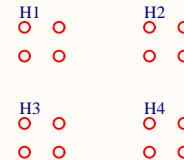
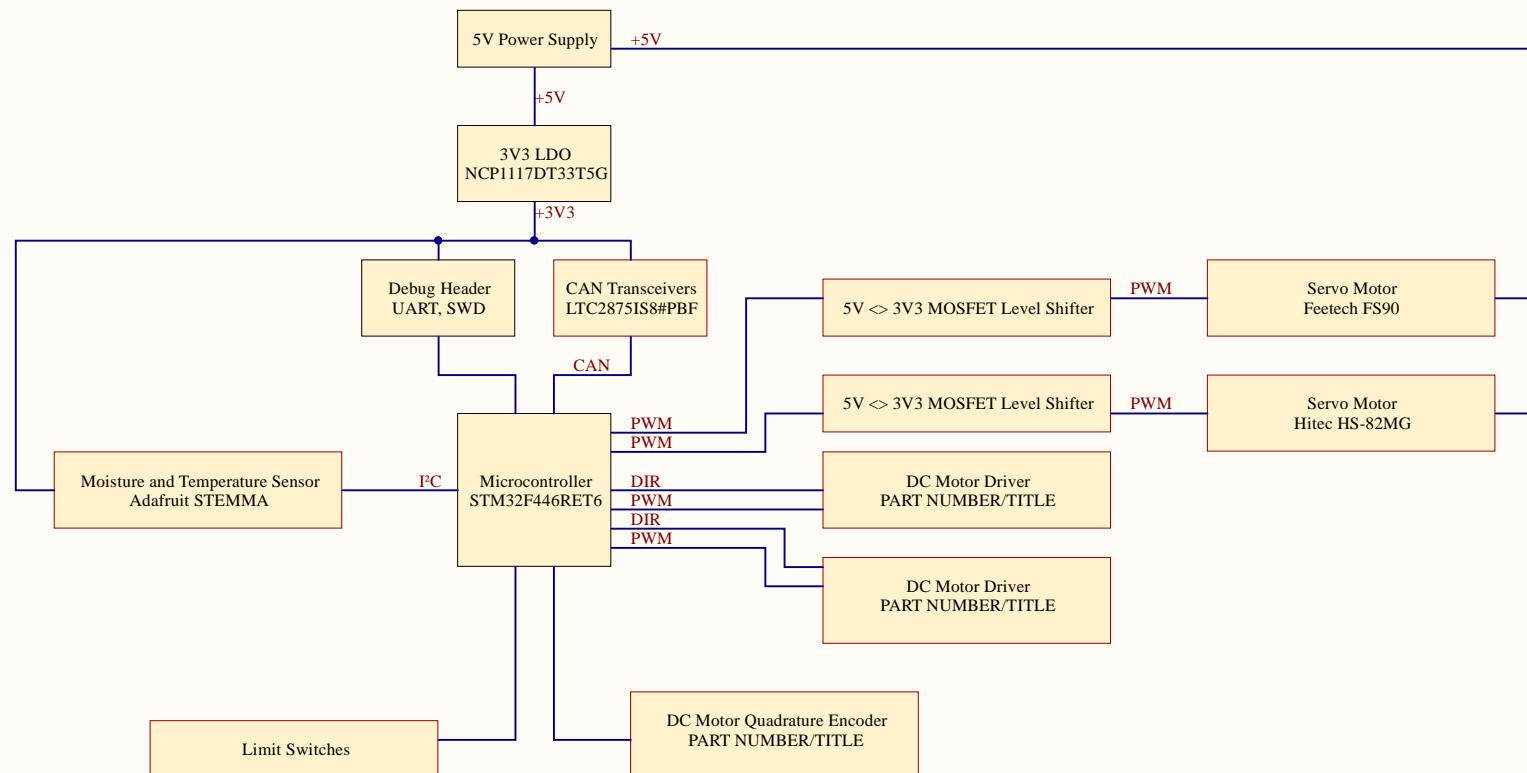


