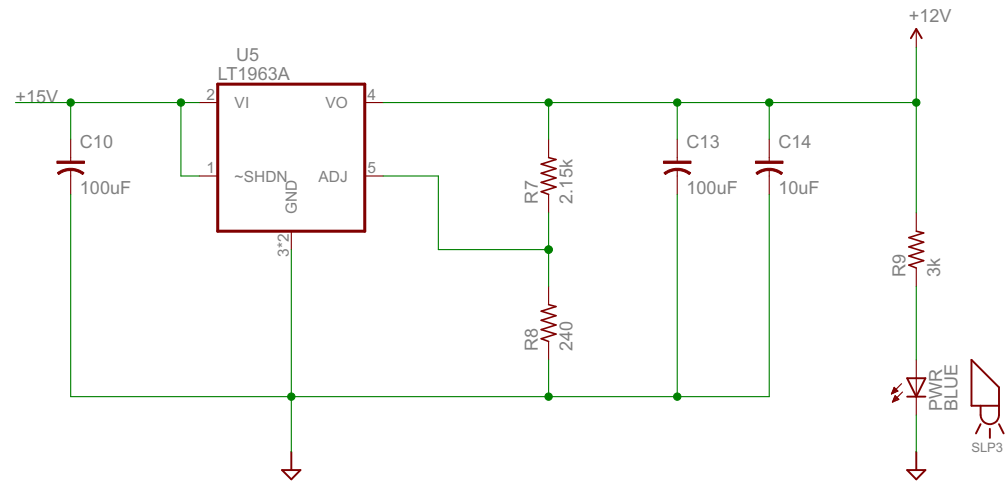
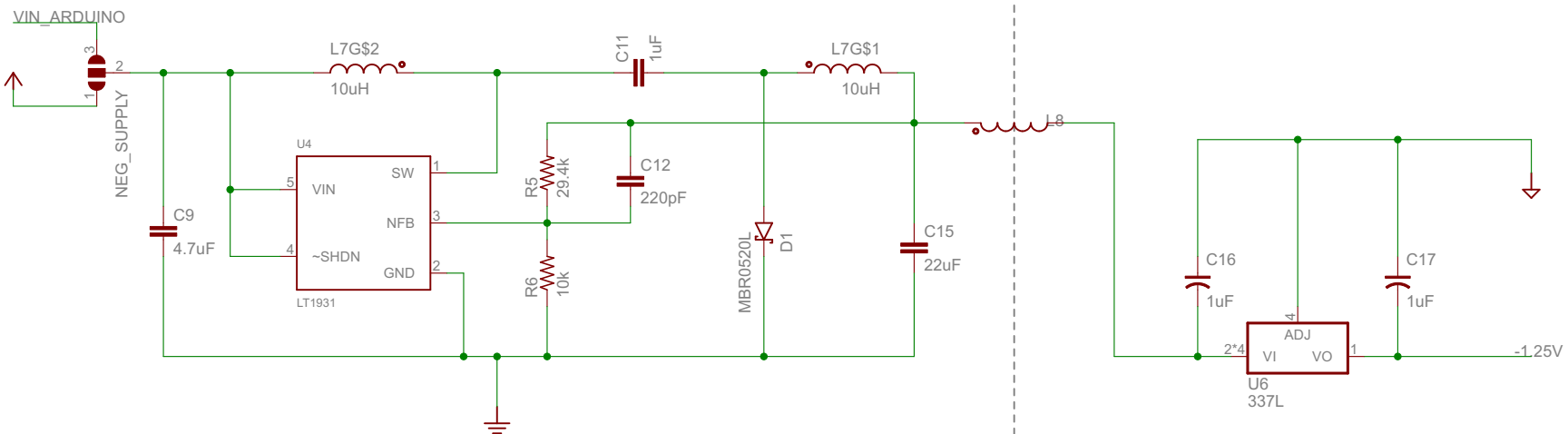


