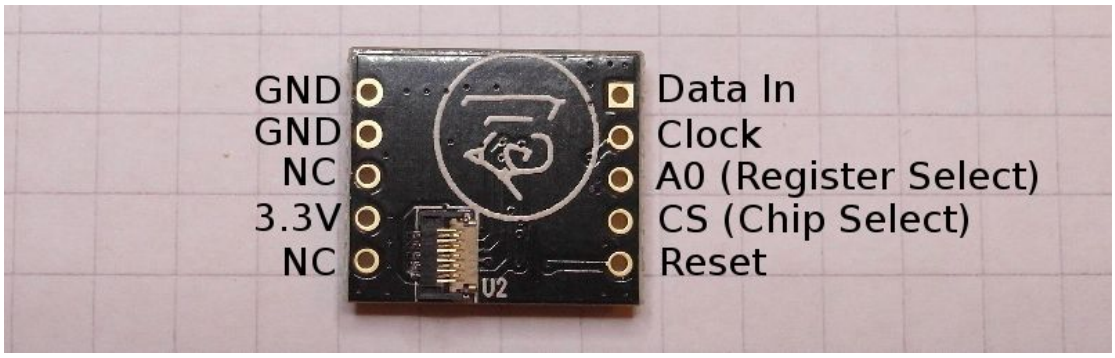
Getting Start With OCELL

Youtube video guide:

https://www.youtube.com/watch?v=mYLaEvkdEbE

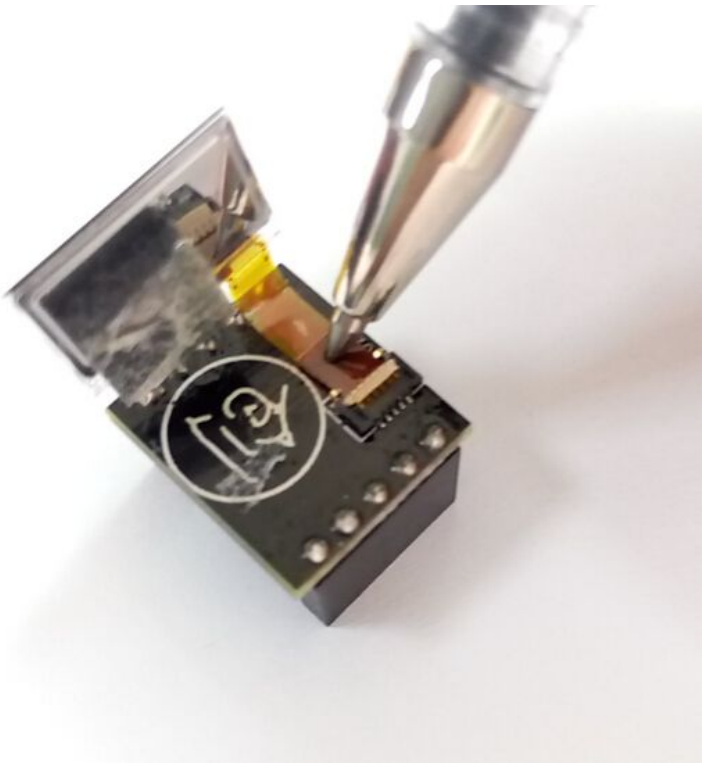
U8glib: https://github.com/olikraus/u8glib

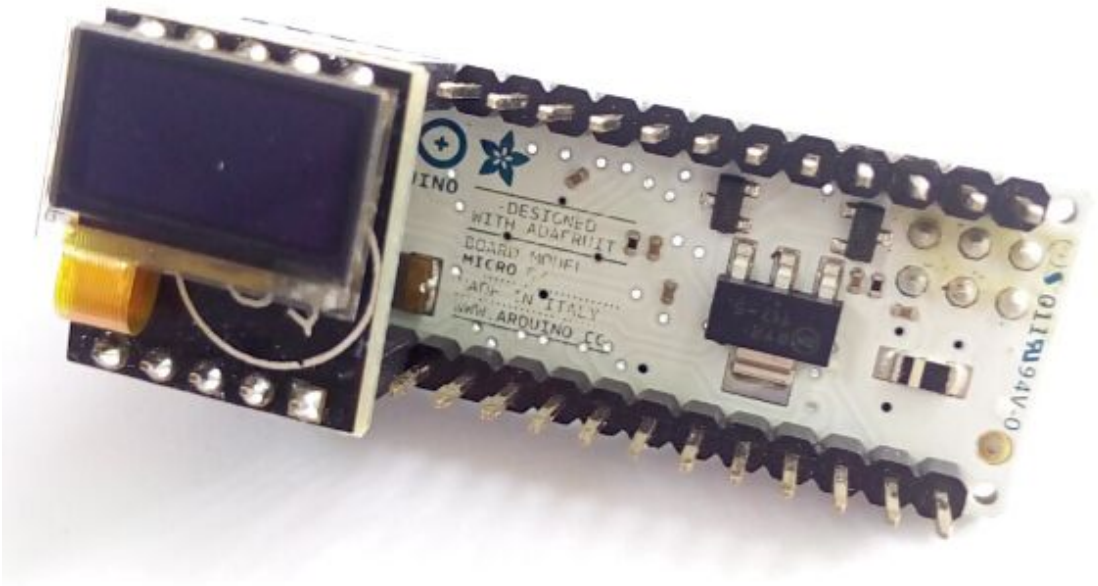
OCELL PINOUTS:



Connect with Arduino Micro by 3 steps (for SPI mode only):

1.Soldering the DIP female socket on the module and Connect the OLED display with the FPC connector.(lift up the small cap on connector and push FPC in a little bit by a pen then press the cap down). Attaching the display on PCB board by the double sizes tape.





2.Download the U8glib library on your Arduino IDE .
(For how to use the U8glib please check link for official U8glib pages for details : https://github.com/olikraus/u8glib)
Notice:
the Arduino Micro pinset:
U8GLIB_LD7032_60x32 u8g(9, 8, 11,10, 12); // SPI Com: SCK = 9, MOSI = 8, CS = 11, A0= 10, RST =12
Also you could set the Arduino Micro A0 ,A1 pins to low to be as the ground

3.You could edit your Arduino sketches for your application base on U8glib to display anything you want, it is convenient to do a quick development.

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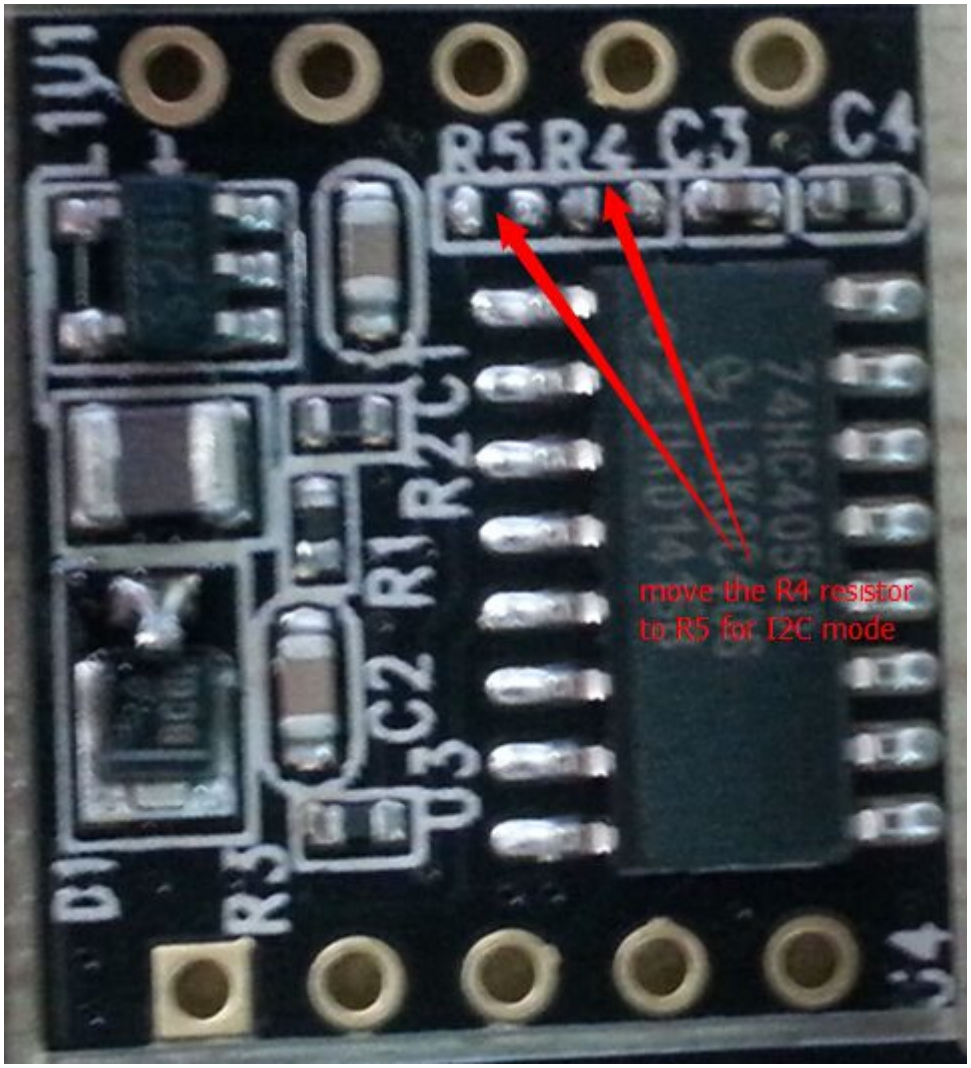
Use OCELL by other micro controllers or in I2C mode :

