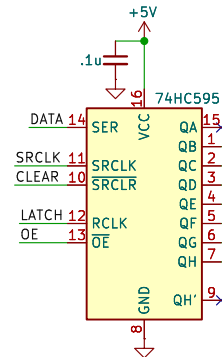
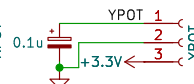
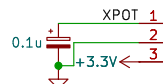
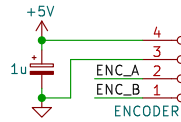
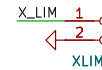
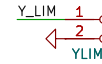
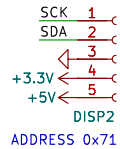
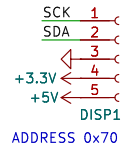
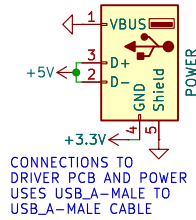
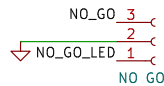
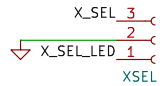
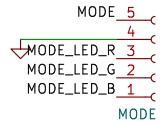


SWITCHES AND BUTTONS

File: switchesAndButtons.kicad_sch



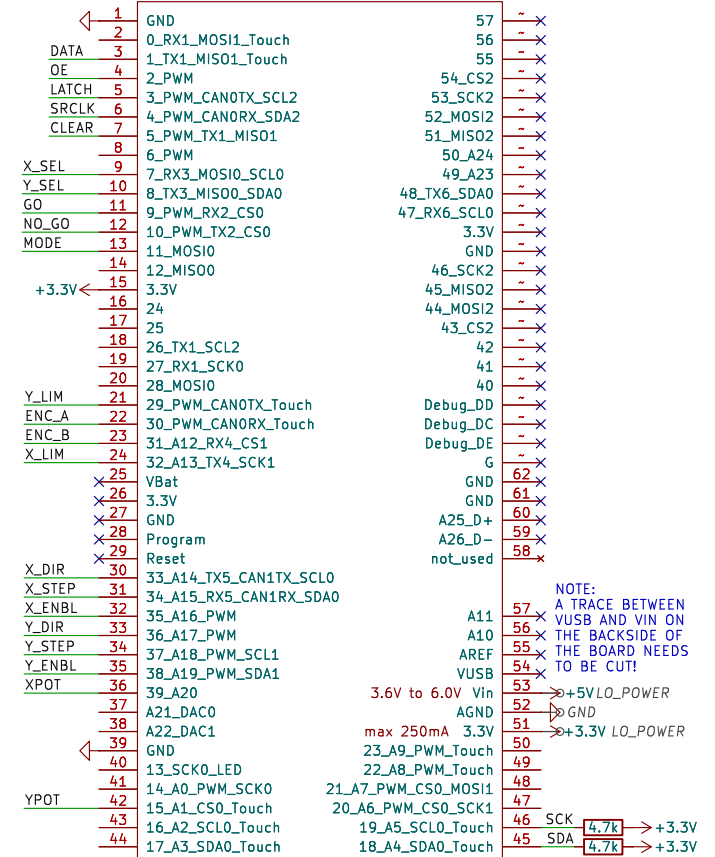
74HC595
THE FIRST BIT RECIEVED IS ASSIGNED TO QH

USING MSB FIRST:

QH QG QF QE QD QC QB QA
JOG X : B 1 0 0 0 0 0 1 0 -> DEC 130
JOG Y : B 0 1 0 0 0 0 1 0 -> DEC 66
NO PROGRAM : B 0 0 0 1 1 0 0 0 -> DEC 24
WAITING : B 0 0 1 1 1 0 0 0 -> DEC 56
RUNNING : B 0 0 1 1 0 1 0 0 -> DEC 52

Teensy3.5

https://www.pjrc.com/teensy/card8a_rev2.pdf
<https://www.pjrc.com/teensy/pinout.html>



NOTE:
A TRACE BETWEEN
VUSB AND VIN ON
THE BACKSIDE OF
THE BOARD NEEDS
TO BE CUT!

3.6V to 6.0V Vin
max 250mA 3.3V
23_A9_PWM_Touch
22_A8_PWM_Touch
21_A7_PWM_CS0_MOSI1
20_A6_PWM_CS0_SCK1
19_A5_SCL0_Touch
18_A4_SDA0_Touch