Pos. Regulation



Neg. Regulation



Overcurrent warning

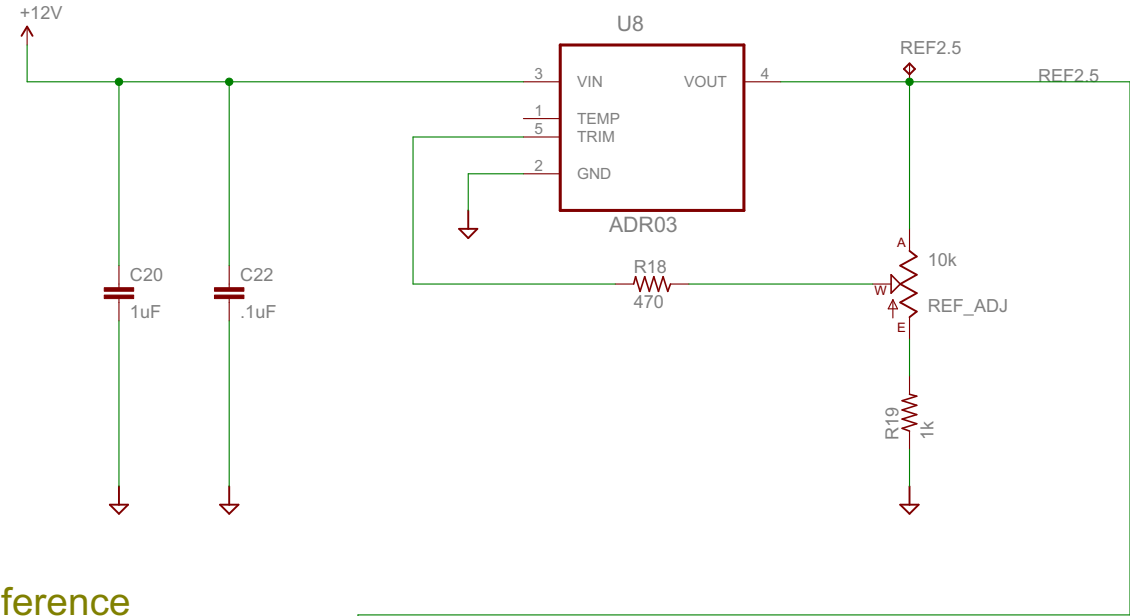
The diagram illustrates an overcurrent warning circuit. It features a TLV3701 comparator (U7) with the following connections:

- VCC (Pin 5):** Connected to +12V through a 10k resistor (R10) and a 0.1uF capacitor (C18).
- IN+ (Pin 3):** Connected to +12V through a 10k resistor (R12) and a 0.1uF capacitor (C19).
- IN- (Pin 4):** Connected to the output of the first op-amp stage through a 110k resistor (R11).
- GND (Pin 2):** Connected to ground through a 10k resistor (R12).
- OUT (Pin 1):** Connected to the base of a BC817 transistor (Q1) through a 10k resistor (R13).

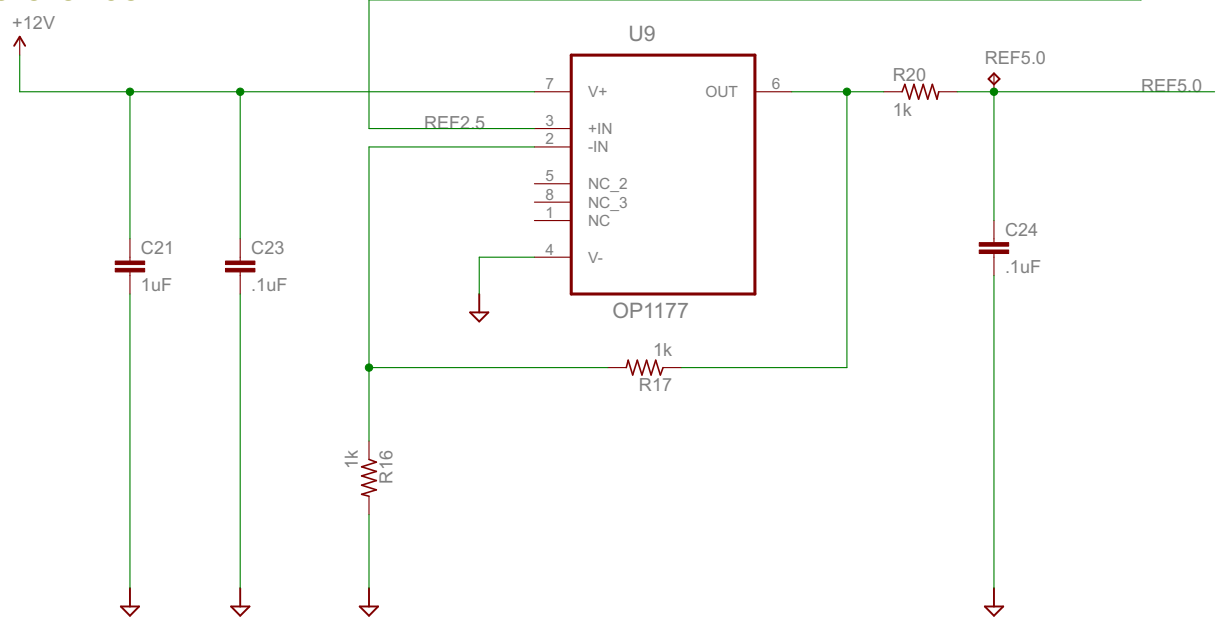
The output of the transistor (Q1) is connected to the OC (Overcurrent) pin of the second op-amp stage. The OC pin is also connected to +12V through a 1k resistor (R14) and to ground through a red LED (OC RED). The COMP (Comparator Output) pin is connected to +12V through a 470 resistor (R15) and to ground through a red LED (COMP RED).

Sheet: 3/5

2.5 Volt Reference



5 Volt Reference



Drivetrain

