Part1:

Wire your TFT to your Nucleo-F446RE board as shown below.
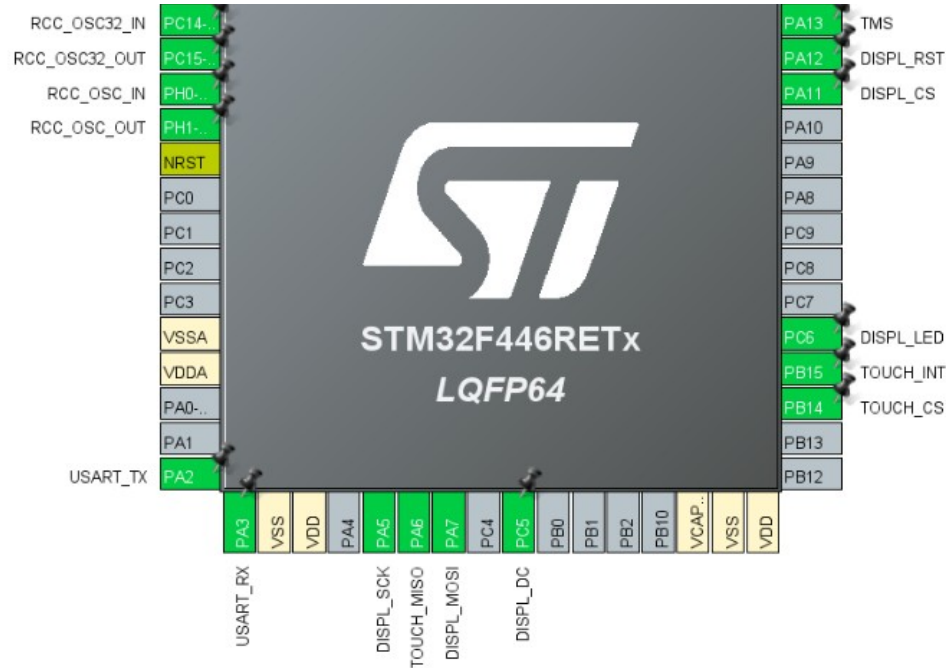
SCREEN

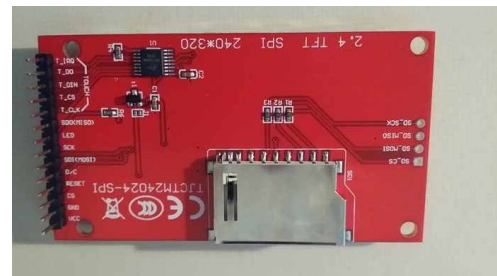|			
VCC	3.3V		
GND	GND		
CS	PA11	GPIO_Output	DISPL_CS
RESET	PA12	GPIO_Output	DISPL_RST
D/C	PC5	GPIO_Output	DISPL_DC
SDO(MOSI)	PA7	SPI1_MOSI	DISPL_MOSI
SCK	PA5	SPI1_SCK	DISPL_SCK
LED	PC6	GPIO_Output	DISPL_LED

