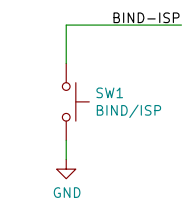
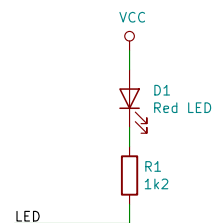
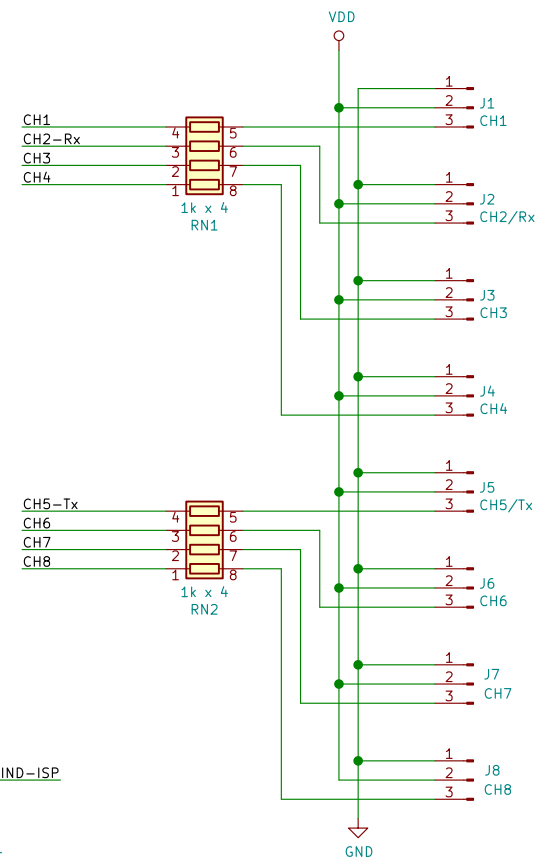
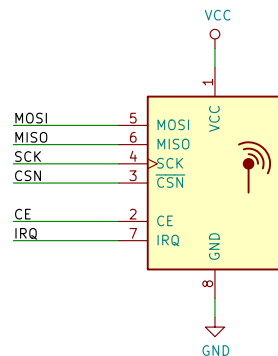
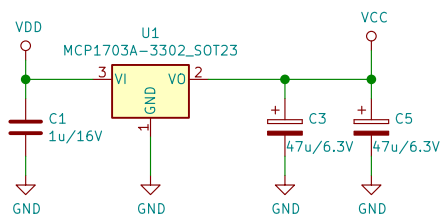


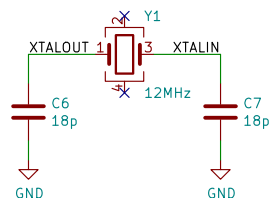
The following MCU pins can not be moved:  
 CH3-Rx PIO0: ISP UART Rx (you can assign another RC channel though!)  
 CH4-Tx PIO4: ISP UART Tx (you can assign another RC channel though!)  
 BIND-ISP PIO12: ISP entry button  
 XTALIN PIO8: crystal  
 XTALIN PIO9: crystal  
 Attention with PIO10 and PIO11, they are open drain! (Use them as input)



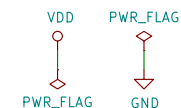
Short-press for BIND function  
 Long-press to invoke ISP for programming



2x Tantalum-Polymer for buffering  
 in case of poor RC power supply



Note: the 8ch version uses a 12 MHz crystal,  
 while the 4ch version uses a 16 MHz crystal  
 (because that was what we had in stock) and  
 the PLL to arrive at 12 MHz.  
 Both run at 12 MHz system clock.



## LANE Boys RC

Sheet: /

File: lpc812-nrf24l01-8ch-receiver.sch

**Title: LPC812 / nRF24L01P based 8-channel receiver**

Size: A4

Date: 2018-09-29

Rev: 1

KiCad E.D.A. kicad 5.0.1-33cea8e68ubuntu18.04.1

Id: 1/1