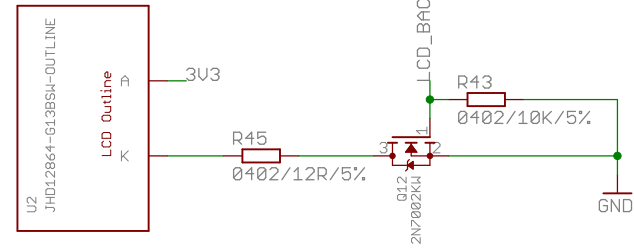
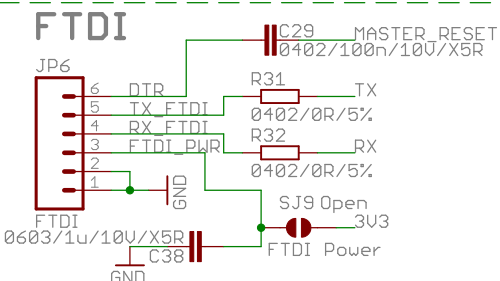


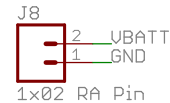
LCD Backlight



FTDI

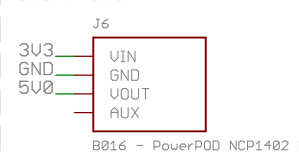


LiPo Connector



5V0 Power

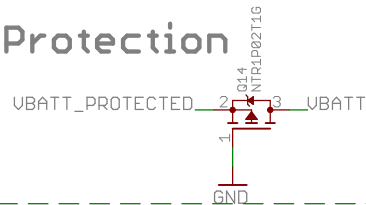
Optional Step up regulator
3V3 > 5V0



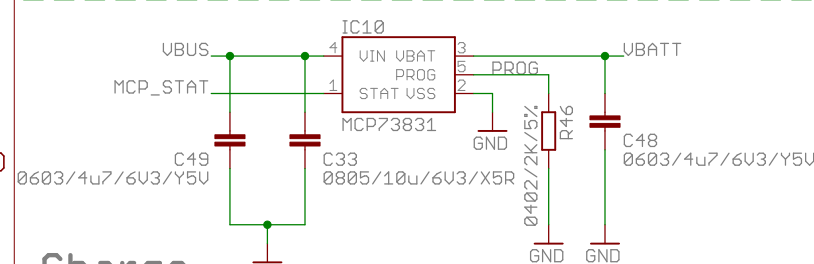
3V3 Power

3V3 generated from the PMIC OUTPUT
Shutdown during Sleep

Polarity Protection



Charge



Backup power

100mA

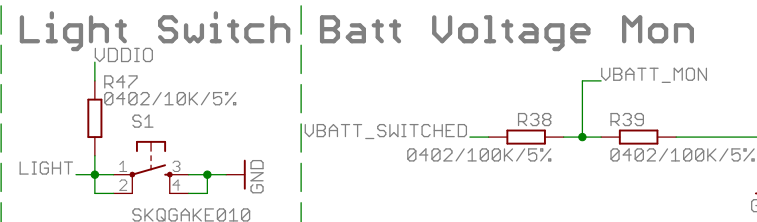
Power switch



SRF and programing heder

P2_2 is Remote Reset
need a pin for Erase
need a pin for ATCommand mode

Option to isolate TX and RX



RGB LED's

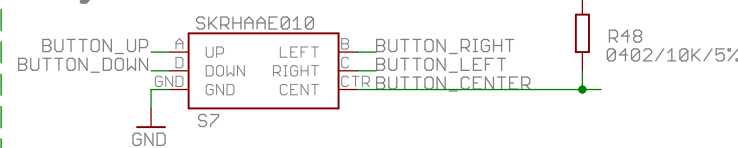
Per Data Sheet

Blue Vf3.2 I25 2R
Green Vf3.2 I25 2R
Red Vf2 I50 15R

Pin can sink 9mA

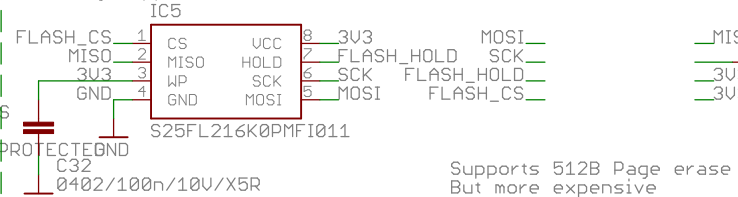
Blue Vf3.2 I4.5 12R
Green Vf3.2 I4.5 12R
Red Vf2 I9 82R

