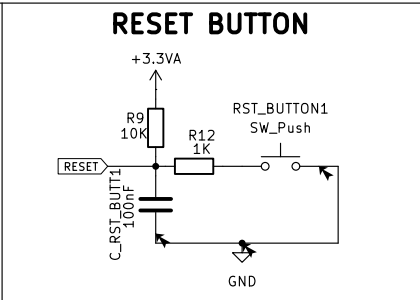
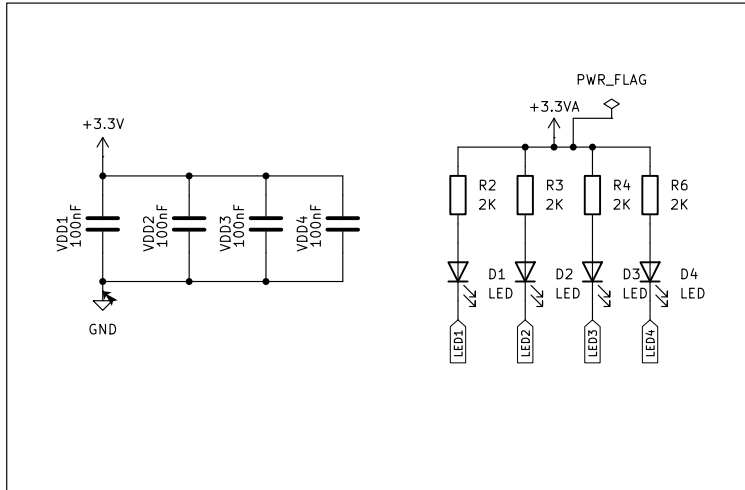


BLOCK DIAGRAM



USER INTERFACES

The image displays two circuit diagrams for user interfaces, each featuring a push-button connected to a 3.3V supply.

Top Circuit (BUTTON1):

- A 3.3V supply is connected to a 10K resistor (R7).
- The other end of R7 is connected to the push-button (BUTTON1).
- The push-button is also connected to a 1K resistor (R10).
- The other end of R10 is connected to the 3.3V supply.
- A 100nF capacitor (C_SEL_BUTTON1) is connected between the push-button and ground (GND).
- The push-button is labeled "SEL_BUTTON1 SW_Push".

Bottom Circuit (BUTTON2):

- A 3.3V supply is connected to a 10K resistor (R8).
- The other end of R8 is connected to the push-button (BUTTON2).
- The push-button is also connected to a 1K resistor (R11).
- The other end of R11 is connected to the 3.3V supply.
- A 100nF capacitor (C_OK_BUTTON1) is connected between the push-button and ground (GND).
- The push-button is labeled "OK_BUTTON1 SW_Push".

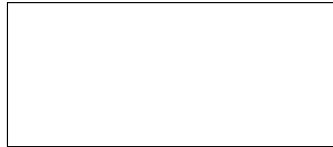
DEBUG

The DEBUG section contains three circuit diagrams:

- SWD1 Conn_01x04:** A 4-pin connector. Pin 1 is connected to +3.3V. Pin 2 is labeled SWDIO. Pin 3 is labeled SWCLK. Pin 4 is connected to GND. A PWR_FLAG pin is also connected to GND.
- BOOT1 Conn_01x03:** A 3-pin connector. Pin 1 is connected to +3.3V through a 47k resistor (R1). Pin 2 is labeled BOOT0. Pin 3 is connected to GND.
- BOOT1 Conn_01x03:** A 3-pin connector. Pin 1 is connected to +3.3V through a 47k resistor (R5). Pin 2 is labeled BOOT1. Pin 3 is connected to GND.