A

## Mounting Holes



B



A

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C

D

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Size	Number	Revision
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Date: 2020-04-28	Sheet of	
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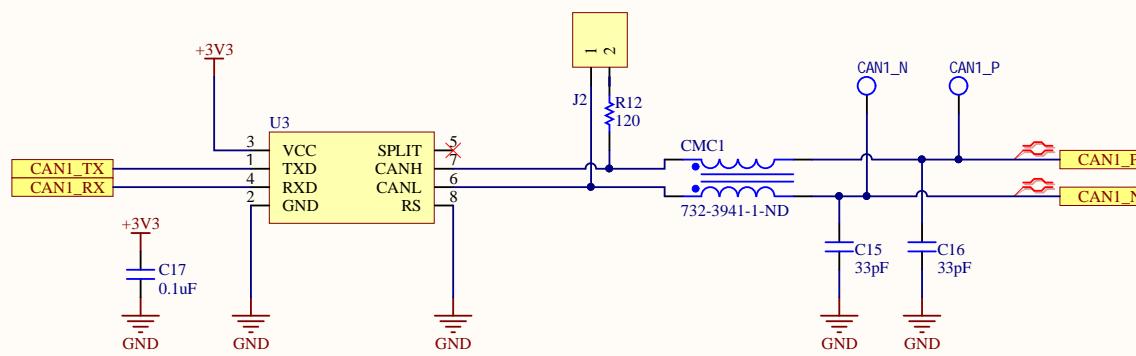
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## CAN Transceivers

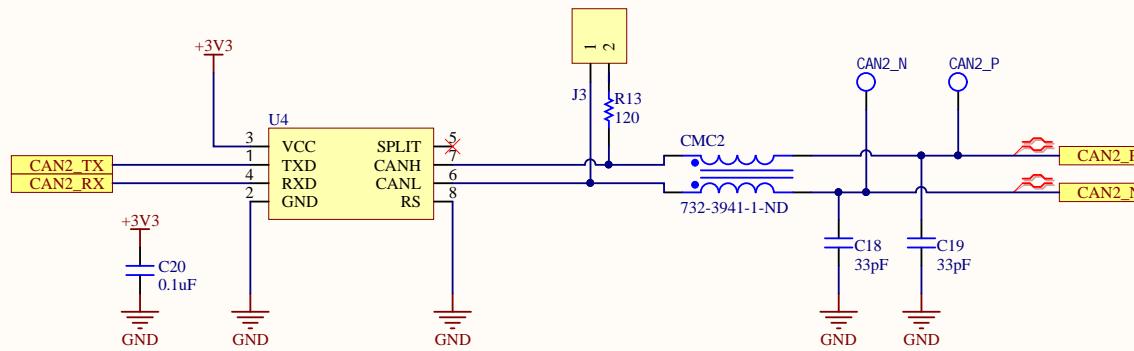
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C