Joystick



SPI FLASH

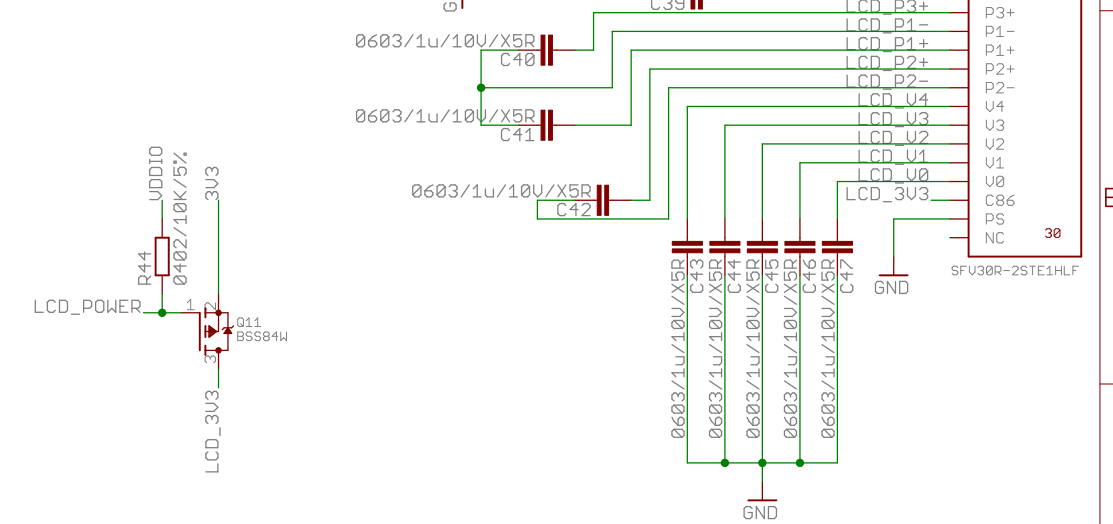
Only supports 4kB Sector erase



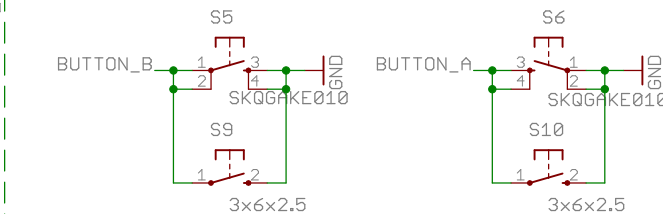
LCD Connector

Connector and support parts

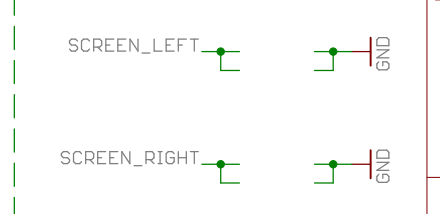
Taken form the Repaper Dev Board



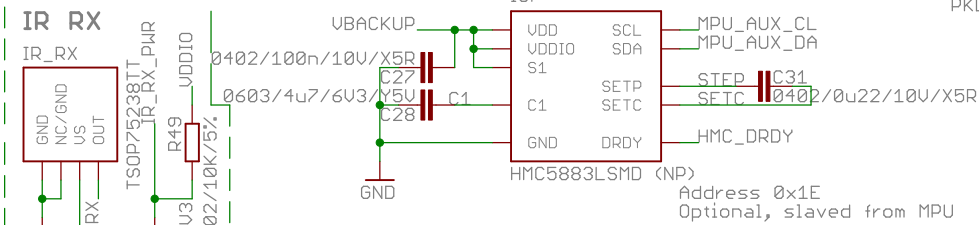
A B Buttons



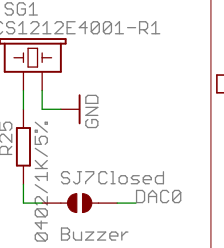
Screen Buttons



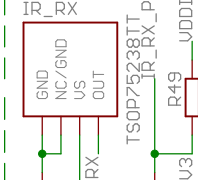
HMC5883L



Buzzer

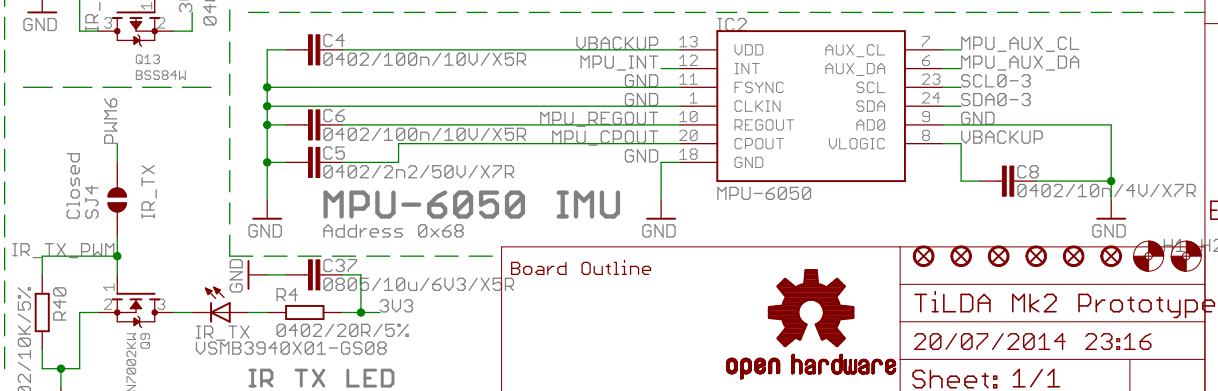


IR RX

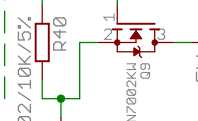


MPU-6050 IMU

Address 0x68



IR TX LED



Board Outline



TiLDA Mk2 Prototype v0.1
20/07/2014 23:16
Sheet: 1/1

