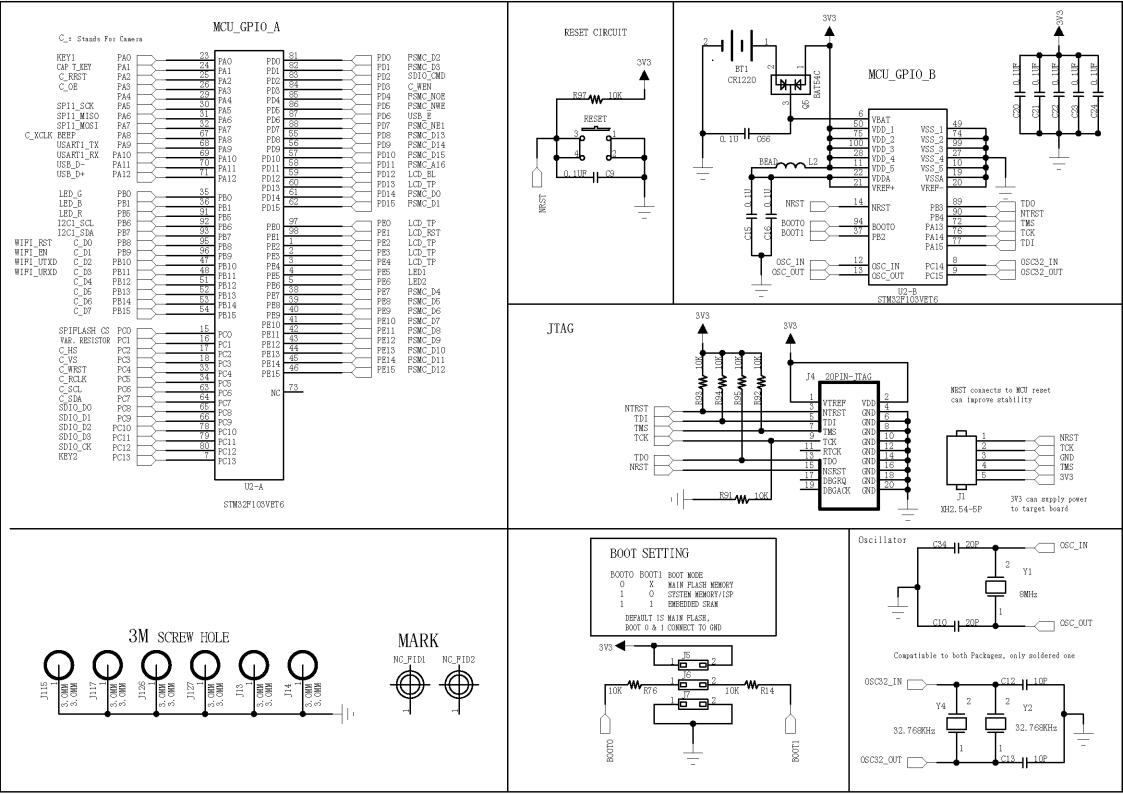
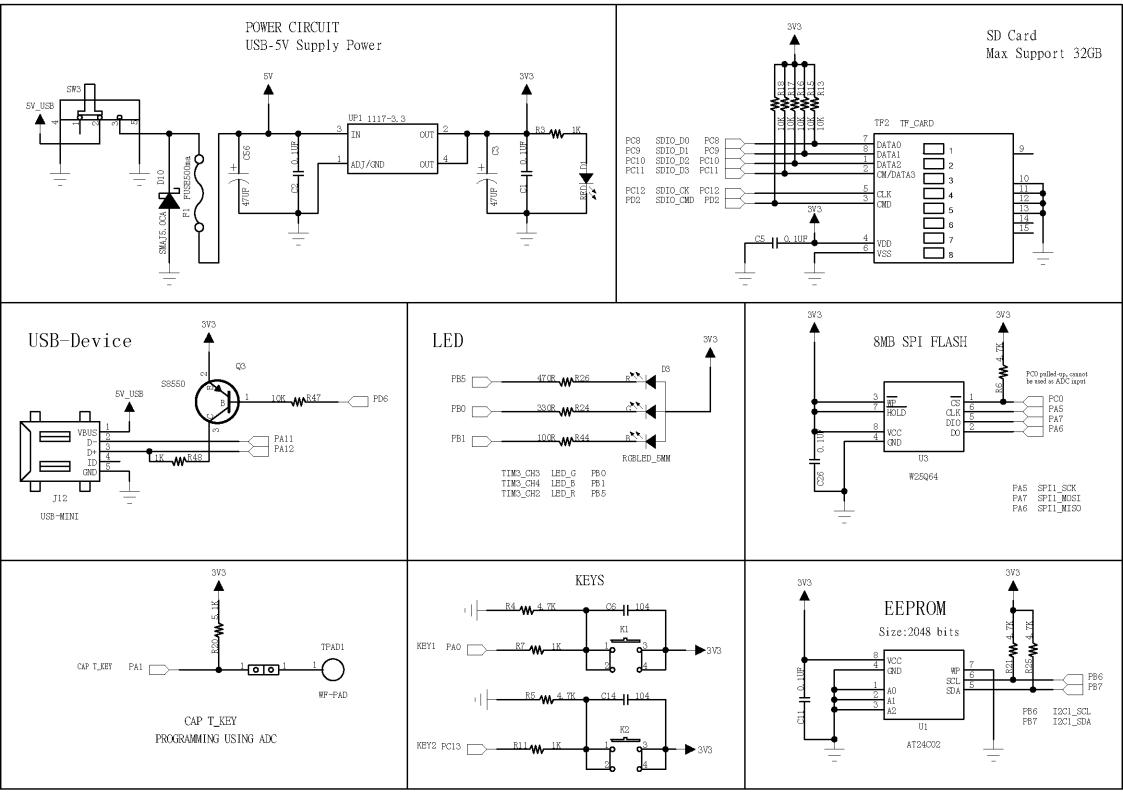
Port	Color Code
Α	
В	
С	
D	
E	

