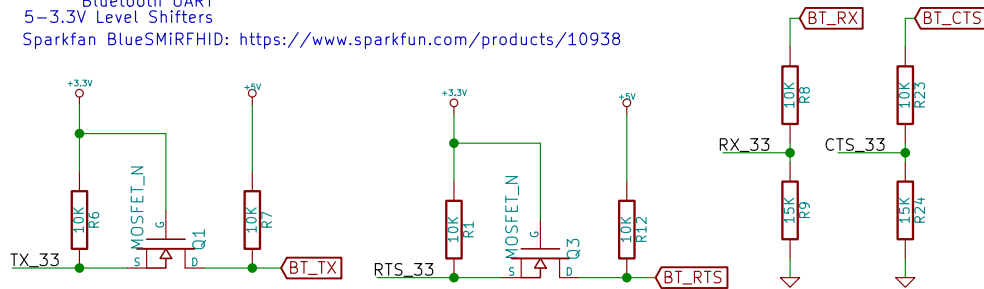
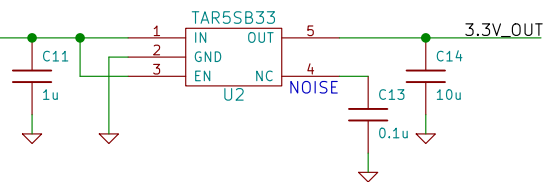


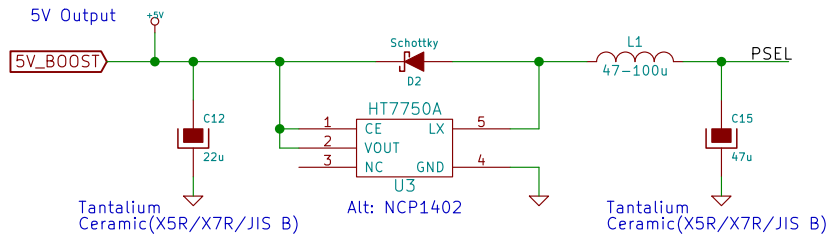
Bluetooth UART
5-3.3V Level Shifters
Sparkfun BlueSMiRFHD: <https://www.sparkfun.com/products/10938>



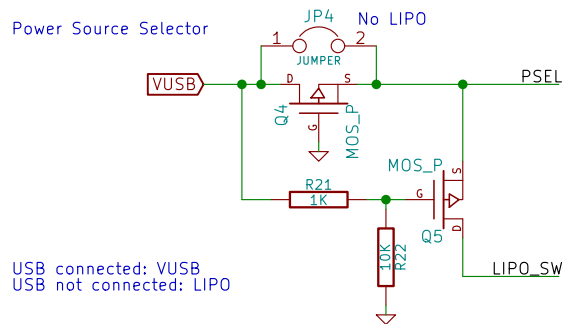
3.3V Regulator



5V Boost Converter

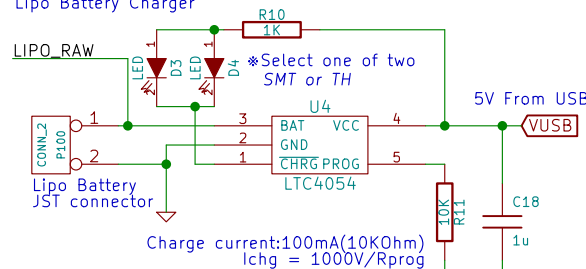


Power Source Selector



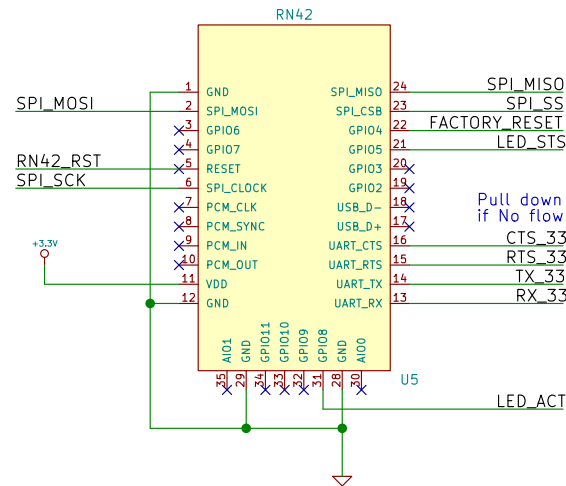
USB connected: VUSB
USB not connected: LIPO

Lipo Battery Charger



Charge current: 100mA (10K0hm)
Ichg = 1000V/Rprog

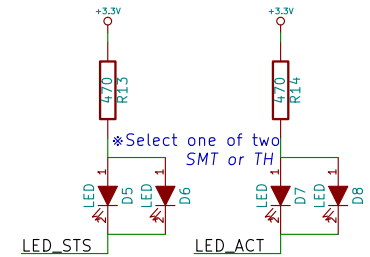
Roving Networks RN42



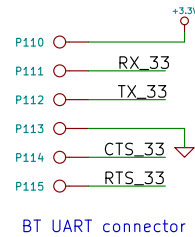
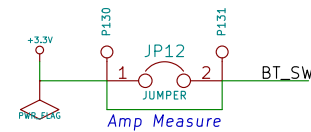
Pull down CTS
if No flow control is needed

Resistor is not implemented.
ON-OFF-ON-OFF-ON
to restore factory default.

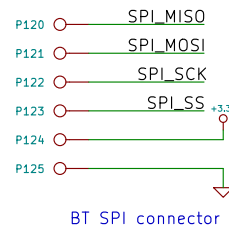
FACTORY_RESET



1Hz: discoverable and waiting
10Hz: command mode
low: connected

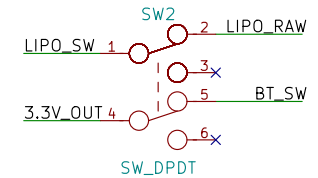


BT UART connector



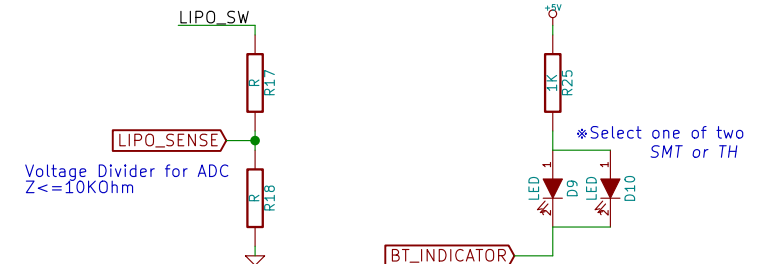
BT SPI connector

Switch BT/USB



On: Bluetooth mode
Off: USB mode or BT off

LIPO_SW



Voltage Divider for ADC
Z<=10K0hm

TMK		
File:		
Sheet: bluetooth.sch		
Title: HHKB Alt Controller		
Size: A4	Date: 2014/03	Rev: B
KiCad E.D.A. eeschema (2013-mar-13)-testing		Id: 2/2