

6

Sparkfun
LCD-10862

USAge timer - Main board

Pigtail to
isolate
board $\frac{4}{6}$

RGB
LCD

Contrast

Contrast Pot
Went open after
Weeks of use.
Had to jiggle to make
work. Replaced w/
fixed Resistor

47µF

473
0.47µF

INP

↓

4.94V
Set to 0.7V for best contrast

Replaced Pot w/ fixed

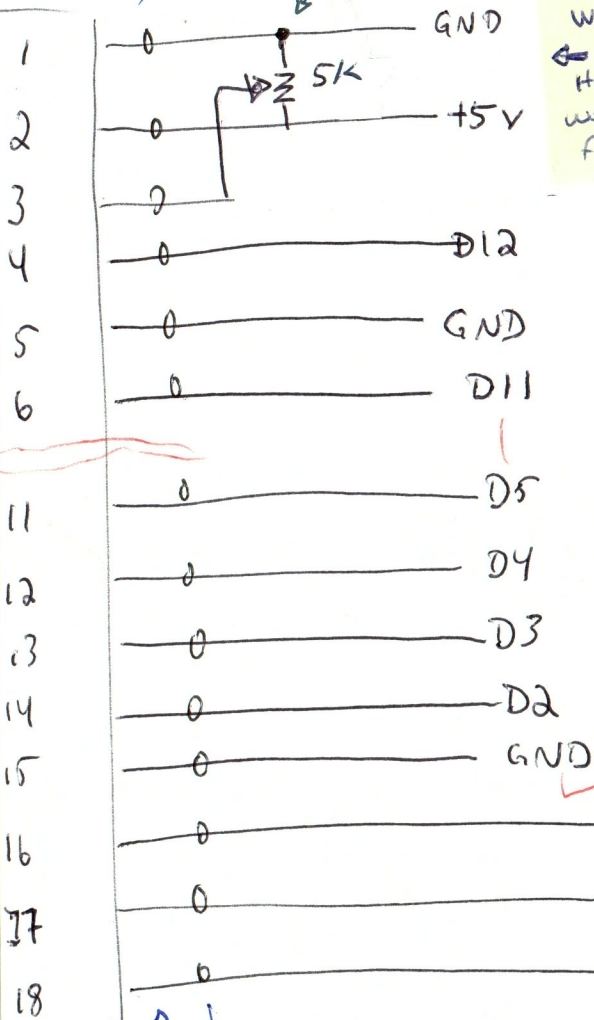
2016 March 19

LCD
Contrast
issue

$R = \frac{R}{R + 4.7k}$
4.94V = 0.7V

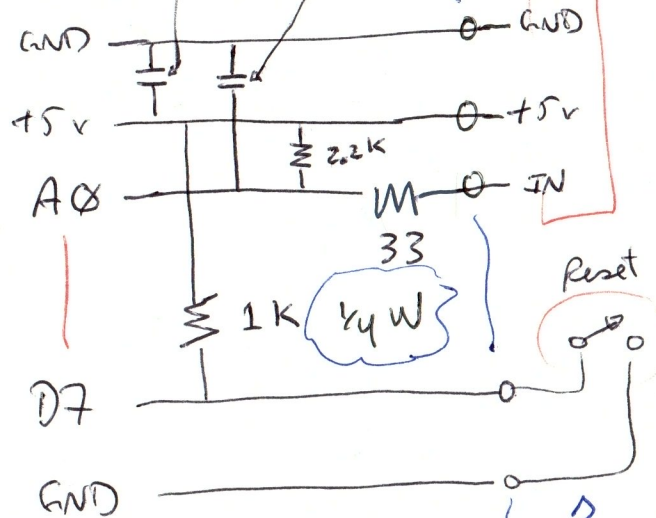
$R = 775 \Omega$

Used 790Ω + 4.99kΩ
⇒ 0.9V



Pigtail to LCD

Arduino
GND
V3



Header
Pigtail
to
User
Time
Reset
Switch

Feb 2015
C.O.A