

A

A

B

B

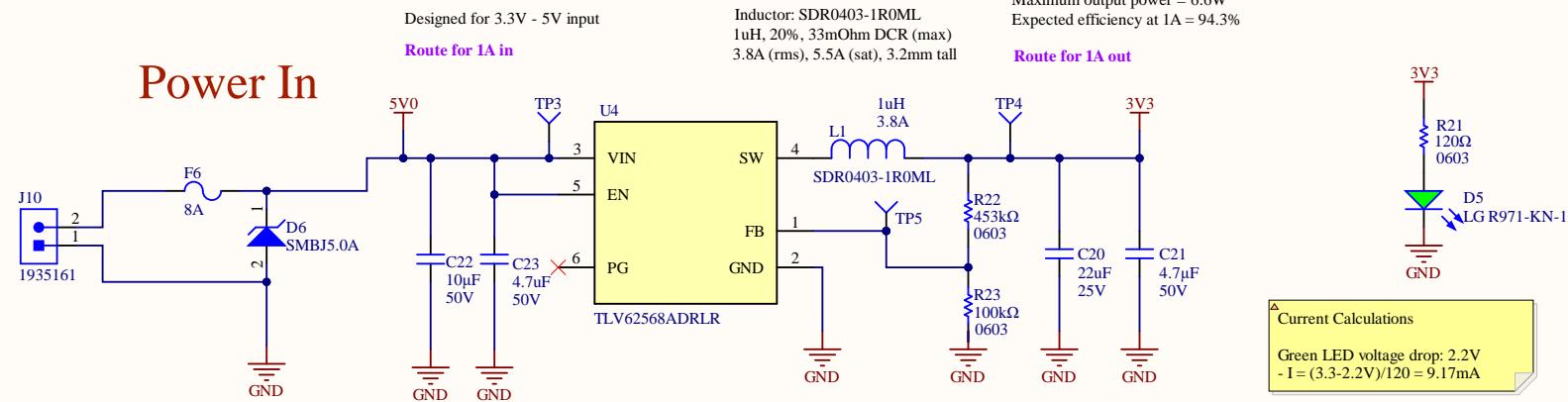
C

C

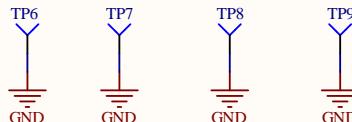
D

D

5V - 3.3V Buck Converter



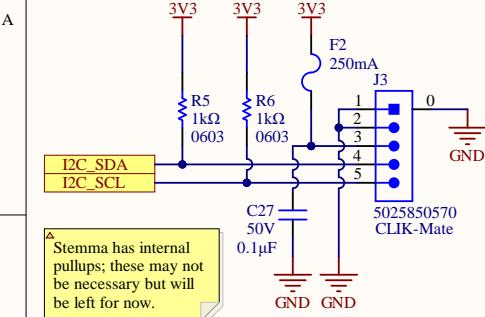
GND Test Points



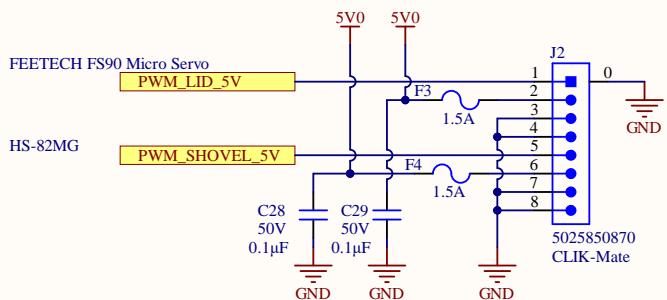
Title: Science - Power		UW Robotics
Size: Letter	Drawn By: Wolfgang Wiedholz	200 University Avenue Waterloo Ontario Canada N2L 3G6
Date: 2020-10-14	Sheet 1 of 5	UW ROBOTICS TEAM
File: C:\Users\lance\GitHub\MarsRover2020-PCB\Projects\Science\Rev2\SH1 - POWER.SchDoc		

