UC1601 GLCD

```
'       1/5/19    Added Hyperbole
'                 See the following article:  "Generatin
'                 Author: Abdul-Aziz Solyman Khalil,
'                 Department of Computer Science, Univer
'       23/9/19   Added GLCD_TYPE_UC1601 support


'Constants that might need to be set
```
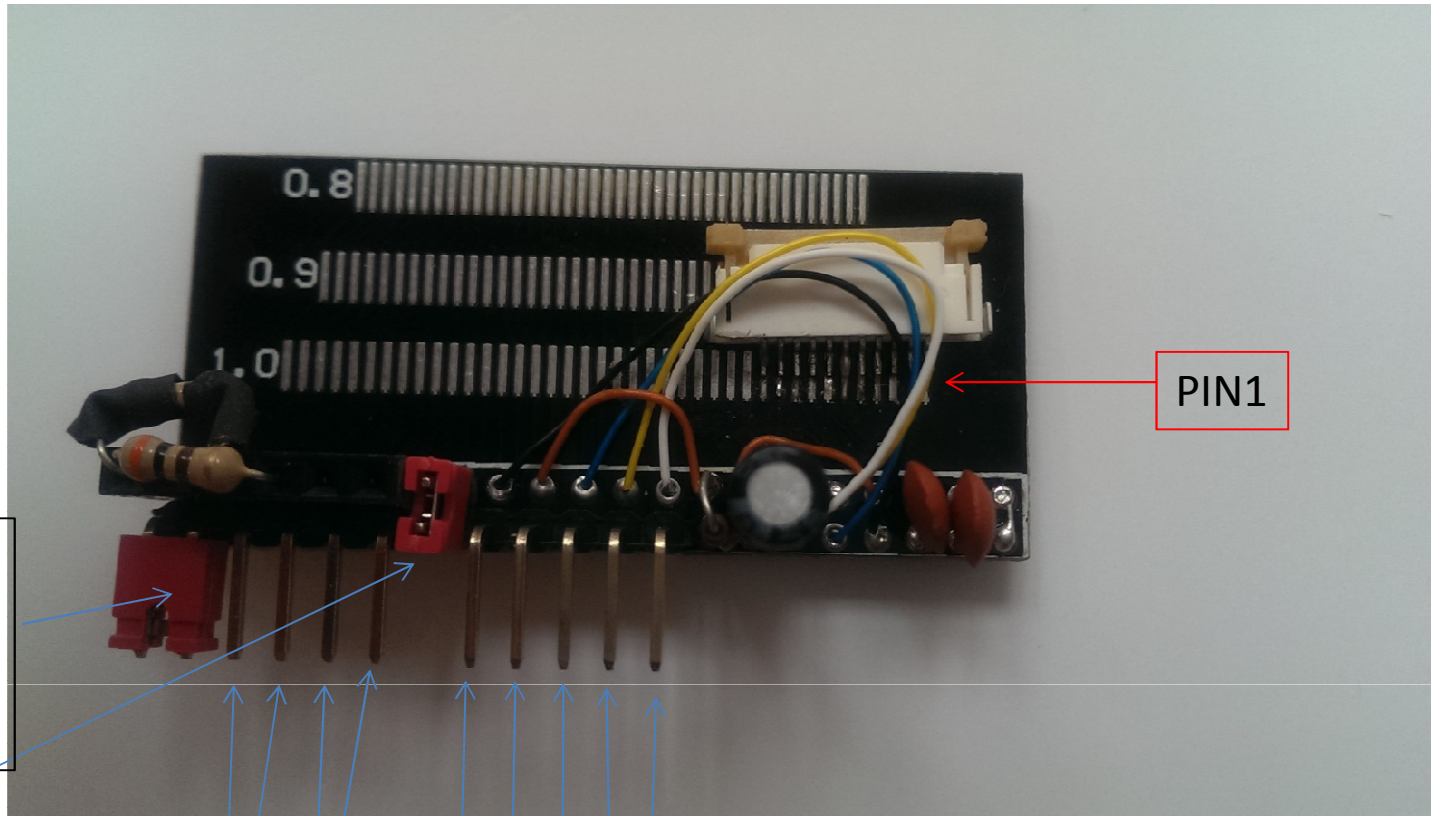
Re: Pollin LCD SANBUM LBL-11337

Author: Bernd D. (bernd_d56)

Date: 16.02.2018 06:23

I had 10 pieces in stock, who still one or two
needs, report!

The goal!!