INCLUDE A
4 GB MICRO
SD CARD

Sheet: 1 of 2



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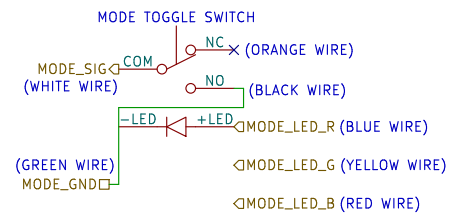
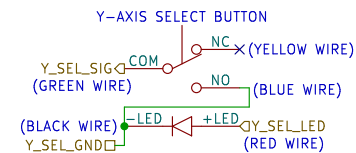
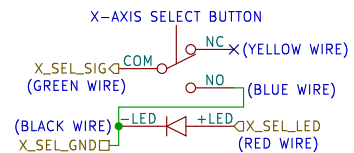
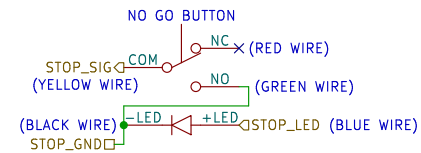
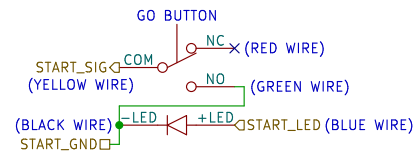
Project:
PITOT TUBE AUTOMATION

TITLE:
CONTROLLER SCHEMATIC

DWG.No.:
TM240807-01

DESIGNED BY:
MARKS

DATE:
2024-08-07



Sheet: 2 of 2



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Project:
PITOT TUBE AUTOMATION

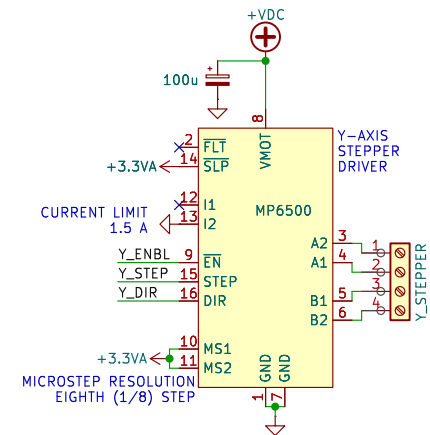
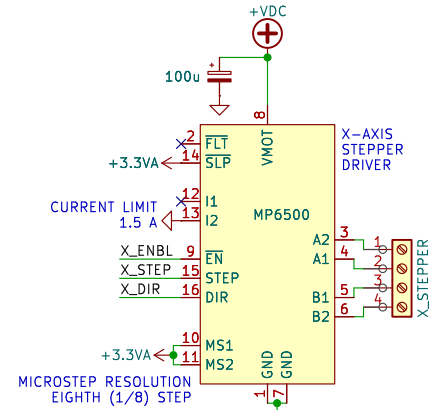
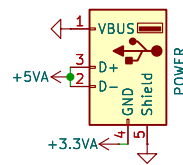
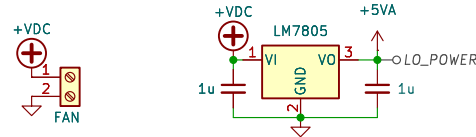
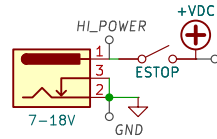
Title:
BUTTONS AND TOGGLE(S)

DWG.No.:
TM240807-02

DESIGNED BY:
MARKS

DATE:
2024-08-07

REV
A

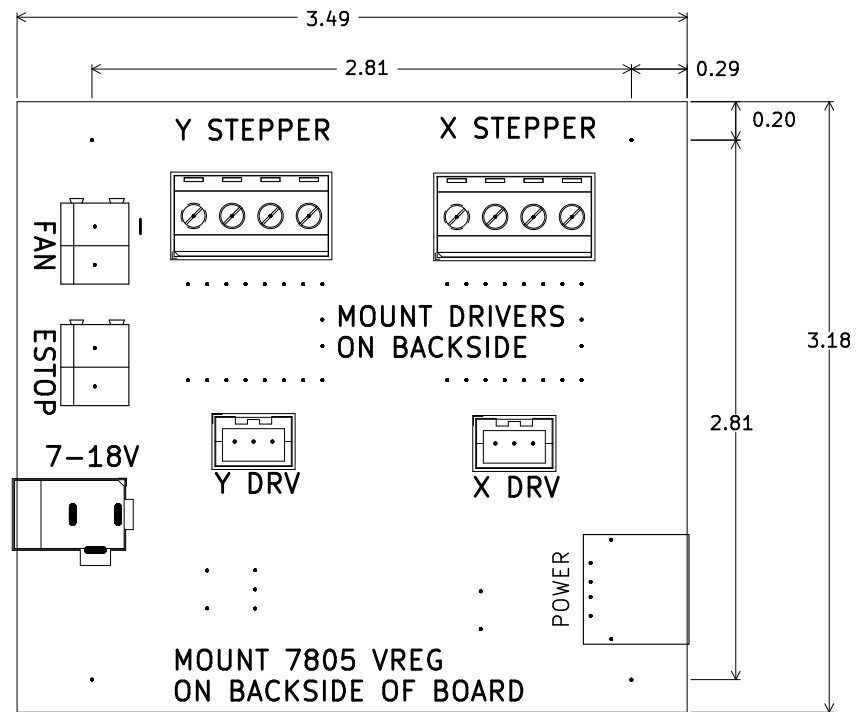


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Project: PITOT TUBE AUTOMATION	
TITLE: DRIVER PCB	
DWG.No.: TM240909-02	REV A
DESIGNED BY: MARKS	DATE: 2024-09-09

