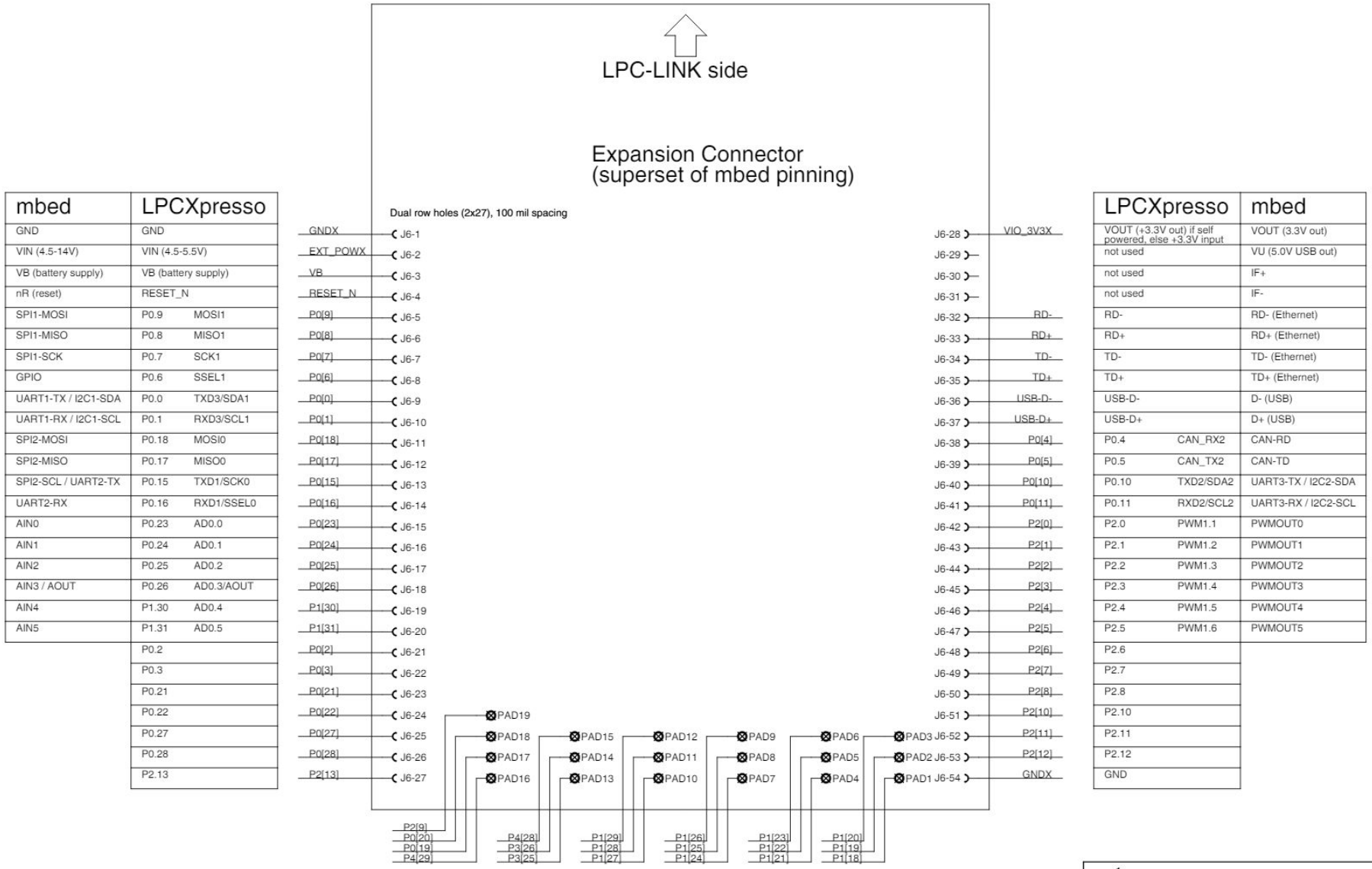

mbed	LPCXpresso	
GND	GND	
VIN (4.5-14V)	VIN (4.5-5.5V)	
VB (battery supply)	VB (battery supply)	
nR (reset)	RESET_N	
SPI1-MOSI	P0.9	MOSI1
SPI1-MISO	P0.8	MISO1
SPI1-SCK	P0.7	SCK1
GPIO	P0.6	SSEL1
UART1-TX / I2C1-SDA	P0.0	TXD3/SDA1
UART1-RX / I2C1-SCL	P0.1	RXD3/SCL1
SPI2-MOSI	P0.18	MOSI0
SPI2-MISO	P0.17	MISO0
SPI2-SCL / UART2-TX	P0.15	TXD1/SCK0
UART2-RX	P0.16	RXD1/SSEL0
AIN0	P0.23	AD0.0
AIN1	P0.24	AD0.1
AIN2	P0.25	AD0.2
AIN3 / AOUT	P0.26	AD0.3/AOUT
AIN4	P1.30	AD0.4
AIN5	P1.31	AD0.5
	P0.2	
	P0.3	
	P0.21	
	P0.22	
	P0.27	
	P0.28	
	P2.13	

