

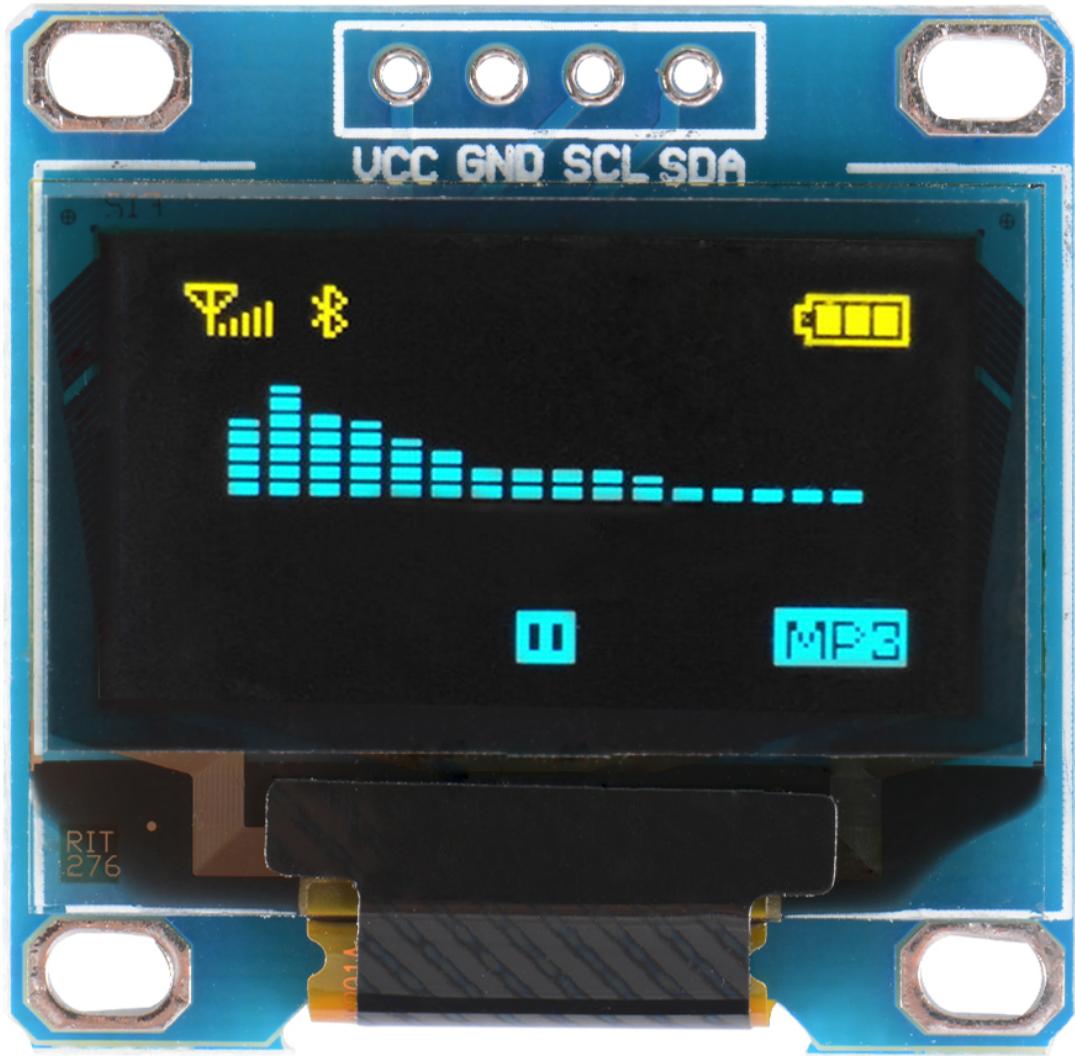
DIY Arduboy

TINKERCAD

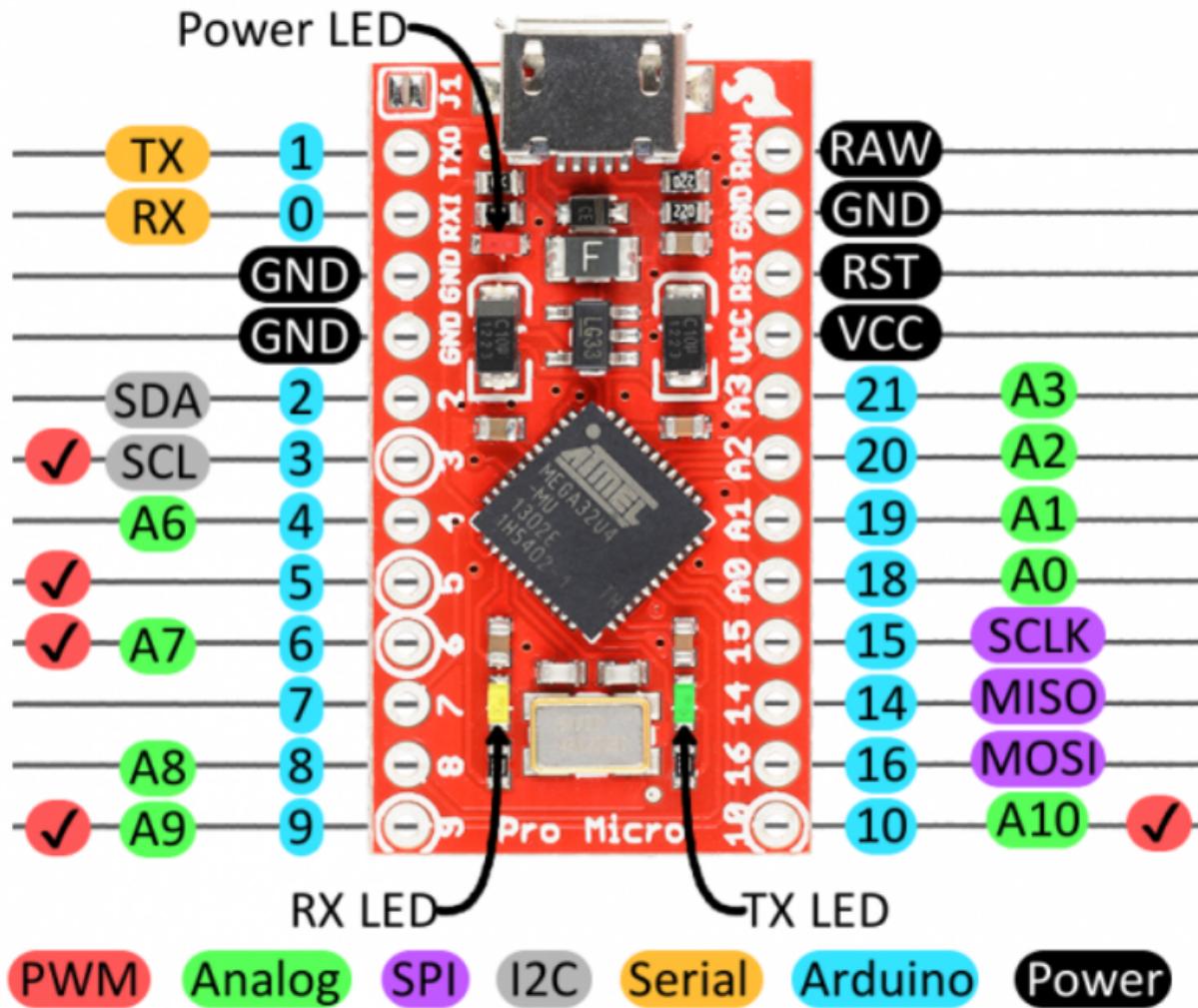
(sample: <https://www.tinkercad.com/things/6nSdspNbZXi-arduino-lcd-game#/>)
Tinker Circuits

[Arduboy Homemade - Tinker Circuits](#)

OLED 0.96 I2C - The Pinout



Sparkfun Pro Micro - The Pinout



Pro Micro & Fio V3 Hookup Guide

Learn how to setup IDE to work with Sparkfun Pro Micro board and run some examples

Arduino Micro just blinks, won't connect to PC

(bonus:

- The case of the broken Pro Micro
- The case of the broken Pro Micro (reprise)

)

OLED I2c Display With Arduino and, OLED I2C Display Arduino Tutorial

Notable: [i2c_scanner](#)

