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	Tên	Ngày sửa đổi	Loại	Kích cỡ	
<div>Nhà</div> <div>Bộ sưu tập</div> <div>Khánh - Cá nhân</div> <div>Tải xuống</div> <div>Google Drive (G:)</div> <div>03 (E:)</div> <div>ShareArduino</div> <div>DeepLearning</div> <div>test</div> <div>espnow_tkinter</div> <div>PC này</div> <div>01 (C:)</div> <div>02 (D:)</div> <div>03 (E:)</div> <div>04 (F:)</div> <div>Google Drive (G:)</div> <div>Mạng</div>	docs	04/09/2024 11:00 CH	Thư mục tệp		
	examples	04/09/2024 11:00 CH	Thư mục tệp		
	Extensions	04/09/2024 11:00 CH	Thư mục tệp		
	Fonts	04/09/2024 11:00 CH	Thư mục tệp		
	Processors	04/09/2024 11:00 CH	Thư mục tệp		
	TFT_Drivers	04/09/2024 11:00 CH	Thư mục tệp		
	Tools	04/09/2024 11:00 CH	Thư mục tệp		
	User_Setups	04/09/2024 11:00 CH	Thư mục tệp		
	CMakeLists	02/04/2024 7:22 CH	Tài liệu văn bản	1 KB	
	Kconfig	02/04/2024 7:22 CH	Tệp	13 KB	
	keywords	02/04/2024 7:22 CH	Tài liệu văn bản	4 KB	
	library	02/04/2024 7:22 CH	Tệp JSON	1 KB	
	library	02/04/2024 7:22 CH	Properties Source ...	1 KB	
	license	02/04/2024 7:22 CH	Tài liệu văn bản	7 KB	
	README	02/04/2024 7:22 CH	Markdown Source...	20 KB	
	README	02/04/2024 7:22 CH	Tài liệu văn bản	1 KB	
	TFT_config	02/04/2024 7:22 CH	C Header Source F...	10 KB	
	TFT_eSPI.cpp	02/04/2024 7:22 CH	Tệp CPP	192 KB	
	TFT_eSPI	02/04/2024 7:22 CH	C Header Source F...	47 KB	
	User_Setup	12/08/2024 10:04 CH	C Header Source F...	19 KB	
	User_Setup_Select	28/04/2024 1:31 CH	C Header Source F...	18 KB	

1 Chọn driver,kích thước màn hình và cài đặt chân SPI

User_Setup.h X

D: > Arduino > libraries > TFT_eSPI > C User_Setup.h

43

44 // Only define one driver, the other ones must be commented out

45 // #define ILI9341_DRIVER // Generic driver for common displays

46 // #define ILI9341_2_DRIVER // Alternative ILI9341 driver, see https://github.com/Bodmer/TFT_eSPI/issues/1172

47 // #define ST7735_DRIVER // Define additional parameters below for this display

48 // #define ILI9163_DRIVER // Define additional parameters below for this display

49 // #define S6D02A1_DRIVER

50 // #define RPI_ILI9486_DRIVER // 28MHz maximum SPI

51 // #define HX8357D_DRIVER

52 // #define ILI9481_DRIVER

53 // #define ILI9486_DRIVER

54 // #define ILI9488_DRIVER // WARNING: Do not connect ILI9488 display SDO to MISO if other devices share the SPI bus (TFT SDO does NOT tristate when CS is high)

55 #define ST7789_DRIVER // Full configuration option, define additional parameters below for this display

56 // #define ST7789_2_DRIVER // Minimal configuration option, define additional parameters below for this display

57 // #define R61581_DRIVER

58 // #define RM68140_DRIVER

59 // #define ST7796_DRIVER

60 // #define SSD1351_DRIVER

61 // #define SSD1963_480_DRIVER

62 // #define SSD1963_800_DRIVER

63 // #define SSD1963_800ALT_DRIVER

64 // #define ILI9225_DRIVER

65 // #define GC9A01_DRIVER

66

User_Setup.h X

D: > Arduino > libraries > TFT_eSPI > C User_Setup.h

83 // For ST7789, ST7735, ILI9163 and GC9A01 ONLY, define the pixel width and height in portrait orientation

