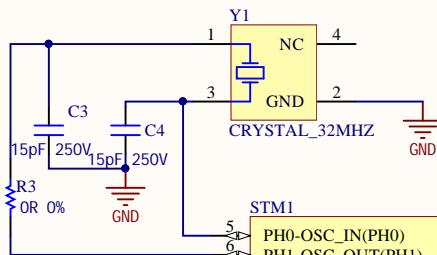
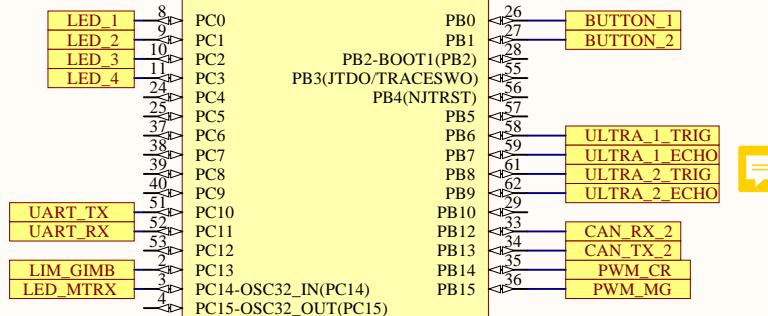
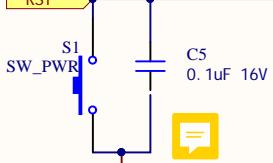


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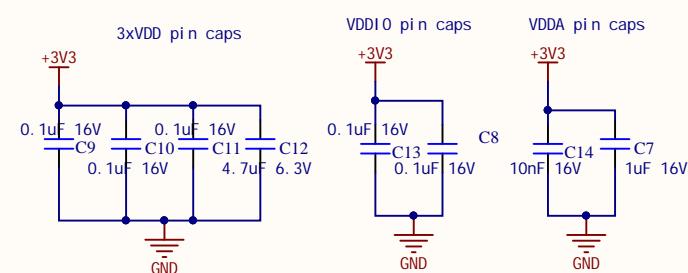
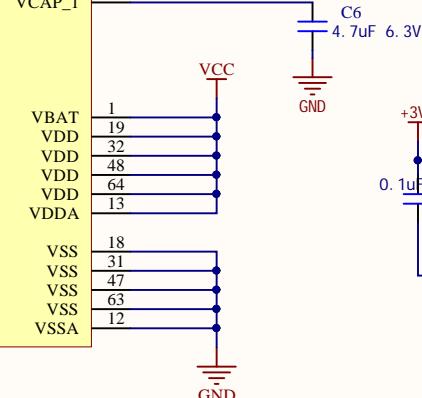


STM1
PH0-OSC_IN(PH0)
PH1-OSC_OUT(PH1)
NRST



VCAP_1
PA0-WKUP(PA0)
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13(JTMS-SWDIO)
PA14(JTCK-SWCLK)
PA15(JTDI)

STM32F446RET6



B

Title Gimbal MCU Schematic

UW Robotics
200 University Avenue
Waterloo
Ontario
Canada N2L 3G6

ROBOTICS TEAM

Size: Letter Drawn By: Jing Hao Yao

Date: 2019-11-03

Sheet1 of 5

File: C:\Users\Adrianna\Documents\MarsRover2020-PCB\Projects\Gimbal\Rev1\sch\MCU.SchDoc

