

A

A

B

B

C

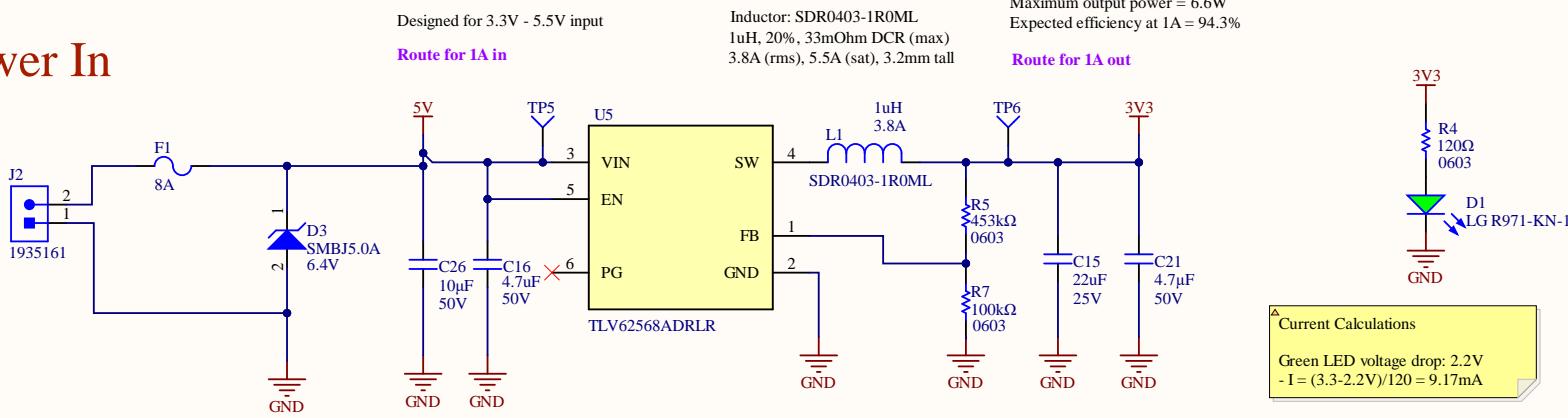
C

D

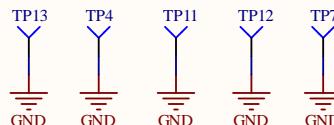
D

## 5V - 3.3V Buck Converter

### Power In

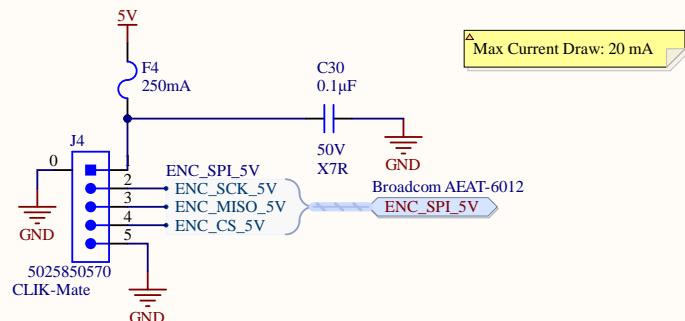


### GND Test Points

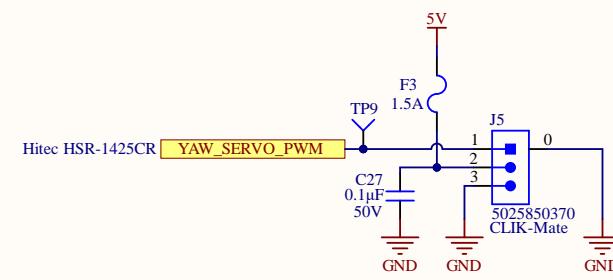


Title Gimbal - Power		UW Robotics
Size: Letter	Drawn By: Aidan Gratton	200 University Avenue Waterloo Ontario Canada N2L 3G6
Date: 2020-11-02	Sheet 1 of 6	
File: C:\Users\lance\GitHub\MarsRover2020-PCB\Projects\Gimbal\Rev2\SH1 - POWER.SchDoc		<b>UW ROBOTICS TEAM</b>