84 // #define TFT_WIDTH 80

85 // #define TFT_WIDTH 128

86 // #define TFT_WIDTH 172 // ST7789 172 x 320

87 // #define TFT_WIDTH 170 // ST7789 170 x 320

88 #define TFT_WIDTH 240 // ST7789 240 x 240 and 240 x 320

89 // #define TFT_HEIGHT 160

90 // #define TFT_HEIGHT 128

91 // #define TFT_HEIGHT 240 // ST7789 240 x 240

92 #define TFT_HEIGHT 240 // ST7789 240 x 320

93 // #define TFT_HEIGHT 240 // GC9A01 240 x 240

```
C User_Setup.h X
D:\> Arduino > libraries > TFT_eSPI > C User_Setup.h
209 // For ESP32 Dev board (only tested with ILI9341 display)
210 // The hardware SPI can be mapped to any pins
211
212 #define TFT_MISO 13//
213 #define TFT_MOSI 11
214 #define TFT_SCLK 12
215 #define TFT_CS 10 // Chip select control pin
216 #define TFT_DC 5 // Data Command control pin
217 #define TFT_RST 4 // Reset pin (could connect to RST pin)
218 // Set TFT_RST to -1 if display RESET is connected to ESP32 board RST
219
220 // For ESP32 Dev board (only tested with GC9A01 display)
221 // The hardware SPI can be mapped to any pins
```

Dòng 45-65 là chọn driver của màn hình mà bạn đang dùng(k biết thì tra gg thôn tin màn hình)

