

ILI9341 TFT SPI library

based on UTFT.cpp - Arduino/chipKit library
support for Color TFT LCD Boards
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Compatible with other UTFT libraries.

Original library you can find at <http://electronics.henningkarlsen.com/>

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modify it under the terms of the CC BY-NC-SA 3.0 license.

Please see the included documents for further information.

Pinout:

(Arduino UNO -> 4050 level shifter -> TFT)

4050 pin 1 -> 3.3V, pin 8 GND

TFT GND -> GND

TFT VCC -> 3.3V

Arduino D4 -> 4050 pin 3: 4050 pin 2 -> TFT
RESET

Arduino D5 -> 4050 pin 5: 4050 pin 4 -> TFT
CS

Arduino D6 -> 4050 pin 6: 4050 pin 6 -> TFT D/

C

Arduino D7 -> TFT LED

Arduino D11 -> 4050 pin 9: 4050 pin 10 -> TFT

MOSI

Arduino D12 -> TFT MISO

Arduino D13 -> 4050 pin 11: 4050 pin 12 -> TFT

SCK

(Arduino MEGA -> 4050 level shifter -> TFT)

Arduino D4 -> 4050 pin 3: 4050 pin 2 -> TFT

RESET

Arduino D5 -> 4050 pin 5: 4050 pin 4 -> TFT

CS

Arduino D6 -> 4050 pin 6: 4050 pin 6 -> TFT D/

C

Arduino D7 -> TFT LED

Arduino D51 -> 4050 pin 9: 4050 pin 10 -> TFT

MOSI

Arduino D50 -> TFT MISO

Arduino D52 -> 4050 pin 11: 4050 pin 12 -> TFT

SCK

Change notes:

1.0 - initial version

1.1 (16.8.14) - performance improvements

1.2 (5.1.15) - added function setRotation

setRotation - allow rotate display (0=landscape,
1=portrait, 2 = landscape, 3=portrait)
- comment out #define FASTSPI
in UTFT.h when use ethernet shield
- removed readID() from display
init