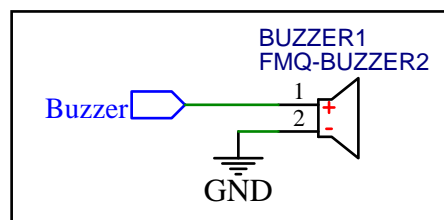
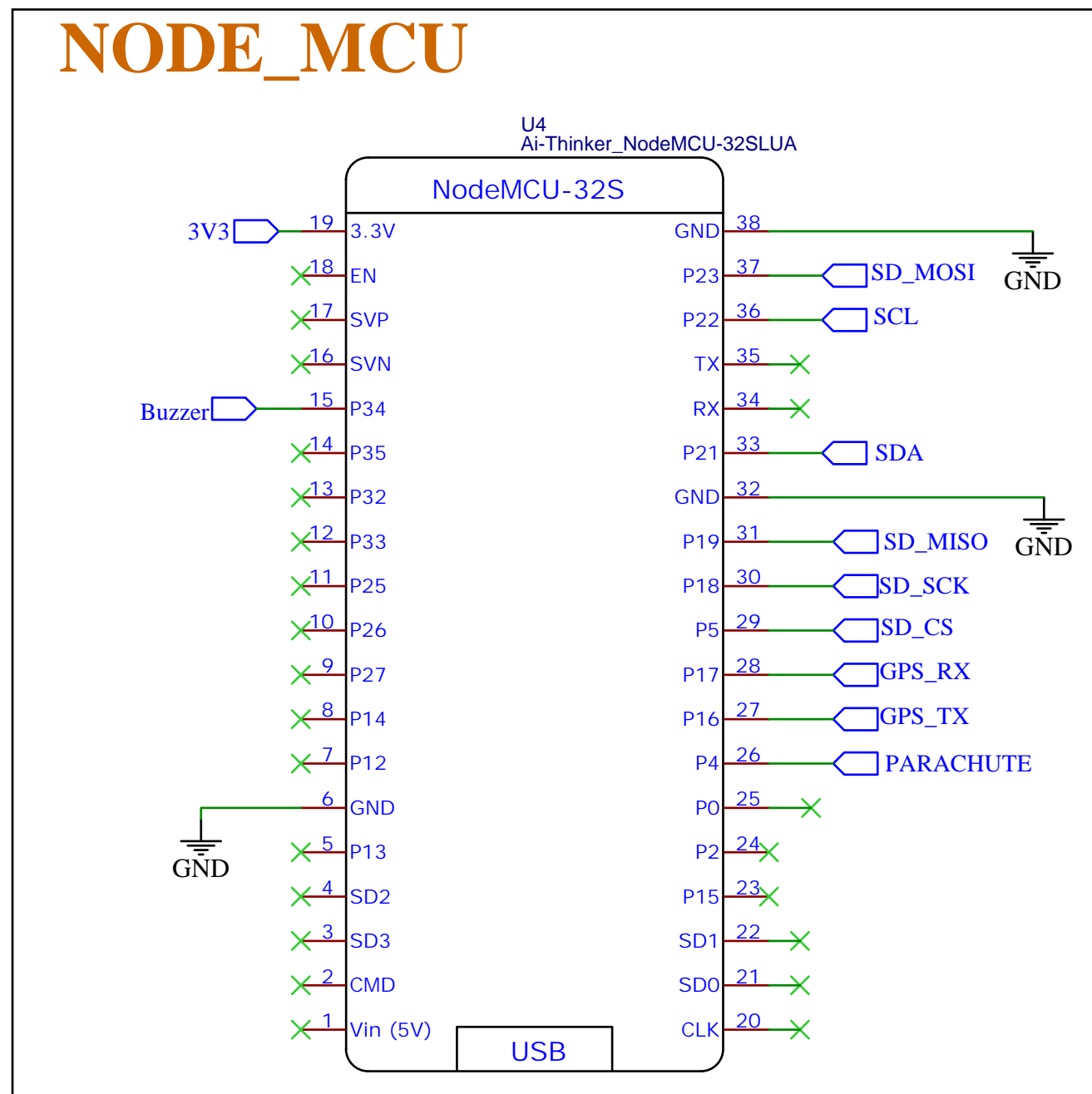
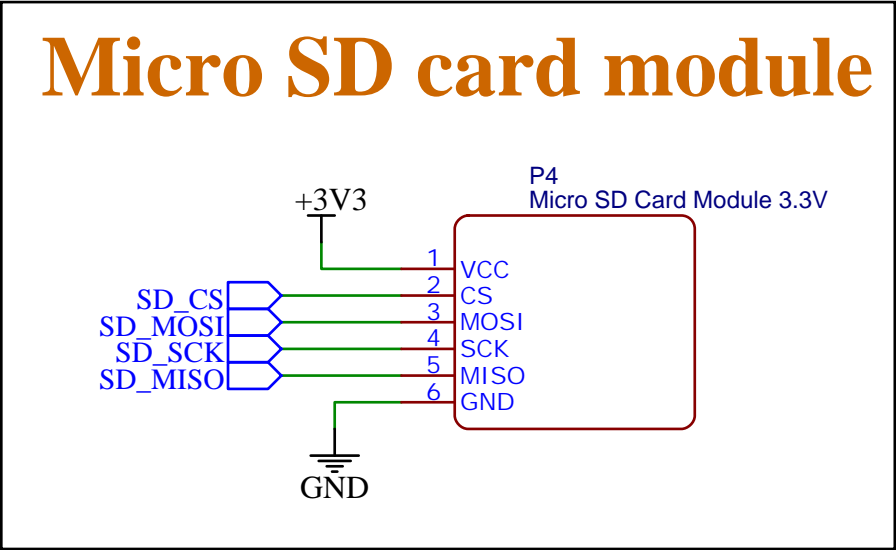