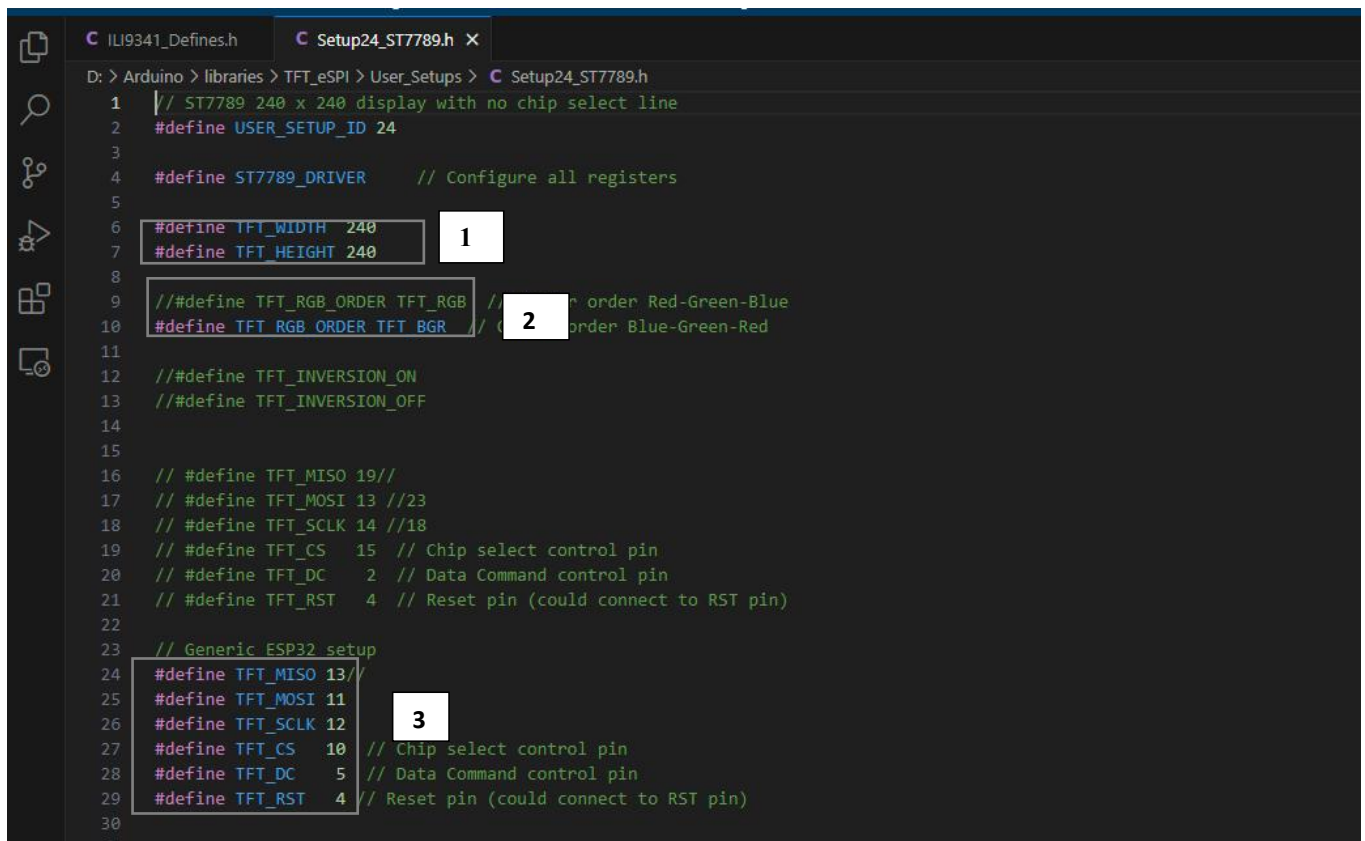
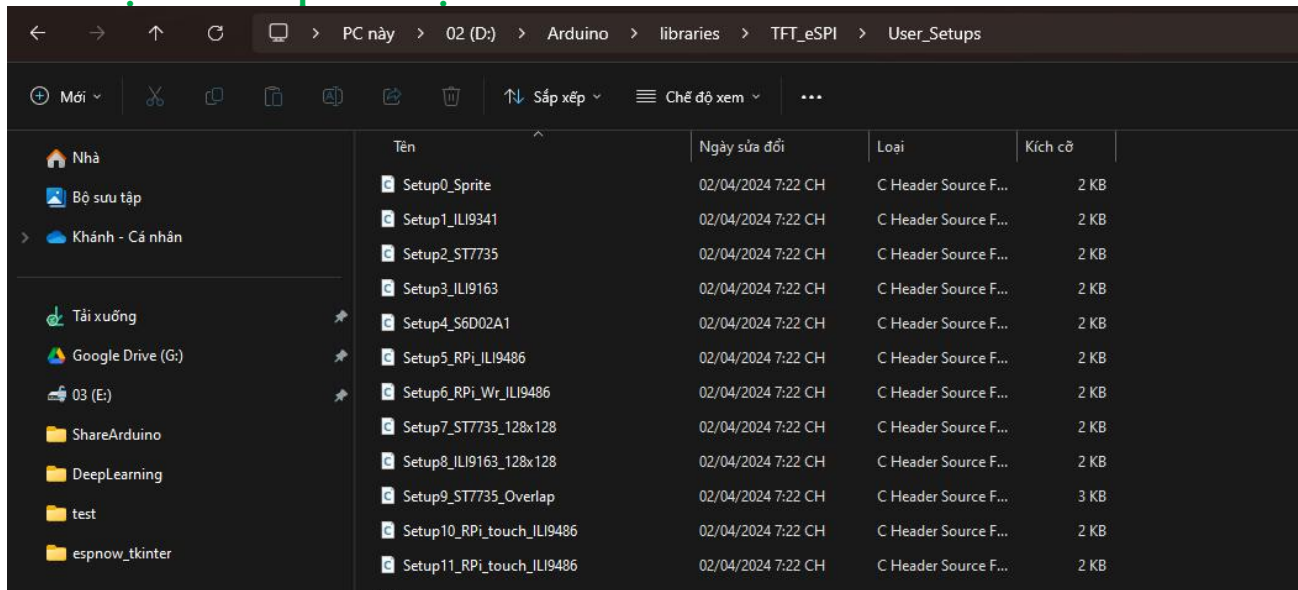
Dòng 84-94 là chọn thông tin chiều dài và rộng của màn hình(có thể sửa lại theo kích thước thực tế đang dùng)