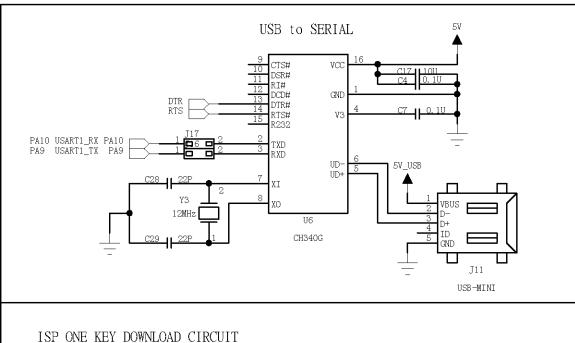
Function	Device	Port	Pin	Hardware Config
Button	KEY1	Α	0	External Pulled Low
Button	KEY2	С	13	External Pulled Low
		D	14	LCD data bus 0
		D	15	LCD data bus 1
		D	0	LCD data bus 2
		D	1	LCD data bus 3
		D	7	LCD data bus 4
		D	8	LCD data bus 5
		D	9	LCD data bus 6
	LCD Display	E	10	LCD data bus 7
		E	11	LCD data bus 8
		E	12	LCD data bus 9
		E	13	LCD data bus 10
		E	14	LCD data bus 11
		Е	15	LCD data bus 12
TFT		D	8	LCD data bus 13
		D	9	LCD data bus 14
		D	10	LCD data bus 15
		Е	1	LCD Reset
		D	12	LCD Backlight
		D	7	LCD ~Select
		D	4	LCD ~Output Enable
		D	5	LCD ~Write Enable
		D	11	LCD CMD or Data
	LCD Touch	Е	0	LCD Touch CLK
		E	3	LCD Touch Dout
		Е	2	LCD Touch Din
		D	13	LCD Touch Select
		E	4	LCD Touch IRQ

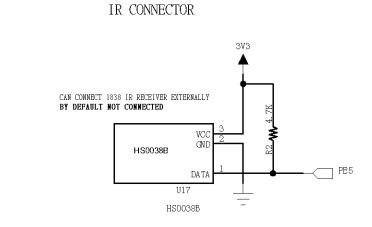
Function	Device	Port	Pin	Hardware Config
Color LED	LED R	В	0	active low
	LED G	В	1	active low
	LED B	В	5	active low
	SD D0	С	8	SD Card Data Bus 0
	SD D0	C	9	SD Card Data Bus 1
	SD D2	Č	10	SD Card Data Bus 2
SDIO	SD D3	Č	11	SD Card Data Bus 3
	SD CLK	Č	12	SD Card Clock
	SD CMD	D	2	SD Card Command
USB	USB-	Α	11	-
	USB+	Α	12	-
	USART1 TX	Α	9	
UART	_			-
	OOAKTI_KK	A	10	_
Buzzer	Buzzer	Α	8	-
		_		
IIC (EEPROM)				•
	I2C1 SDA	В	7	Open Drain
8MB Flash	SPI Flash CS	С	0	Pull Up Resistor
	SPI Flash CLK	A		-
	SPI Flash MOSI	Α		_
	SPI Flash MISO	Α	6	-
Buzzer	USART1_RX Buzzer I2C1 SCL I2C1 SDA SPI Flash CS SPI Flash CLK SPI Flash MOSI	A B B C A A	10 8 6 7 0 5 7	- Open Drain Open Drain Pull Up Resistor - - -