Broadcom AEAT6012 Encoder

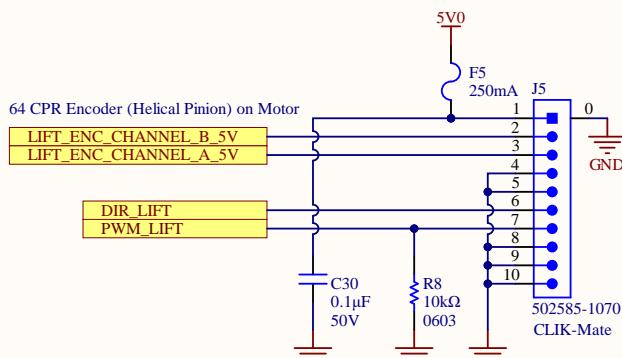
STEMMA Moisture Sensor



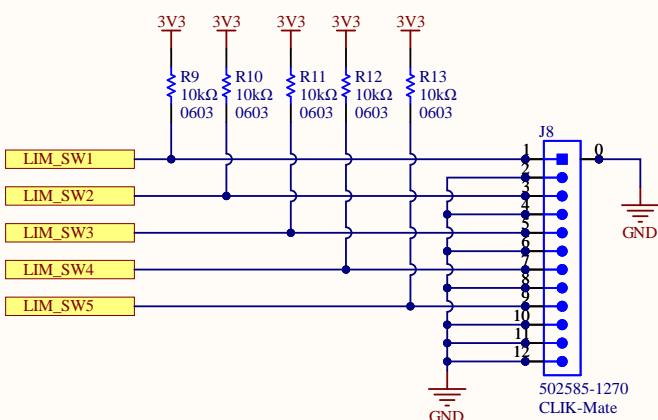
Servos



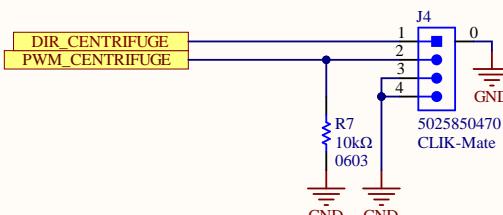
Pololu 4693 Motor



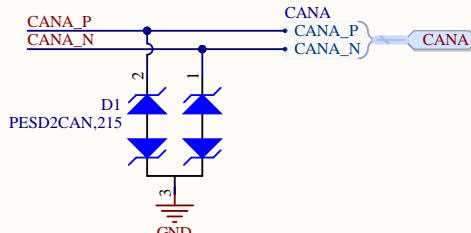
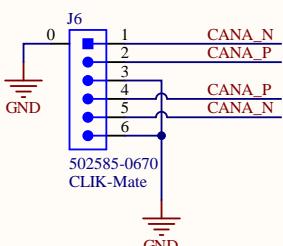
Limit Switches



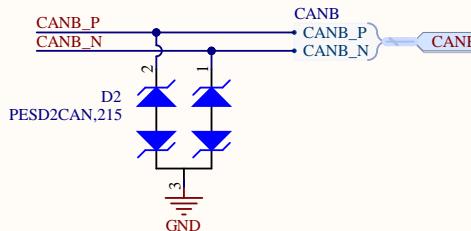
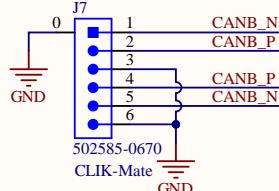
Pololu 4685 Motor



