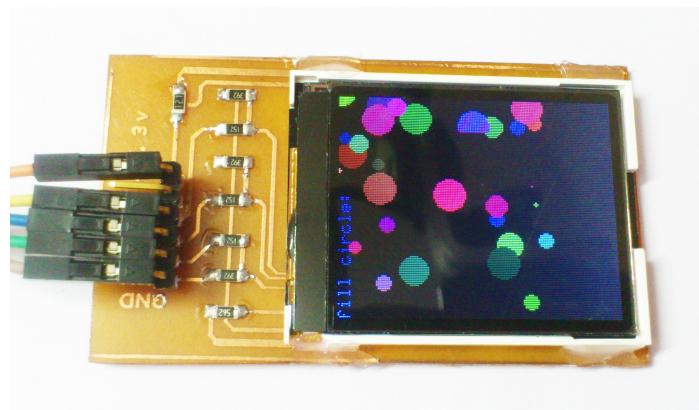


# Arduino Compatible Color LCD 1.8 inch

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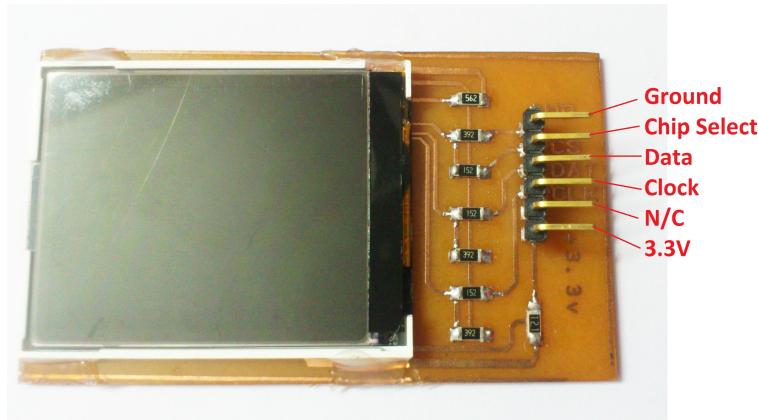
Caution ! 3.3V device.  
Use correct power supply !

## 1 Specifications

- 1.8" diagonal LCD TFT display.
- 65K color.
- 160 x 128 pixels.
- ST7735 controller with built in pixel-addressable video RAM buffer

- IO pins are 5V compatible, built in level converter.
- 3 pin SPI digital interface.
- Example codes are included.
- Library has text and geometric functions.
- Requires only 3 IO of the micro-controller to drive the LCD.
- LCD dimension 44mm x 34 mm.
- Video of different demo can be found here:  
[https://www.youtube.com/playlist?list=PLXmFn1t1oCOGISLSTTjDITi3hbXfUd\\_5Q](https://www.youtube.com/playlist?list=PLXmFn1t1oCOGISLSTTjDITi3hbXfUd_5Q)

## 2 Connection



Connect "Chip Select" to arduino Pin 9

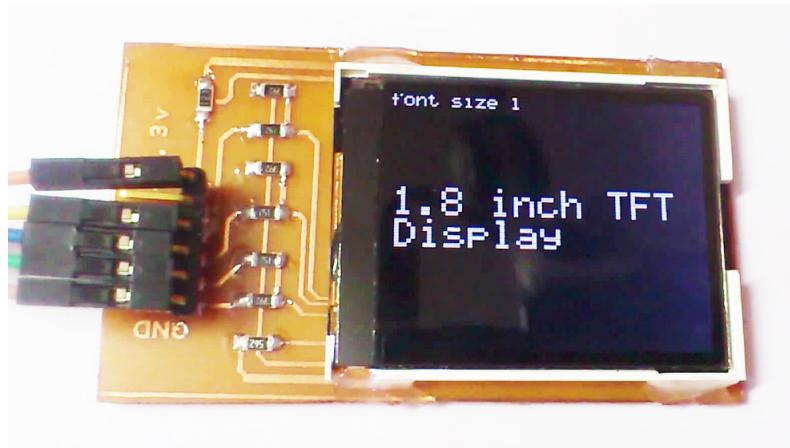
Connect "Data" to arduino Pin 11

Connect "Clock" to arduino Pin 13

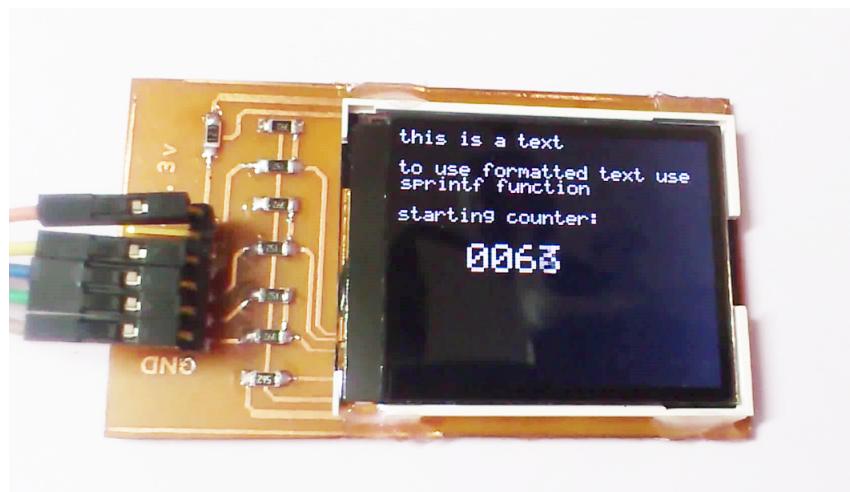
### 3 Library examples

The source code is optimized for atmega328 based arduino.  
See the "functions" file for all the source codes and functions.