Dòng 211-219 là cài đặt chân cho giao tiếp SPI của vi điều khiển với màn hình TFT(tra “pin SPI” của vi điều khiển trên gg nếu không biết)

2 Chọn cấu hình đang dùng(hoặc tương đương cũng dùng được)

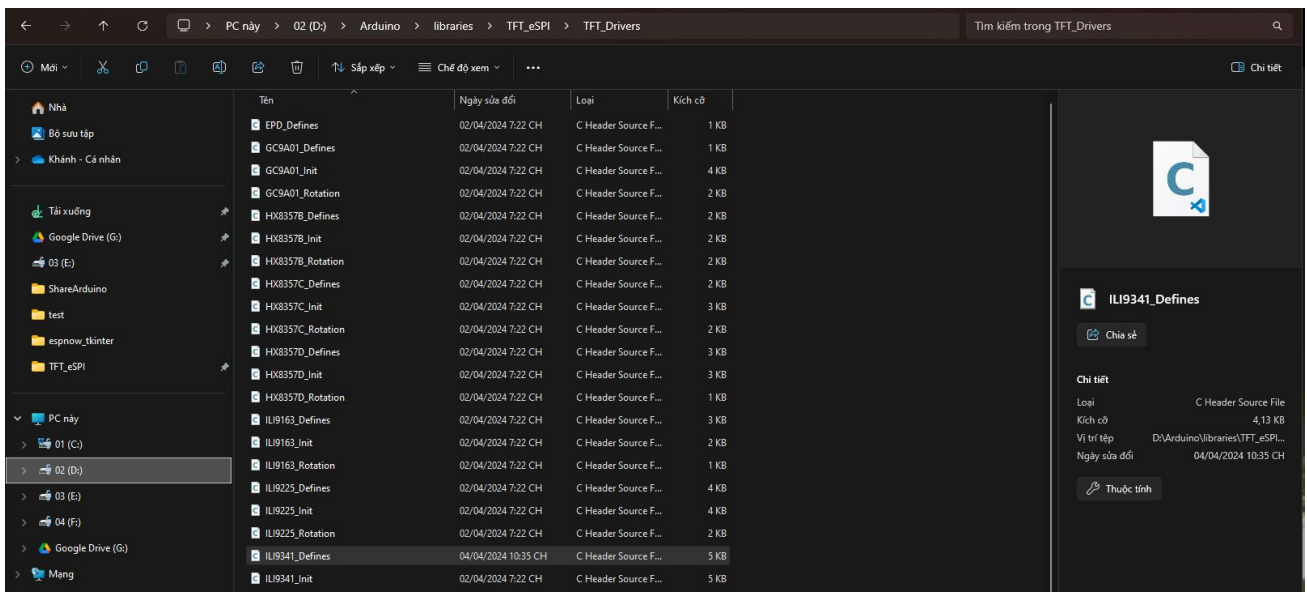
```
C User_Setup.h C User_Setup_Select.h X
D:\> Arduino > libraries > TFT_eSPI > C User_Setup_Select.h
25 // Only ONE line below should be uncommented to define your setup. Add extra lines and files as needed.
26
27 #include <User_Setup.h> // Default setup is root library folder
28
29 // #include <User_Setups/Setup1_ILI9341.h> // Setup file for ESP8266 configured for my ILI9341
30 // #include <User_Setups/Setup2_ST7735.h> // Setup file for ESP8266 configured for my ST7735
31 // #include <User_Setups/Setup3_ILI9163.h> // Setup file for ESP8266 configured for my ILI9163
32 // #include <User_Setups/Setup4_S6D02A1.h> // Setup file for ESP8266 configured for my S6D02A1
33 // #include <User_Setups/Setup5_RPi_ILI9486.h> // Setup file for ESP8266 configured for my stock RPi TFT
34 // #include <User_Setups/Setup6_RPi_Wr_ILI9486.h> // Setup file for ESP8266 configured for my modified RPi TFT
35 // #include <User_Setups/Setup7_ST7735_128x128.h> // Setup file for ESP8266 configured for my ST7735 128x128 display
36 // #include <User_Setups/Setup8_ILI9163_128x128.h> // Setup file for ESP8266 configured for my ILI9163 128x128 display
37 // #include <User_Setups/Setup9_ST7735_Overlap.h> // Setup file for ESP8266 configured for my ST7735
38 // #include <User_Setups/Setup10_RPi_touch_ILI9486.h> // Setup file for ESP8266 configured for ESP8266 and RPi TFT with touch
39
40 // #include <User_Setups/Setup11_RPi_touch_ILI9486.h> // Setup file configured for ESP32 and RPi TFT with touch
41 // #include <User_Setups/Setup12_M5Stack_Basic_Core.h> // Setup file for the ESP32 based M5Stack (Basic Core only)
42 // #include <User_Setups/Setup13_ILI9481_Parallel.h> // Setup file for the ESP32 with parallel bus TFT
43 // #include <User_Setups/Setup14_ILI9341_Parallel.h> // Setup file for the ESP32 with parallel bus TFT
44 // #include <User_Setups/Setup15_HX8357D.h> // Setup file for ESP8266 configured for HX8357D
45 // #include <User_Setups/Setup16_ILI9488_Parallel.h> // Setup file for the ESP32 with parallel bus TFT