Sheet: 1 of 1



PITOT TUBE AUTOMATION

Sheet:

File: driver PCB.kicad_pcb

Title: DRIVER PCB

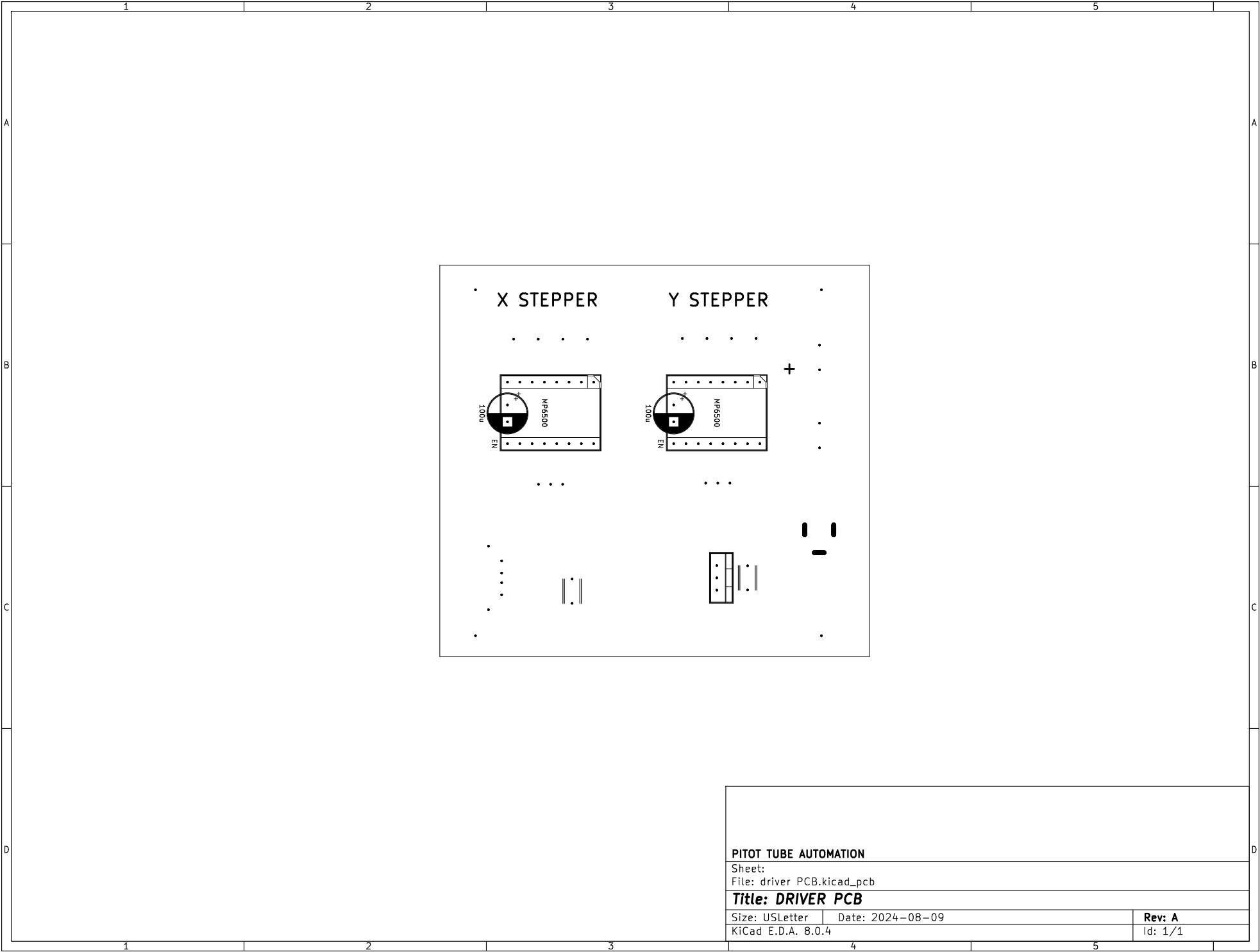
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Rev: A

KiCad E.D.A. 8.0.4

Id: 1/1



PITOT TUBE AUTOMATION

Sheet:
File: driver PCB.kicad_pcb

Title: DRIVER PCB

Size: USLetter | Date: 2024-08-09
KiCad E.D.A. 8.0.4

Rev: A
Id: 1/1