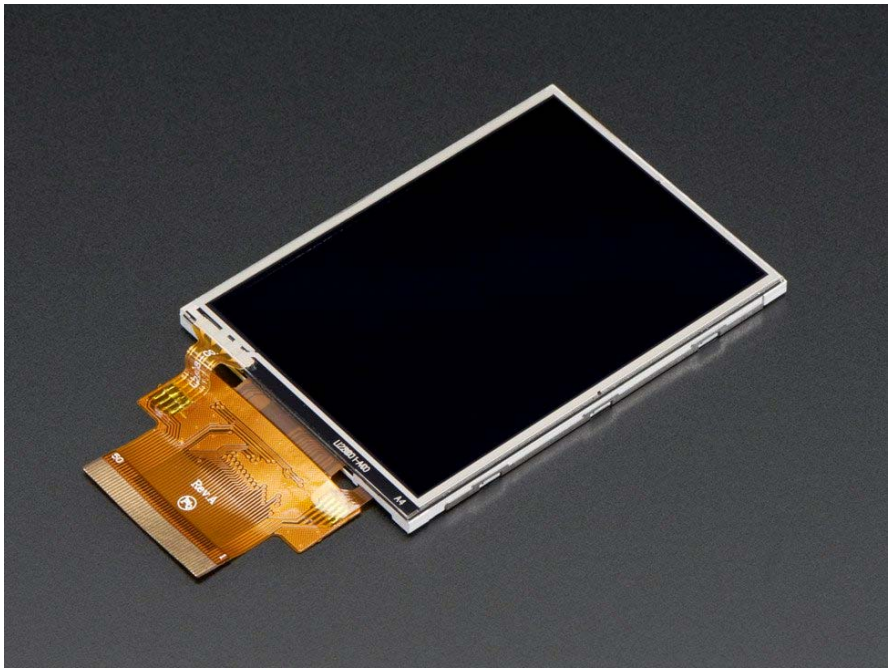


2.8" TFT Display with Resistive Touchscreen

PRODUCT ID: 1774

This is a screen for advanced hackers who like the look of the TFT screen we've put into the PiTFT, TFT shield v2 and 2.8" TFT breakout. This display has 320x240 pixels and is driven with the ILI9341 chipset. This is just the display module! No PCB is included! You can talk to this chip with SPI (4 or 3 wire), 8 bit parallel, or 16 bit parallel. It also can be put into "dot clock mode" for raw TTL signal in but we have never done this ourselves so there's no example code for that.

We're selling this module bare for those who want to integrate it into their own project. If this is your first time working with this TFT we suggest our breakout board which makes it easy to use SPI or 8-bit interfacing and also has mounting holes, level shifting, etc.. Otherwise you can pick up one of our 50-pin FPC breakouts and an 50-pin FPC connector and solder it up by hand. For the TFT command set, the data sheet is very complete, but we also have some Arduino code you can refer to here to get started

A 50 pin, 0.5mm pitch, top-contact FPC connector is required to connect to this screen. We show one in the photos but it is not included! You cannot solder this connector directly to a PCB - a matching connector is required, you can pick one up here.

The resistive touch screen is a classic 'analog' touch screen which requires either a micro controller with analog inputs OR the use of a touch screen controller such as this one

