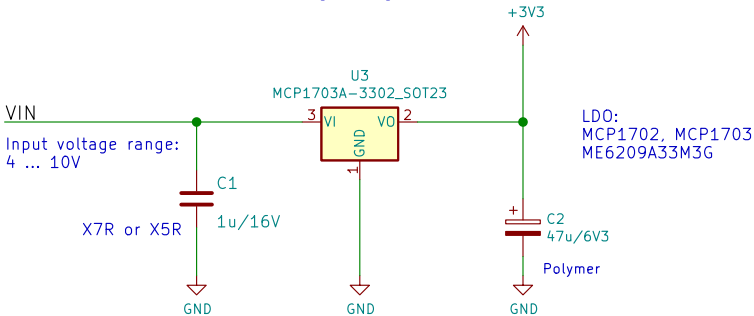
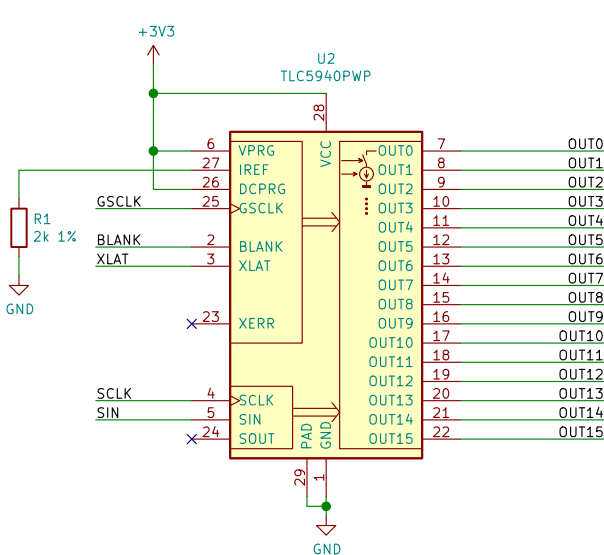


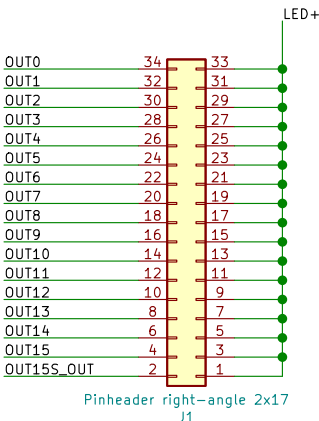
Voltage regulator



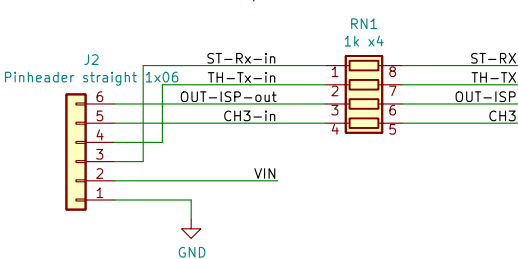
LED driver



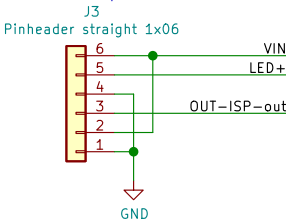
LED output



Servo/Pre-processor in/out

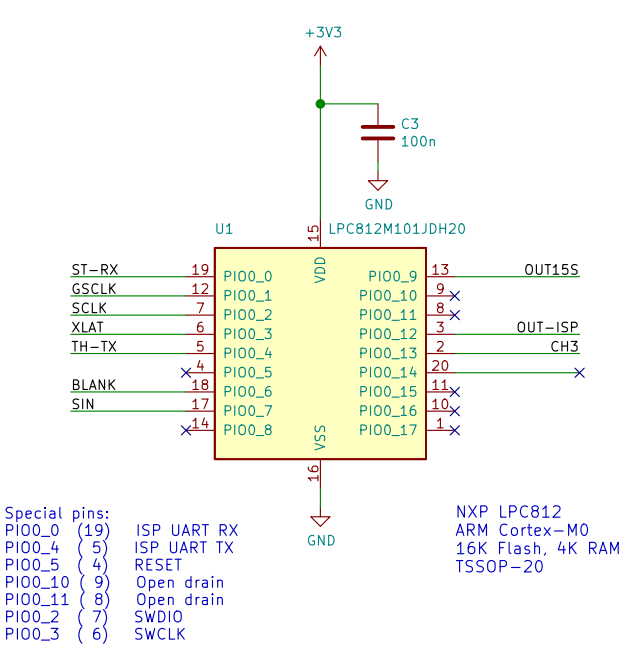


Output connector

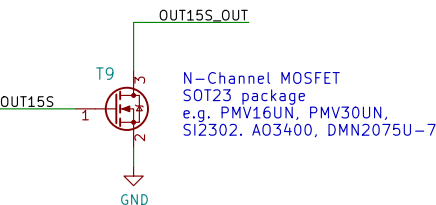


VIN1 is physically close to LED+.
This allows two modes of operation:
1) when VIN1 is connected to LED+
via a jumper, then the LEDs are
powered from the receiver.
2) A separate power supply can be
connected to LED+ (and the nearby GND),
e.g. for higher voltages

Microcontroller



Switched output driver



PI00_14 serves as detection whether
the hardware has the TLC5940 or is the switching version.
For TLC5940 it must be left floating (pull-up).
For switching version it must be pulled to GND.



laneboysrc@gmail.com
LANE Boys RC
Sheet: /
File: rc-light-controller-pinheader-lpc812.sch

Title: **DIY RC Light Controller Mk4 P**

Size: A3
KiCad E.D.A. kicad 5.1.9-73d0e3b20d88ubuntu18.04.1

Date: 2020-06-14
Rev: 1
Id: 1/1