

Anawach A.

Sheet: /
File: Mini_drone_PCB.kicad_sch

Title: Main page

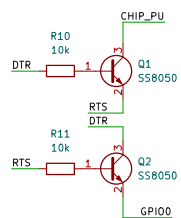
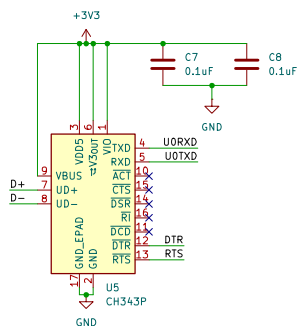
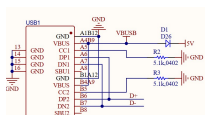
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Rev:

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[illegible]

The diagram shows the ESP32-S3-MINI-1 module connected to a motor driver and a push button. The module is powered by a +3V3 supply. The motor driver is connected to the module's GPIO pins. The push button is connected to the module's SW1 and SW_Push pins. The module's pins are labeled: CHIP_PU, SW1, SW_Push, C13, 0.1uF, GND, +3V3, U0TXD, U0RXD, TXD0, RXD0, EN, GPIO0, Motor1_PWM, Motor2_PWM, Motor4_PWM, ESP_CS, ESP_MOSI, ESP_SCLK, ESP_MISO, ESP_SDA, ESP_SCL, and GND.

Sheet: /MCU/
File: MCU.kicad_sch

Title: Microcontroller Interface

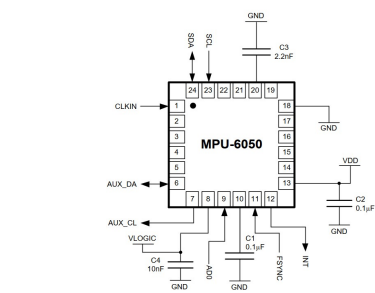
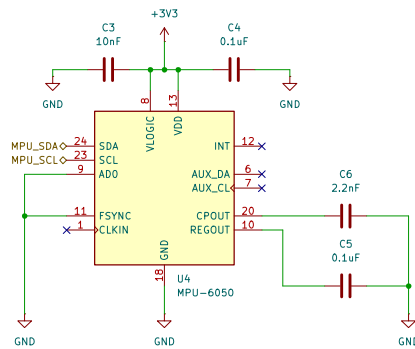
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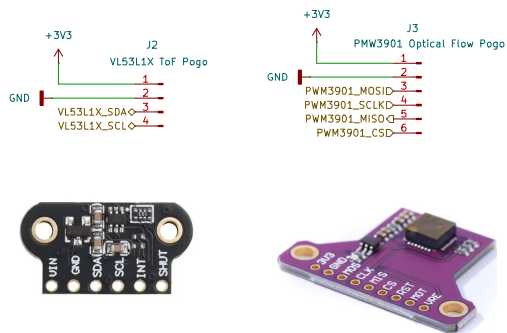
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MPU-6050



11	Y	Y	FSYNC	Frame synchronization digital input. Connect to GND if unused.
12	Y	Y	INT	Interrupt digital output (totem pole or open-drain)

Sensors Module



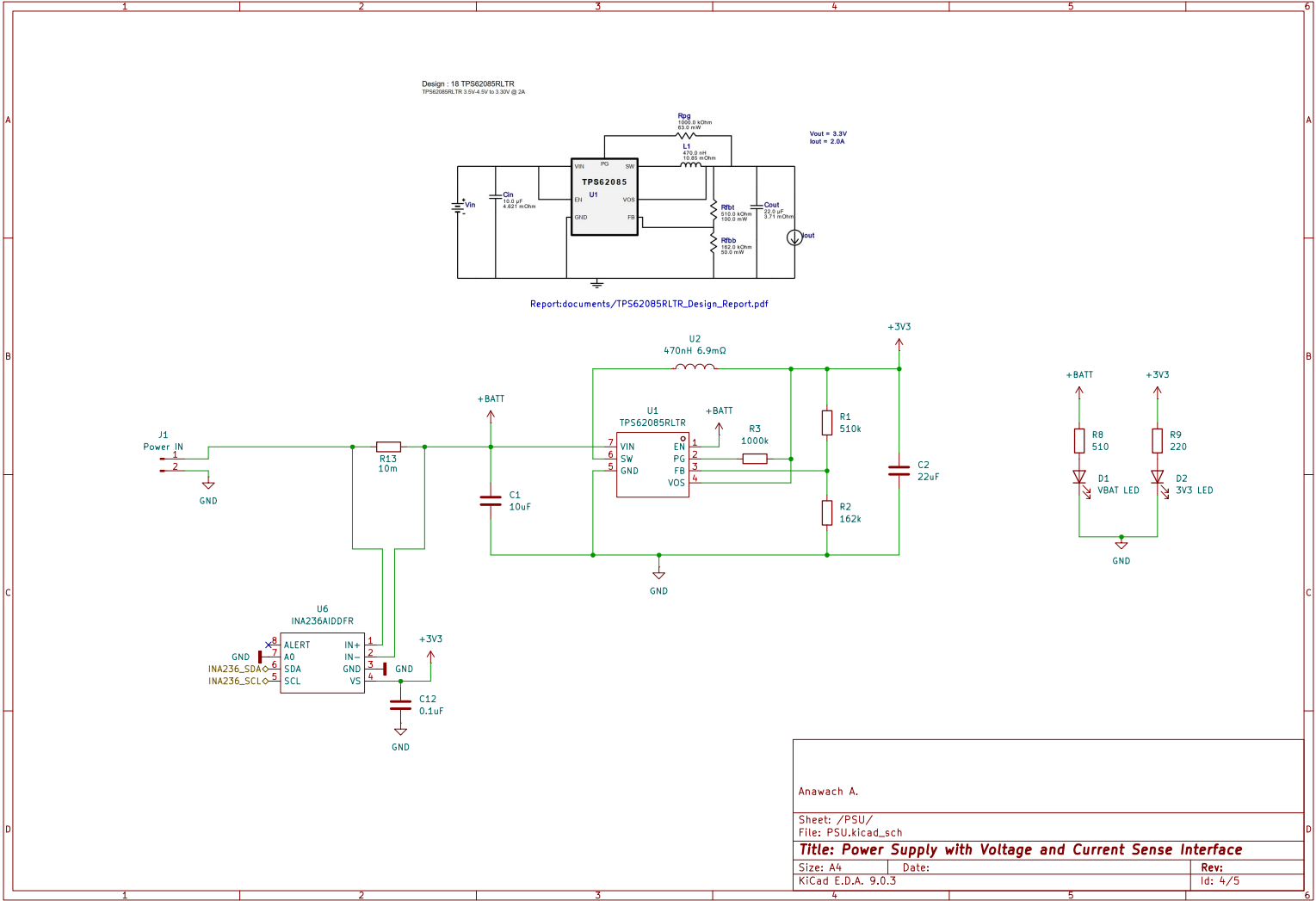
Anawach A.

