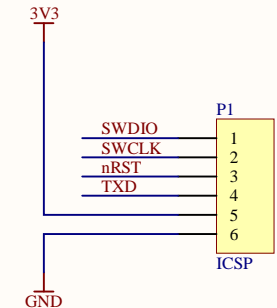
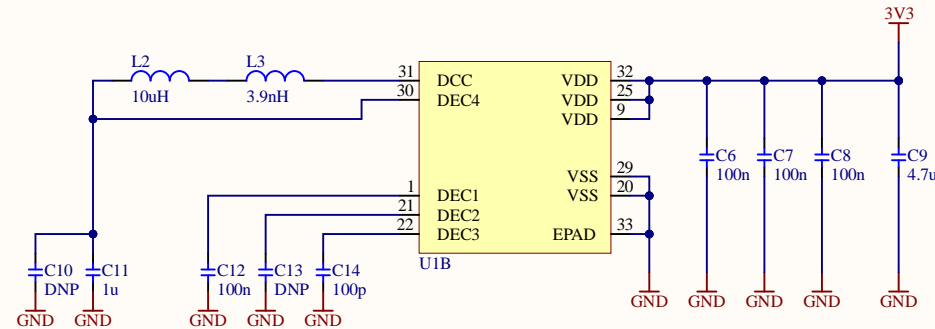
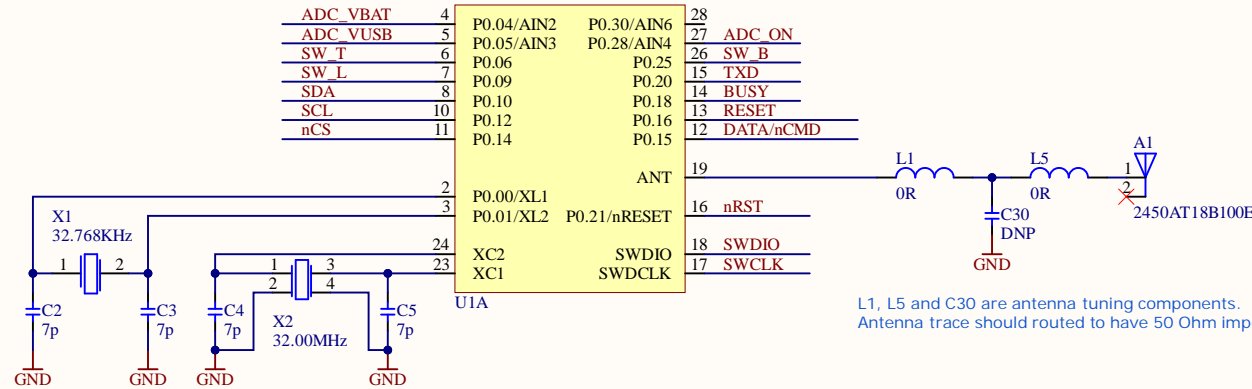
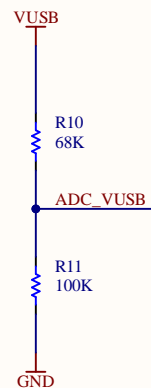


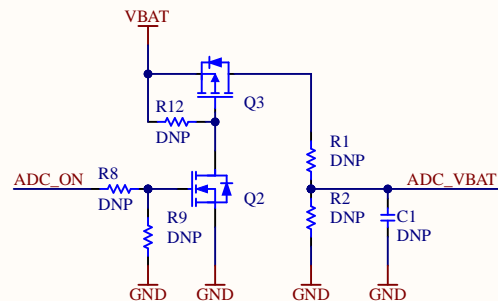
DISP_DATACMD	DATA/nCMD
DISP_BUSY	BUSY
DISP_SDA	SDA
DISP_SCL	SCL
DISP_nCS	nCS
DISP_RESET	RESET



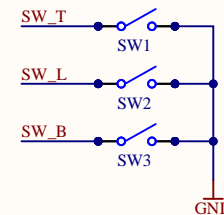
Programming and serial debug



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.

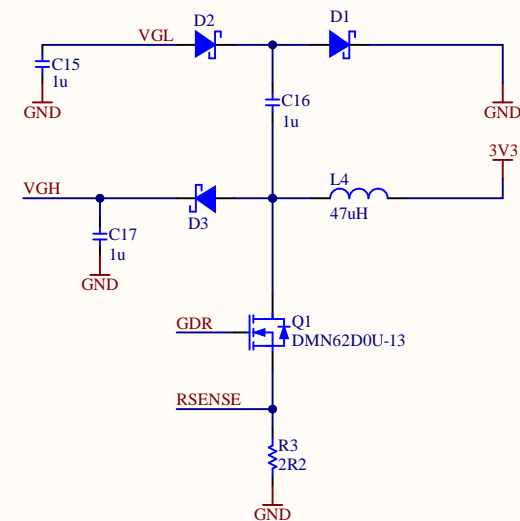
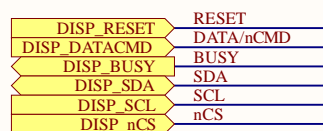


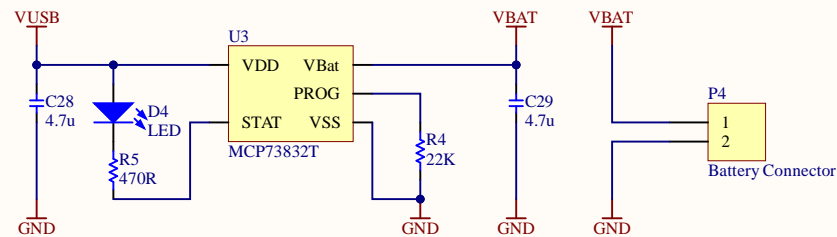
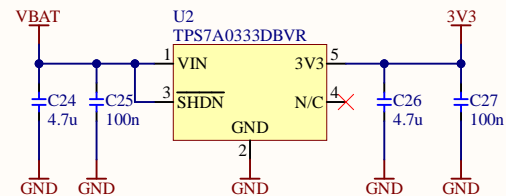
Left, Right and Middle push buttons



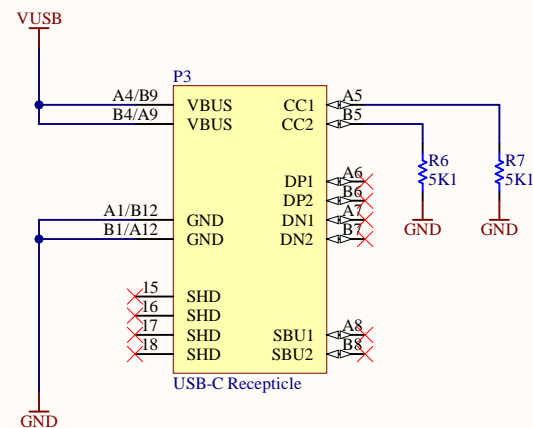
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Title Microcontroller
Page 2 of 4
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Datasheet 5.1.2 CURRENT REGULATION SET
 Charging current is calculated as $I = 1000V / R4$
 I is in milliamps
 R4 is in kilo-ohms
 For R4=22K -> I=45mA



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Title Power and Battery Charging
 Page 4 of 4
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