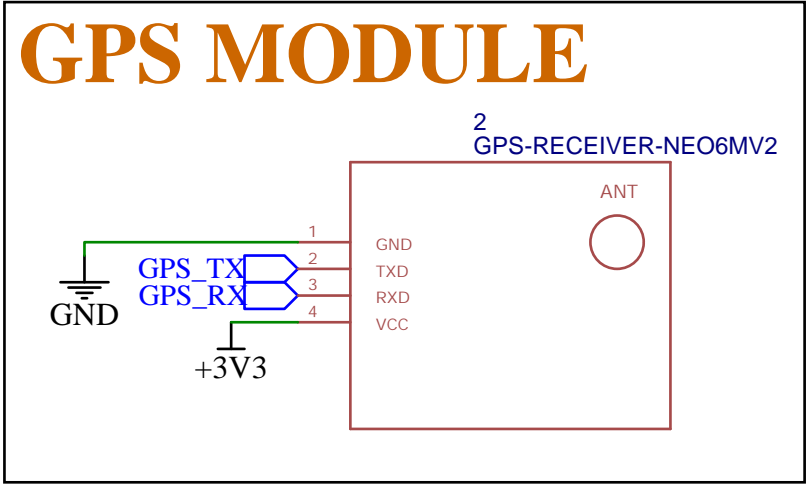
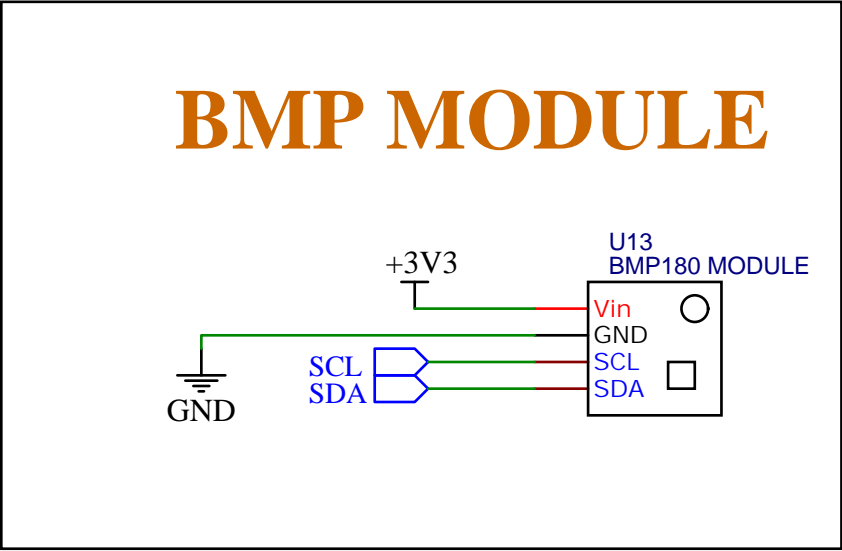
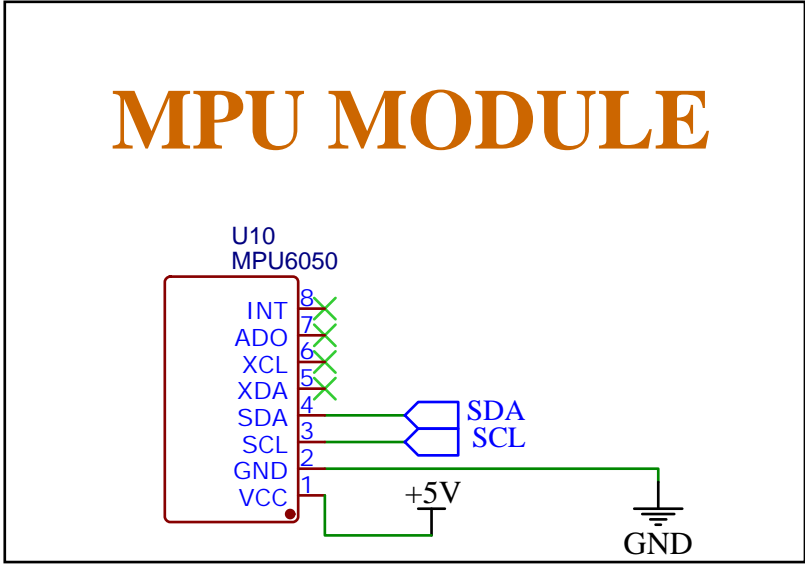