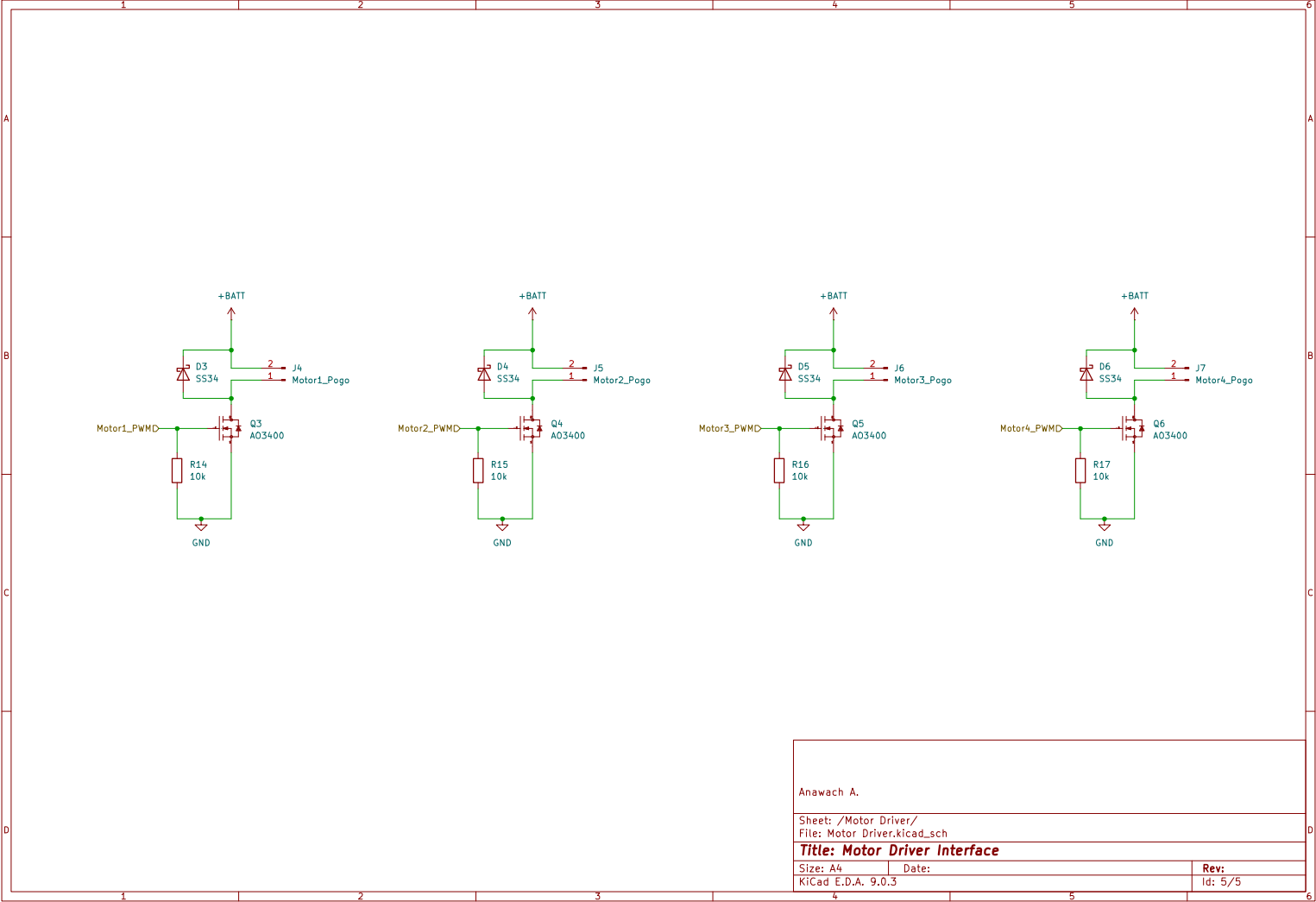
Sheet: /sensor/
File: sensor.kicad_sch

Title: Sensor Interface

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Anawach A.

Sheet: /Motor Driver/
File: Motor Driver.kicad_sch

Title: Motor Driver Interface

Size: A4

Date:

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