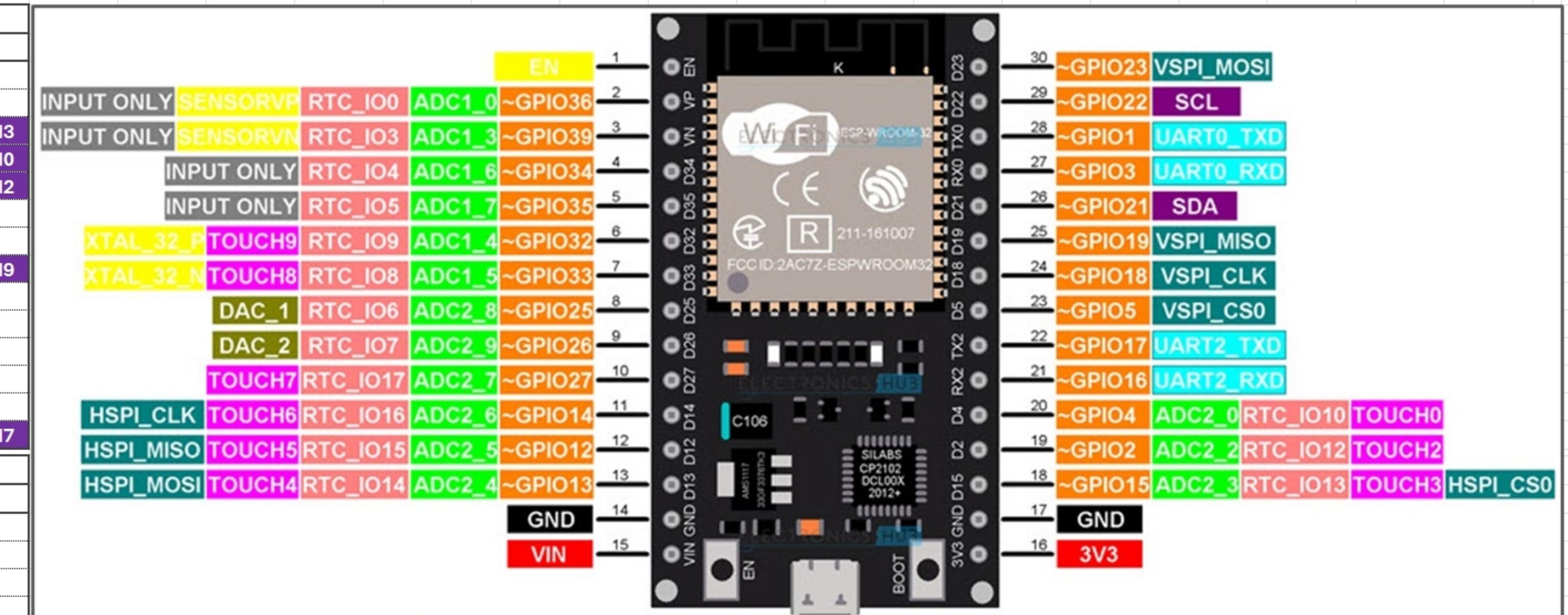
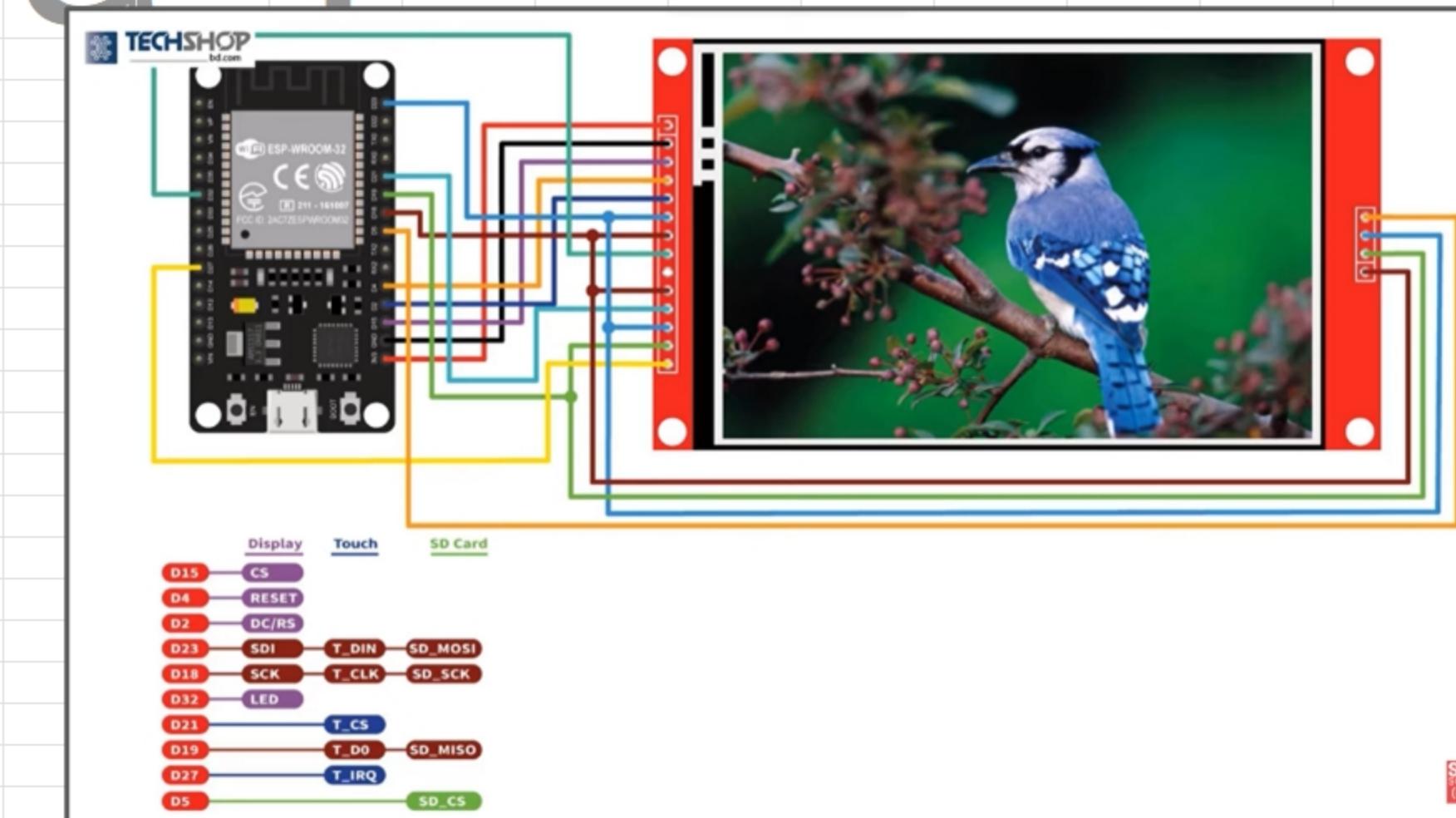
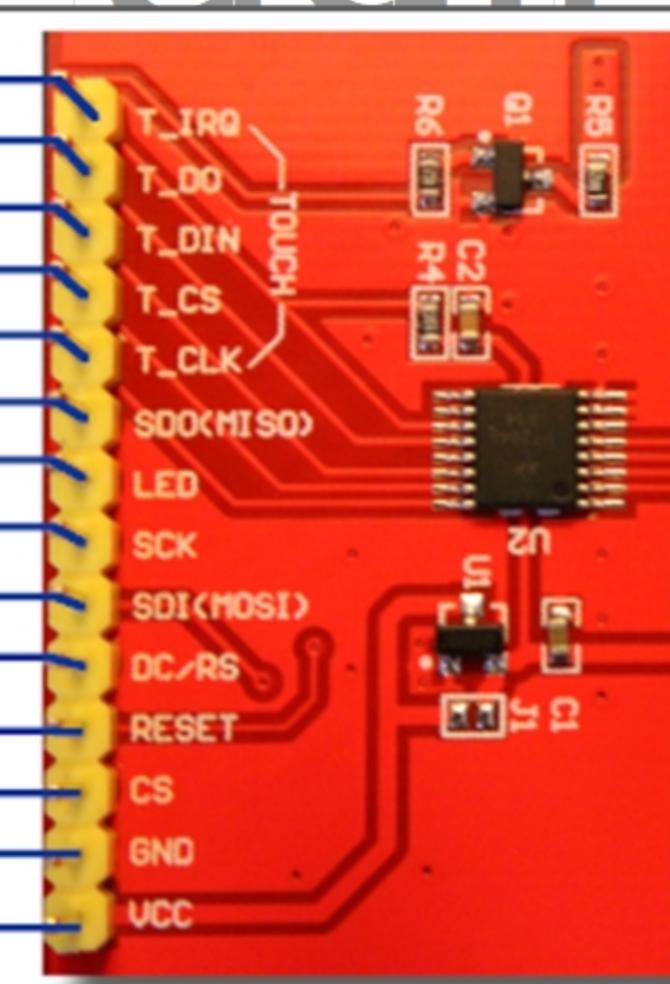


	ILI 9488 TFT	ESP32-WROOM-32		
J2	TFT Pin	Pin		ESP32 - 38 Pin
1	3V3	16	3V3	
2	GND	17	14	GND
3	CS	18	GPIO15	ADC13
4	RST	20	GPIO4	ADC10
5	D/C	19	GPIO2	ADC12
