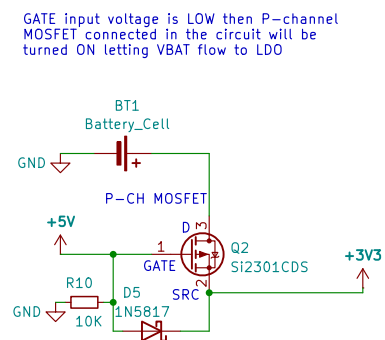
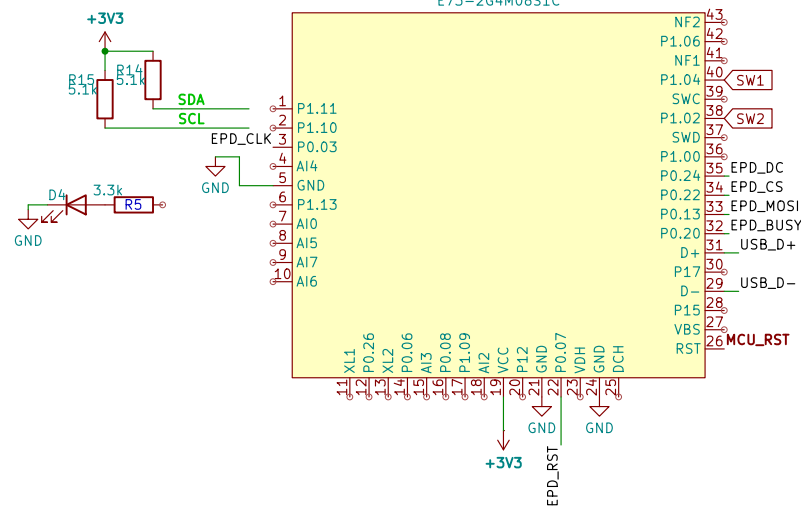
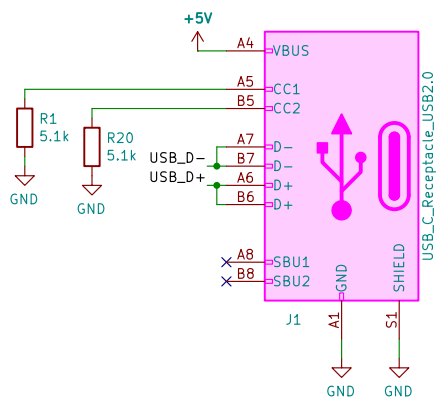
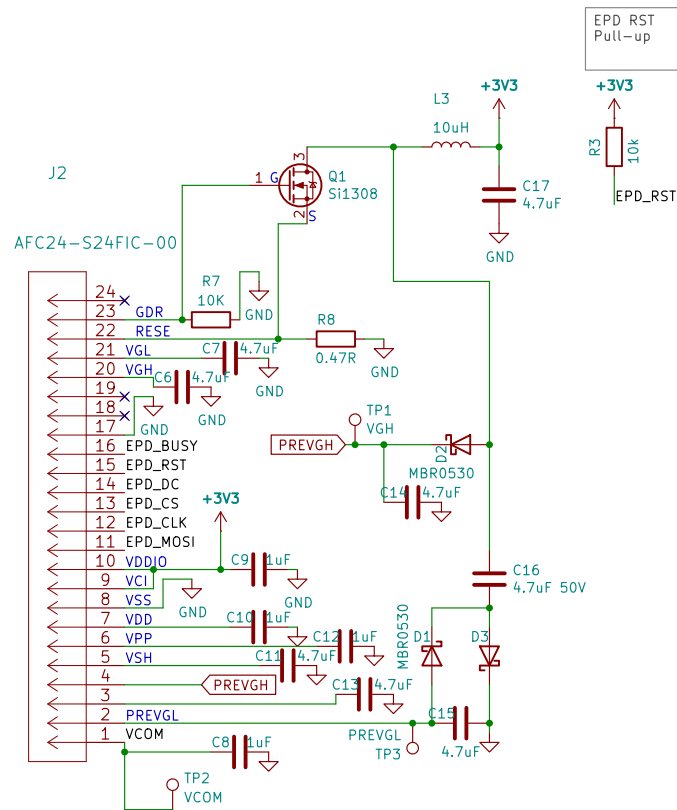


GATE input voltage is LOW then P-channel MOSFET connected in the circuit will be turned ON letting VBAT flow to LDO

The diagram shows a P-channel MOSFET (Q2, SI2301CDS) used as a switch. The drain (D) is connected to a battery (BT1 Battery_Cell). The gate (G) is connected to a +5V supply through a 10K resistor (R10). The source (S) is connected to a +3V3 supply. A diode (D5, 1N5817) is connected in parallel with the MOSFET, with its cathode to the drain and anode to the source. The MOSFET symbol is circled in red.

[illegible]

The schematic diagram illustrates the USB_C_Replacement module. The module is a pink rectangle with a USB symbol and a shield symbol. It has several pins: A4 (VBUS) connected to +5V; A5 (CC1) and B5 (CC2) connected to a common point; A7 (D-), B7 (D-), A6 (D+), and B6 (D+) connected to USB_D- and USB_D+ respectively; A8 (SBU1) and B8 (SBU2) marked with an 'X' and not connected; A1 connected to GND; and S1 connected to GND. Two resistors, R1 (5.1k) and R20 (5.1k), are connected between the common point of A5/B5 and GND.

[illegible]

The three diagrams illustrate different wiring configurations for a 10k resistor and a switch:

- Top Diagram (SW3):** A 3V3 supply is connected to pin 2 of a 5-pin connector. Pin 1 is connected to GND. Pin 3 is connected to the MCU_RST signal. A 10k resistor (R21) is connected between pin 2 and pin 3. A switch (SW3) is connected between pin 1 and pin 2.
- Bottom Left Diagram (SW2):** A 3V3 supply is connected to pin 2 of a 5-pin connector. Pin 1 is connected to GND. Pin 3 is connected to the MCU_RST signal. A 10k resistor (R2) is connected between pin 2 and pin 3. A switch (SW2) is connected between pin 1 and pin 2.
- Bottom Right Diagram (SW1):** A 3V3 supply is connected to pin 2 of a 5-pin connector. Pin 1 is connected to GND. Pin 3 is connected to the MCU_RST signal. A 10k resistor (R4) is connected between pin 2 and pin 3. A switch (SW1) is connected between pin 1 and pin 2.