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D

D

Title: Science - CAN

Size: Letter | Drawn By: C. Arjune

Date: 2020-04-28

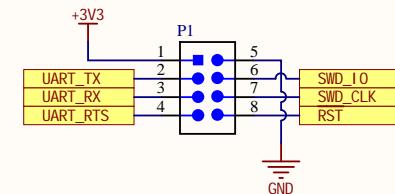
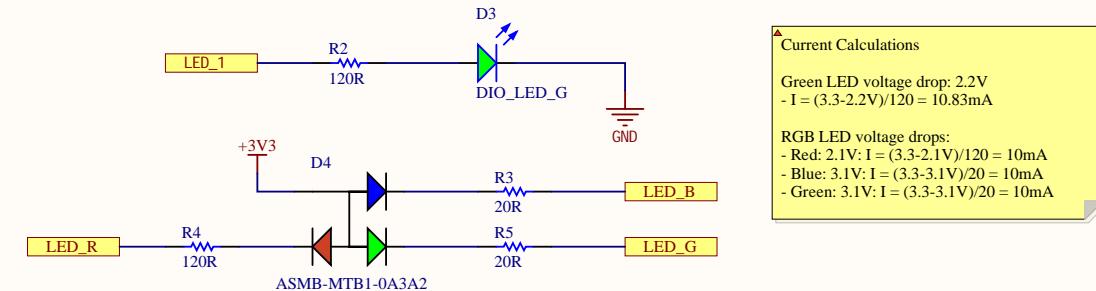
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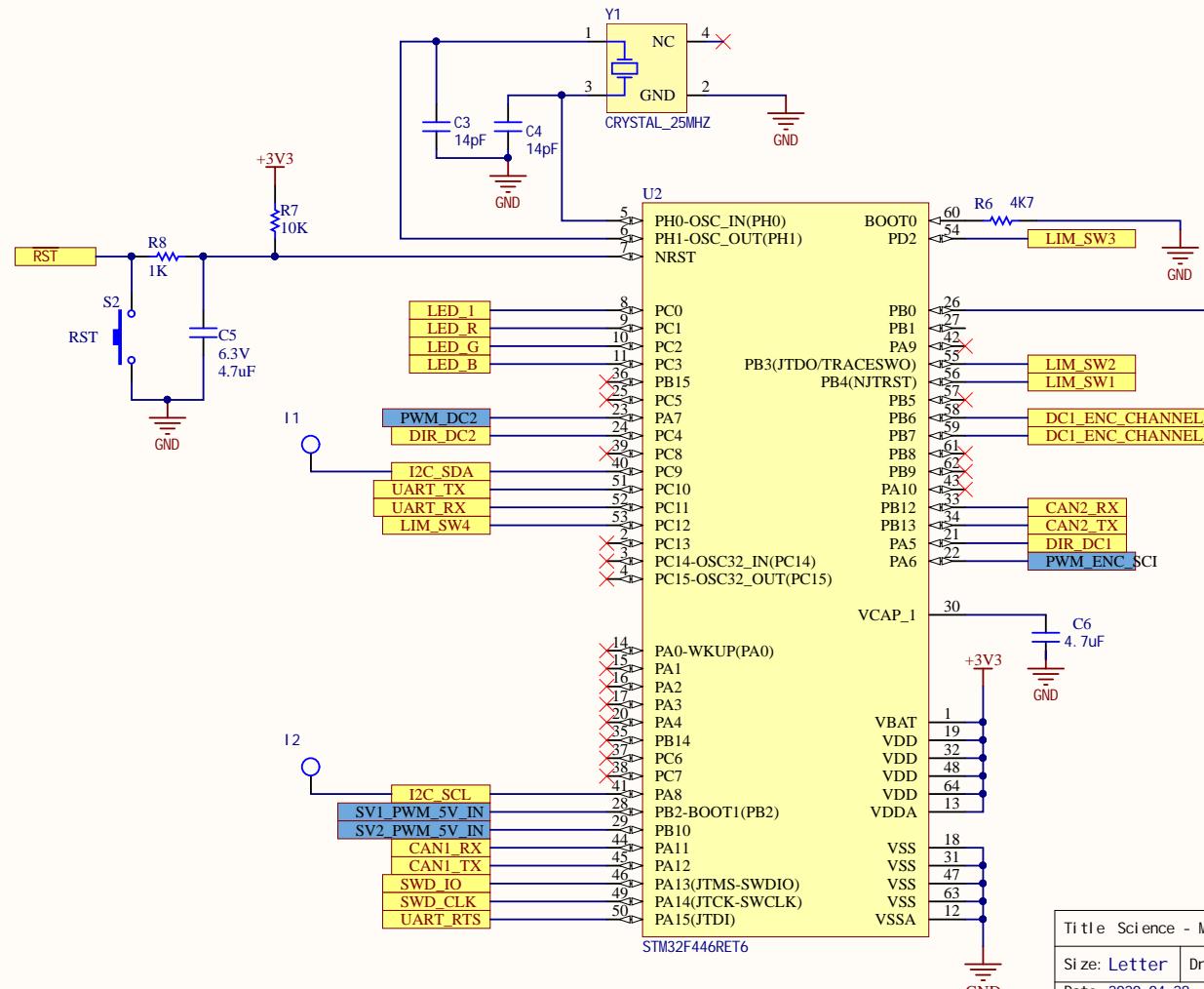
UW Robotics  
200 University Avenue  
Waterloo  
Ontario  
Canada N2L 3G6



