# AquaPad and Aquarius Controller

**Tester** 

Developed by

www.youmakerobots.com

## Components needed

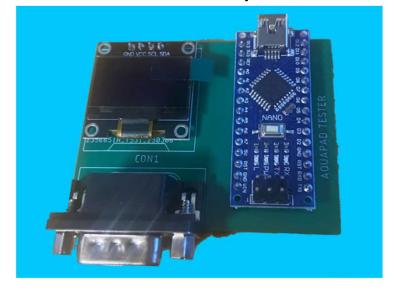
- Male 9pin D-Sub Socket Don't get one with hollow pins
- Arduino Nano v3
- 4 pin OLED Screen 128x64 GND on pin 1 (not VCC on pin1)
- USB Data cable for Arduino

### **PCB**

- Download the Gerber.zip from Github
- Upload it to JLCPCB or PCBway or your choice of PCB service
- Order PCBs

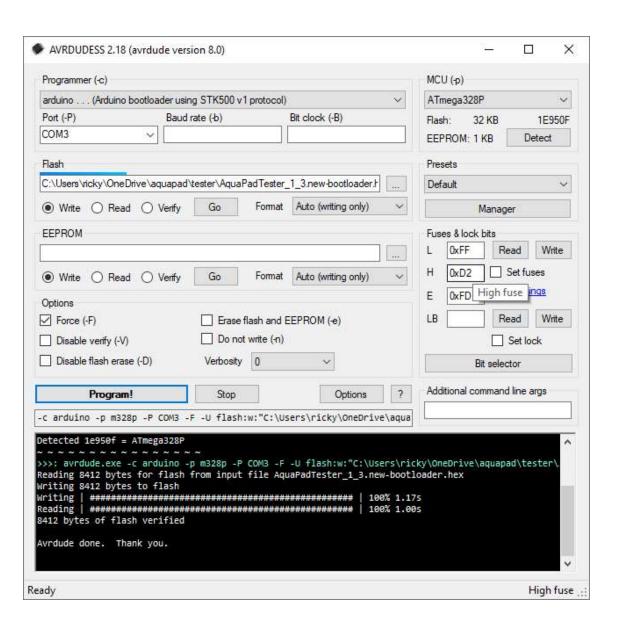
When PCBs arrive the 3 components in the orientation shown in

this Photo:



#### Software

- Download AVRdudess
- Download the Firmware HEX file from github. Make sure you pick the correct Bootloader for you Arduino Nano
- Open AVRdudess
- In the Flash file field find and select the firmware you downloaded
- The next page will show you the settings of AVRdudess.
- The click on Program to upload the Firmware to the Arduino



#### How to use

- Power on the Tester. First a splash screen will display for a few seconds. Then it will wait saying "AquaPad Tester"
- Plugin the AquaPad and turn on or plugin in the original Aquarius controller.
- Press each button K1-K6
- Move the Thumbstick or dial to show P1-P16