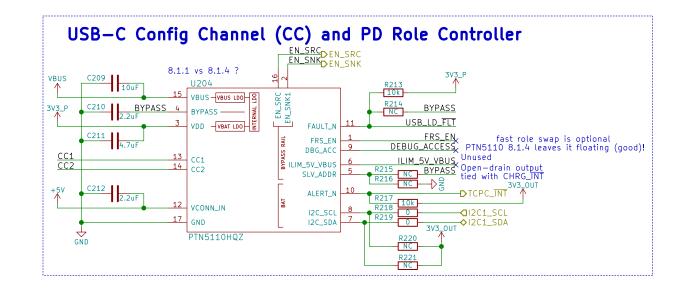
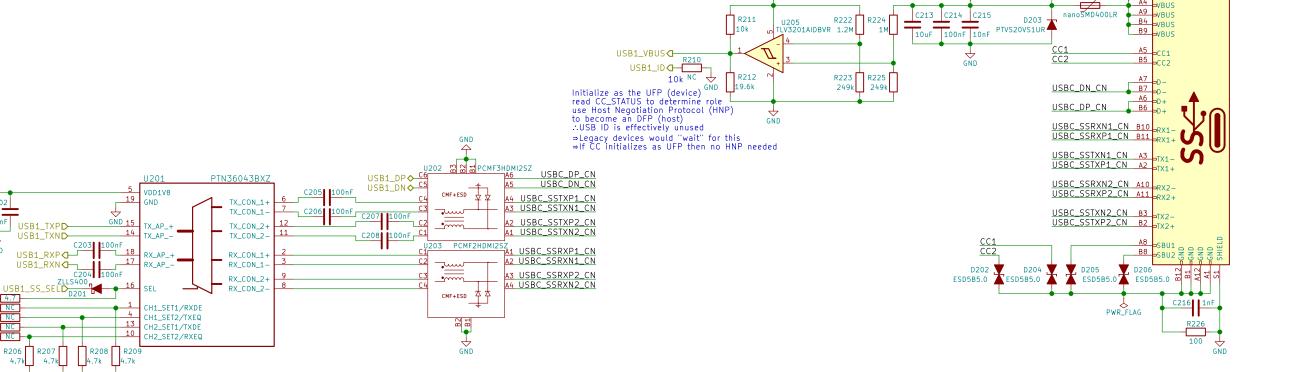


"Under dead battery operation, PTN5110 applies voltage clamps to both CC pins so that the system may receive power as a Sink. To support platforms with buck—boost configuration, PTN5110 asserts EN\_SNK1 pin based on validity of VBUS voltage (facilitates 5 V VBUS sinking)."



 $USB1_VBUS=+5V$  when VBUS>4.31V

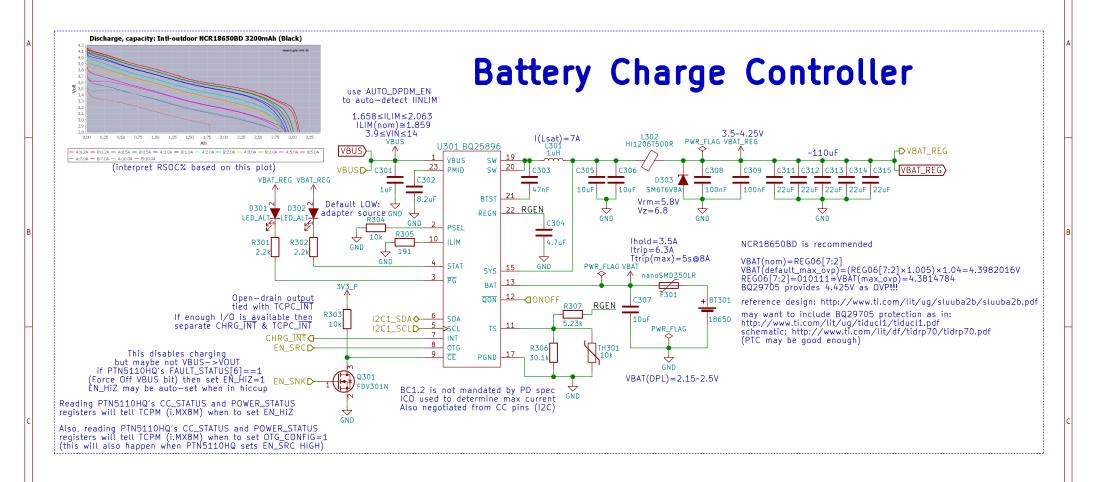


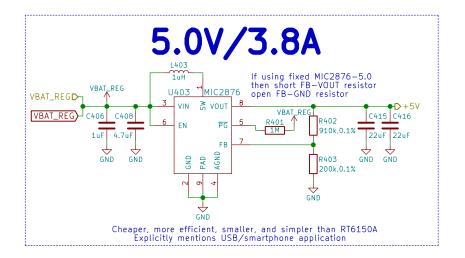
GNU GPLv3			
Copyright 2018 Purism SPC			
Sheet: /USB-C/ File: usb-c.sch			
Title: USB Ty	rpe C		
Size: A3	Date: 2018-05-02	Rev: v0.1.0	
KiCad E.D.A. kic	ad 4.0.7	ld: 2/18	
	7		

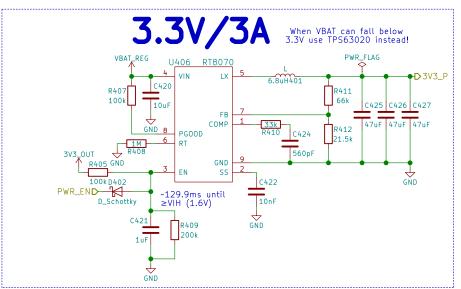
**VBUS** ◆ **D VBUS** 

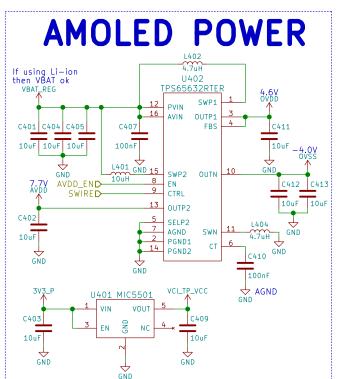
Ihold=4A Itrip=8A PWR\_FLAG F201\_ →

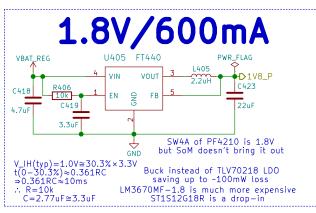
J201 USB\_C\_Receptacle

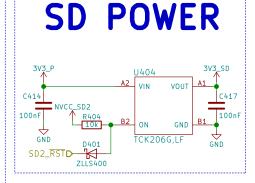












TODO: add parallel 0.1uF bulk caps! & spread all over the power plane

GNU GPLv3		
Copyright 2018		
Purism SPC		
Sheet: /Power/	/	
File: power.sch		
Title: Power		
Size: A4	Date: 2018-05-02	Rev: v0.1.0
KiCad E.D.A. kicad 4.0.7		ld: 4/18

