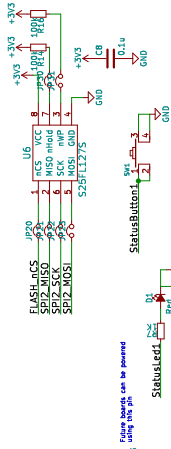
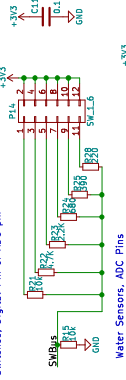


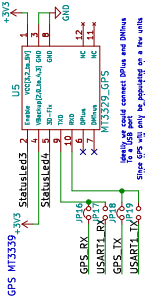
#### Flash Storage



#### Switches, Digital Pin or ADC pin

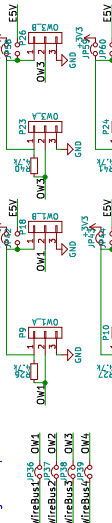


Theory: Behind this circuit is to be able to measure multiple button or switch presses on one ADC pin



Identify the correct connect pins and pinouts. Some pins are not connected to the unit. Use these pins for better performance.

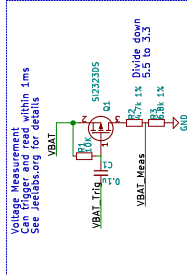
#### Digital Temperature Sensor



#### Current Sensing Adapter

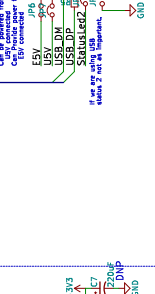
Can trigger and feed within 1ms. Better to make a stand alone system that can perform the measurements and return them to us.

Using a MAX4239 with a AD51240

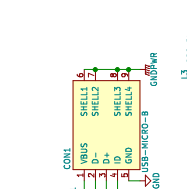


#### Voltage Measurement

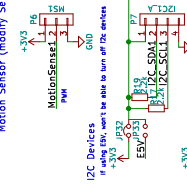
Can trigger and feed within 1ms. Better to make a stand alone system that can perform the measurements and return them to us.



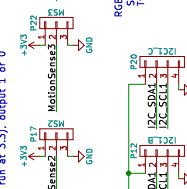
#### Enable Circuit for powering all 3.3V expansion devices.



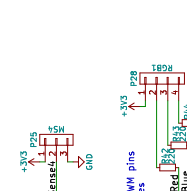
#### Connect when ST-Link is disconnected



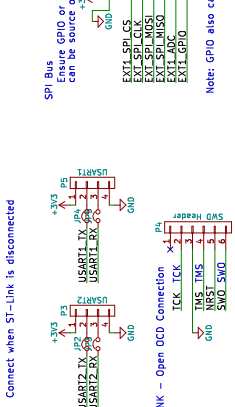
#### Disconnection SR2 on Nucleo Board for 3.3v boost



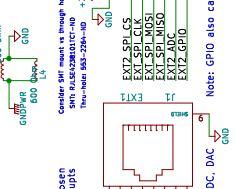
#### Power Regulation



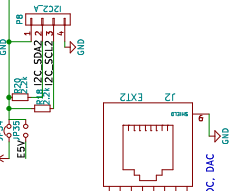
#### STLINK - Open OCD Connection



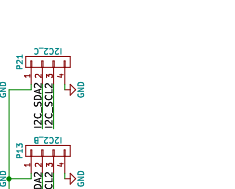
#### SPI Bus



#### GPIO Bus



#### RGB LED



#### RGB LED