CAN BUS A



CAN BUS B



A

A

B

B

C

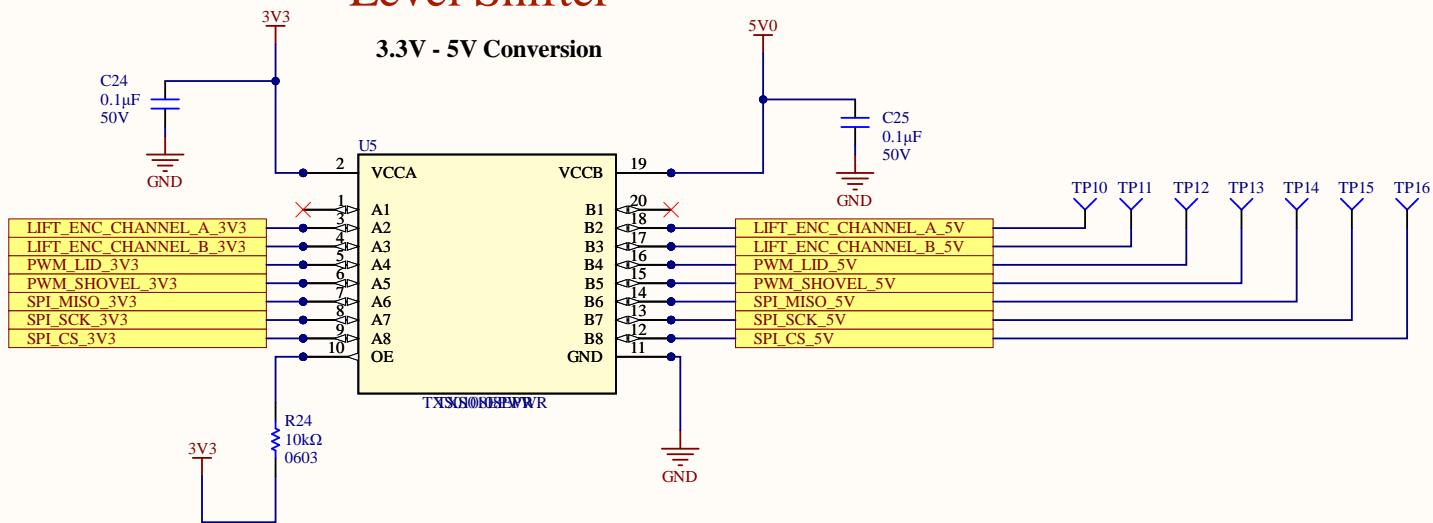
C

D

D

Level Shifter

3.3V - 5V Conversion



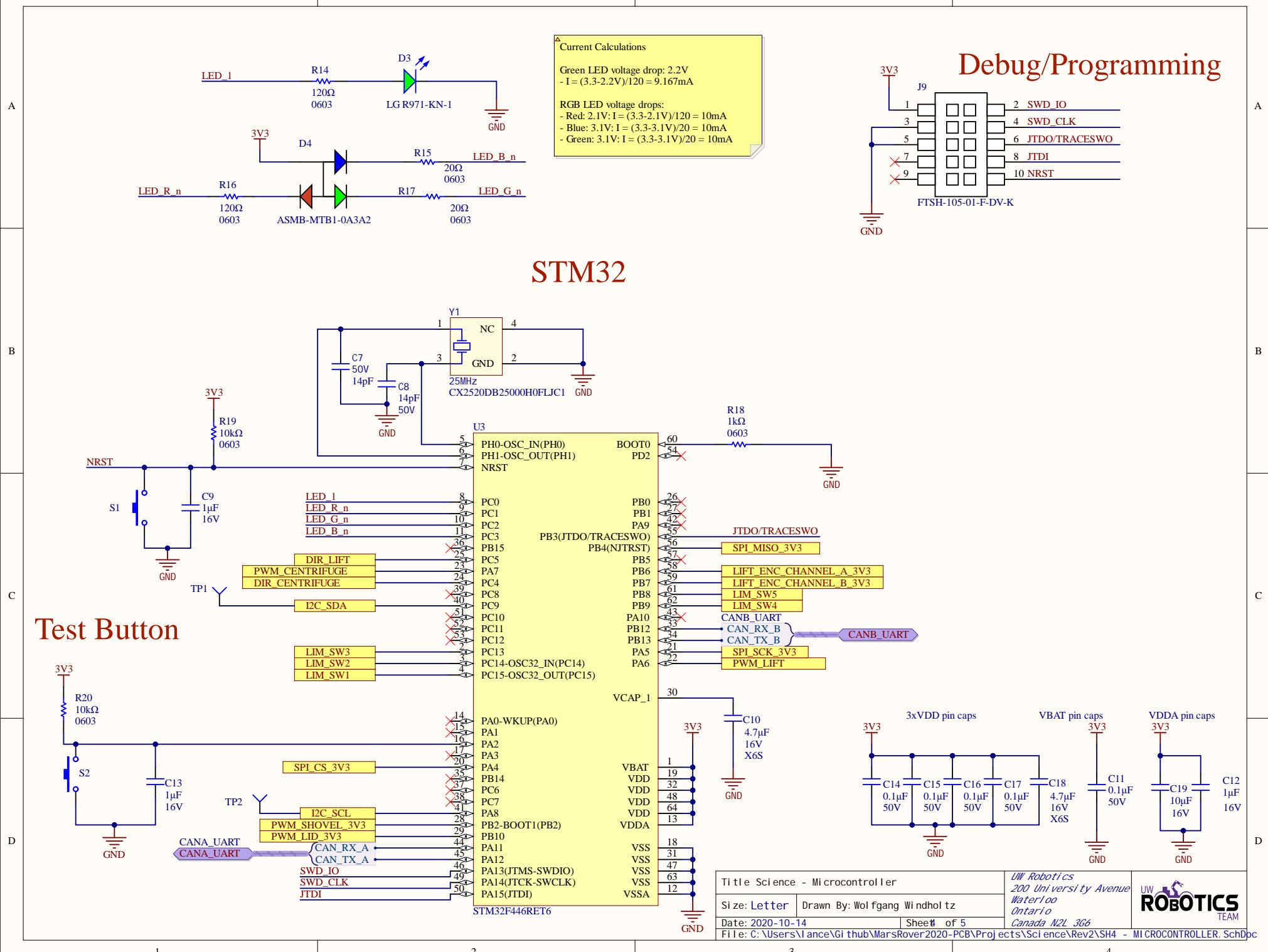
Mounting Holes

H1

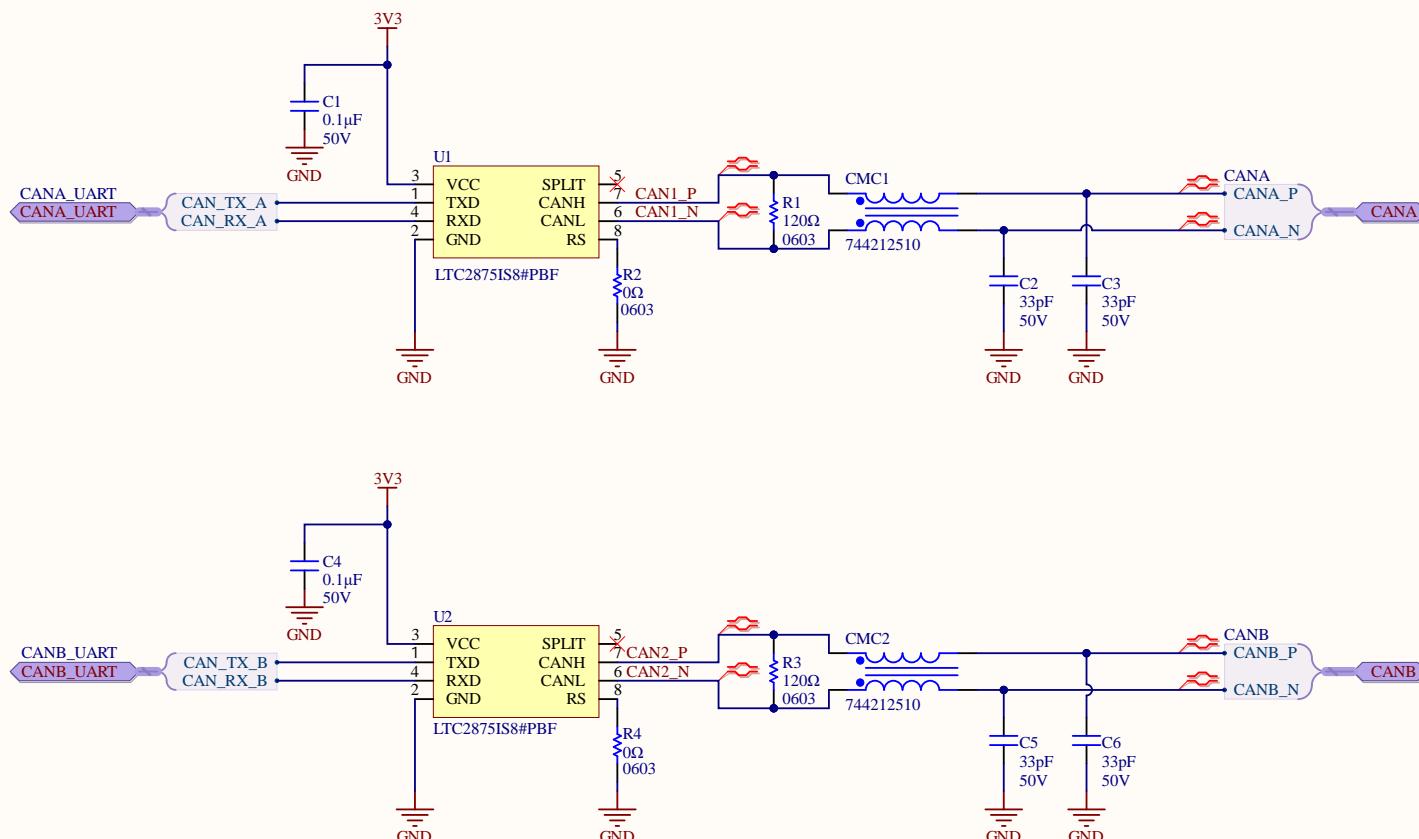
H2

H3

H4



CAN Transceivers



Title: Science - CAN		UW Robotics
Size: Letter	Drawn By: Wolfgang Windholz	200 University Avenue Waterloo Ontario Canada N2L 3G6
Date: 2020-10-14	Sheet 6 of 5	
File: C:\Users\lance\GitHub\MarsRover2020-PCB\Projects\Science\Rev2\SH5 - CAN.SchDoc		UW ROBOTICS TEAM