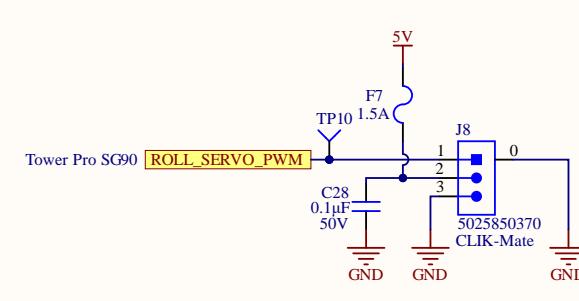
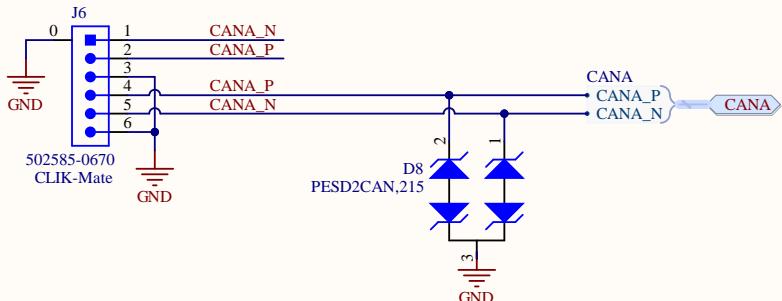
## Broadcom AEAT-6012 Encoder



