

STM32F405RG

AS5600_Magnetic_Encoders

AS5600_Left

File: AS5600_left.kicad_sch

AS5600_Right

File: AS5600_right.kicad_sch

DRV8833_Motor_Driver

File: DRV8833.kicad_sch

IR_sensor

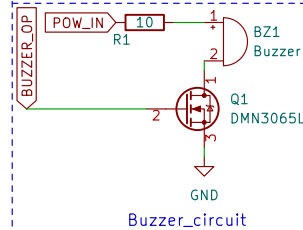
File: IR_sensor.kicad_sch

MPU6500

File: MPU6500.kicad_sch

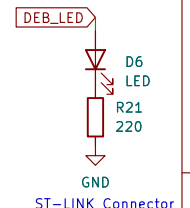
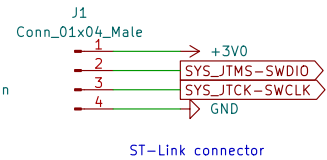
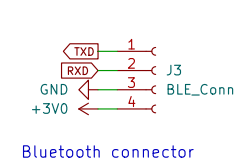
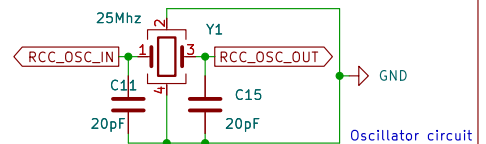
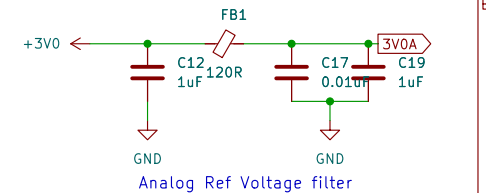
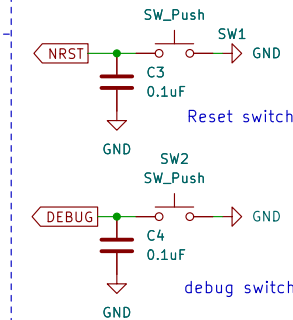
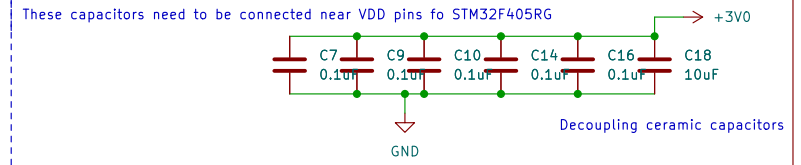
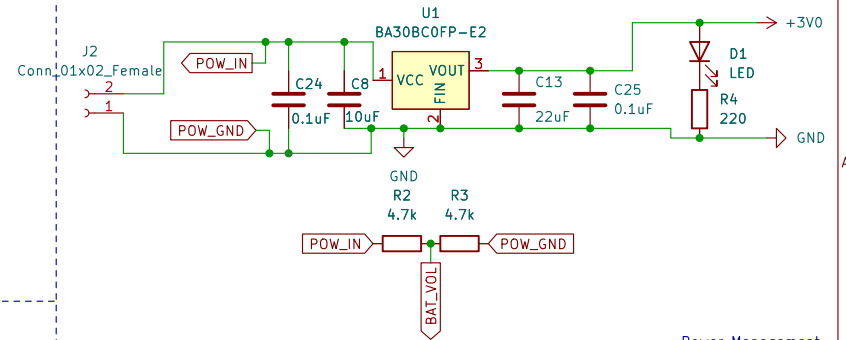
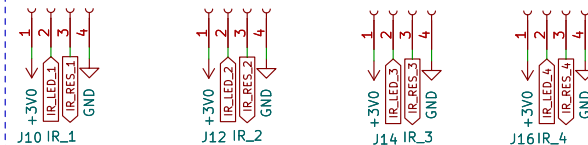
VL6180x

