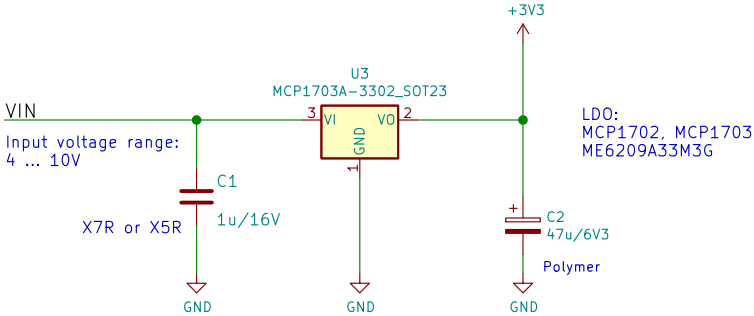
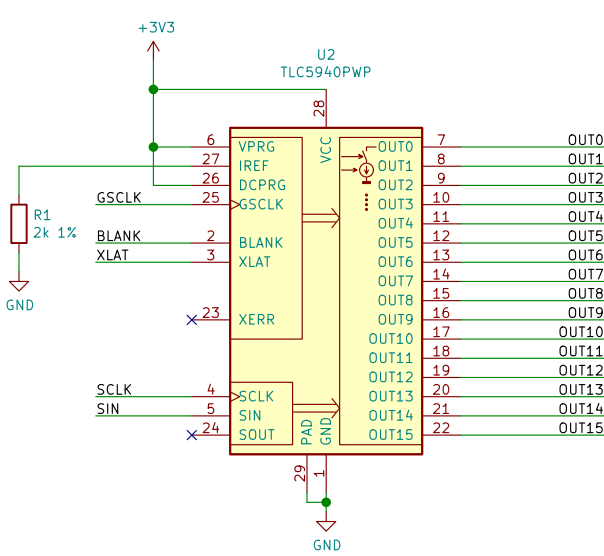


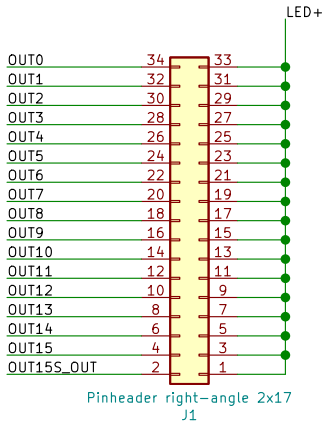
Voltage regulator



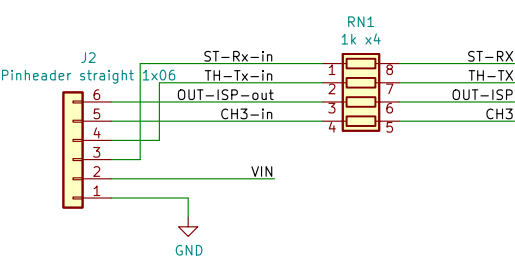
LED driver



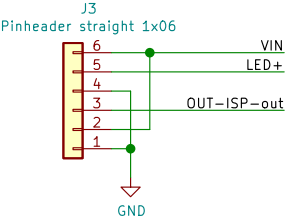
LED output



Servo/Pre-processor in/out

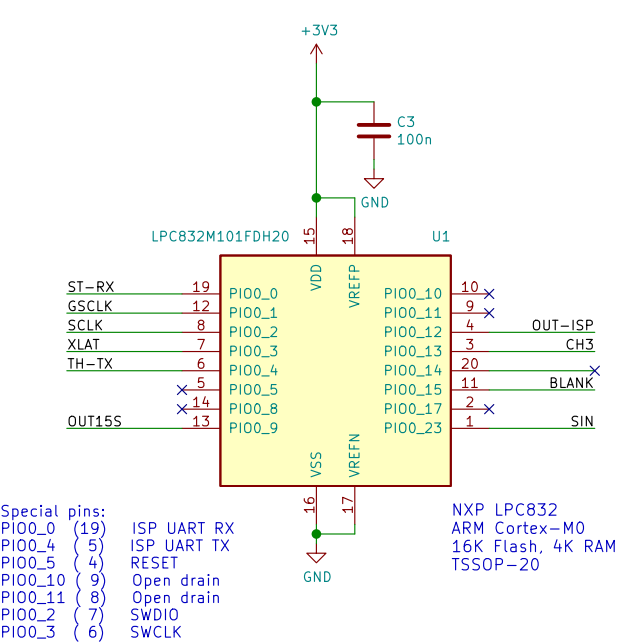


Output connector



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

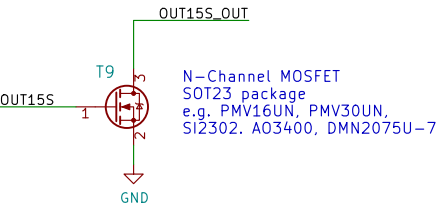
Microcontroller



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.

Pin assignment is similar to LPC812,
with the following exceptions:
BLANK is PI00_15 instesad of PI00_6
SIN is PI00_23 instesad of PI00_7

Switched output driver



laneboysrc@gmail.com
LANE Boys RC
Sheet: /
File: rc-light-controller-pinheader-lpc832.sch

Title: DIY RC Light Controller Mk4 P

Size: A3
KiCad E.D.A. kicad 5.1.10-88a1d61d5888ubuntu18.04.1

Rev: 1
Id: 1/1