motor_driver



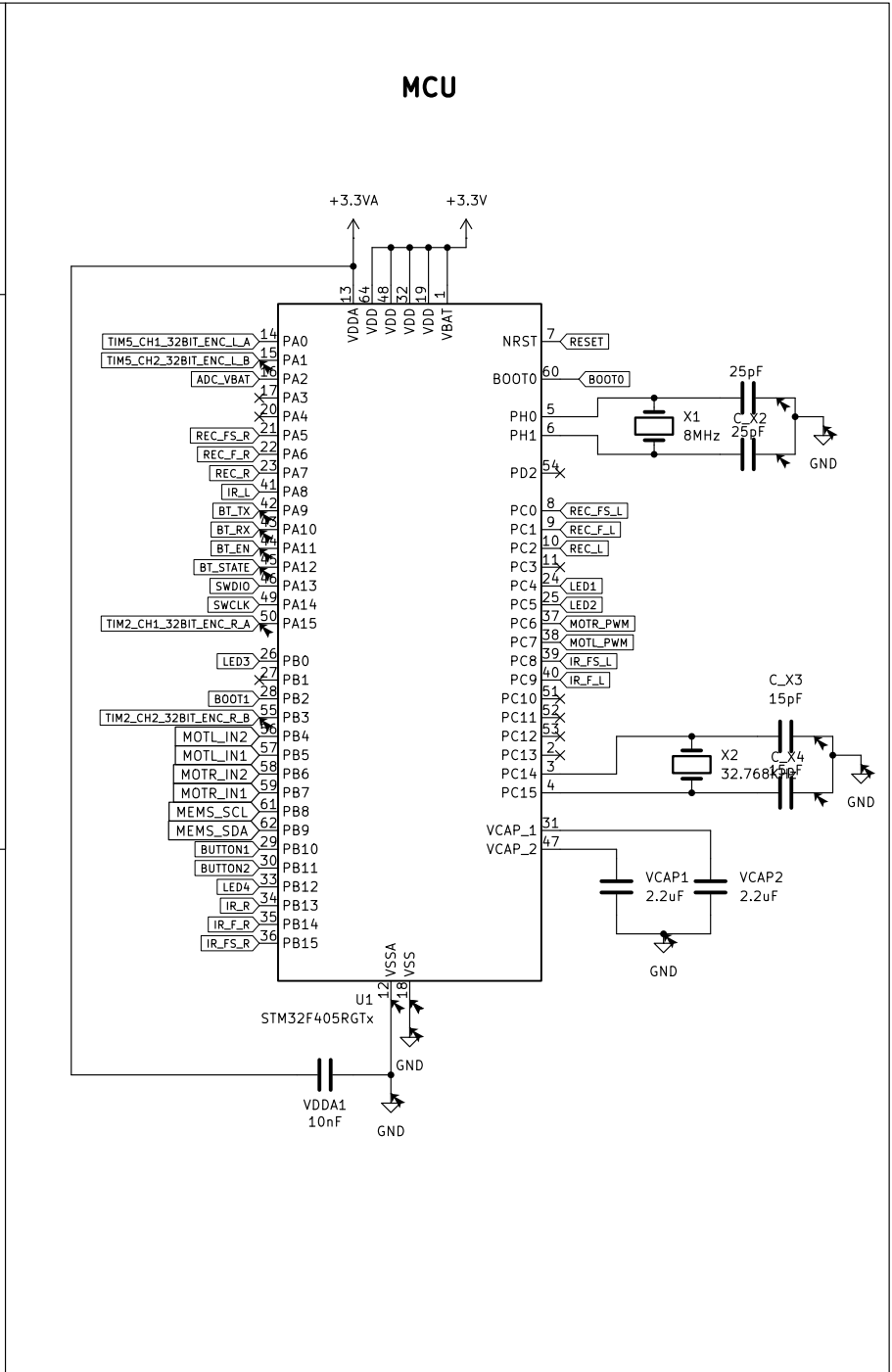
power



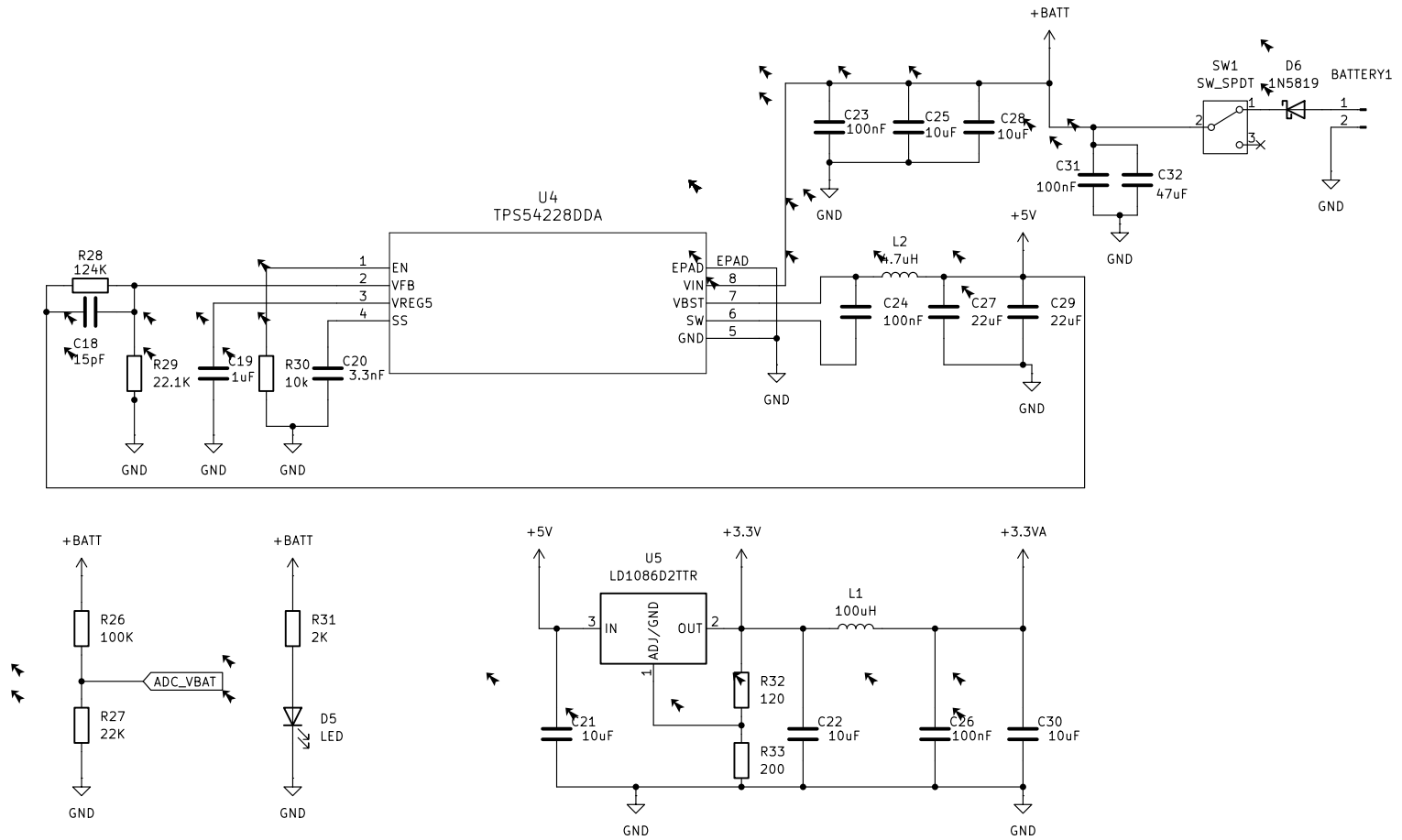
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