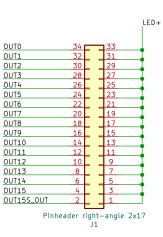


LED output



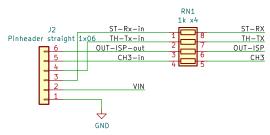
Switched output driver

N-Channel MOSFET SOT23 package e.g. PMY16UN, PMV30UN, S12302. A03400, DMN2075U-7

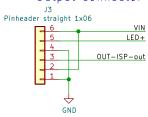
0UT15S_0UT

<u>0UT15S</u>

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

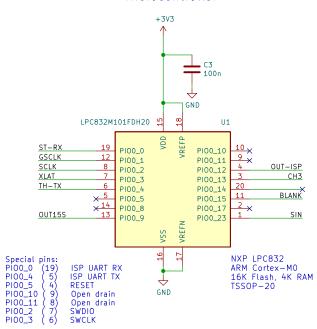
powered from the receiver.

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 instead of PI00_6 SIN is PI00_23 instead of PI00_7

laneboysrc@gmail.com LANE Boys RC Sheet: / File: rc-light-controller-pinheader-lpc832.kicad_sch Title: DIY RC Light Controller Mk4P Size: A3 Date: 2025-01-12 KiCad E.D.A. kicad 6.0.11+dfsg-1

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