PIN1

Jumper to put 3.3v into both backlites

Jump to connect Backlite to 3.3v

Reset

Anode

I2C Clock

Cathode

I2C Data

3.3v – diode pulls 2.8v

0v

Jumper to put 3.3v into both backlites can be connect to MCU, and/or MCU PWM

Pinout of the 11 pin GLCD Molex connector
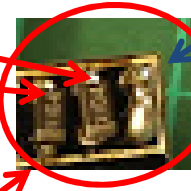
1   Vlcd in 'connect 1 to 2. Then via cap to 0V
          | ---- 1uf -→0v
2   Vlcd out
3   ---- 'connect 3 to 4 via the cap
        |
     100nF
        |
4   ----
5   ---- 'connect 5 to 6 via the cap
        |
     100nF
        |
6   ----
7   GND
8   Vcc 2.4
9   SDA (I2C)
10   SCL (I2C)
11   RESET 'Pull high to operate

Pins 1 & 2 – connected together

2 x 104 CAPs
across
Pins 3 & 4
Pins 5 & 6

11 way to PCB

MCU Connection

Reset
I2C Clock
I2C Data
3.3v
0v

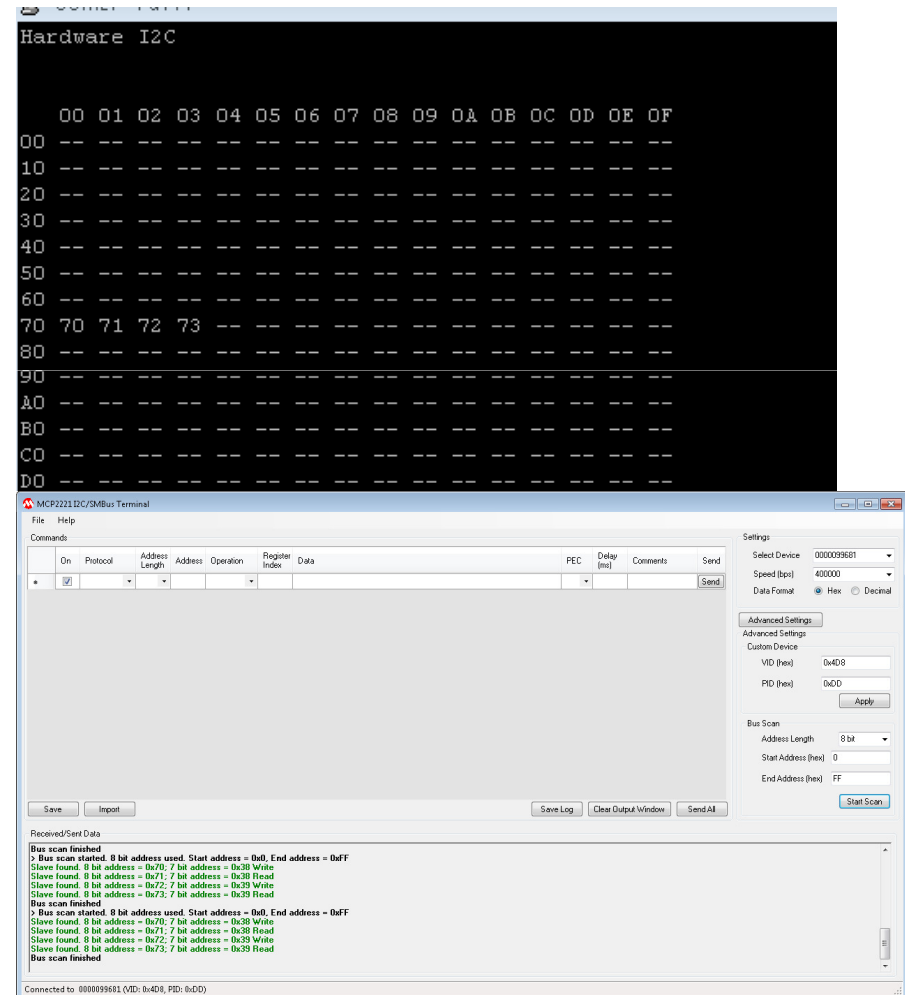BackLite

MCU
BackLite
Control

11 way MOLEX
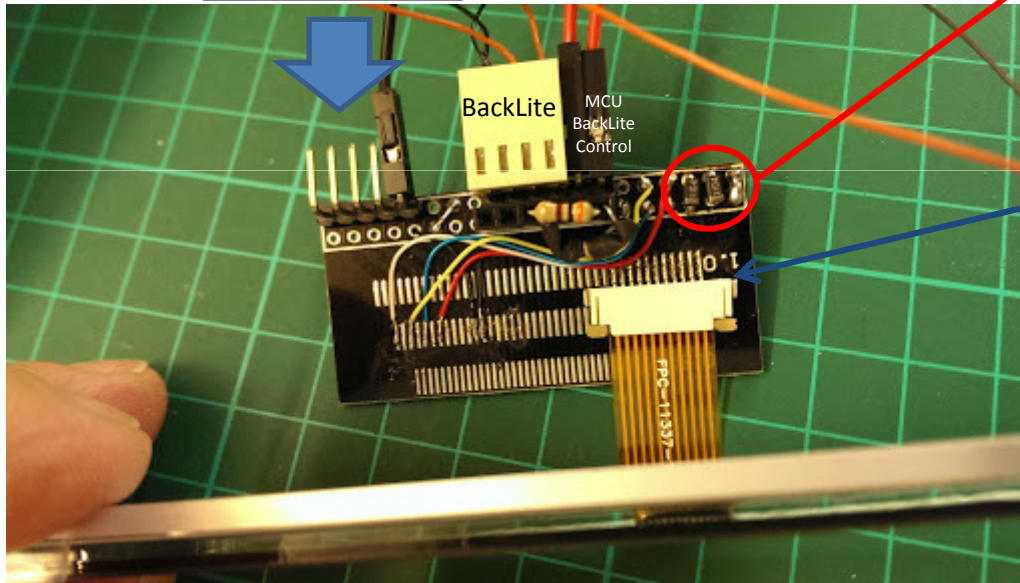
I2C discovery report more than one interface.

- GCB I2C discovers
  - 0x70..0x73

- So, check this finding
- MCP2221 also discovers
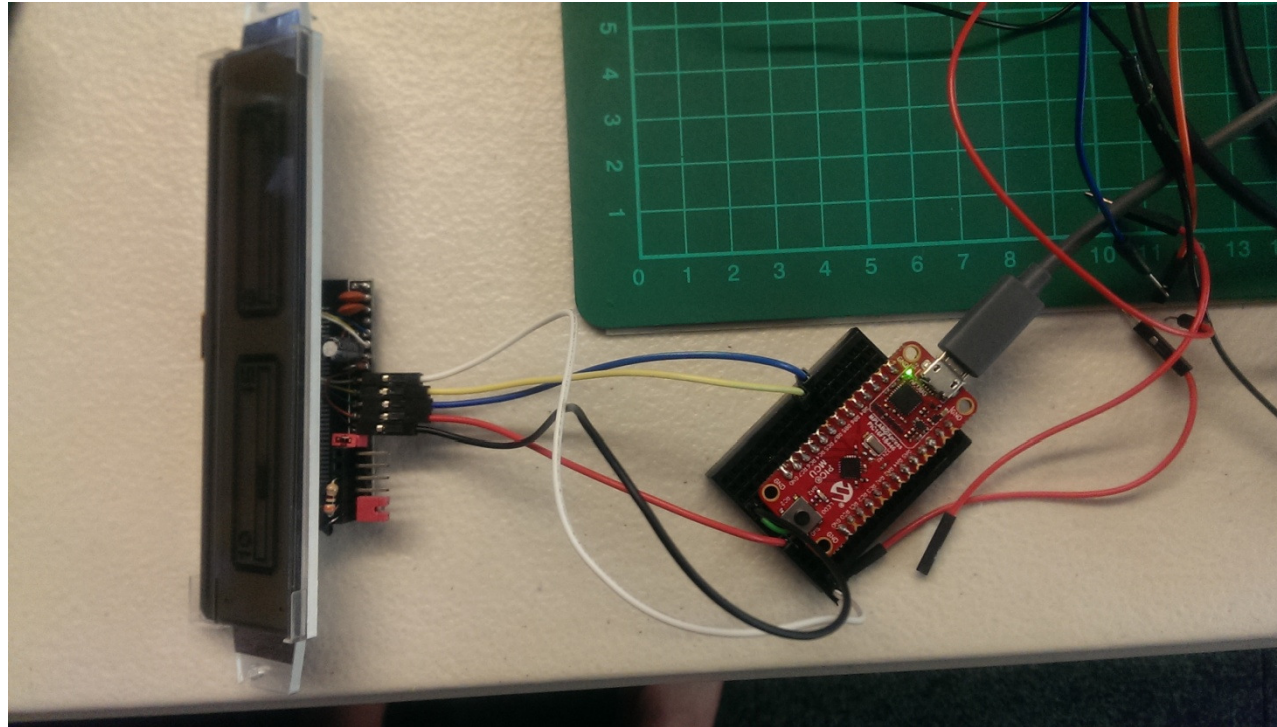 - 0x70..0x73

Odd... this was not reported on the web site

When RESET is low…

- The I2C interface is not operation
- Need to connect RESET to High or select HIGH on a MCU port

Need to have RESET line high for I2C discovery to work

In use

Great Cow BASIC   16F18446
Anobium 2019   I2C GLCD UC1601
MPLAB Xpress Board   clideo.com