C

D

A

A

B

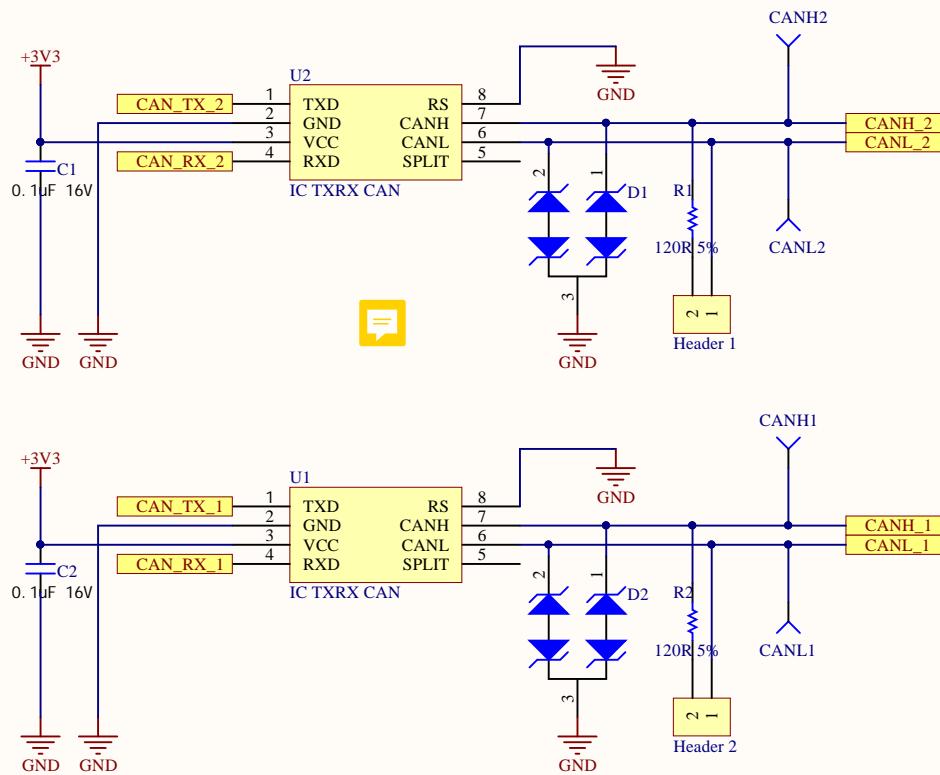
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C

C

D

D

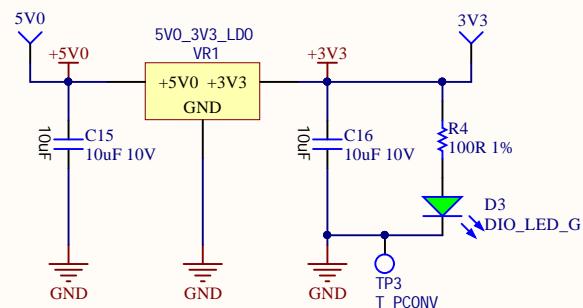


A

A

B

B



C

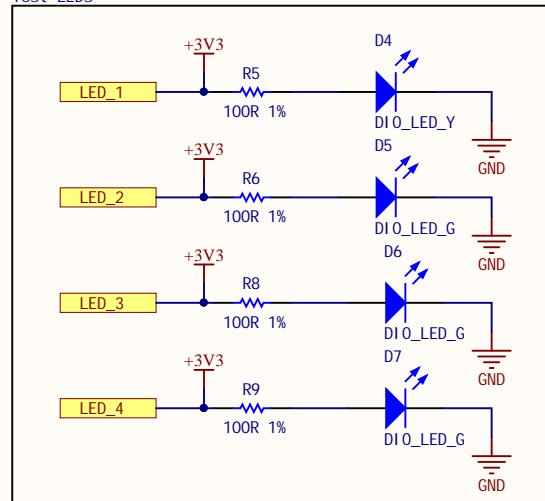
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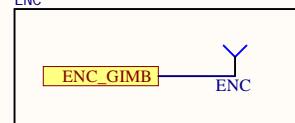
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A

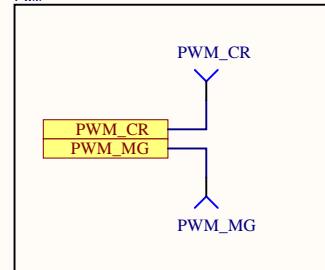
Test LEDs



ENC

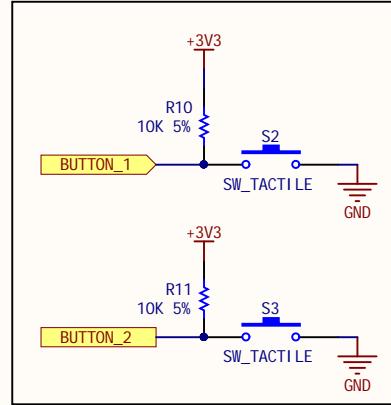


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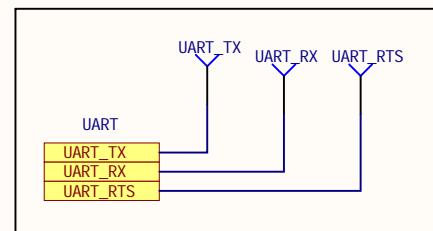
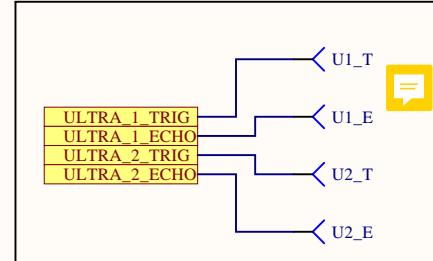