File: VL6180x.kicad_sch



AS5600 and ToF PCB mounting holes

IR sensor PCB mounting holes



Designed by – Chinmay Lonkar
SRA-VJTI

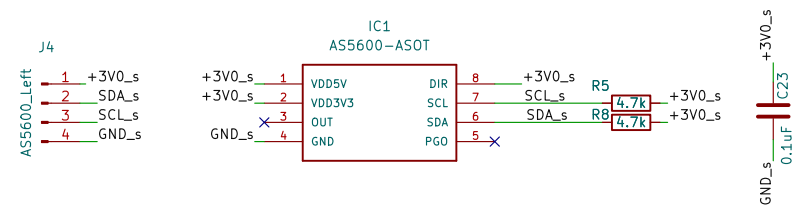
Sheet: /
File: mushak_pcb.kicad_sch

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

Left side magnetic encoder



Designed by – Chinmay Lonkar

SRA-VJTI

Sheet: /AS5600_Left/

File: AS5600_left.kicad_sch

Title: MUSHAK_PCB

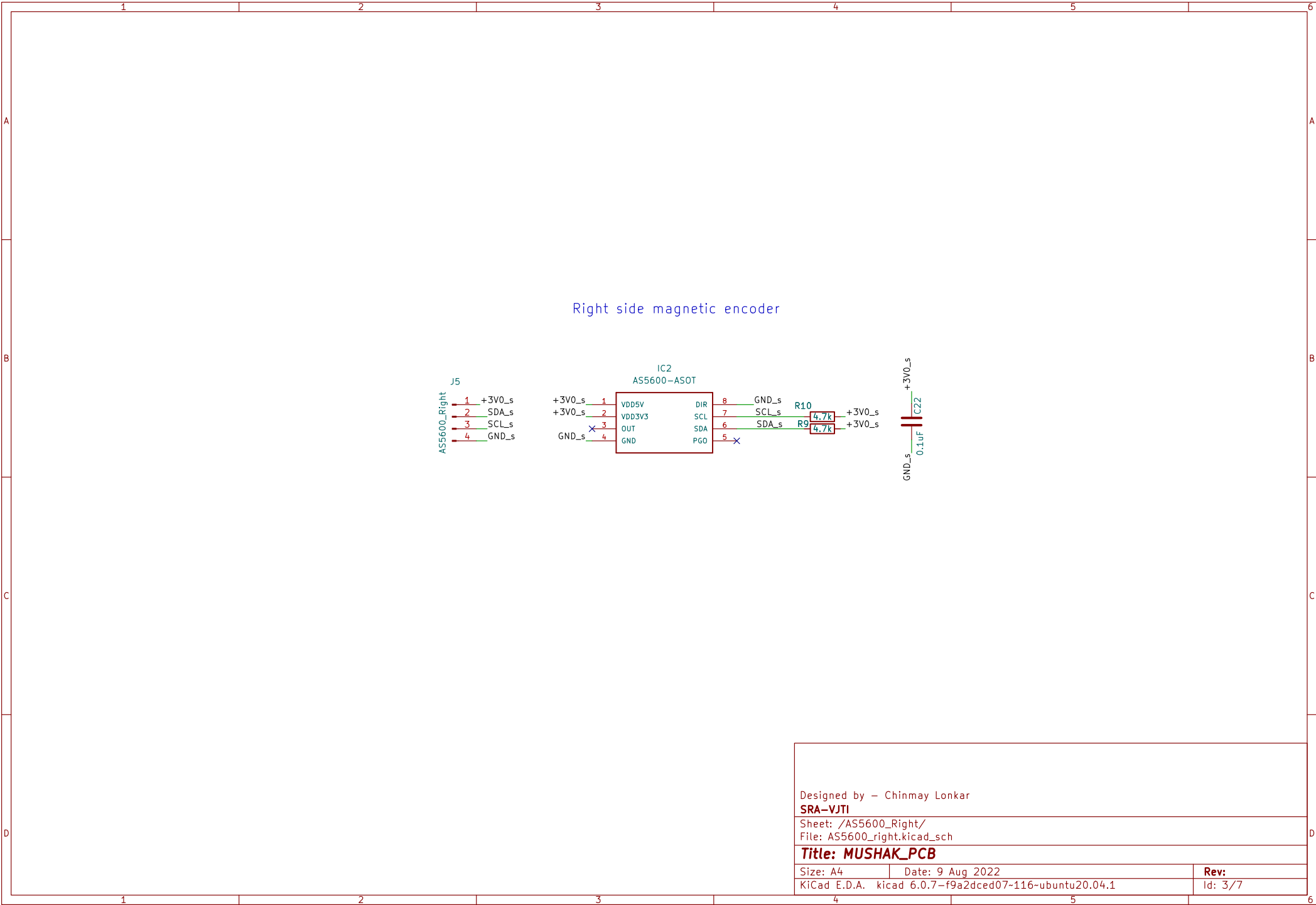
Size: A4

Date: 9 Aug 2022

Rev:

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