1. You could wire it to other MCUs follow the pinout in SPI mode

If you want to use I2C mode just remove the R4 and soldering the resistor on R5 will turn OCELL into I2C mode.

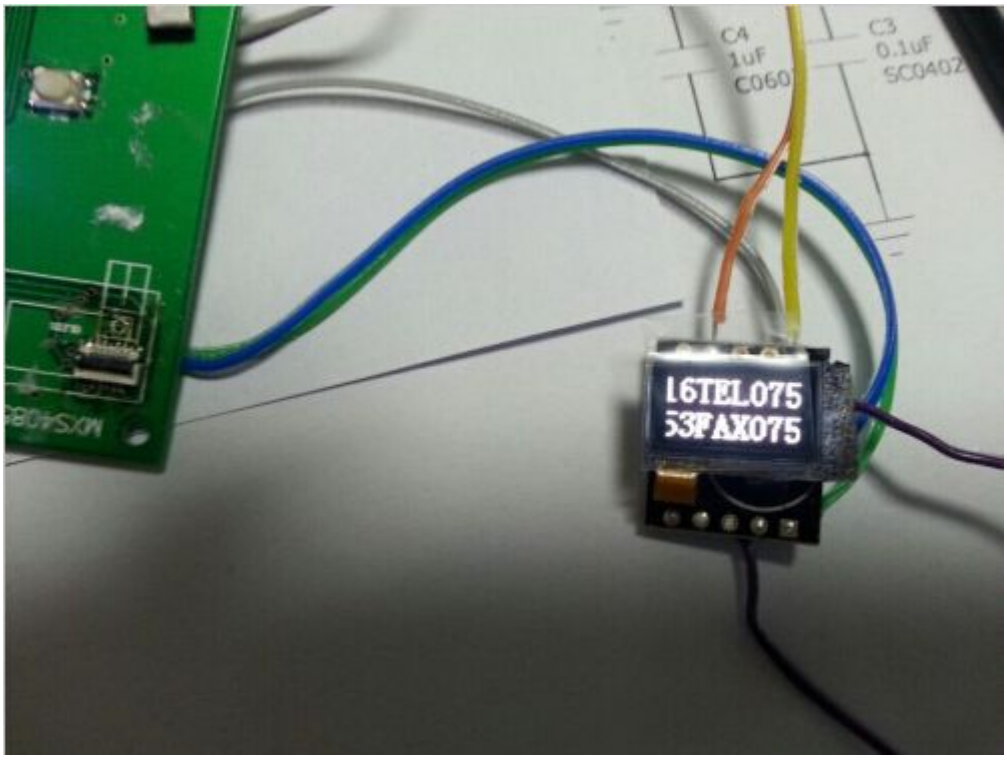
The pinout will be :

CLOCK=SCL, DATA IN=SDA



If you need the OLED display SPEC and LD7032 driver datasheet pls email to tom@rxxdisplay.com to ask for.

I2C mode by using STM32 micro controller:



Interesting Projects on YOUTUBE by DIYers doing with OCELL:

Tiny OLED GPS Bike Speedometer:

https://www.youtube.com/watch?v=IklV_jTcl2A

Gas sensor:

https://www.youtube.com/watch?v=obNeqesglgQ

Rotating cube on 0.5 inch OLED using 3D engine on Arduino:

https://www.youtube.com/watch?v=3_ugKHDYY54

Any questions feel free to email: tom@rxxdisplay.com