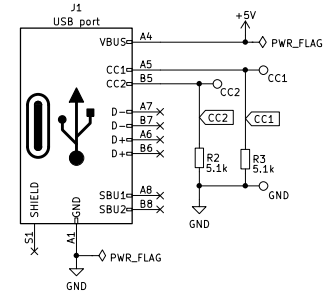
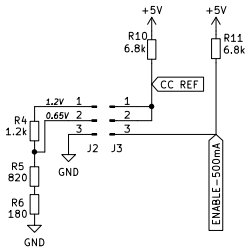
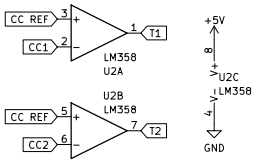
USB Socket



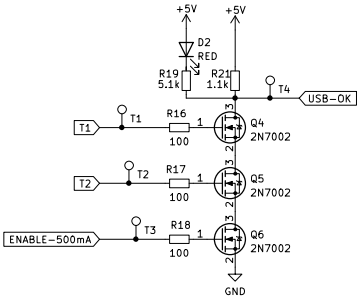
Power selector



Input power comparator



Output enabler



1

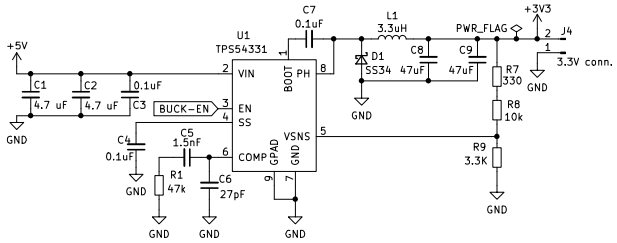
2 Requiring from USB:
3 A, close jumper 1
1.5A, close jumper 2
500 mA, close jumper 3

3 T1 or T2 are GND if USB CC satisfy, requested current.

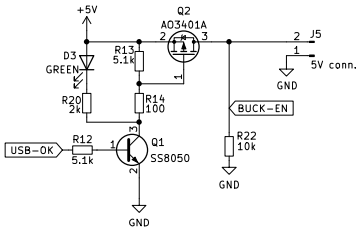
4 If T1 is GND or T2 is GND, or ENABLE-500mA is GND, USB-OK is 5V

If USB can provide current requested. USB-OK is 5V

3.3V gate



5V gate



5 If USB-OK is HIGH, makes 5V available on the 5V output pin and BUCK_EN HIGH

6 If BUCK-EN is HIGH, stepdown converter is enabled and 3.3V are available on the output pin