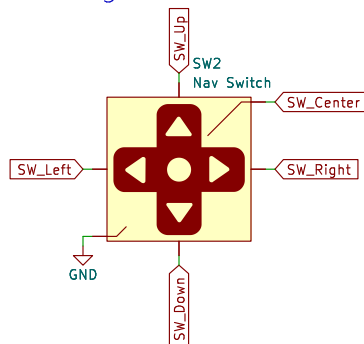
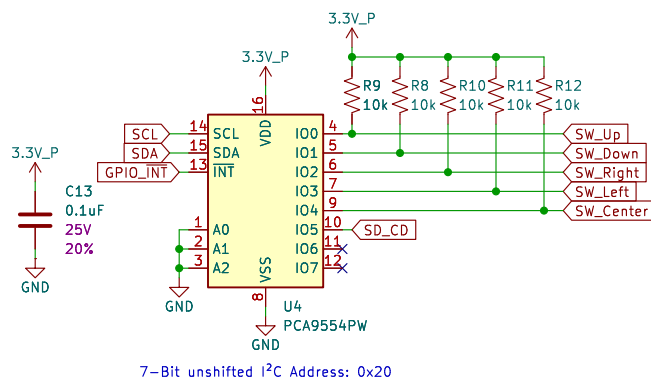


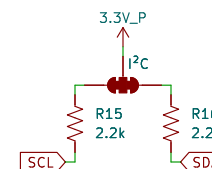
## 5-Way Navigation Switch



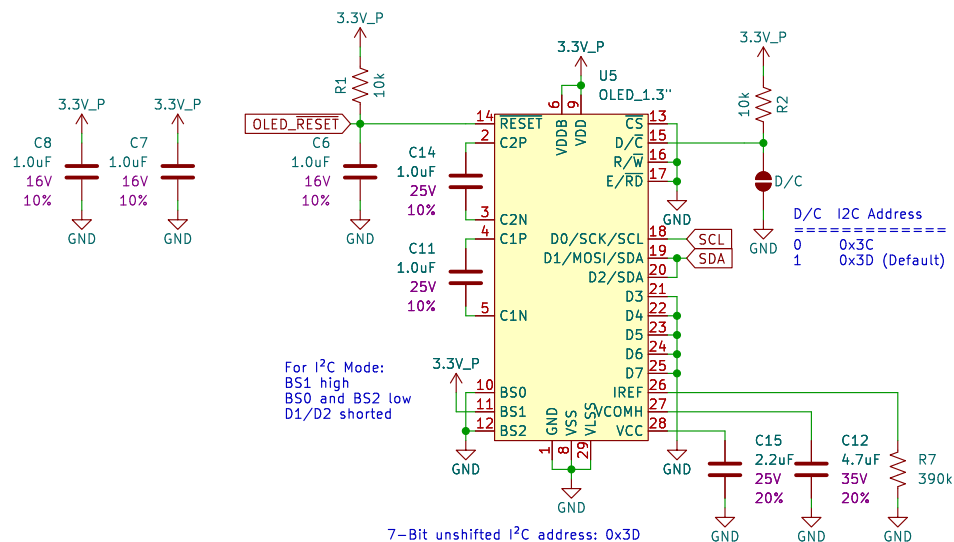
## GPIO Expander



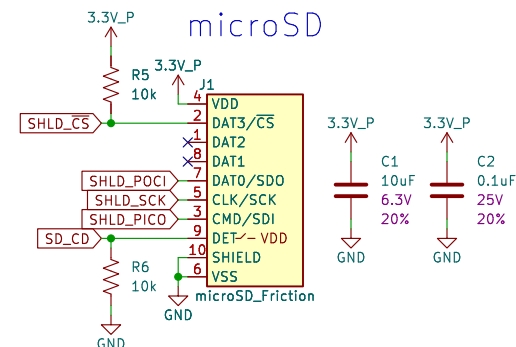
## I2C Pull-ups



## 1.3" OLED



## microSD



Power  
File: power.kicad\_sch



sparkfun

Designed by: N. Seidle

Sheet: /  
File: SparkFun\_Portability\_Shield.kicad\_sch

**Title: SparkFun Portable Shield**

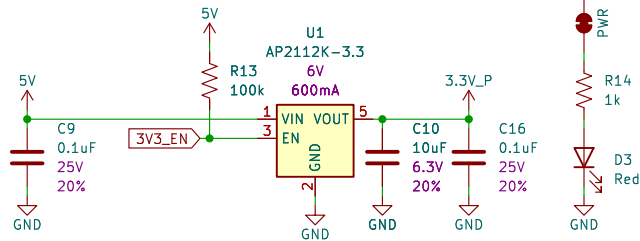
Size: USLetter Date: 2024-09-19

KiCad E.D.A. 9.0.1

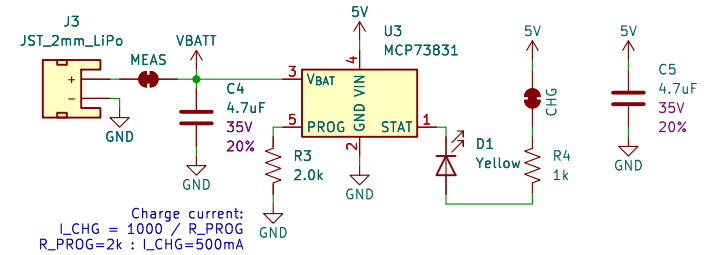
Rev: v10

Id: 1/2

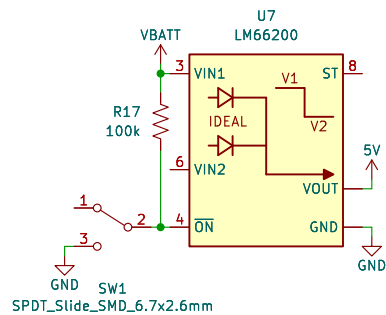
## Power



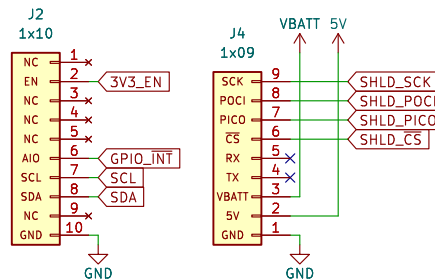
## LiPo Charger



## Battery Cutoff

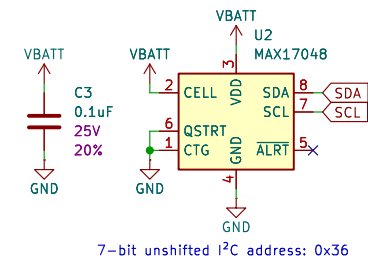


## Shield Connectors



If 5V is present, LiPo charging commences.  
 If 5V is absent, battery provides 5V to mainboard.  
 3.3V is not provided to mainboard.  
 VBATT is provided to mainboard, and is switch controlled.  
 5V/VBATT powers local 3.3V\_P.

## Fuel Gauge



Sheet: /Power/  
 File: power.kicad\_sch

**Title: SparkFun Portable Shield**

Size: USLetter Date:  
 KiCad E.D.A. 9.0.1

Rev:  
 Id: 2/2