LPCXpresso		mbed
VOUT (+3.3V out) if self powered, else +3.3V input		VOUT (3.3V out)
not used		VU (5.0V USB out)
not used		IF+
not used		IF-
RD-		RD- (Ethernet)
RD+		RD+ (Ethernet)
TD-		TD- (Ethernet)
TD+		TD+ (Ethernet)
USB-D-		D- (USB)
USB-D+		D+ (USB)
P0.4	CAN_RX2	CAN-RD
P0.5	CAN_TX2	CAN-TD
P0.10	TXD2/SDA2	UART3-TX / I2C2-SDA
P0.11	RXD2/SCL2	UART3-RX / I2C2-SCL
P2.0	PWM1.1	PWMOUT0
P2.1	PWM1.2	PWMOUT1
P2.2	PWM1.3	PWMOUT2
P2.3	PWM1.4	PWMOUT3
P2.4	PWM1.5	PWMOUT4
P2.5	PWM1.6	PWMOUT5
P2.6		
P2.7		
P2.8		
P2.10		
P2.11		
P2.12		
GND		

(C) Embedded Artists AB

TITLE: LPCXpresso LPC1769 rev B

Document Number:

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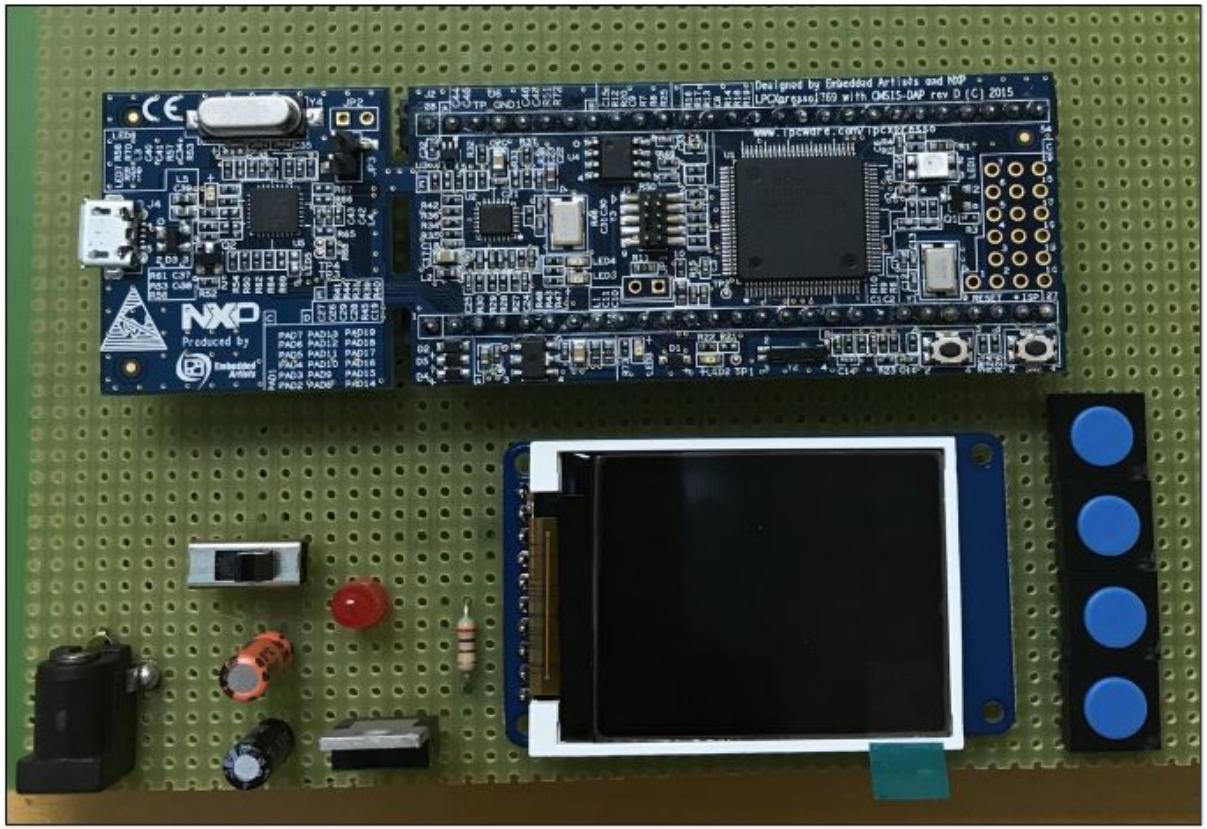
LPC1769 DISPLAY UNIT

- 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: for CMPE127 class, ignore 4 button switch, just connect SPI LCD.

Reference: CTI One Corporation