

STM32F405RG

AS5600_Magnetic_Encoders

AS5600_Left

File: AS5600_left.kicad_sch

AS5600_Right

File: AS5600_right.kicad_sch

DRV8833_Motor_Driver



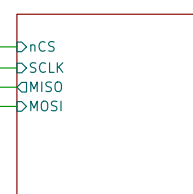
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IR_sensor



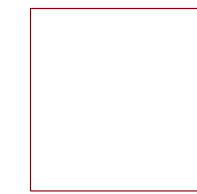
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MPU6500

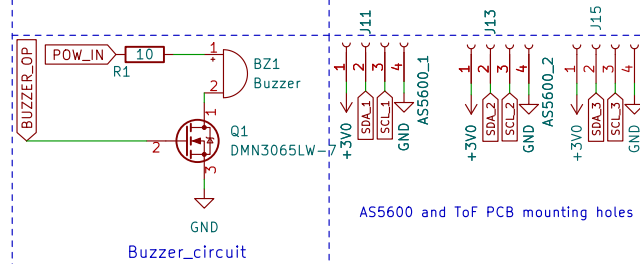


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VL6180x

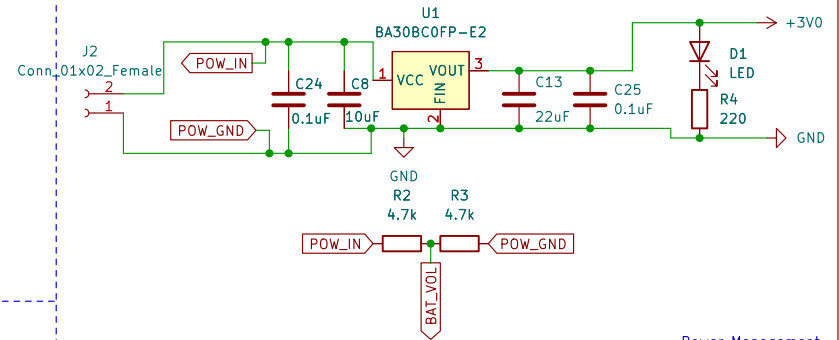
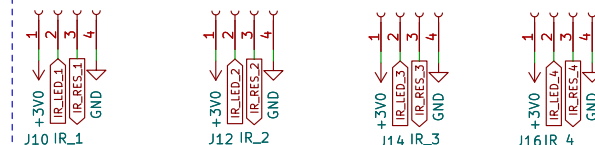


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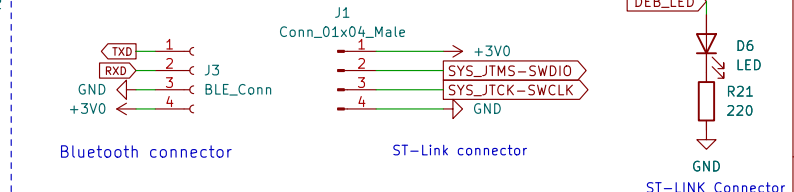
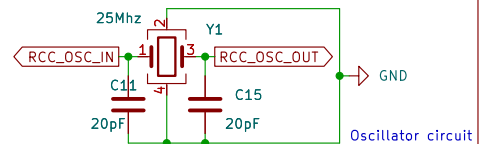
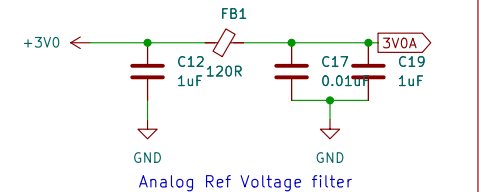
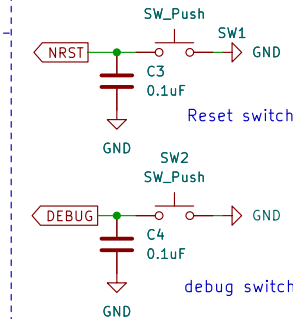
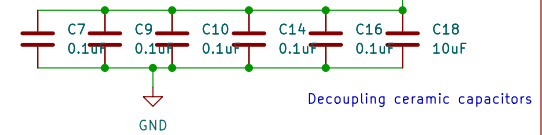


