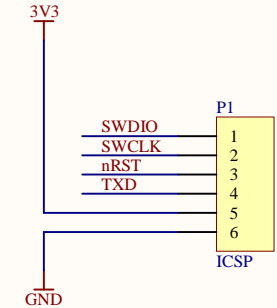
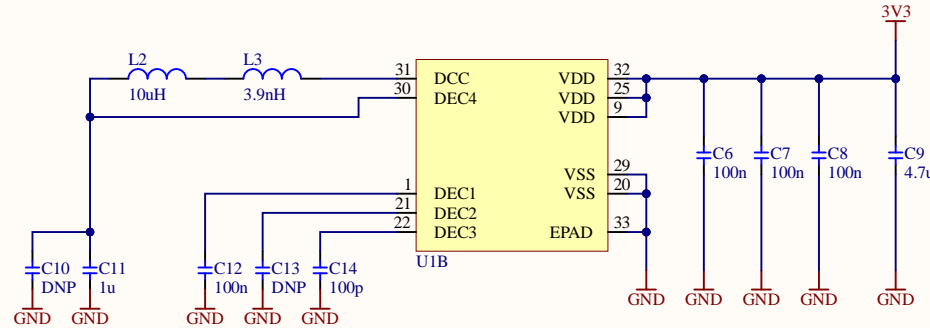
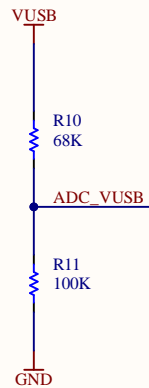


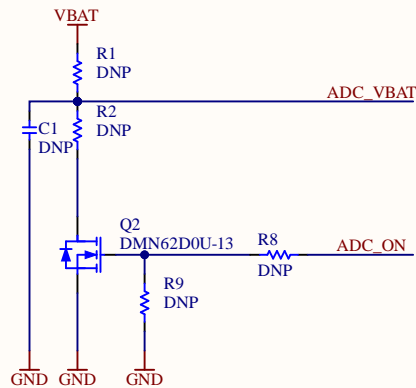
L1, L5 and C30 are antenna tuning components.
Antenna trace should be routed to have 50 Ohm impedance.



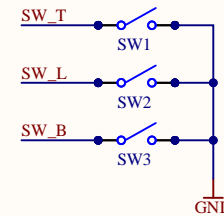
Programming and serial debug



We can use ADC_VUSB to detect when charger is connected



We can measure the battery voltage using nRF's ADC.
Keep in mind that voltage-based fuel gauges are very inaccurate.

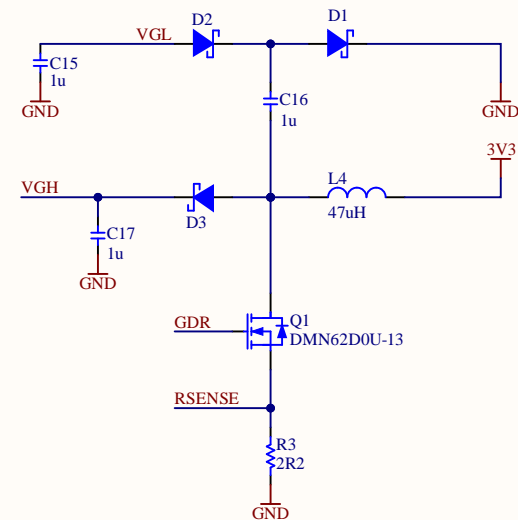
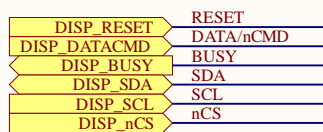
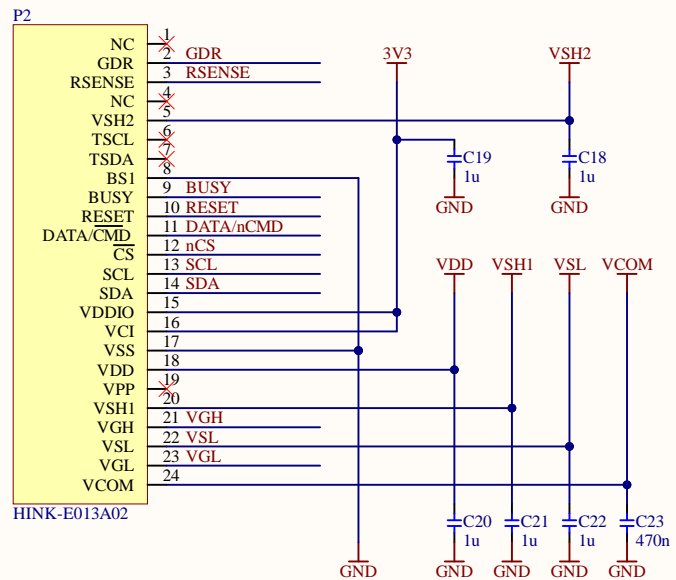


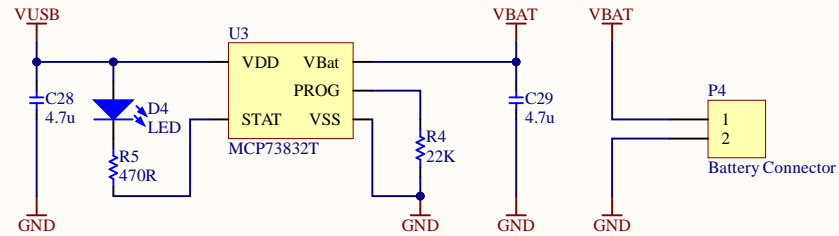
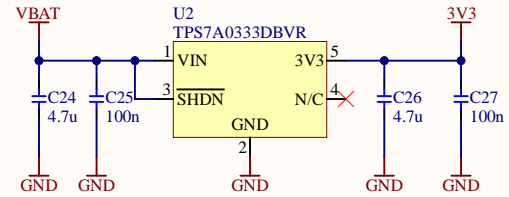
Left, Right and Middle push buttons



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Datasheet 5.1.2 CURRENT REGULATION SET
 Charging current is calculated as $I = 1000V / R4$
 I is in milliamps
 R4 is in kilo-ohms
 For R4=22K -> I=45mA