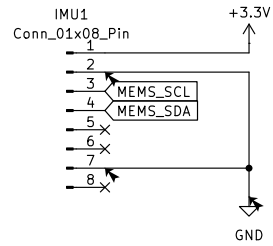
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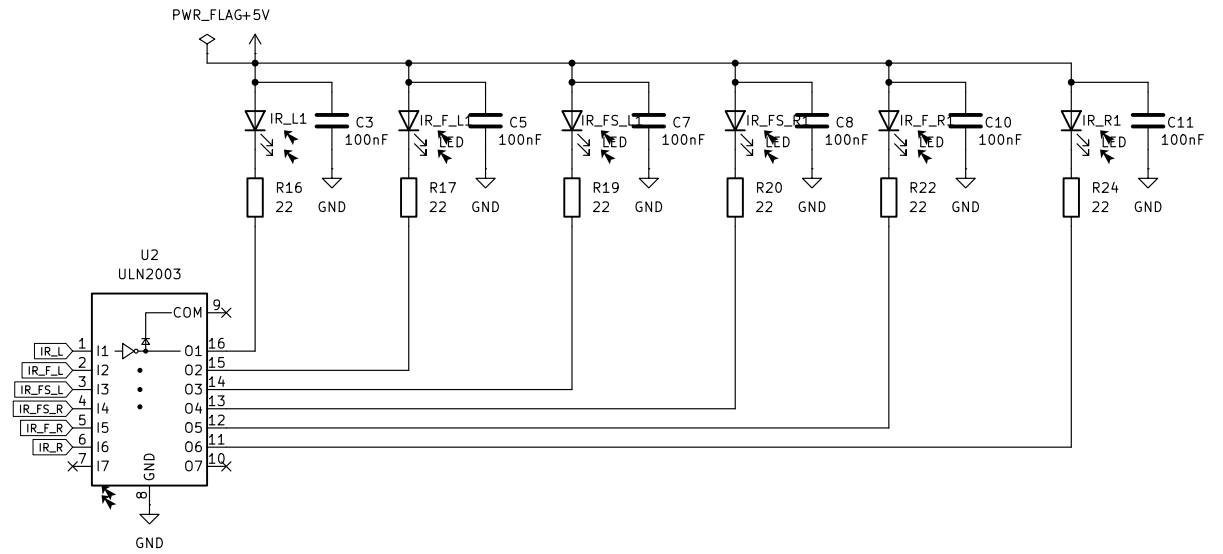
POWER