6	SDI	30	GPIO23	VSPI_MOSI
7	SCK	24	GPIO18	VSPI_SCK
8	BL	6	GPIO32	ADC4
9	SDO	N.C.		TOUCH9
10	TCK	24	GPIO18	VSPI_SCK
11	TCS	26	GPIO21	I2C SDA
12	TDI	30	GPIO23	VSPI_MOSI
13	TDO	25	GPIO19	VSPI_MISO
14	PEN	10	GPIO27	ADC17

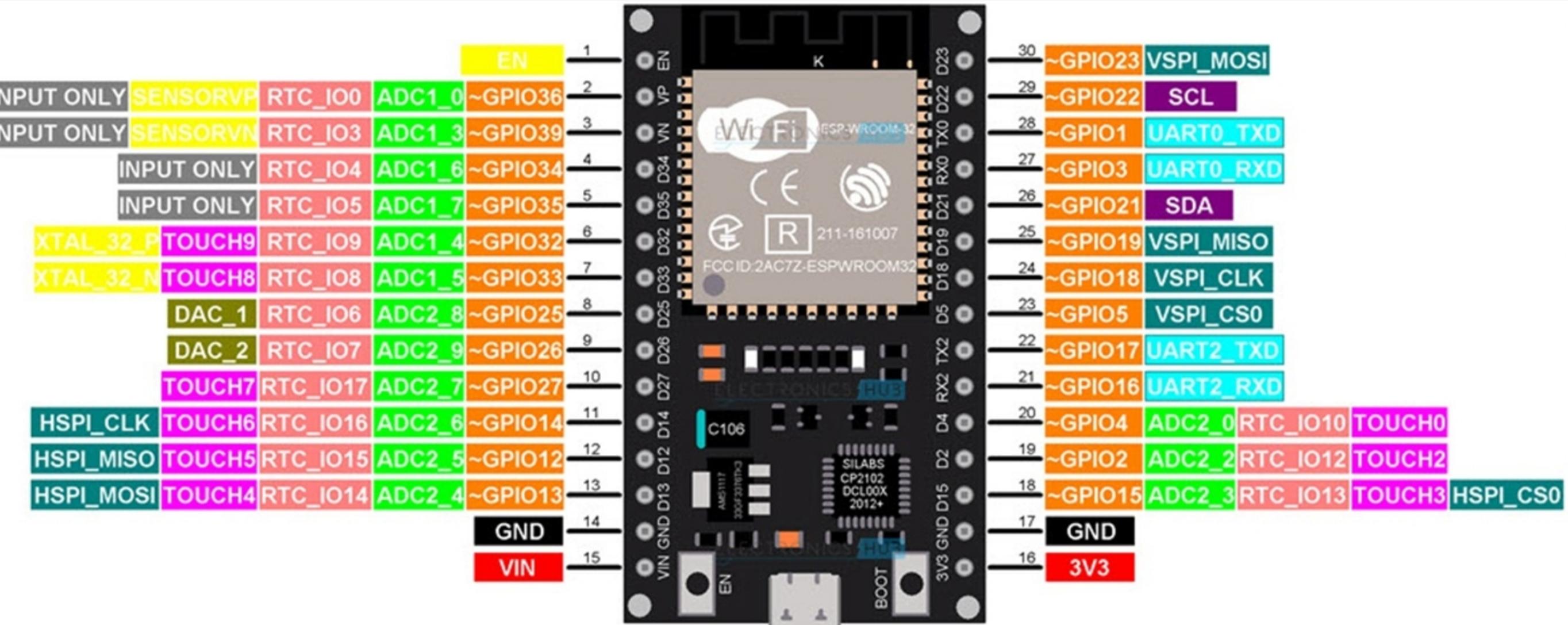
	ILI 9488 TFT	ESP32-WROOM-32		
J4	TFT Pin	Pin		ESP32 - 38 Pin
1	SCS	23	GPIO5	VSPI_CS0
2	SDI	30	GPIO23	VSPI_MOSI
3	SDO	25	GPIO19	VSPI_MISO
4	CLK	24	GPIO18	VSPI_SCK



TFT Pin	ESP32 Pin
VCC	3V3
GND	GND
CS	GPIO15
RESET	GPIO4
DC/RS	GPIO2
SDI (MOSI)	GPIO23
SCK	GPIO18
LED	GPIO32
SDO (MISO)	N.C.