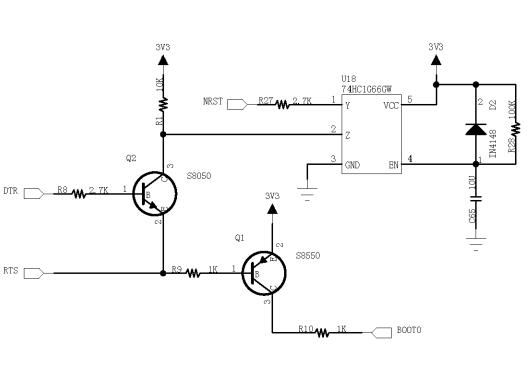
Function	Device	Port	Pin	Hardware Config
	Camera data bus 0	В	8	-
	Camera data bus 1	В	9	-
	Camera data bus 2	В	10	-
	Camera data bus 3	В	11	=
Ī	Camera data bus 4	В	12	-
Ī	Camera data bus 5	В	13	-
1	Camera data bus 6	В	14	-
1	Camera data bus 7	В	15	=
Camera	Camera control SCL	С	6	Open Drain
Camera	Camera control SDA	С	7	Open Drain
	Camera control HS	С	2	-
	Camera control VS	С	3	-
	Camera FIFO XCLK	Α	8	-
	Camera FIFO RCLK	С	5	-
	Camera FIFO RRST	Α	2	=
	Camera FIFO WRST	С	4	-
	Camera FIFO WEN	D	3	-
	Camera FIFO OEN	Α	3	=