AS5600 and ToF PCB mounting holes

IR sensor PCB mounting holes



These capacitors need to be connected near VDD pins for STM32F405RG



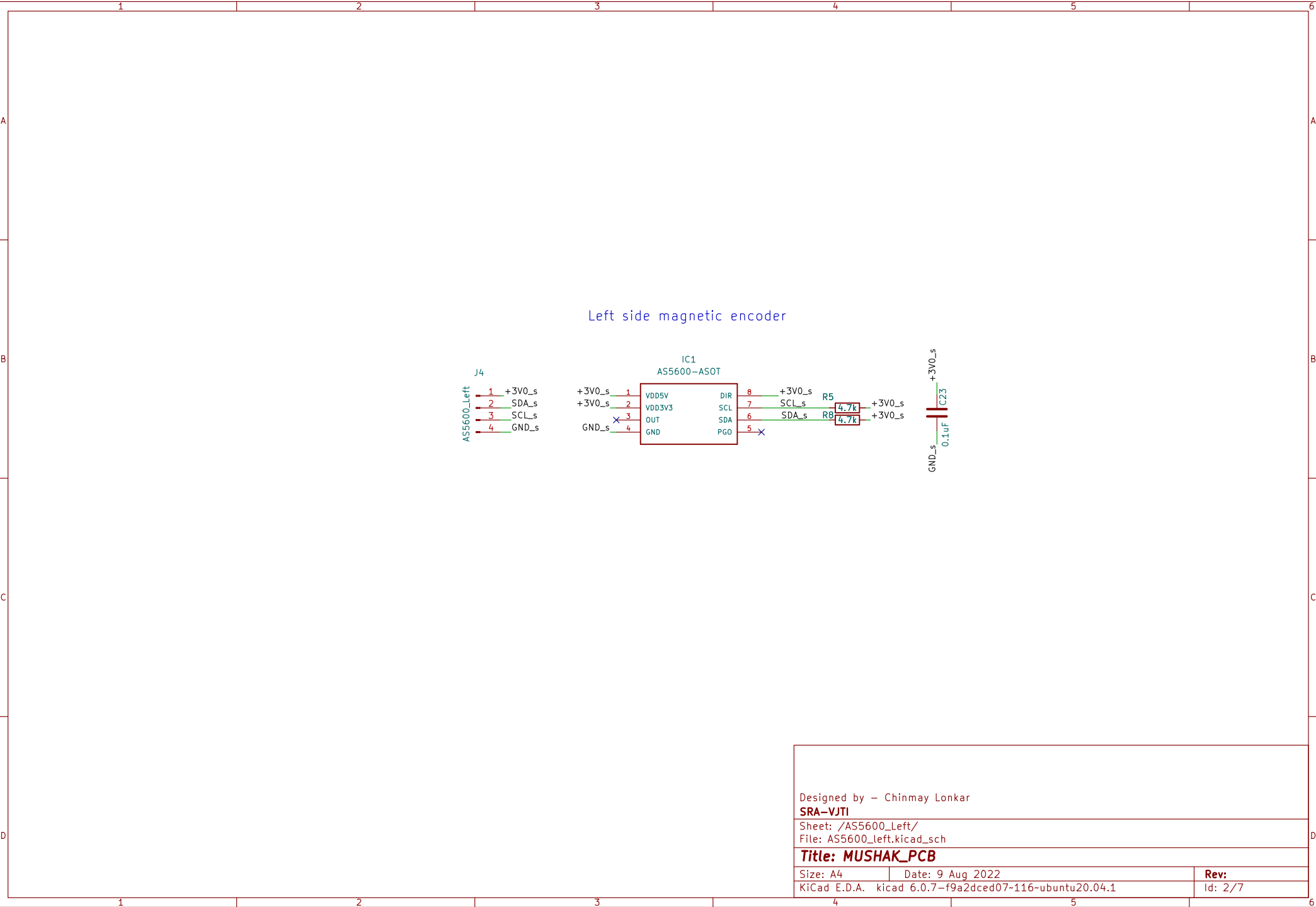
Designed by – Chinmay Lonkar
SRA-VJTI

Sheet: /
File: mushak_pcb.kicad_sch

Title: MUSHAK_PCB

Size: A4 Date: 9 Aug 2022
KiCad E.D.A. kicad 6.0.7-f9a2dced07-116-ubuntu20.04.1

Rev:
Id: 1/7