NODEMCU ESP32S

NODE_MCU

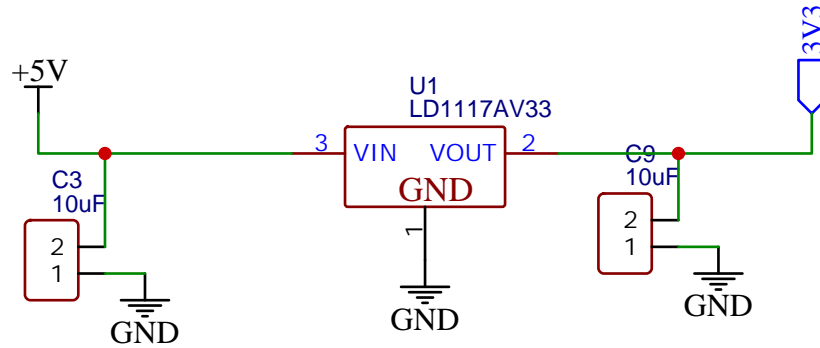


TITLE: NodeMCU		REV: 1.0
	Company: Nakuja Project	Sheet: 1/1
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ESP32 POWER SUPPLY

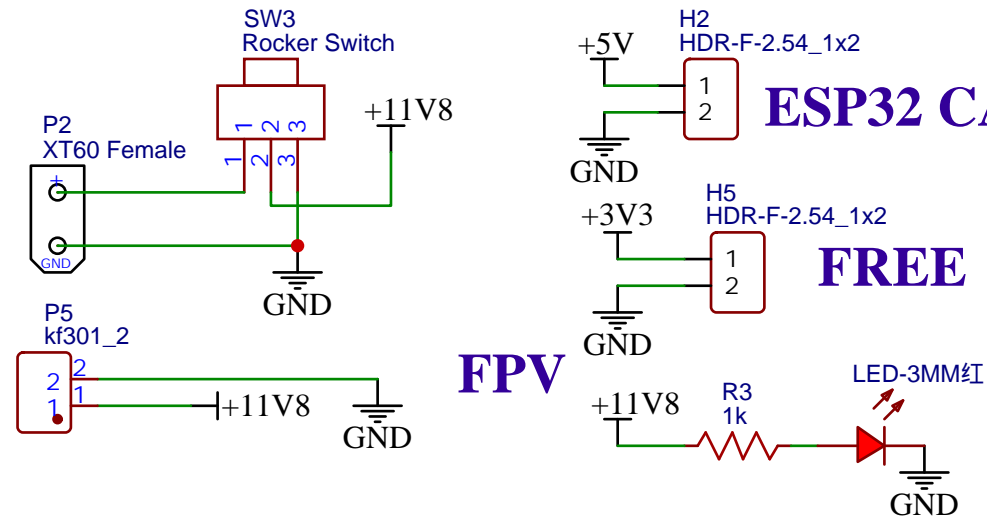
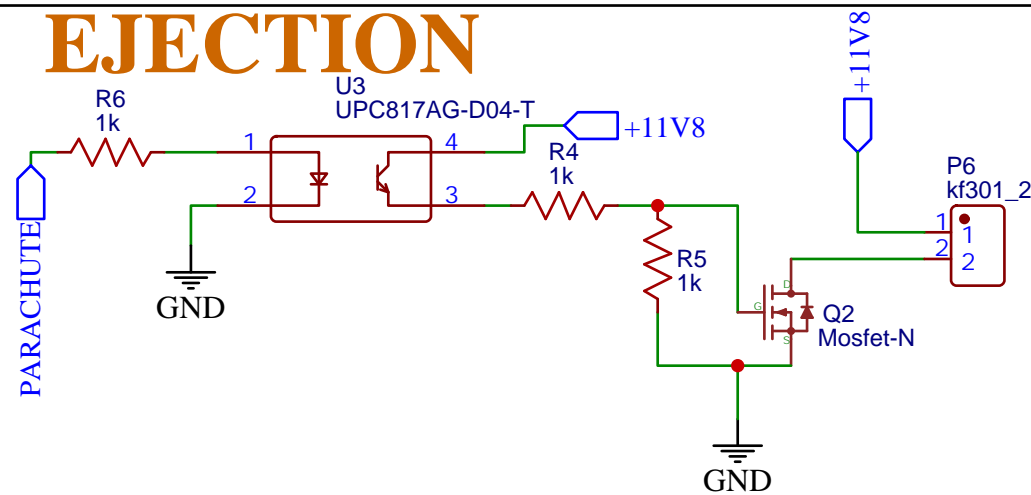
The diagram illustrates the power supply circuit for an ESP32. It features a +5V input connected to the VIN pin of a 3.3V voltage regulator (U1, LD1117AV33). The GND pin of the regulator is connected to the common ground. The VOUT pin of the regulator is connected to the 3.3V output, which is also connected to the 3.3V pin of the ESP32 module. A 10uF capacitor (C9) is connected between the VOUT pin and ground to filter the output. Additionally, a 10uF capacitor (C3) is connected between the +5V input and ground to filter the input.



