DESCRIPTION & FEATURES

This TFT display is big (3.5" diagonal) bright (6 white-LED backlight) and colorful! 480x320 pixels with individual RGB pixel control, this has way more resolution than a black and white 128x64 display, and double our 2.8" TFT. As a bonus, this display has a resistive touchscreen attached to it already, so you can detect finger presses anywhere on the screen.

This display has a controller built into it with RAM buffering, so that almost no work is done by our PLC. The display can be used in two modes: 8-bit or SPI.

For 8-bit mode, you'll need 8 digital data lines and 4 or 5 digital control lines to read and write to the display (12 lines total). SPI mode requires only 5 pins total (SPI data in, data out, clock, select, and d/c) but is slower than 8-bit mode.

HEMKUNT electronics specializes in customizing designs to specific customer needs for a wide range of applications. Please feel free contact us to provide the optimal solution for your specific needs.

TECHNICAL DETAILS & FEATURES

3.5" diagonal LCD TFT display

320x480 resolution, 18-bit (262,000) color capable - our code uses only 16-bits since its faster.

HXD8357D (datasheet) controller with built in video RAM buffer

5V compatible!

Onboard 3.3V @ 150mA LDO regulator

6 white LED backlight with DC/DC constant-current boost. You can PWM dim the backlight

4-wire resistive touchscreen

Dimensions:

Screen: 56mm x 85mm x 4mm / 2.2" x 3.4" x 0.2"

PCB: 56mm x 97mm x 2mm / 2.2" x 3.8" x 0.1"

Weight: 52g

HEMKUNT ELECTRONICS

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