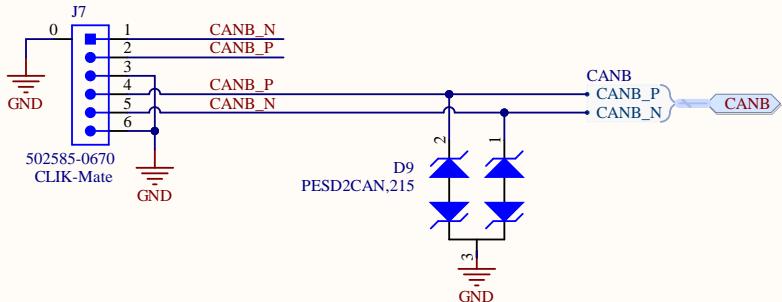
## Servos



## CAN Bus A



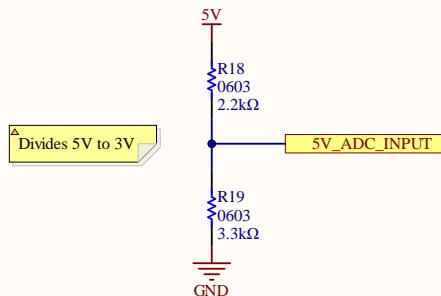
## CAN Bus B



A

A

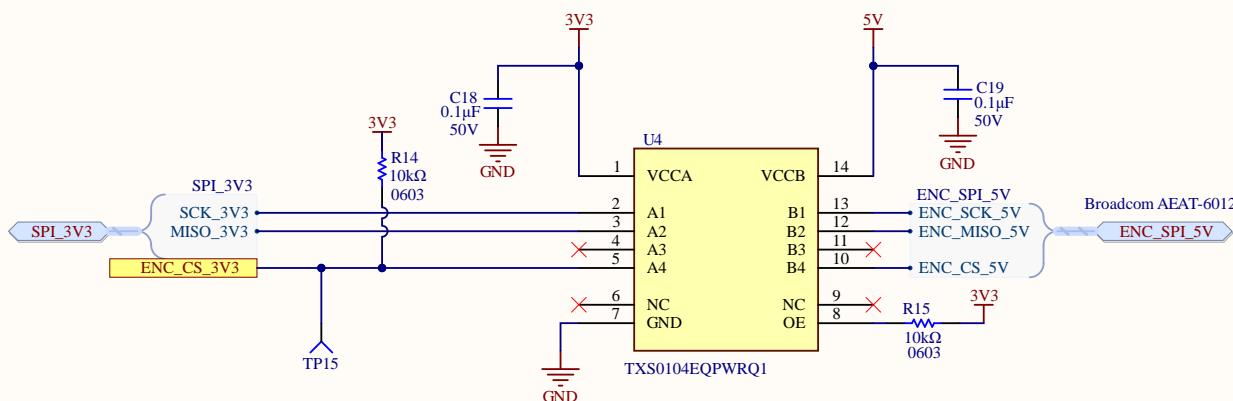
## 5V Rail Monitoring



B

B

## SPI Encoder Level Shifter

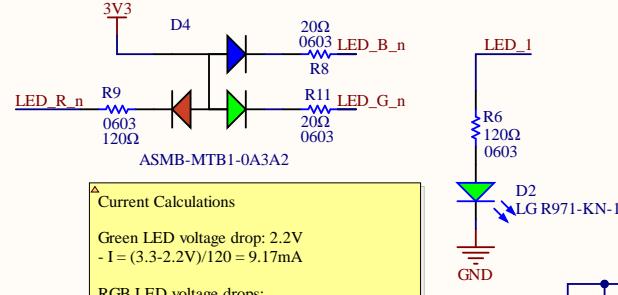


D

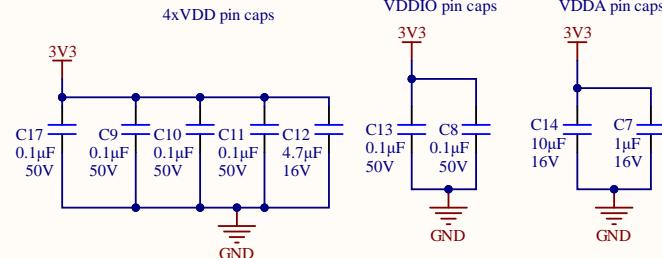
D

Title: Gimbal - Sensors	UW Robotics
Size: Letter	Drawn By: Aidan Gratton
Date: 2020-11-02	Sheet 6 of 6
File: C:\Users\lance\GitHub\MarsRover2020-PCB\Projects\Gimbal\Rev2\SH3 - SENSORS.SchDoc	Canada N2L 3G6

