



Light Controller pin usage:

PI00_0	(16, TDO, ISP-Rx)	Steering input / Rx
PI00_1	(9, TDI)	TLC5940 GCLK
PI00_2	(6, TMS, SWDIO)	TLC5940 SCLK
PI00_3	(5, TCK, SWCLK)	TLC5940 XLAT
PI00_4	(4, TRST, ISP-Tx)	Throttle input / Tx
PI00_5	(3, RESET)	NC (test point)
PI00_6	(15)	TLC5940 BLANK
PI00_7	(14)	TLC5940 SIN
PI00_8	(11, XTALIN)	==> AUX2
PI00_9	(10, XTALOUT)	Switched light output (for driving a load via a MOSFET)
PI00_10	(8, Open drain)	NC
PI00_11	(7, Open drain)	==> AUX3 (100K pull-down)
PI00_12	(2, ISP-entry)	OUT / ISP
PI00_13	(1)	CH3 input

Support for 3 AUX channels

LANE Boys RC

Sheet: /

File: preprocessor-multi-aux.sch

Title: Pre-processor for RC Light Controller

Size: A4

Date: 2019-07-12

Rev: 3.0

KiCad E.D.A. kicad 5.1.5-52549c586ubuntu18.04.1

Id: 1/1