TOUCH

T_CLK	PA5	SPI1_SCK	DISPL_SCK
T_CS	PB14	GPIO_Output	TOUCH_CS
T_DIN	PA7	SPI1_MOSI	DISPL_MOSI
T_DO	PA6	SPI1_MISO	TOUCH_MISO
T_IRQ	PB15	GPIO_EXTI15	TOUCH_INT
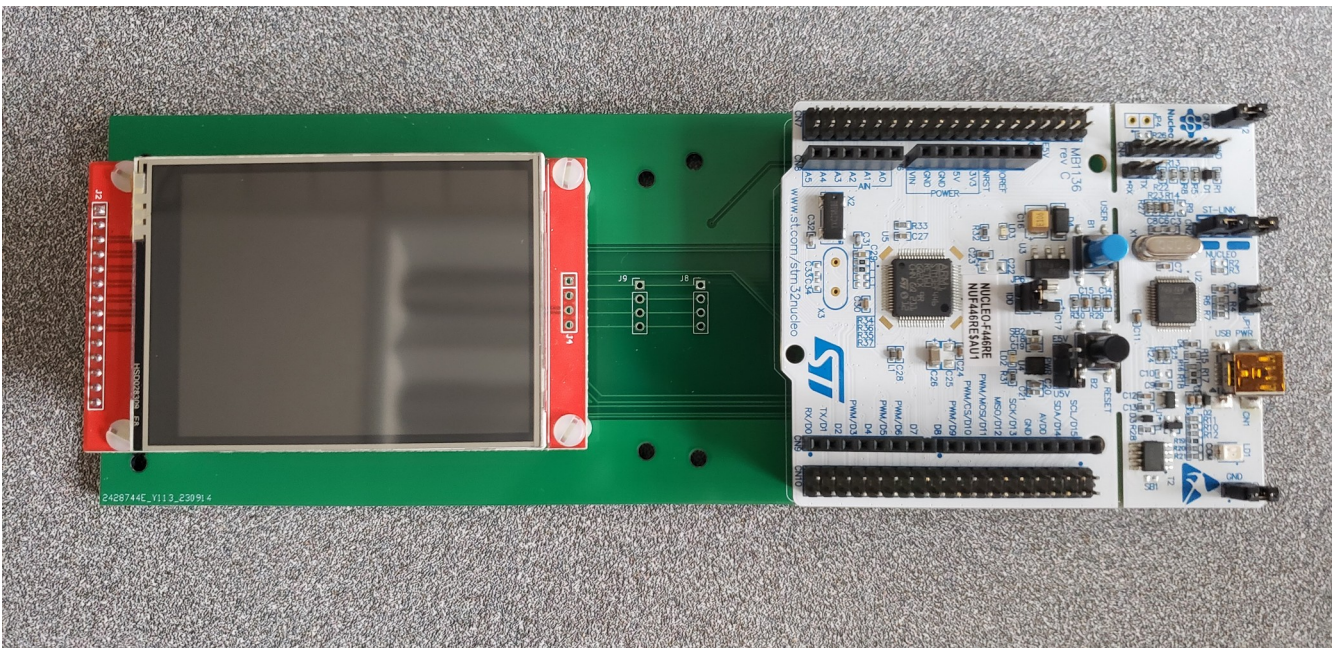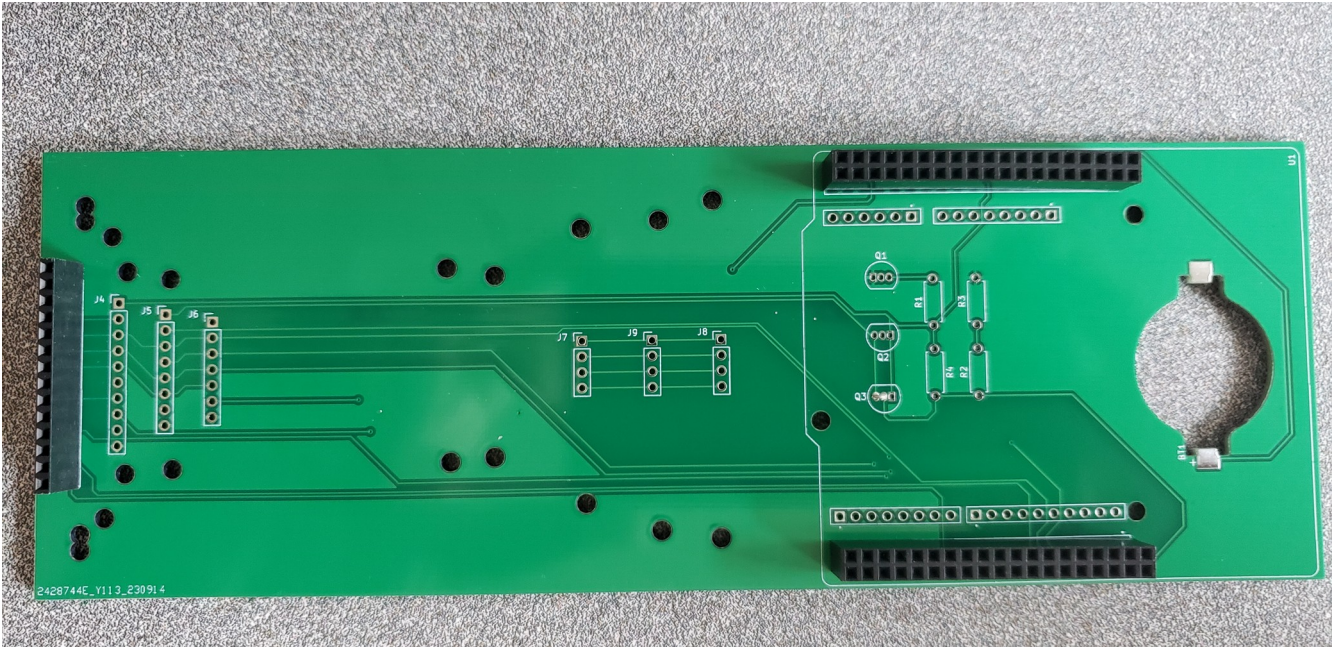
LAB6 - TFT

Part2:

Add the following TFT driver from Mauro De Vecchi and configure it for your project:

https://github.com/meldundas/ILI9XXX-XPT2046-STM32

Configure it in TouchGFX – full mode.