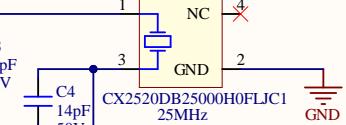
# Status/Debug LEDs



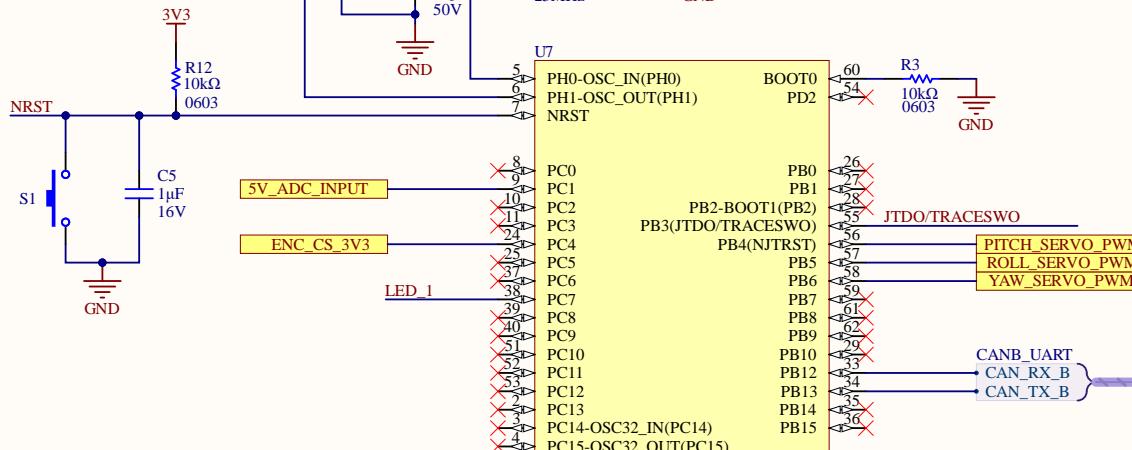
# Decoupling Caps



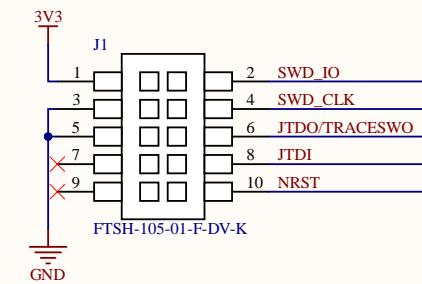
# STM32F446RET6



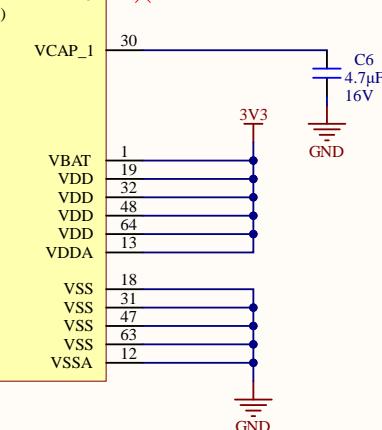
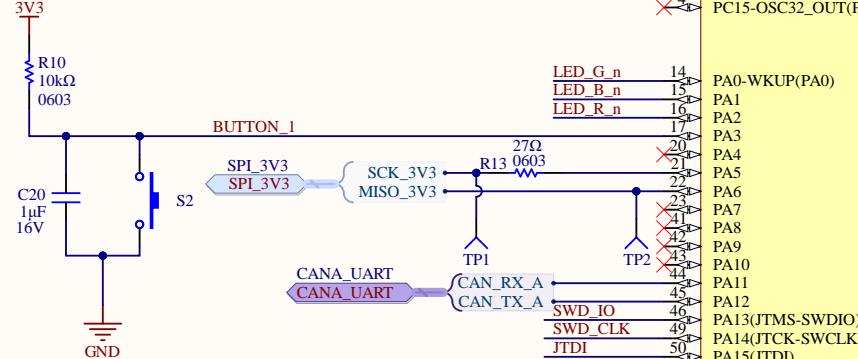
B



# Debug/Programming



C



D

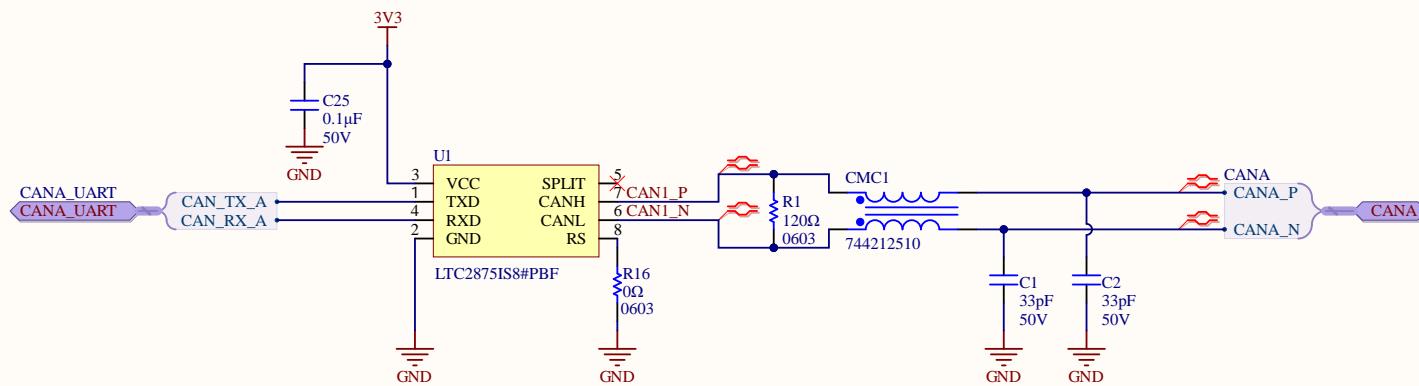
A

A

## CAN Transceivers

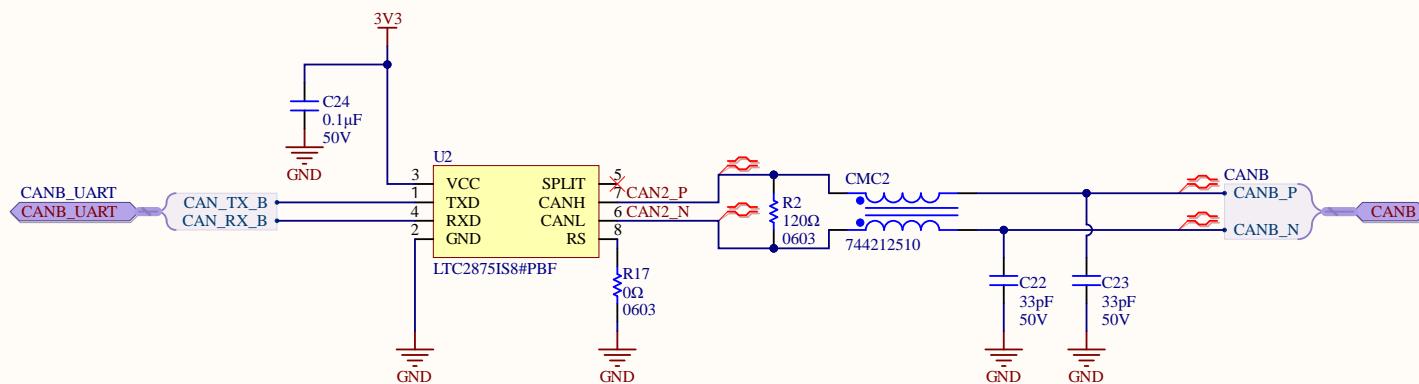
B

B



C

C



D

D

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