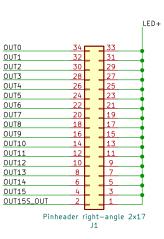
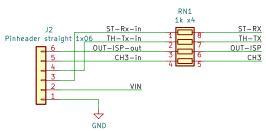


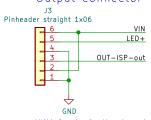
## LED output



## Servo/Pre-processor in/out







GND

VIN1 is physically close to LED+.

This allows two modes of operation:

1) when VIN1 is conntected to LED+

via a jumper, then the LEDs are

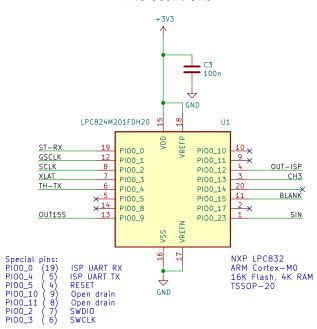
powered from the receiver.

2) A separate power supply can be

connected to LED+ (and the nearby GND),

e.g. for higher voltages

## Microcontroller



PIOO\_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



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LANE Boys RC

Sheet: /
File: rc-light-controller-pinheader.kicad\_sch

Title: DIY RC Light Controller Mk4P

Size: A3 Date: 2025-01-12 Rev: 4

KiCad E.D.A. eeschema 6.0.11+dfsg-1 Id: 1/1