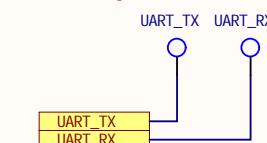
## Debug/Programming



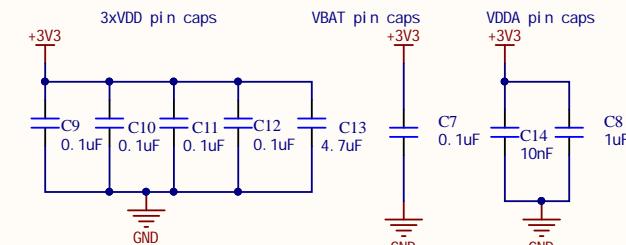
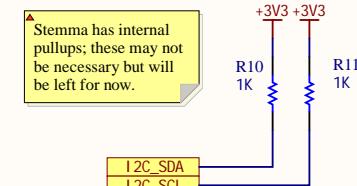
## STM32F446RET6



## Testpoints



## I<sup>2</sup>C Pullups



A

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B

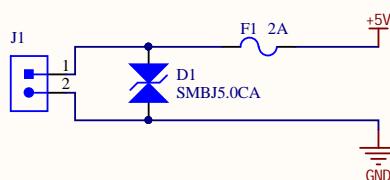
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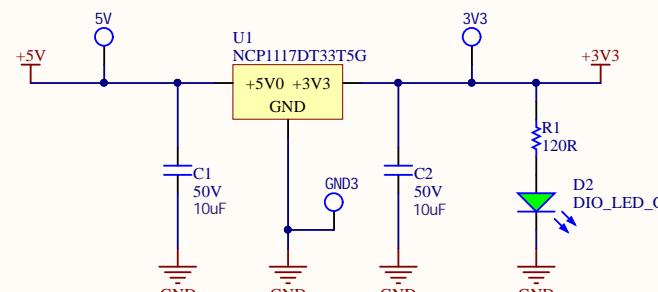
D

D

## Power In



## 5V - 3.3V LDO



LED forward voltage: 2.2V  
 $I = (3.3-2.2)/120 = 9.17\text{mA}$

- V2: Replace LDO with an LDO with less ESR requirements  
- Explore adding bulk capacitor

## Consolidated connectors

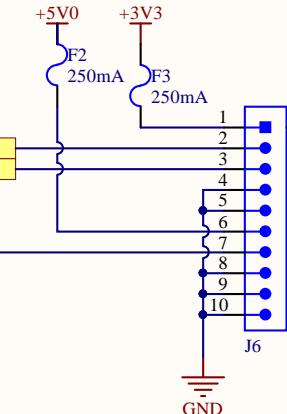
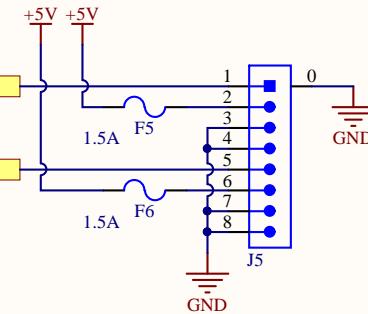
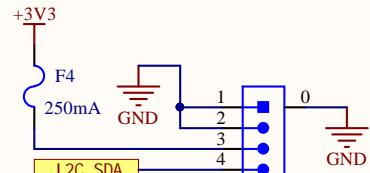
### sensors

