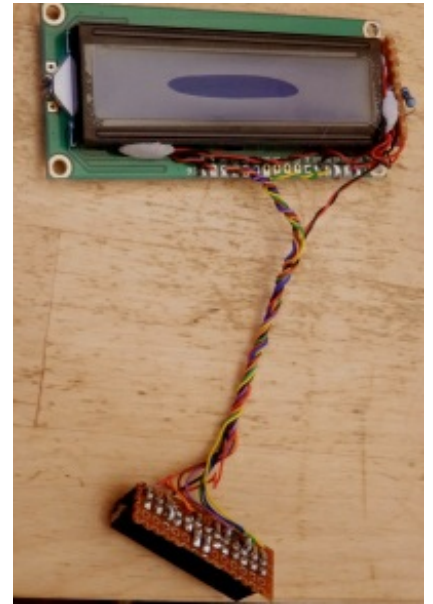# pigetnet/lcd: Manage lcd screen (without i2c)

github.com/pigetnet/lcd

Manage lcd screen (without i2c)

Wiring

You can use whichever pins you want for the lcd screen.

- Pins : http://pinout.xyz

LCD --> Cable

- Yellow --> RS
- Green --> EN
- Blue --> D4
- Brown --> D6
- Orange --> D7
- Black (GND) --> VSS
- Black (GND) --> RW
- Red (5V) --> A
- Red (5V) --> VDD

Contrast/Luminosity

You need to put a trimpot or a resistor (500ohms should be enough) or you won't be able to read text on the lcd screen.

- K (Luminosity) ---> Resistor (500ohm) / Trimpot 10K --> GND
- V0 (Contrast) ---> Resistor (500ohm) / Trimpot 10K --> GND

Cable --> Raspberry Pi

- Yellow --> 7
- Green --> 8
- Blue --> 25
- Purple --> 24
- Brown --> 23
- Orange --> 18

Schematics

You should make a separate stripboard to manage 5V/GND/Resistor/Trimpot (see photo)

500/1K Ohms or Trimpot

GND (Rpi)

VSS

V0

K

RW

fritzing

5V (Rpi)

VDD

A

fritzing