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TITLE: Nixie_Clock_LED_Board

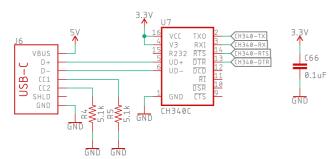
Design by:

REV:
V1

Date: 14/11/2021 12:09

Sheet: 1/2

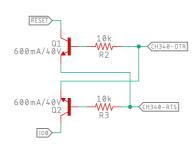
USB-to-Serial Converter



Auto-Reset

Boot Mode Configuration

Pin	Run	Bootloader	Default
I00 I02 I05 I012 I015	1 x 1 0 x	0 0 x 0 x	1 0 1 0
I012 = MDTI, I015 = MDT0			

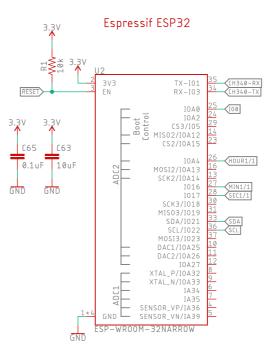


If DTR is LOW, toggling RTS from HIGH to LOW resets to run mode. If RTS is HIGH, toggling DTR from LOW to HIGH resets to bootloader.

GPI00/Boot Button



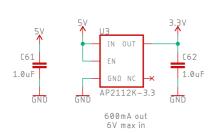




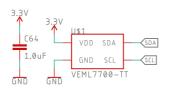
Use boot control pins with caution: 0, 2, 5, 12, 15
100: Avoid device connections. Can be used a stat LED.
102: Avoid external pullups — will cause bootloader fail.
105: Has builtin pullup at POR.
1012: Avoid external pullups — will cause bootloader fail,
1015: Has builtin pullup at POR.

ADC2 has problems when WiFi is enabled.

System Regulator



Ambient Light Sensor





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