- Text

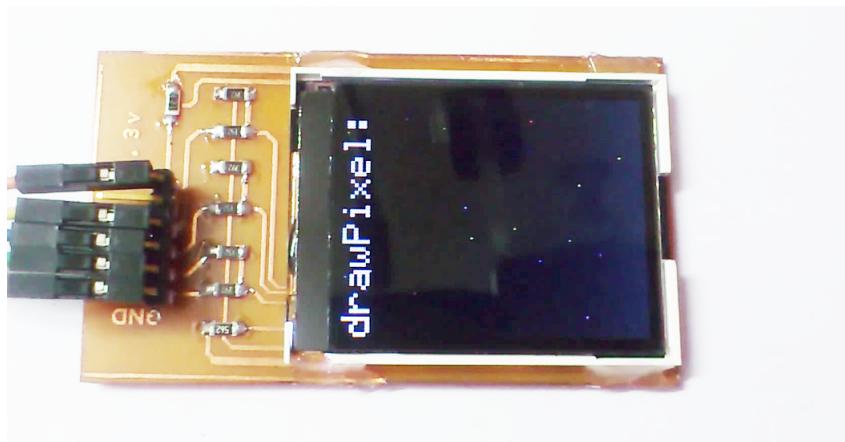


- Font sizes

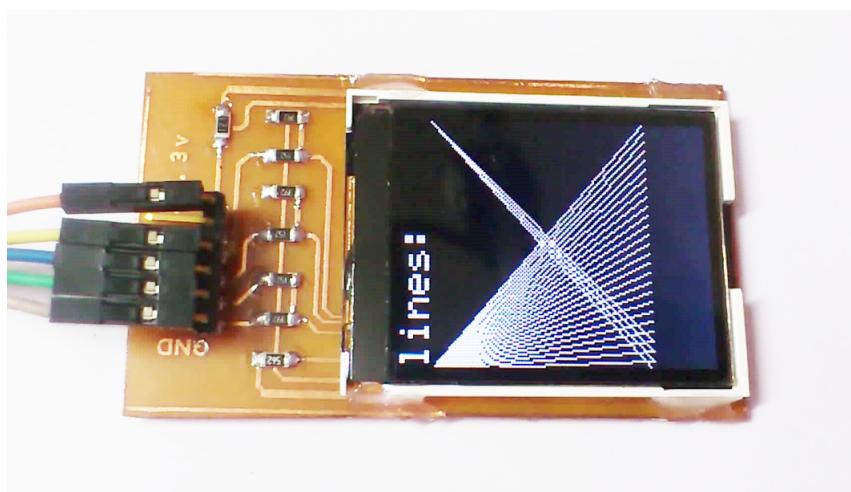


The little ones on the top are font size 1 and the number is font size 2

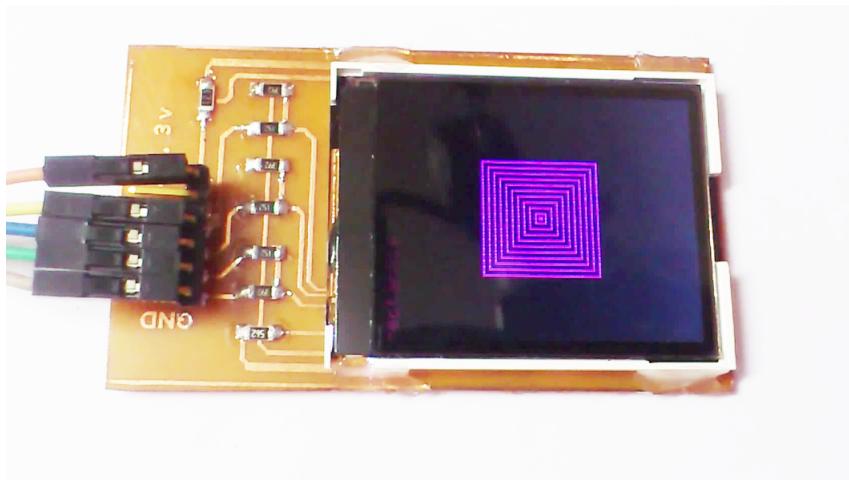
- Pixels



- Line



- Rectangle



- Circle



- Rounded rectangle