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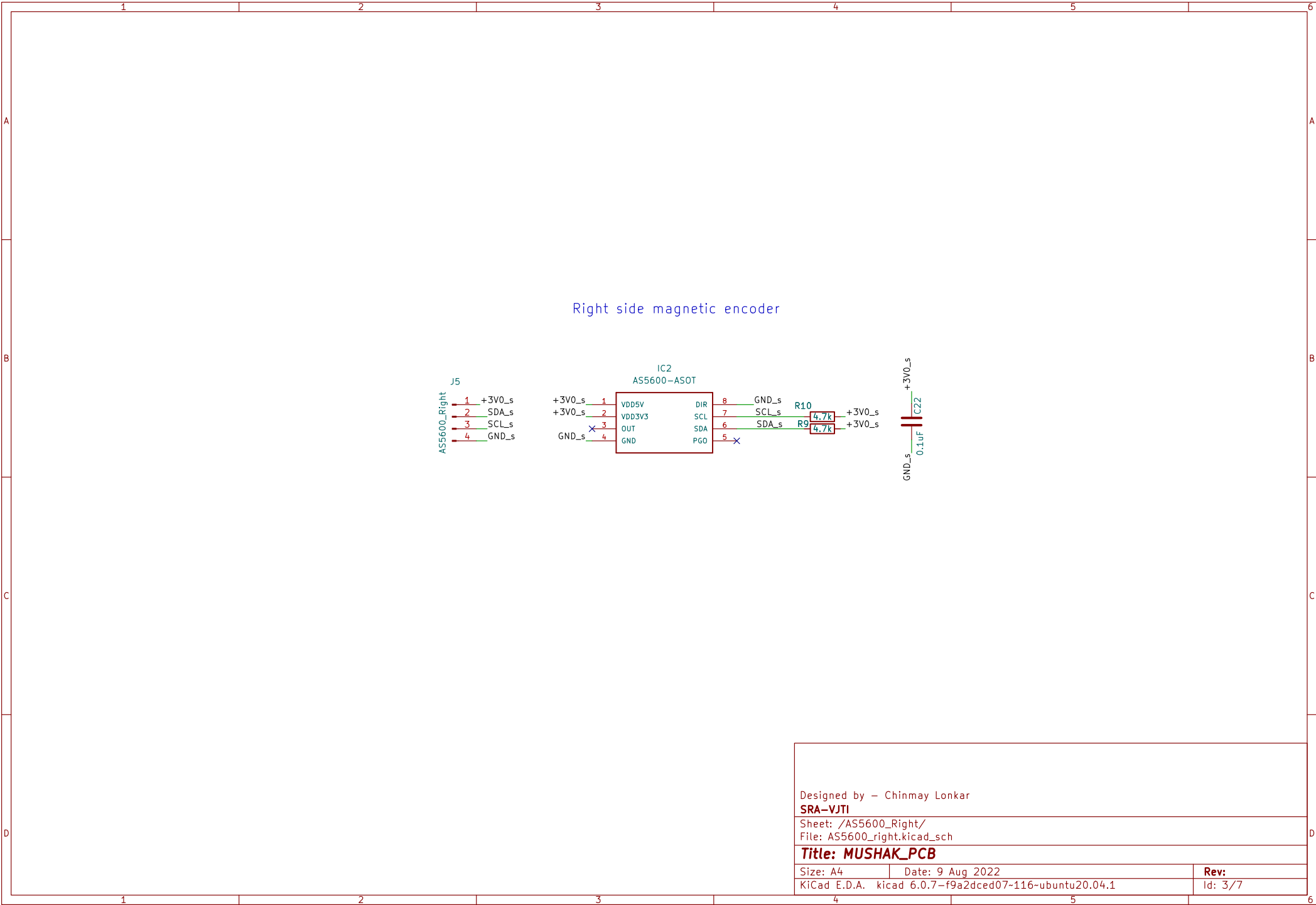
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Date: 9 Aug 2022

Rev:

KiCad E.D.A. kicad 6.0.7-f9a2dced07-116-ubuntu20.04.1

Id: 2/7



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File: AS5600_right.kicad_sch

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Size: A4

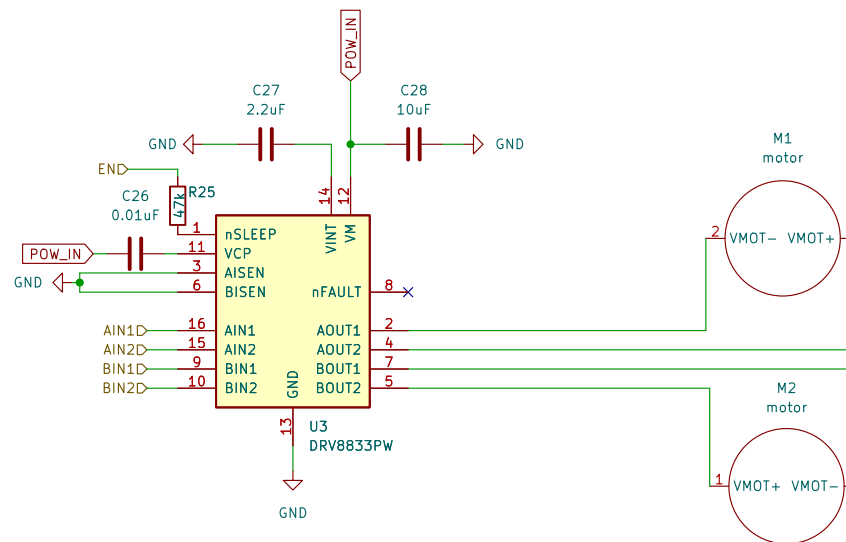
Date: 9 Aug 2022

Rev:

