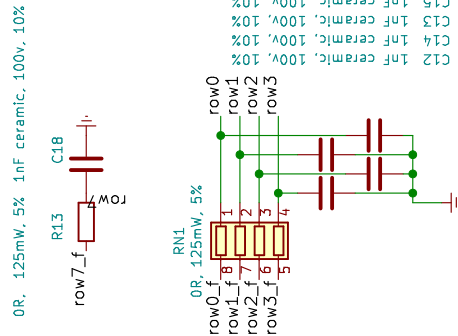


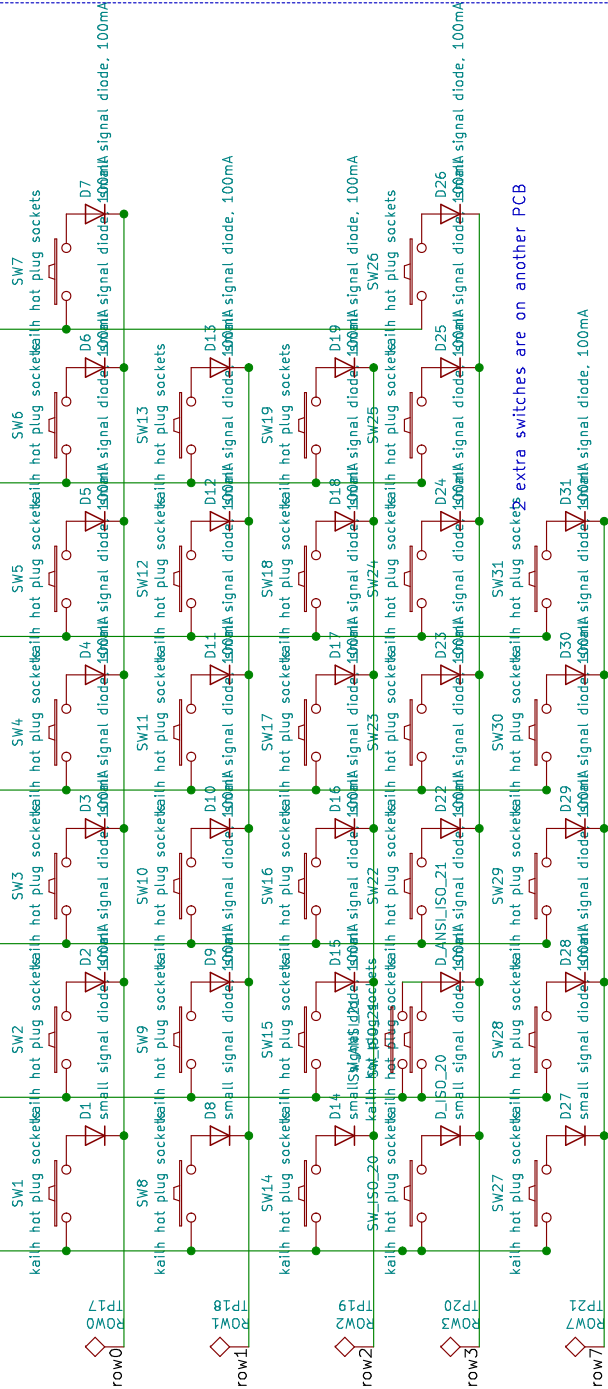
attiny88



scan matrix filter

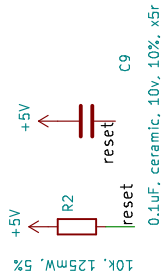


switch matrix



<http://ww1.microchip.com/downloads/en/AppNotes/AN2519-AVR-Microcontroller-Hardware-Design-Considerations-00002519B.pdf>

reset & filter

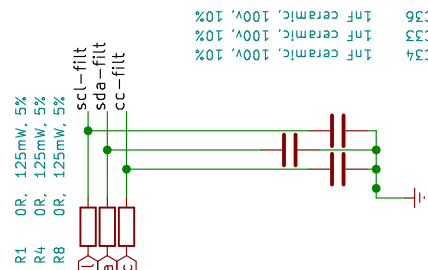


firmware pulls addr lines low.
Right side uses pullup to set address.
do not place on left side

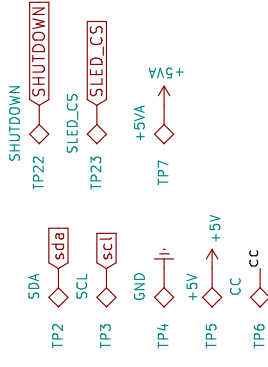
ansi/iso selector resistor

```
i2c_addr      K_ANALOG    +5V    %
```

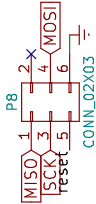
i2c and cc filter



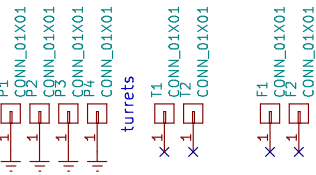
test points



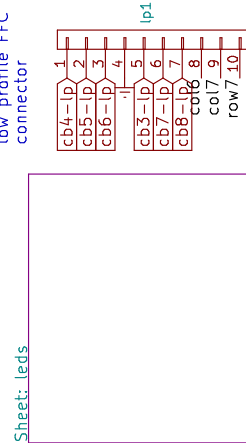
programming header



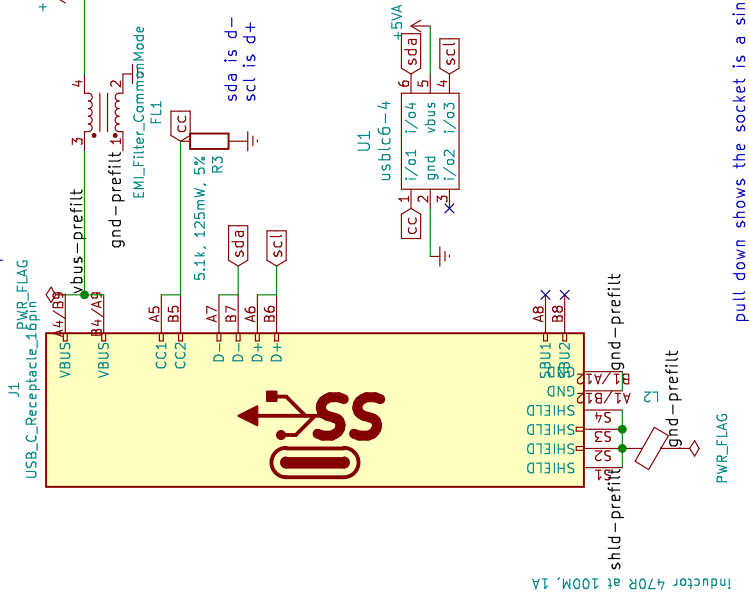
mount holes



led matrix



USB C connector for power and I2C



pull down shows the socket is a sink

Matt Venn

Dygma

Sheet: /

Title: Raise Left

Size: A3	Date: 2019-04-02
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KiCad E.D.A. kicad (2017-11-06 revision 3045509) - HEAD

Rev: v4.9

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