need to wire  
connections for  
endoders motors  
& can

Mistakes were made  
on counting the pins.  
This 10 long should  
be 9 pin long

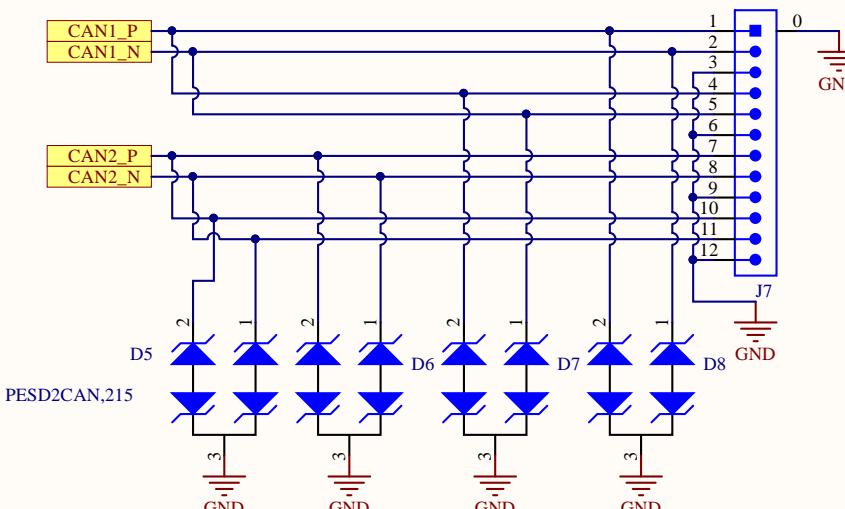
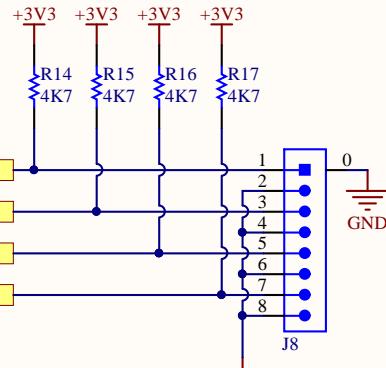
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A



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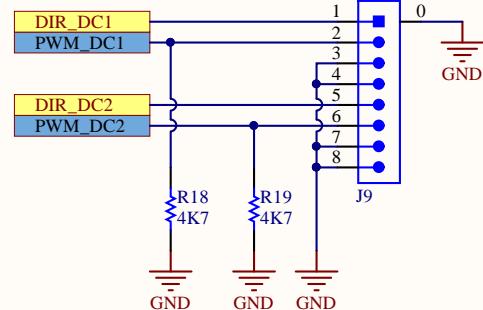
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PESD2CAN,215

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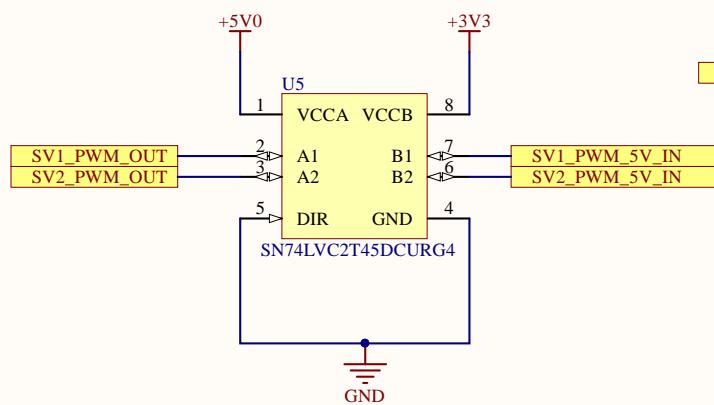
A

A

RC filter for PWM server encoder. Needs to be changed

B

B



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Number

Revision

Date: 2020-04-28

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