

User Manual
For
2.8" TFT Touch Shield for Arduino with
Resistive Touch Screen (TF028)



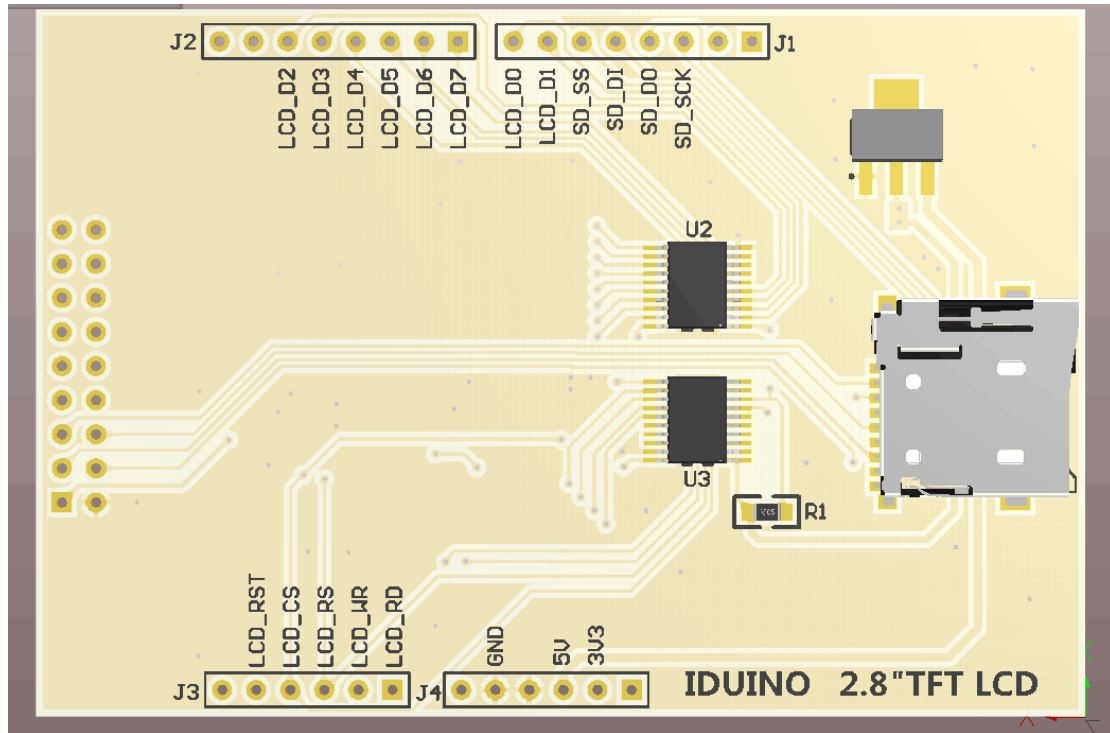
Description:

This 2.8" TFT Touchscreen is designed to suitable for Arduino UNO/Mega2560. It can directly plug into the UNO/Mega2560 board without any wiring and soldering. Library is compatible with Adafruit TFT touchscreen shield, which is easy to use. It has way more resolution than a black and white 128x64 display. As a bonus, this display has a resistive touchscreen attached to it already, so you can detect finger presses anywhere on the screen. 240x320 pixels with individual pixel control. Meanwhile, this module supports mini SD card to expand storage.

Specification:

- 2.8" diagonal LCD TFT display
- 240x320 resolution
- ILI9341 controller with built in video RAM buffer
- Works with any Arduino '328 or Mega
- 5V compatible! Use with 3.3V or 5V logic
- With white LED backlight.
- Support Mini SD card extension
- Size: 78*52*16mm
- Weight: 38g

Pinout



PIN	Description
LCD_RST	LCD Reset pin
LCD_CS	LCD Chip select
LCD_RS	LCD Register select
LCD_WR	LCD Write
LCD_RD	LCD Read
GND	Ground
5V	5V
3V3	3.3V
LCD_D0	LCD data bit 0
LCD_D1	LCD data bit 1
LCD_D2	LCD data bit 2
LCD_D3	LCD data bit 3
LCD_D4	LCD data bit 4
LCD_D5	LCD data bit 5
LCD_D6	LCD data bit 6
LCD_D7	LCD data bit 7

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SD_SS	SD card	Slave select
SD_DI	SD card	Serial data In
SD_DO	SD card	Serial data Out
SD_SCK	SD card	Serial clock

Example

The Library contains different examples. Please download the library from:
<https://github.com/adafruit/Adafruit-GFX-Library/archive/master.zip>

Reference

<https://learn.adafruit.com/arduino-o-phone-arduino-powered-diy-cellphone>