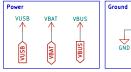


\*When VUSB is present, battery is not conneced to the system. Battery gets charged via charging circuit when VUSB is supplied. VUSB also supplies power to the rest of the system but 6V boost converter is disabled by MCU to prevent excessive current draw from USB post.

\*If VUSB is not present p-channel mosfet gets turned on and battery powers the entire system.

\*P-Channel Mosfet also acts as a reverse voltage protection for the battery.



GND

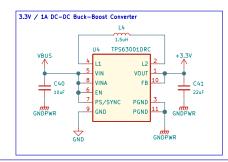


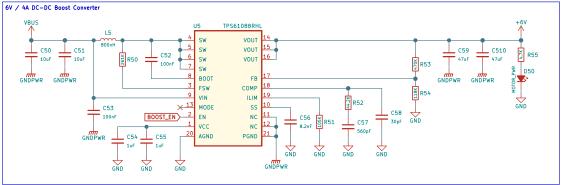
## **Battery Charging Circuit**

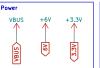
Drawn						
Battery	/ ch	arging	circuit	with	revers	e voltage

protection. Date: 2020-10-20 Rev: 1 File: Battery.kicad\_sch KiCad E.D.A

Sheet: 3/8 License: CC Attribution-ShareAlike 4.0 International









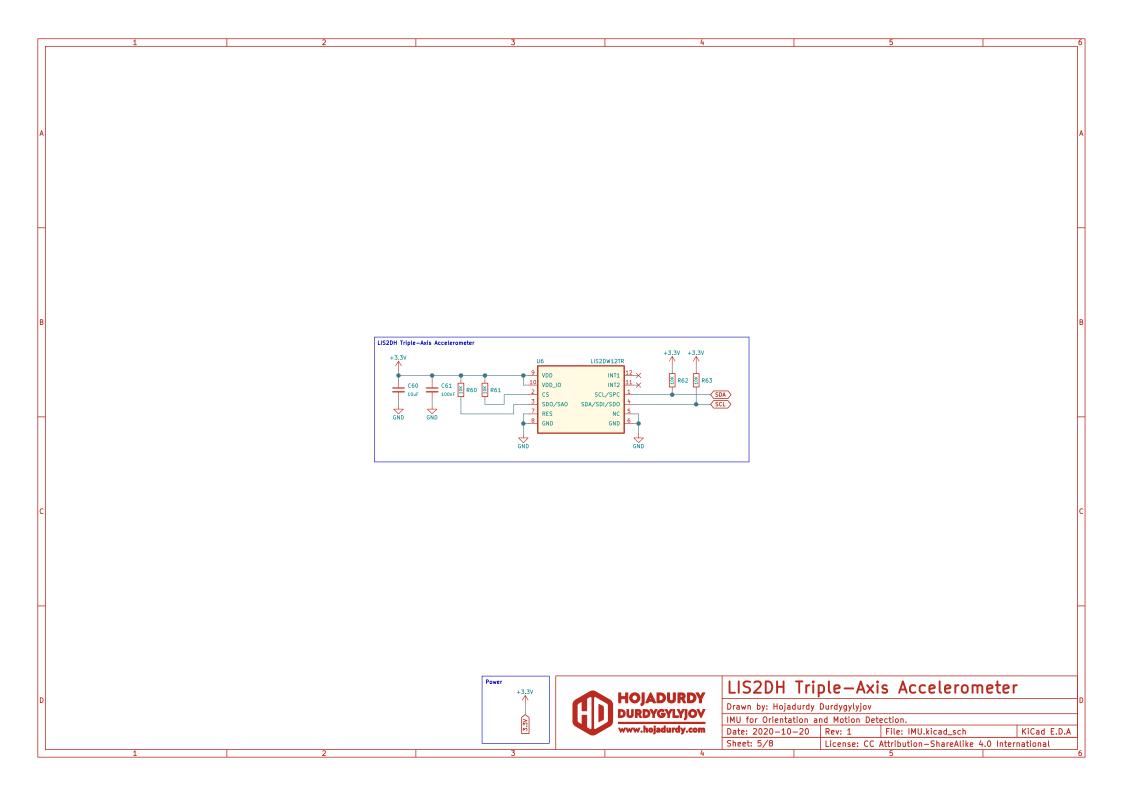


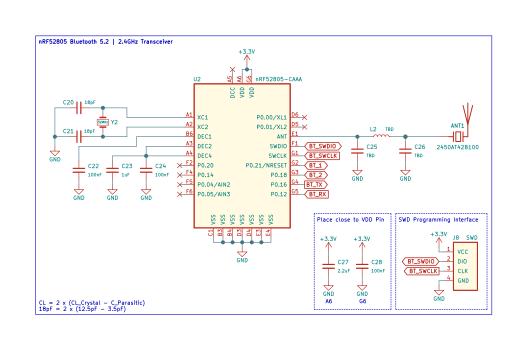
## Power Supply

Drawn	by:	Hojadurdy	Durdygylyjov

DC-DC Converters for			
Date: 2020-10-20	Rev: 1	File: PowerSupply.kicad_sch	KiCad E.D.A

Sheet: 4/8 License: CC Attribution—ShareAlike 4.0 International



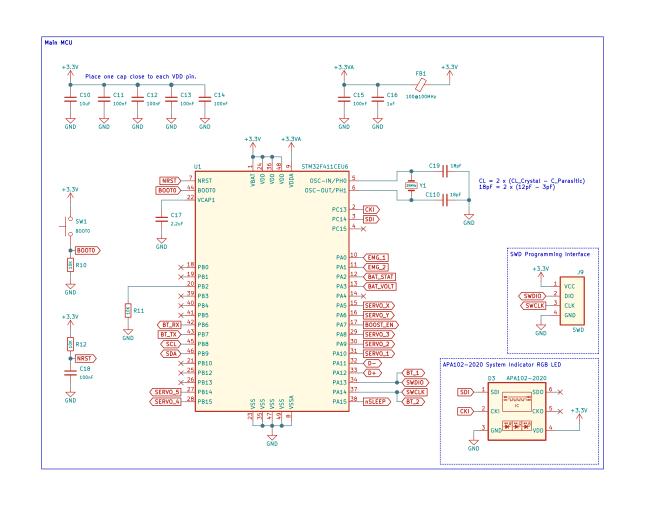






## nRF52805 Bluetooth 5.2 SoC

Drawn by: Hojadurdy Durdygylyjov				
nRF52805 Bluetooth	Bluetooth 5.2   2.4GHz Transceiver			
Date: 2020-10-20	Rev: 1	File: Bluetooth.kicad_sch	KiCad E.D.A	
Sheet: 6/8	Attribution—ShareAlike 4.0 Inter	national		





## Main Controller MCU

	Drawn by: Hojadurdy Durdygylyjov					
	STM32F411CE co	ontrol	s the entire s	ystem		
	Date: 2020-10-	-20	Rev: 1	File: MCU.kicad_sch		KiCad E.D.A
Sheet: 7/8 License: CC Attribution-ShareAlike 4.0 I				+.0 Inter	national	