46 // #include <User_Setups/Setup17_ePaper.h> // Setup file for ESP8266 and any Waveshare ePaper display
47 // #include <User_Setups/Setup18_ST7789.h> // Setup file for ESP8266 configured for ST7789
48
49 // #include <User_Setups/Setup19_RM68140_Parallel.h> // Setup file configured for RM68140 with parallel bus
50
51 // #include <User_Setups/Setup20_ILI9488.h> // Setup file for ESP8266 and ILI9488 SPI bus TFT
52 // #include <User_Setups/Setup21_ILI9488.h> // Setup file for ESP32 and ILI9488 SPI bus TFT
53
54 // #include <User_Setups/Setup22_TTGO_T4.h> // Setup file for ESP32 and TTGO T4 version 1.2
55 // #include <User_Setups/Setup22_TTGO_T4_v1.3.h> // Setup file for ESP32 and TTGO T4 version 1.3
56 // #include <User_Setups/Setup23_TTGO_TM.h> // Setup file for ESP32 and TTGO TM ST7789 SPI bus TFT
57 // #include <User_Setups/Setup24_ST7789.h> // Setup file for DSTIKE/ESP32/ESP8266 configured for ST7789 240 x 240
58 // #include <User_Setups/Setup25_TTGO_T_Display.h> // Setup file for ESP32 and TTGO T-Display ST7789V SPI bus TFT
59 // #include <User_Setups/Setup26_TTGO_T_Wristband.h> // Setup file for ESP32 and TTGO T-Wristband ST7735 SPI bus TFT
60
61 // #include <User_Setups/Setup27_RPi_ST7796_ESP32.h> // ESP32 RPi MHS-4.0 inch Display-B
62 // #include <User_Setups/Setup28_RPi_ST7796_ESP8266.h> // ESP8266 RPi MHS-4.0 inch Display-B
63
64 // #include <User_Setups/Setup29_ILI9341_STM32.h> // Setup for Nucleo board
65 // #include <User_Setups/Setup30_ILI9341_Parallel_STM32.h> // Setup for Nucleo board and parallel display
66 // #include <User_Setups/Setup31_ST7796_Parallel_STM32.h> // Setup for Nucleo board and parallel display
67 // #include <User_Setups/Setup32_ILI9341_STM32F103.h> // Setup for "Blue/Black Pill"
68
69 // #include <User_Setups/Setup33_RPi_ILI9486_STM32.h> // Setup for Nucleo board
70
71 // #include <User_Setups/Setup34_ILI9481_Parallel_STM32.h> // Setup for Nucleo board and parallel display
72 // #include <User_Setups/Setup35_ILI9341_STM32_Port_Bus.h> // Setup for STM32 port A parallel display
```


3 Cài đặt file SetUp vừa chọn ở trên



1. Kích thước màn hình(như phần 1)
2. Chọn lại nếu bị ngược màu
3. Cài đặt chân SPI (như phần 1)

4 cài đặt chiều màn hình chỉ khi cần thiết



Chọn file tương ứng với driver

