

VERSION HISTORY

1 initialise (ORDERED)

1.1 Some silkscreen changes

2 Added LEDS and pull-up for !RESET pin

LEDs 1 til 5 turn on when on

For R1-5; $(24V-1.2V)*0.05A=1.14$ Watt.
Do NOT use a 0.25 resistor here

R10-R13 Pull down resistor

Calcuclate resistor (by diffrent octocopler)

24V = HIGH signal in

1.15V = Drop voltage needed for octocopler

0.016A= Current octocopler

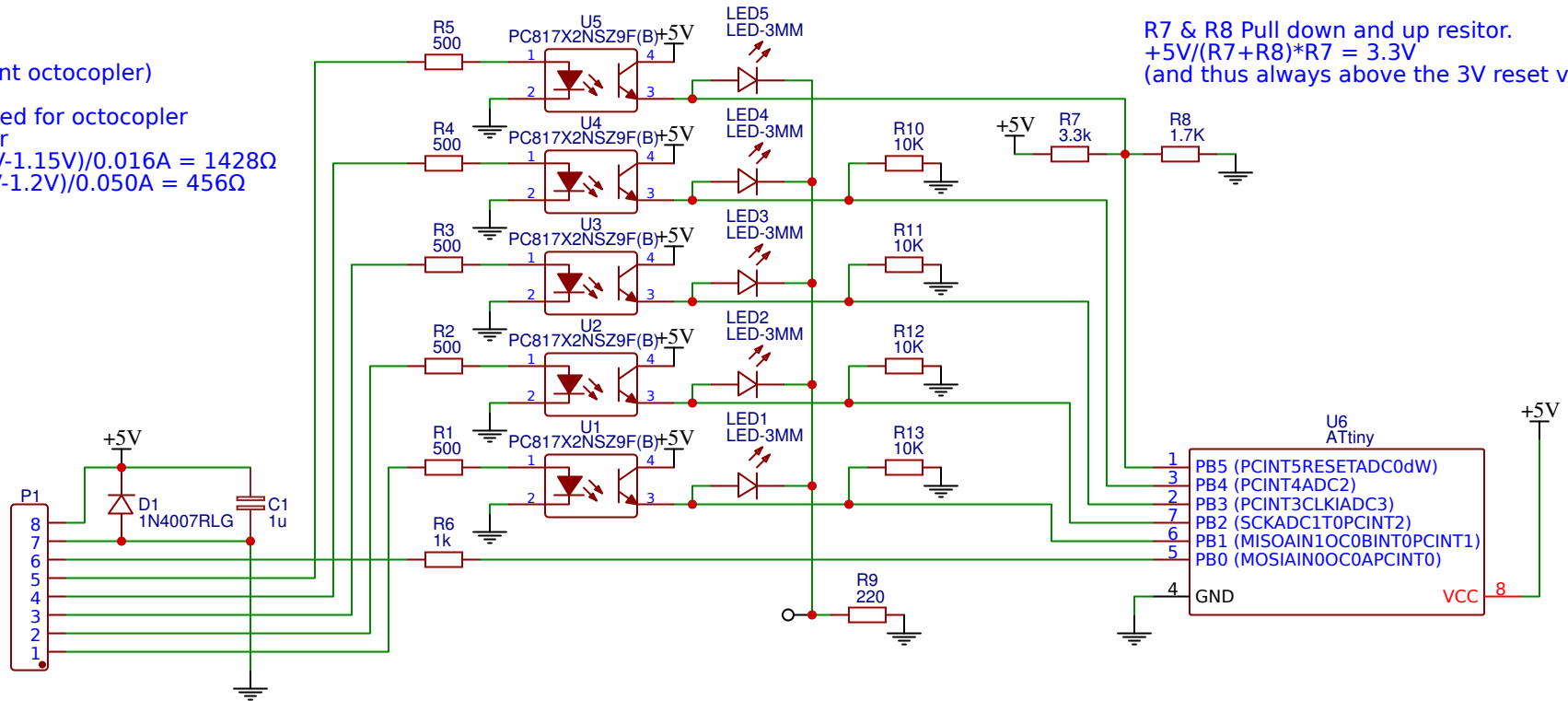
By TLP621 $R_{1,2,3,4,5}=(24V-1.15V)/0.016A = 1428\Omega$

By PC817 $R_{1,2,3,4,5}=(24V-1.2V)/0.050A = 456\Omega$

R7 & R8 Pull down and up resitor.

$+5V/(R7+R8)*R7 = 3.3V$

(and thus always above the 3V reset voltage)



TITLE: ATtiny LED controller		REV: 2
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