Id: 2/7



Designed by – Chinmay Lonkar

SRA-VJTI

Sheet: /AS5600_Right/

File: AS5600_right.kicad_sch

Title: MUSHAK_PCB

Size: A4

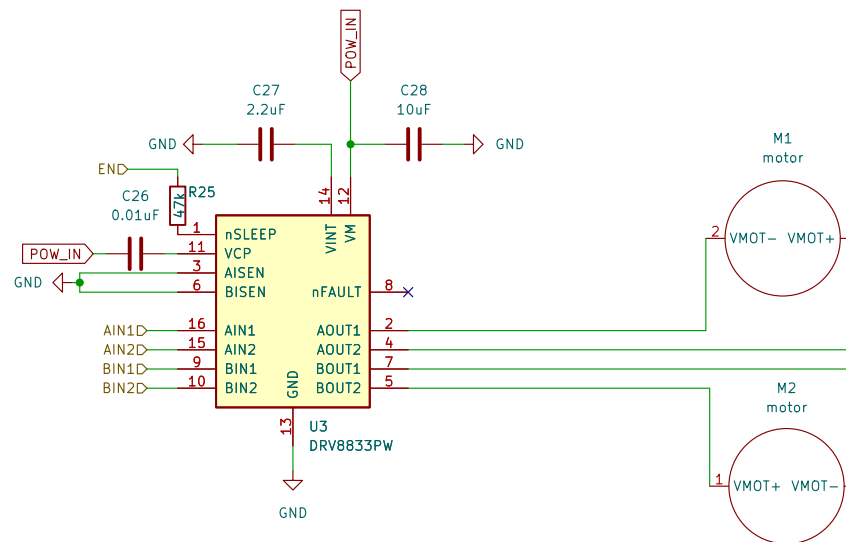
Date: 9 Aug 2022

Rev:

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

Id: 3/7

Motor Driver IC



Designed by – Chinmay Lonkar

SRA-VJTI

Sheet: /DRV8833_Motor_Driver/

File: DRV8833.kicad_sch

Title: MUSHAK_PCB

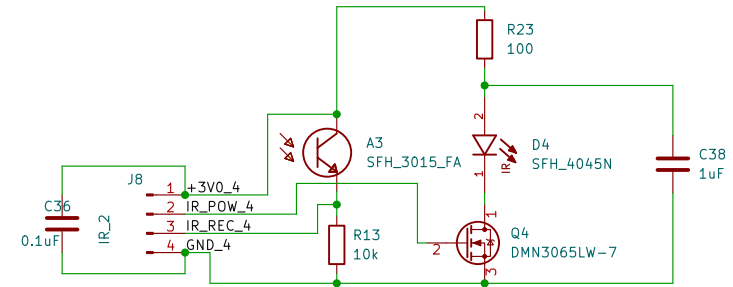
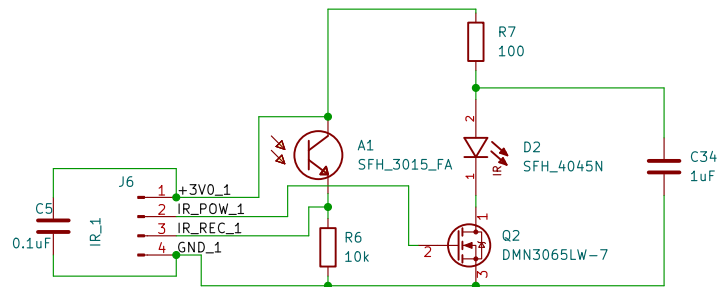
Size: A4