B

Test Buttons



UI trasonic



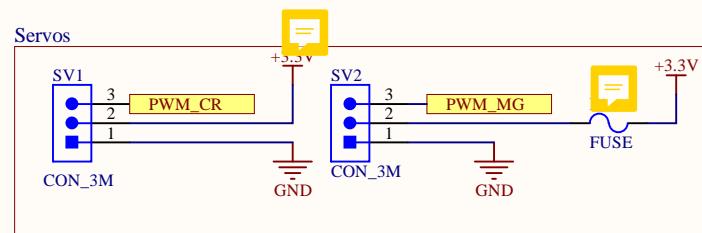
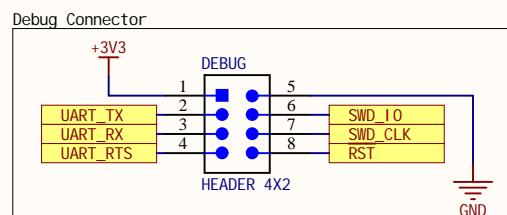
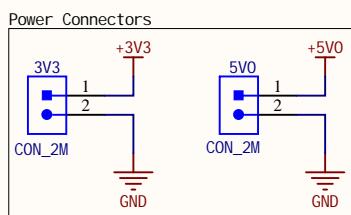
C

MH1 MH2
 ○○ ○○
 ○○ ○○
 MOUNTING_HOLES MOUNTING_HOLES

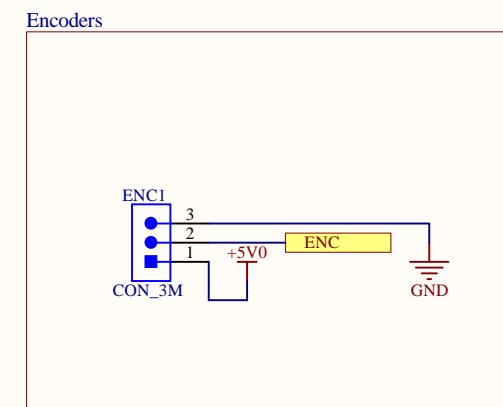
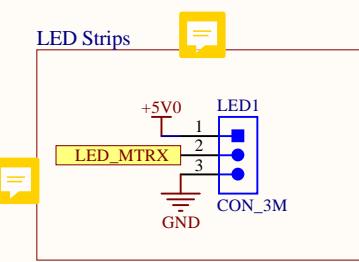
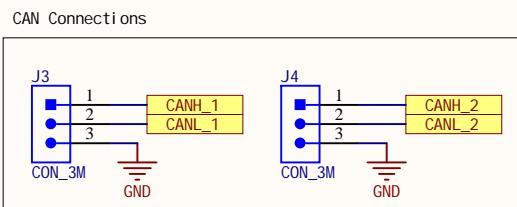
MH3 MH4
 ○○ ○○
 ○○ ○○
 MOUNTING_HOLES MOUNTING_HOLES

D

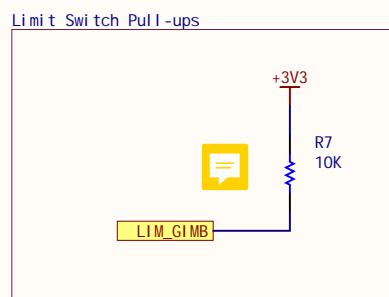
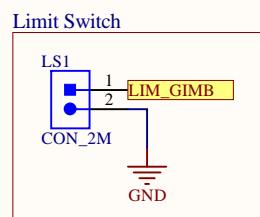
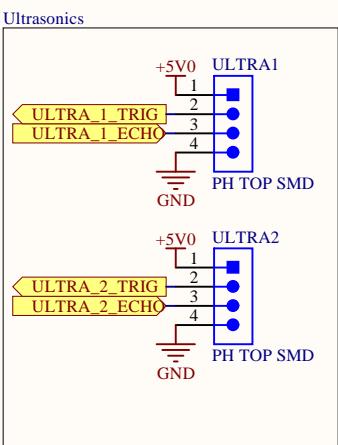
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B



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D