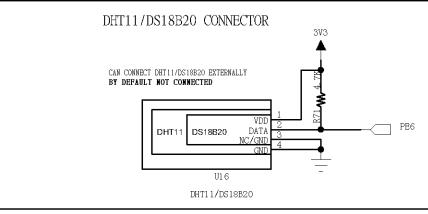


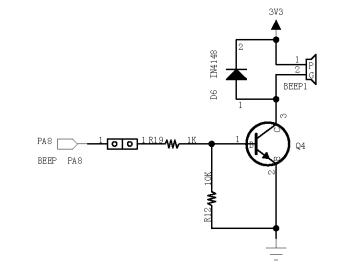








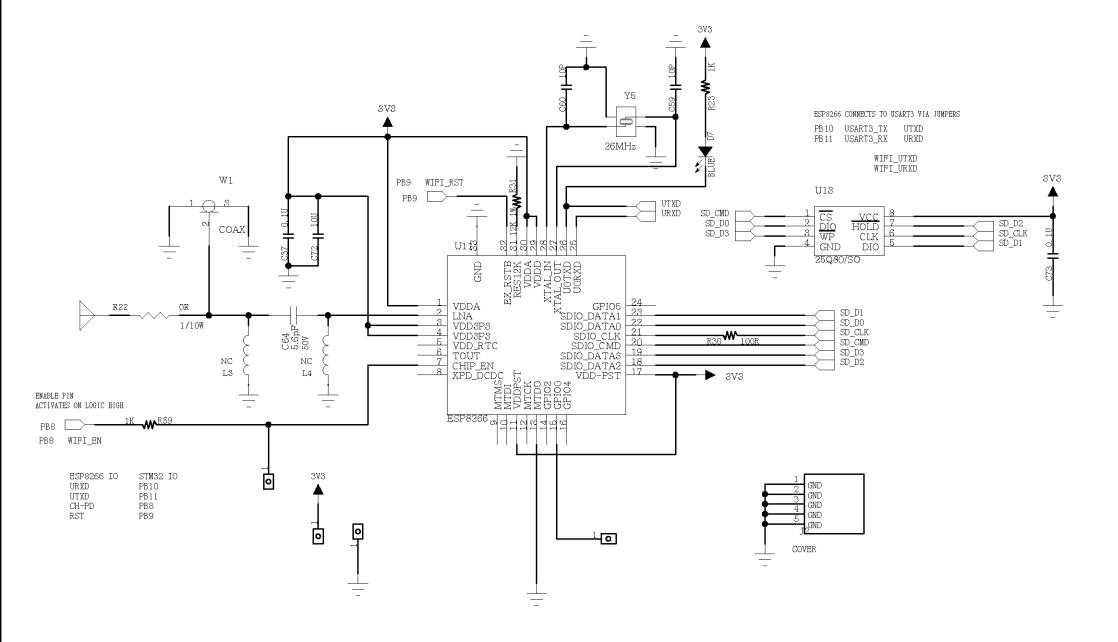


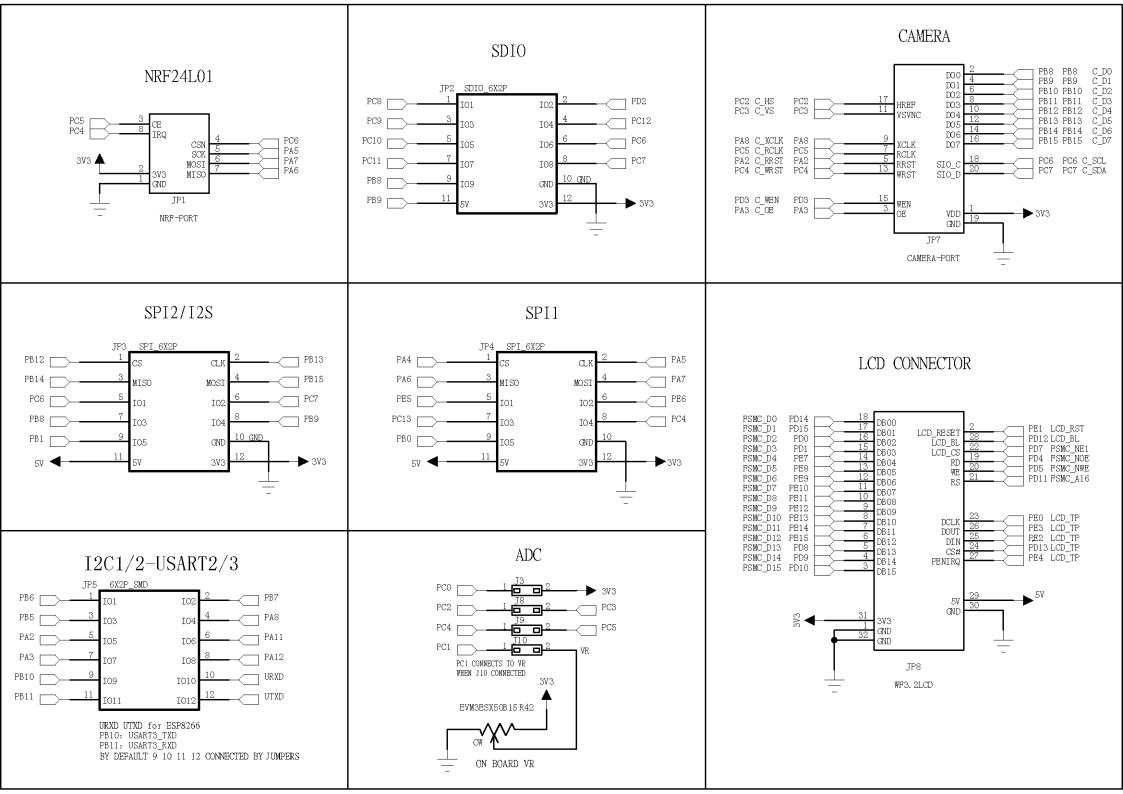


WIFI ESP8266

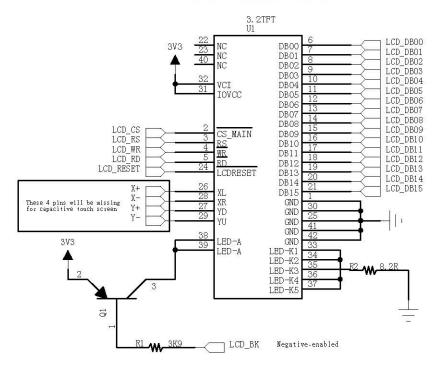
Note

- 1. ESP8266 is designed for transferring small amount of data (e.g. less than 200 bytes)
- 2. The board is tested at a distance of 10-meter

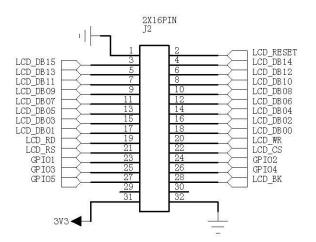




3.2 inch TFT

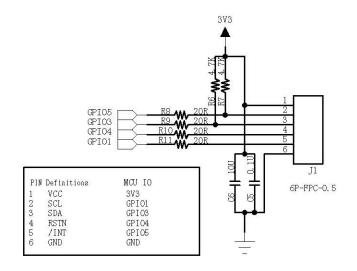


2X16PIN Connector



3.2 inch Capactive Touch Scren

No need to solder this part if resistive touch screen is used



Resistive Touch Screen Controller

No need to solder this part if capactive touch screen is used

