LPC1769 DISPLAY UNIT
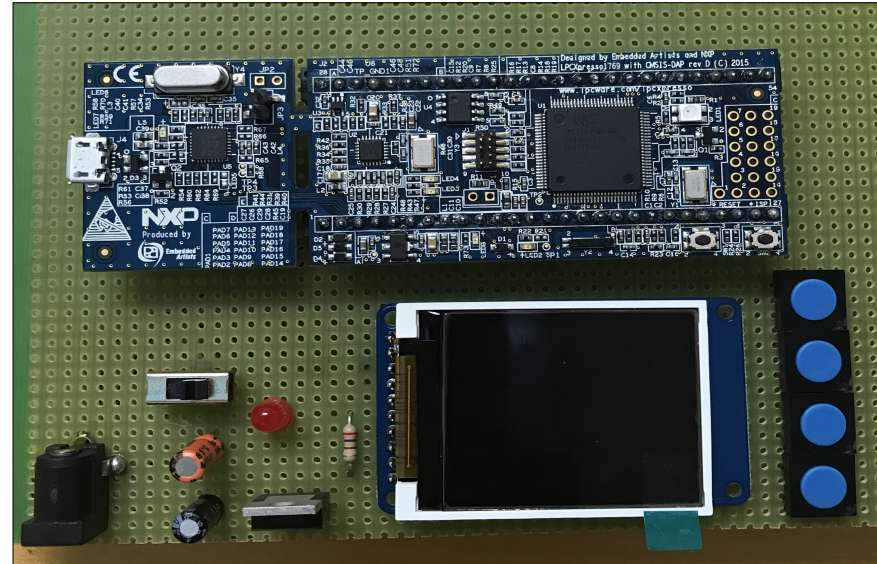
- LPC 1769
- Color TFT LCD display

Resolution : 128x160,
Pixel Depth: 18-bit (262,144) colors
Controller: ST7735
Interface: SPI interface

LCD Pins	LPC1769 Pins
Gnd	Gnd
VCC	VCC (3.3V)
RST	GPIO output (P0.22)
RS/DC	GPIO output (P0.21)
CARD_CS	X
TFT_CS	SSEL0 (P0.16)
MOSI	SSP0 MOSI (P0.18)
SCK	SCK0 (P0.15)
MISO	SSP0 MISO (P0.17)
LITE	VCC (3.3V)

Note from Harry Li: if for new SPI LCD module, use this pin connection

Note from Harry Li: for the class, ignore 4 button switch, just connect SPI LCD.

LPC-1769		LCD
Label	Pin	
MOSI	P 0.18	SDA
MISO	P0.17	MISO
SCK	P0.15	SCL
CS	P0.16	TFT_CS
GPIO-DC (Data / command)	P0.21	AO
GPIO-Reset	P0.22	RST
3.3V		LED+
GND		LED-

Reference: CTI One Corporation

TEST LCD DISPLAY

- Build Project Lcd_Test and check for any errors
- Debug Lcd_Test and run the program
- Fractal tree is drawn on the LCD display