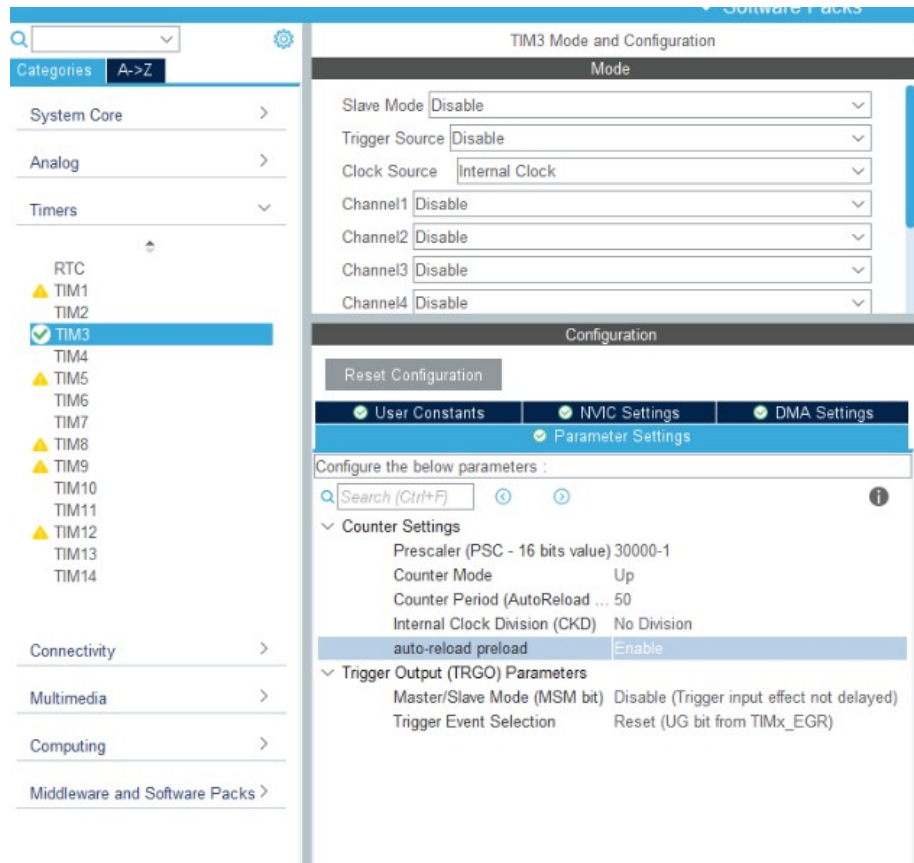**Part3:**

Add and Configure the TouchGFX library
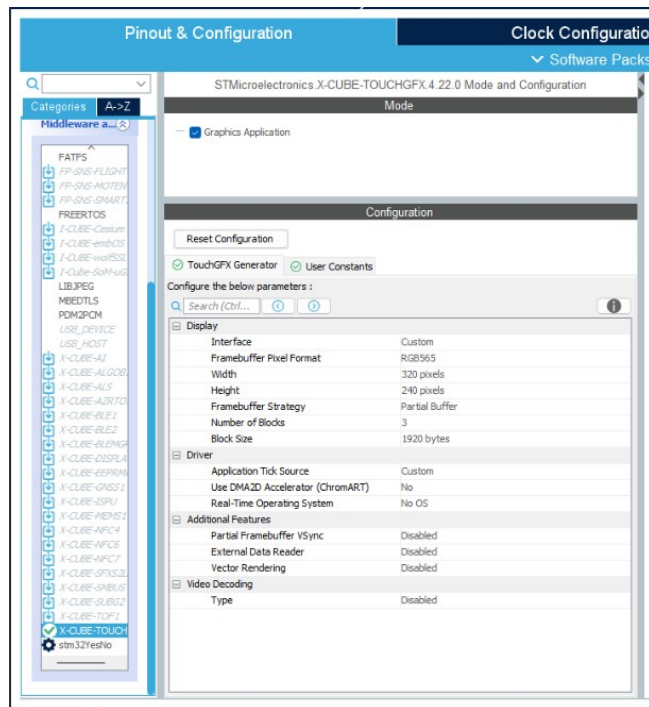
Setup timer 3 for 60 frames/sec refresh.

In TouchGFX, add your name to the screen below the ECET260 in a different color.

By the start of Lab7, upload a picture of your TFT screen to the D2L assignments Lab6 folder.