T_CLK	GPIO18
T_CS	GPIO21
T_DIN	GPIO23
T_DO	GPIO19
T_IRQ	GPIO27

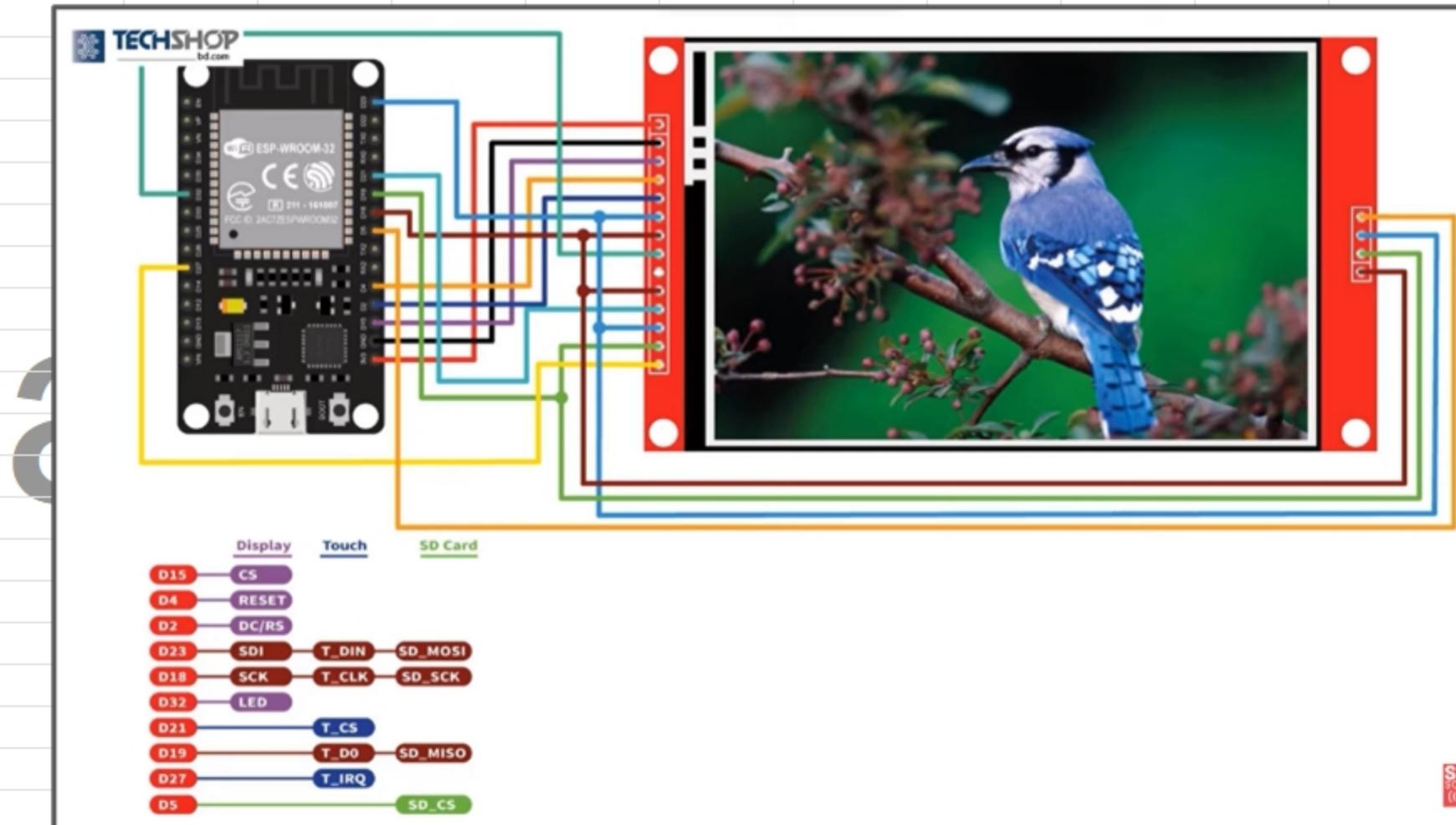
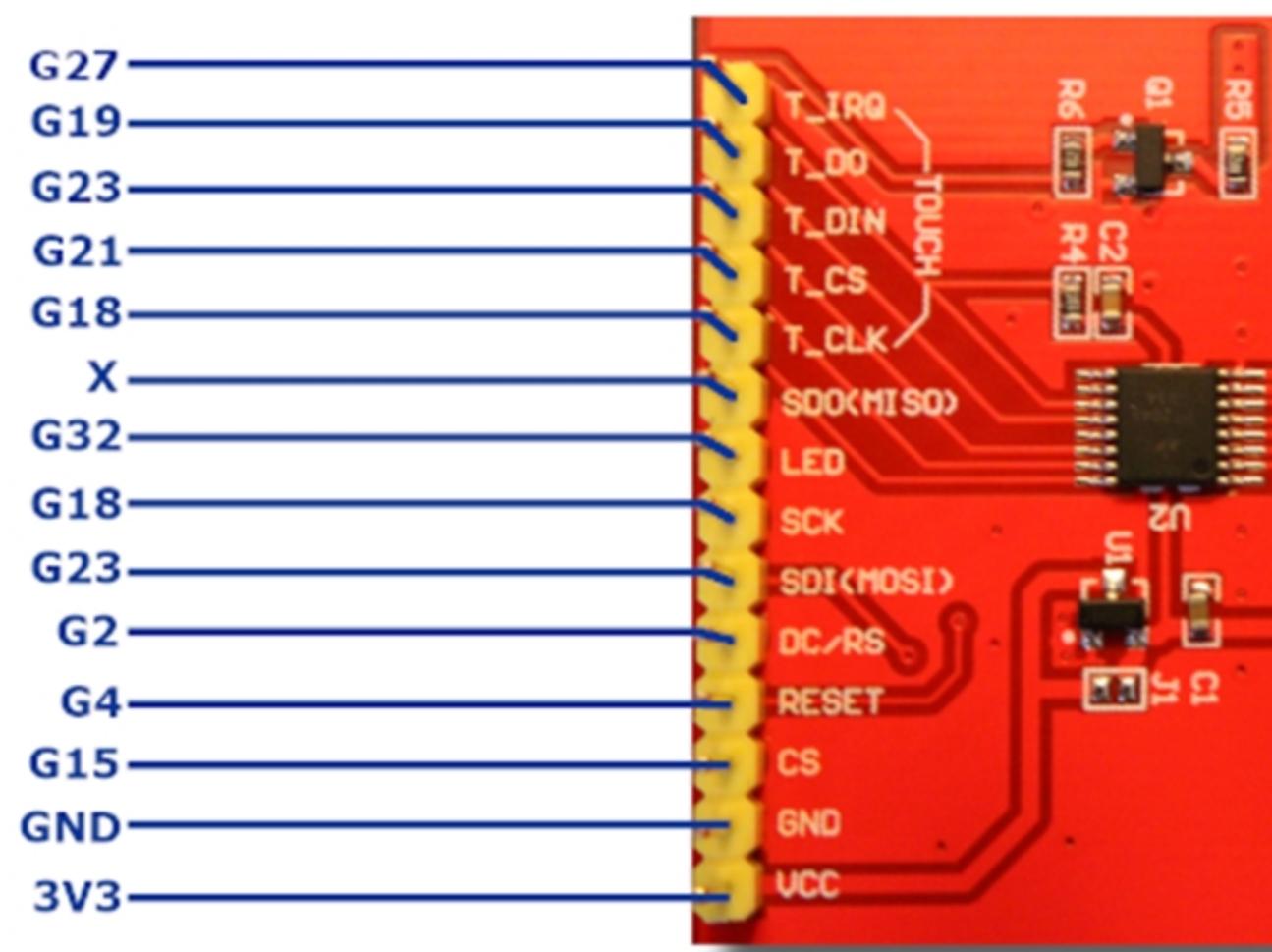


