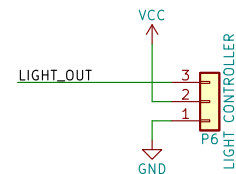


LPC832 pin usage:

PI00_0	(19, TDO, ISP-Rx)	Steering input / Rx
PI00_1	(12, TDI)	(TLC5940 GSKLK)
PI00_2	(8, TMS, SWDIO)	(TLC5940 SCLK)
PI00_3	(7, TCK, SWCLK)	(TLC5940 XLAT)
PI00_4	(6, TRST, ISP-Tx)	Throttle input / Tx
PI00_5	(5, RESET)	NC
PI00_6		(was TLC5940 BLANK)
PI00_7		(was TLC5940 SIN)
PI00_8	(14, XTALIN)	AUX2 input
PI00_9	(13, XTALOUT)	(Switched light output)
PI00_10	(10, Open drain)	NC
PI00_11	(9, Open drain)	AUX3 input
PI00_12	(4, ISP-entry)	OUT / ISP
PI00_13	(3)	AUX input
PI00_14	(20)	Hardware detection, must be floating (or high)
PI00_15	(11)	(TLC5940 BLANK)
PI00_17	(2)	NC
PI00_23	(1)	(TLC5940 SIN)
GND	(13)	
3.3V	(12)	
VREFN	(17)	
VREFP	(18)	

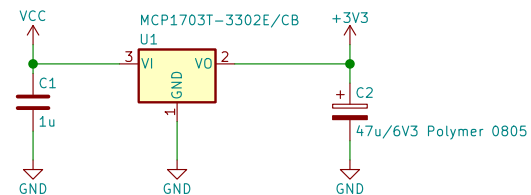


Pull-down required because
PI00_11 is open drain!

We are using PI00_8 for AUX2.
Note that on the 5ch-PP-5 PI00_6 is used
so that in the future it is possible to make
a 9-output Mk4S with 5-channel input.

When switching hardware is detected
(PI00_14 is GND) then the software will
use PI00_6 for AUX2, otherwise PI00_8

In our this case PI00_14 must therefore left
floating!



LPC832 version due to LPC812 shortage in 2021
Support for 3 AUX channels

LANE Boys RC

Sheet: /

File: preprocessor-multi-aux-lpc832.sch

Title: Pre-processor for RC Light Controller

Size: A4

Date: 2021-05-09

Rev: M3

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