Arduboy on Arduino Nano + I2C-Display Using a Nano with a I2C oled

Modified

Code: <https://github.com/harbaum/Arduboy2>

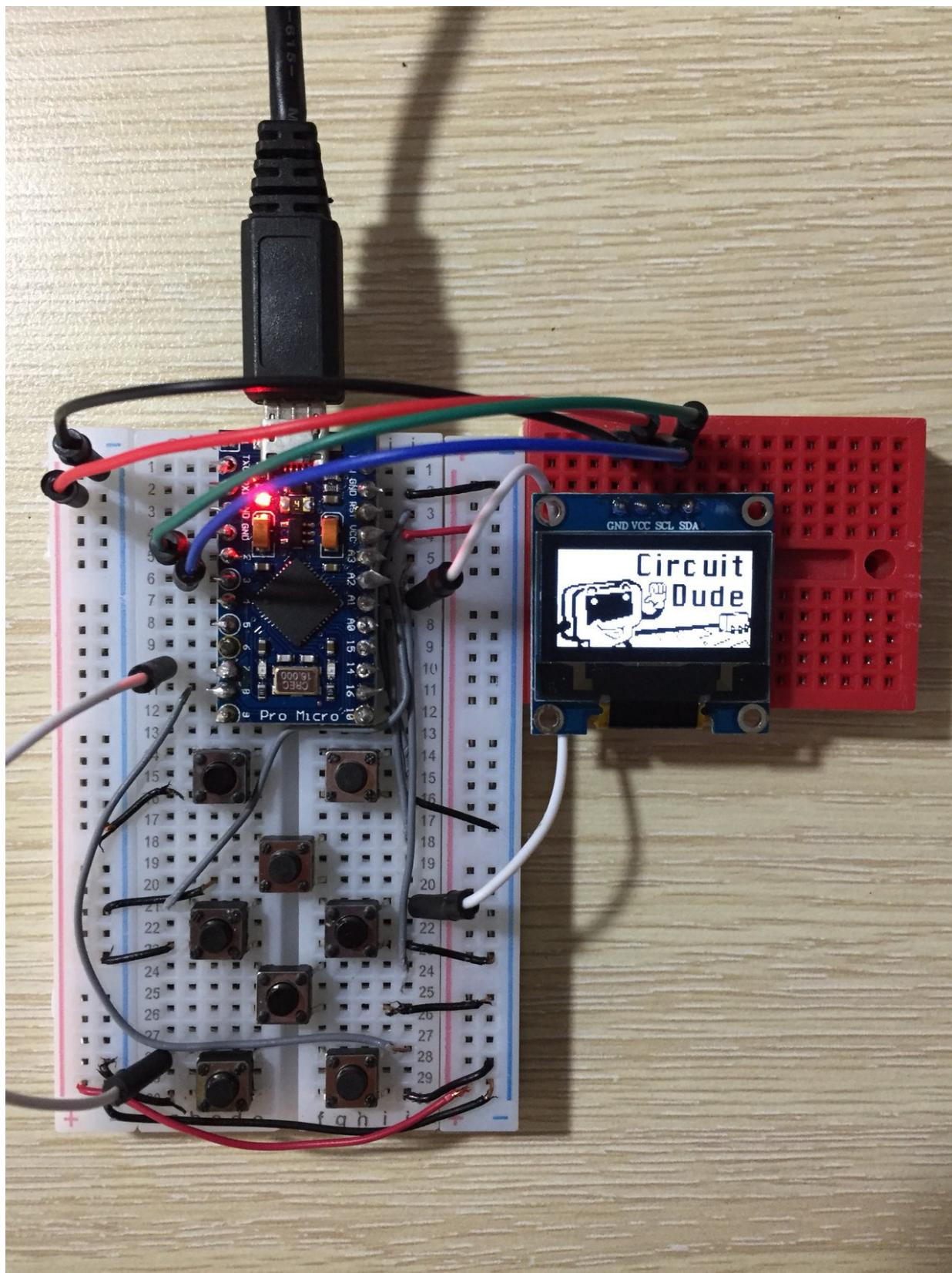
My own version

Arduboy Homemade - Pro Micro + I2C OLED

<https://github.com/huyduino/Arduboy2>

(actually I don't need to make these modification if I buy another display which supports SPI interface, instead of I2C.
however, it's fun doing these)

Final product



Video: <https://youtu.be/OHe54QShM9c>

Refs

Arduboy → Homemade

- \$12 Arduboy compatible system
- Breadboy a 100% non soldering Homemade Arduboy
- Scootmatt's Arduboy Clone
- Hardware clone (esp8266 + arduino nano)
- Where can I get a dev kit?
- Homemade Arduboy with acrylic glass case and flash cart
- PS2 Arduboy based on ESP8266

others

- <https://www.youtube.com/watch?v=x3wqad1CnH0>
- DIY Video Game Using Arduino (Arduboy Clone)