Date: 9 Aug 2022

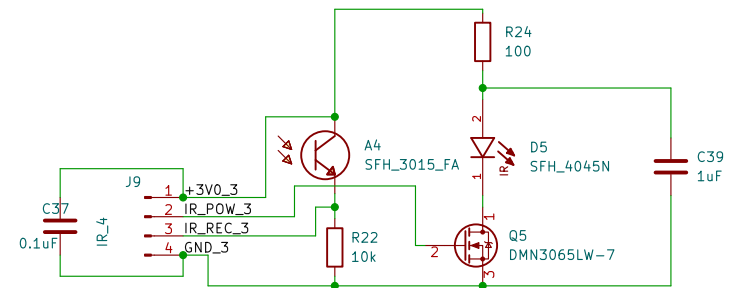
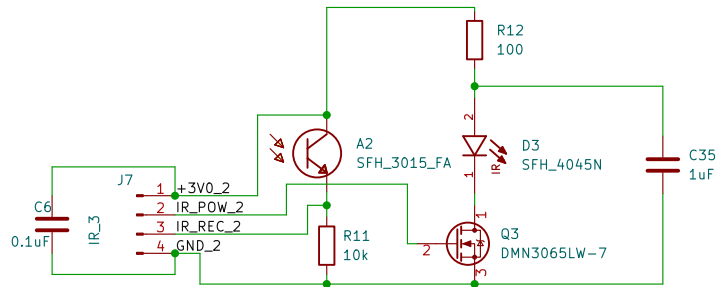
KiCad E.D.A. kicad 6.0.7-f9a2dced07-116-ubuntu20.04.1

Rev:

Id: 4/7



IR Sensors



Designed by – Chinmay Lonkar

SRA-VJTI

Sheet: /IR_sensor/

File: IR_sensor.kicad_sch

Title: MUSHAK_PCB

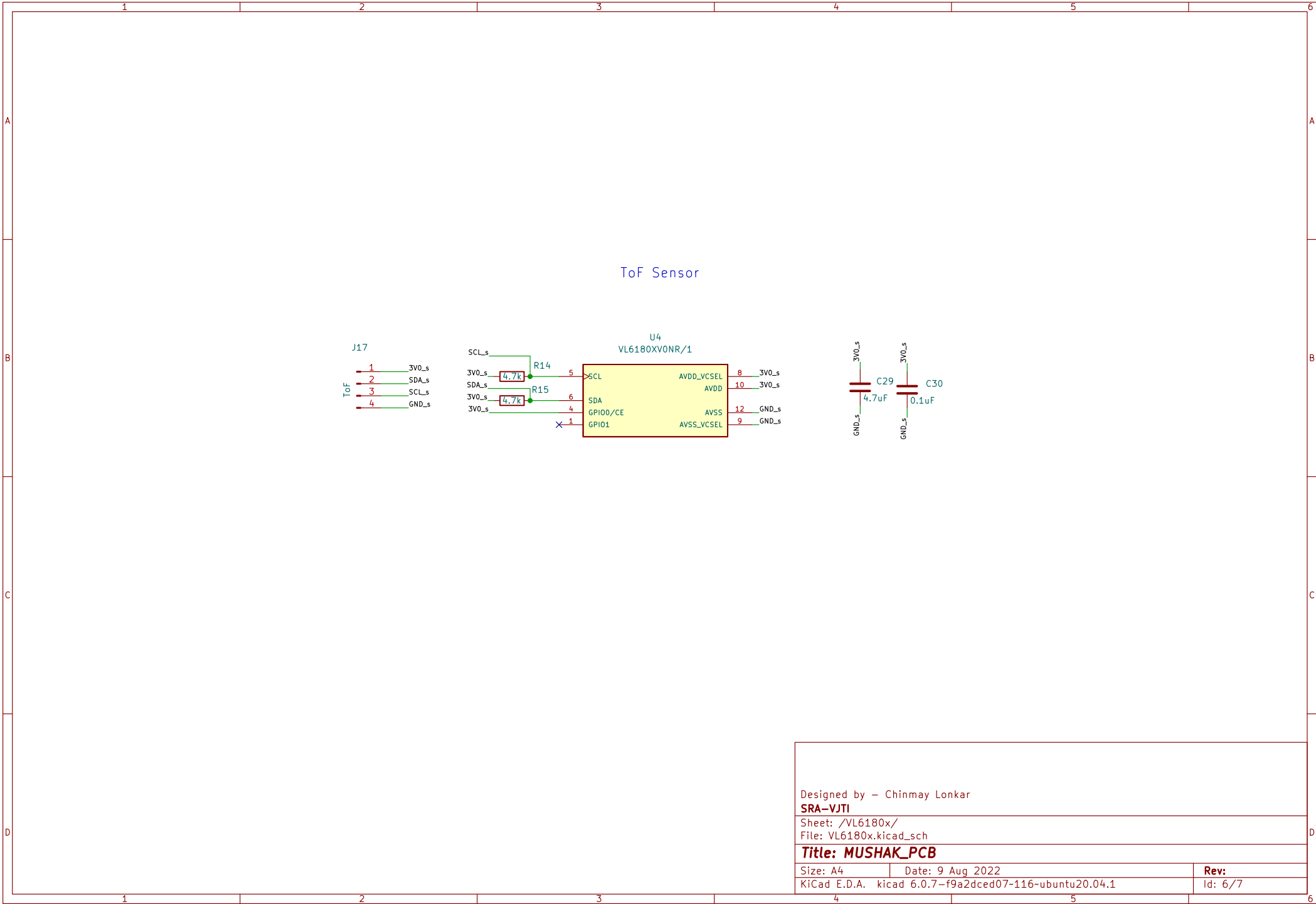
Size: A4

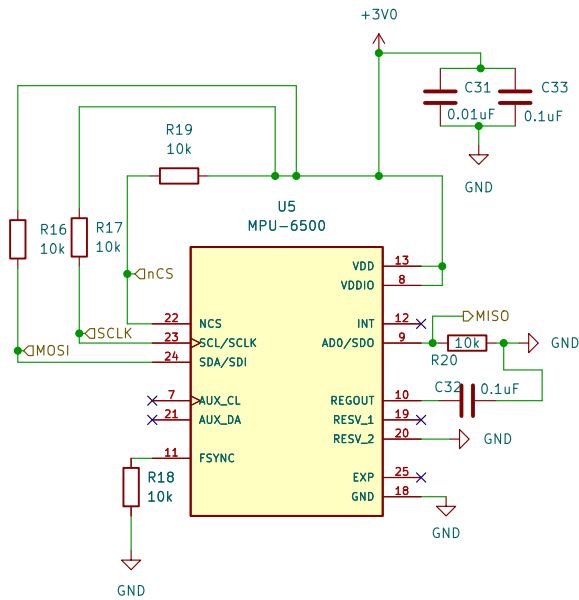
Date: 9 Aug 2022

Rev:

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

KiCad E.D.A. kicad 6.0.7-f9a2dc07-116-ubuntu20.04.1

Rev:

Id: 7/7