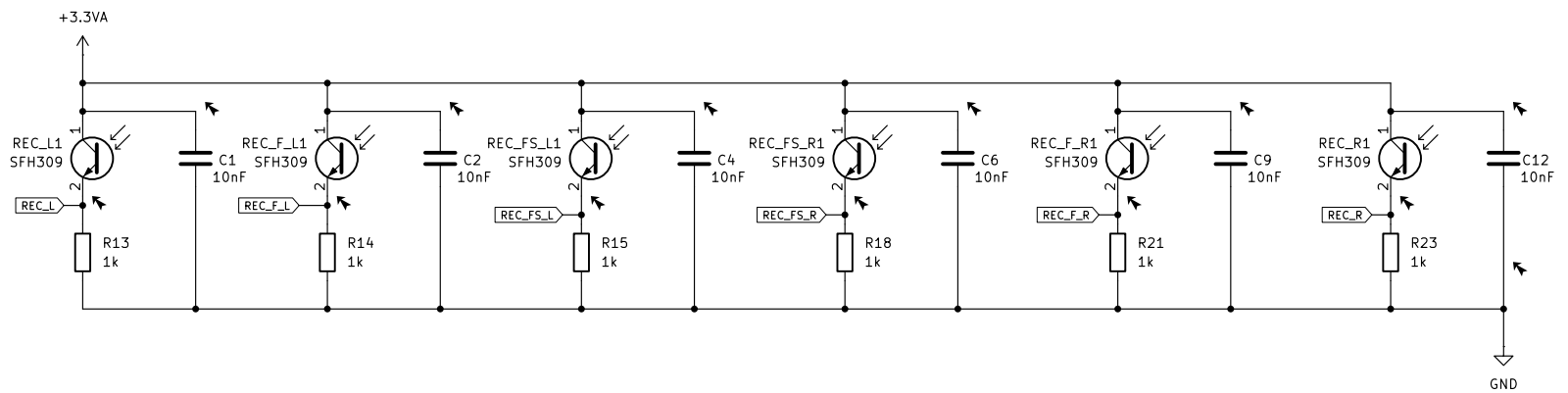
IMU



Emitter



Phototransistor



MOTOR AND DRIVER