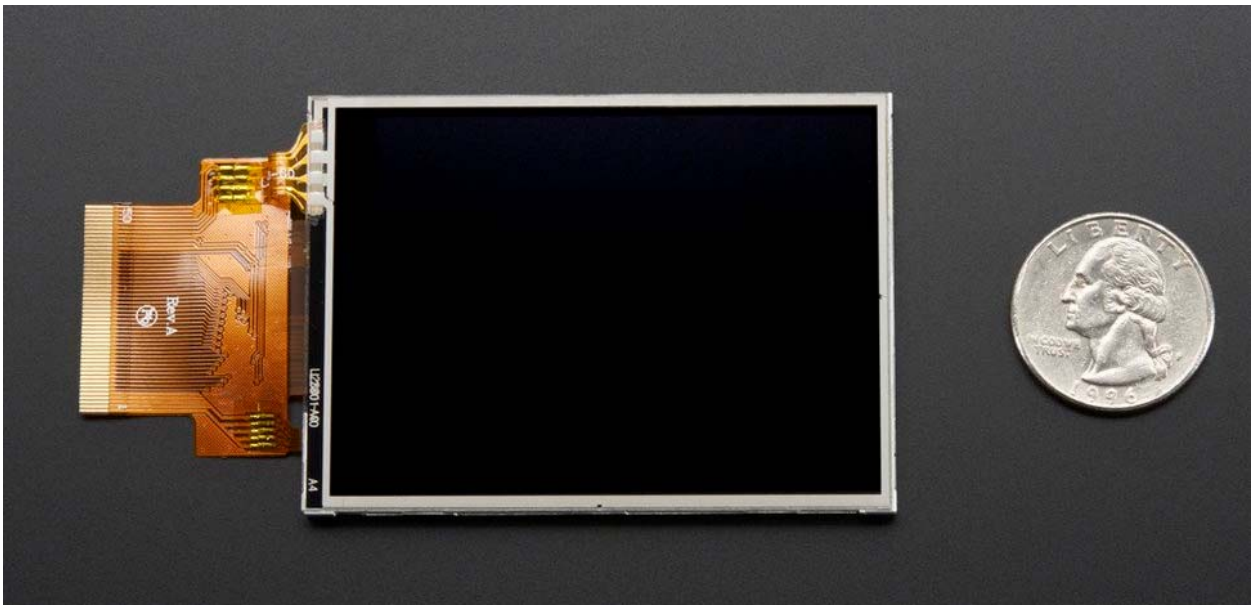
TECHNICAL DETAILS

- 2.8" diagonal LCD TFT display datasheet 240x320 resolution, 18-bit (262,000) color capable - our code uses only 16-bits since its faster.
- ILI9341 (datasheet) controller with built in video RAM buffer
- Adafruit ILI9341 SPI library
- 8-bit RGB TFT Library (not as well supported, most uses prefer SPI)

Dimensions:

- 69mm x 50mm x 4mm / 2.7" x 2" x 0.2"
- Weight: 24g

RoHS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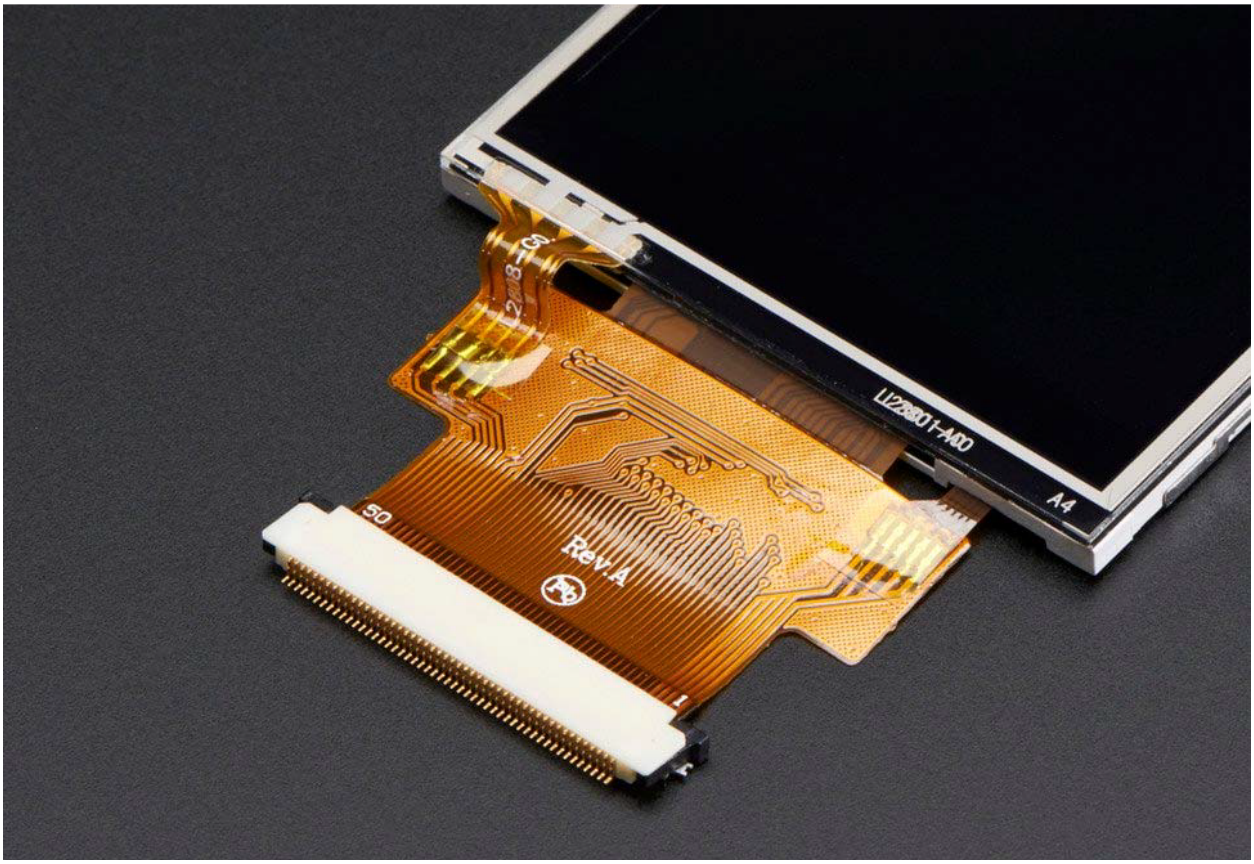
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