CONNECTORS

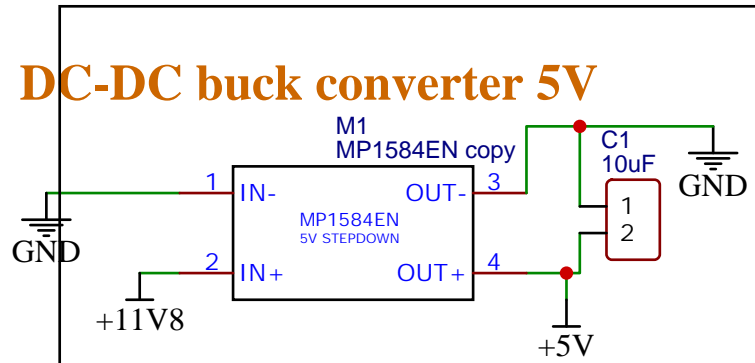
The image displays four distinct electronic circuit diagrams, each featuring a component with a red rectangular callout box highlighting its pin configuration:

- SW3 Rocker Switch:** A switch with three pins. Pin 1 is connected to a +11V8 source. Pin 2 is connected to a P2 XT60 Female connector. Pin 3 is connected to GND.
- ESP32 CAM:** A module with two pins. Pin 1 is connected to a +5V source. Pin 2 is connected to GND.
- FPV:** A module with two pins. Pin 1 is connected to a +11V8 source. Pin 2 is connected to GND.
- LED-3MM红:** A red LED with two pins. Pin 1 is connected to a +11V8 source through a 1k resistor (R3). Pin 2 is connected to GND.

[illegible]

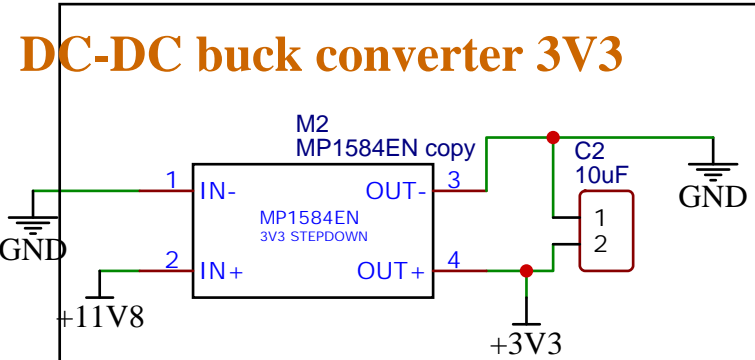
DC-DC buck converter 5V


The diagram illustrates a DC-DC buck converter circuit. The input voltage is +11V8, connected to the IN- pin (pin 1) of the MP1584EN 5V STEPDOWN regulator. The input ground is connected to the IN+ pin (pin 2). The output of the regulator is connected to the OUT+ pin (pin 4), which provides the +5V output. The OUT- pin (pin 3) is connected to a 10uF capacitor (C1) and then to ground. The capacitor is labeled with '1' at the top and '2' at the bottom.



DC-DC buck converter 3V3

The diagram shows a buck converter circuit. The input voltage is +11V8, connected to the IN- pin (pin 1). The IN+ pin (pin 2) is connected to GND. The output voltage is +3V3, connected to the OUT+ pin (pin 4). The OUT- pin (pin 3) is connected to GND. A 10uF capacitor (C2) is connected between pins 3 and 4. The IC is labeled M2 MP1584EN copy and MP1584EN 3V3 STEPDOWN.



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	Company: Nakuja Project	Sheet: 1/1
	Date: 2022-07-04 Drawn By: Muchirilan	