KiCad E.D.A. kicad 6.0.7-f9a2dced07-116-ubuntu20.04.1

Id: 3/7

Motor Driver IC



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Title: MUSHAK_PCB

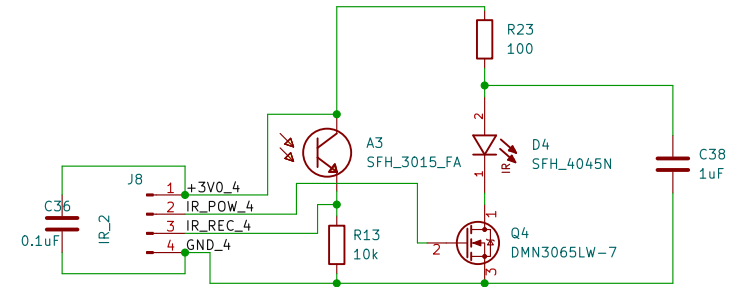
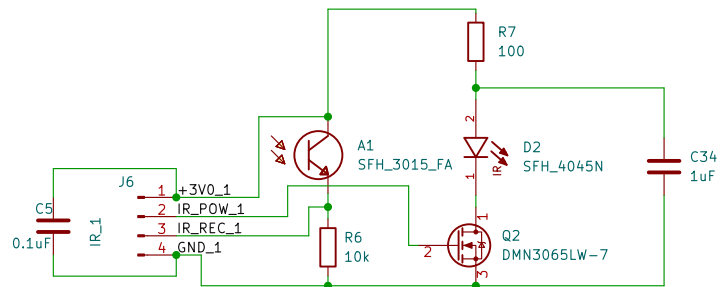
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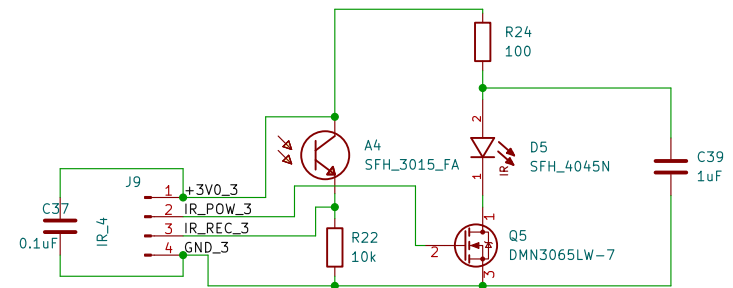
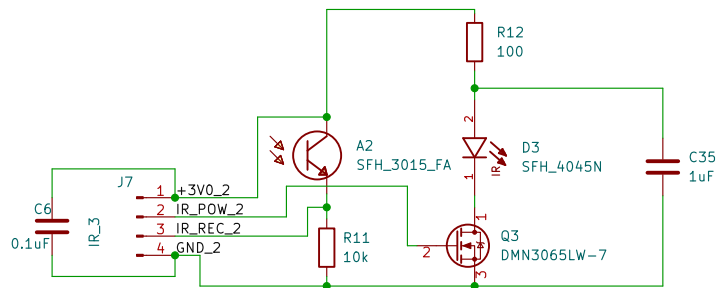
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Rev:

Id: 4/7



IR Sensors



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Sheet: /IR_sensor/

File: IR_sensor.kicad_sch

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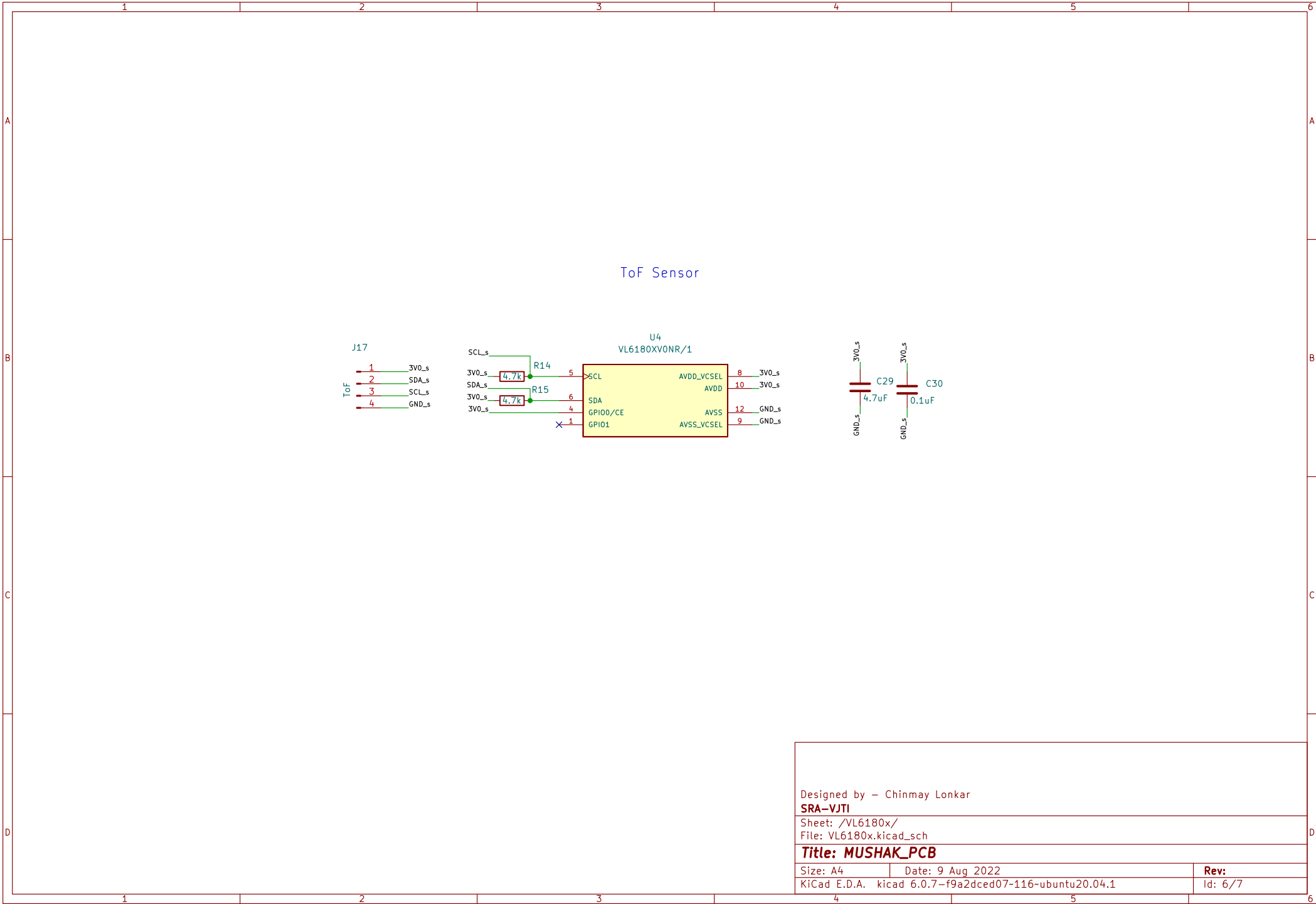
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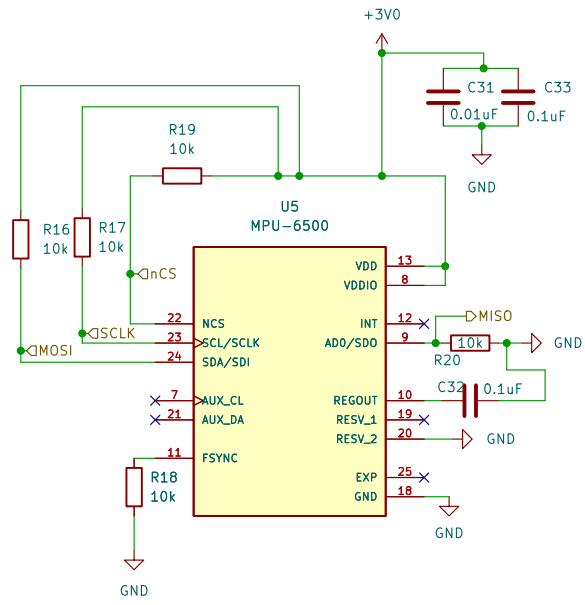
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Rev:

KiCad E.D.A. kicad 6.0.7-f9a2dcad07-116-ubuntu20.04.1

Id: 5/7





MPU6500 Sensor

Designed by – Chinmay Lonkar		
SRA–VJTI		
Sheet: /MPU6500/		
File: MPU6500.kicad_sch		
Title: MUSHAK_PCB		
Size: A4	Date: 9 Aug 2022	Rev:
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