	ILI 9488 TFT		ESP32-WROOM-32				
J2	TFT Pin		Pin		ESP32 - 38 Pin		
	1	3V3	16		3V3		
	2	GND	17	14	GND		
	3	CS	18		GPIO15	ADC13	TOUCH3
	4	RST	20		GPIO4	ADC10	TOUCH0
	5	D/C	19		GPIO2	ADC12	TOUCH2
	6	SDI	30		GPIO23	VSPI MOSI	
	7	SCK	24		GPIO18	VSPI SCK	
	8	BL	6		GPIO32	ADC4	TOUCH9
	9	SDO	N.C.		N.C.		
	10	TCK	24		GPIO18	VSPI SCK	
	11	TCS	26		GPIO21	I2C SDA	
	12	TDI	30		GPIO23	VSPI MOSI	
	13	TDO	25		GPIO19	VSPI MISO	
	14	PEN	10		GPIO27	ADC17	TOUCH7

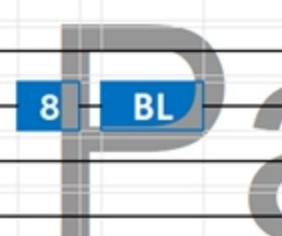


	ILI 9488 TFT		ESP32-WROOM-32			
	J4	TFT Pin	Pin		ESP32 - 38 Pin	
	1	SCS	23		GPIO5	VSPI CS0
	2	SDI	30		GPIO23	VSPI MOSI
	3	SDO	25		GPIO19	VSPI MISO
	4	CLK	24		GPIO18	VSPI SCK

TFT Pin	ESP32 Pin
VCC	3V3
GND	GND
CS	GPIO15
RESET	GPIO4
DC/RS	GPIO2
SDI (MOSI)	GPIO23
SCK	GPIO18
LED	GPIO32
SDO (MISO)	N.C.
T_CLK	GPIO18
T_CS	GPIO21
T_DIN	GPIO23
T_DO	GPIO19
T_IRQ	GPIO27



PINOUT - TFT ILI9488					
	SD CARD	TOUCH	PANEL TFT		
			EN		
INPUT ONLY	SENSORVP	RTC_IO0	ADC1_0	~GPIO36	
INPUT ONLY	SENSORVN	RTC_IO3	ADC1_3	~GPIO39	
	INPUT ONLY	RTC_IO4	ADC1_6	~GPIO34	
	INPUT ONLY	RTC_IO5	ADC1_7	~GPIO35	
XTAL_32_P	TOUCH9	RTC_IO9	ADC1_4	~GPIO32	8 BL
XTAL_32_N	TOUCH8	RTC_IO8	ADC1_5	~GPIO33	
	DAC_1	RTC_IO6	ADC2_8	~GPIO25	
	DAC_2	RTC_IO7	ADC2_9	~GPIO26	
	TOUCH7	RTC_IO17	ADC2_7	~GPIO27	14 PEN
HSPI_CLK	TOUCH6	RTC_IO16	ADC2_6	~GPIO14	
HSPI_MISO	TOUCH5	RTC_IO15	ADC2_5	~GPIO12	
HSPI_MOSI	TOUCH4	RTC_IO14	ADC2_4	~GPIO13	
			GND		
			VIN		



PINOUT - TFT ILI9488					
PANEL TFT	TOUCH	SD CARD			
SDI	6	TDI	12	SDI	2
				~GPIO23	VSPI_MOSI
				~GPIO22	SCL
				~GPIO1	UART0_TXD
				~GPIO3	UART0_RXD
		TCS	11		~GPIO21 SDA
		TDO	13	SDO	3
				~GPIO19	VSPI_MISO
SCK	7	TCK	10	CLK	4
				~GPIO18	VSPI_CLK
				~GPIO5	VSPI_CS0
				~GPIO17	UART2_TXD
				~GPIO16	UART2_RXD
RST	4			~GPIO4	ADC2_0 RTC_IO10 TOUCH0
D/C	5			~GPIO2	ADC2_2 RTC_IO12 TOUCH2
CS	3			~GPIO15	ADC2_3 RTC_IO13 TOUCH3 HSPI_CS0
GND	2			GND	
3V3	1			3V3	