NEW WIFI Kit 32 Pinout Diagram
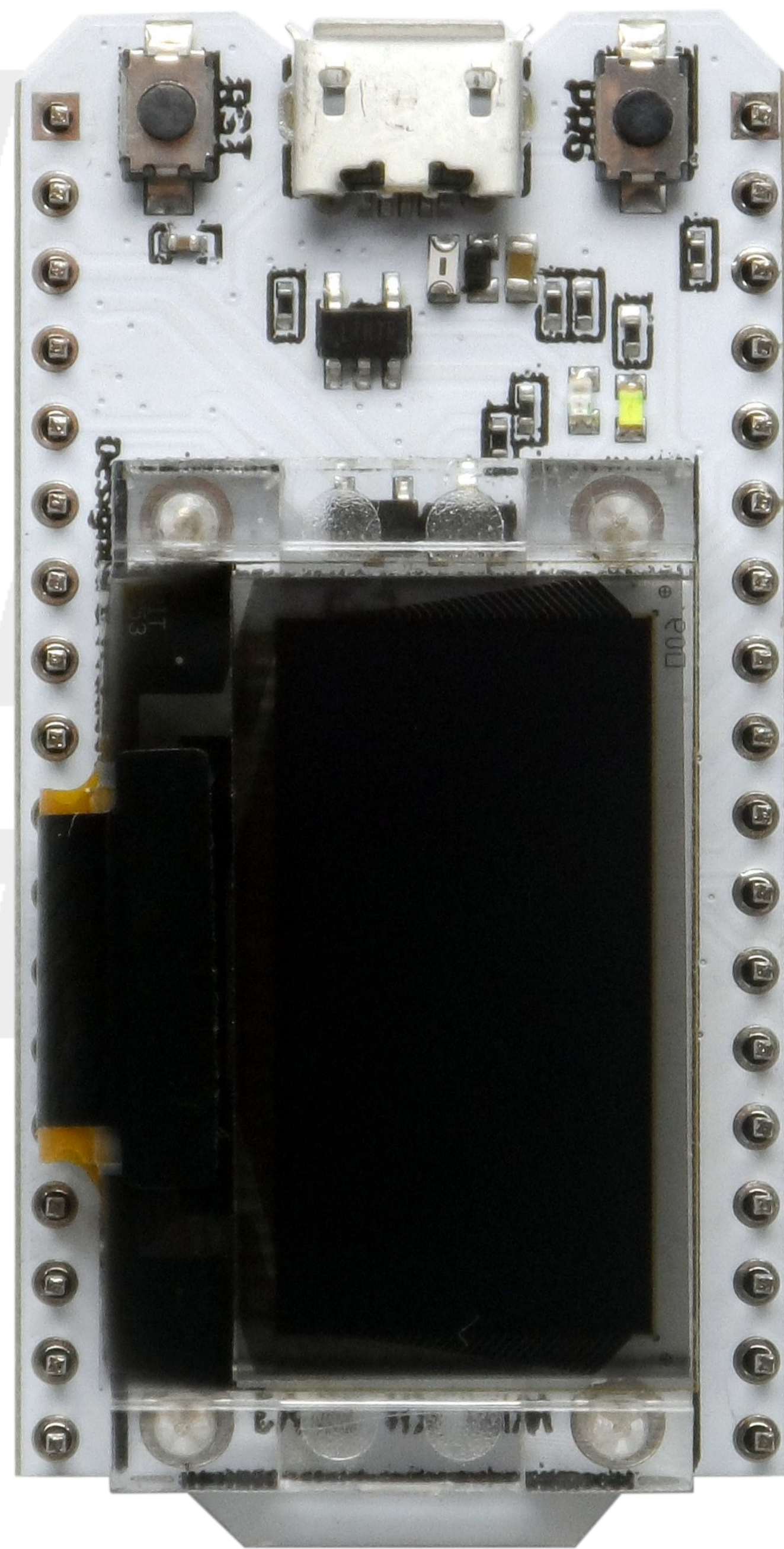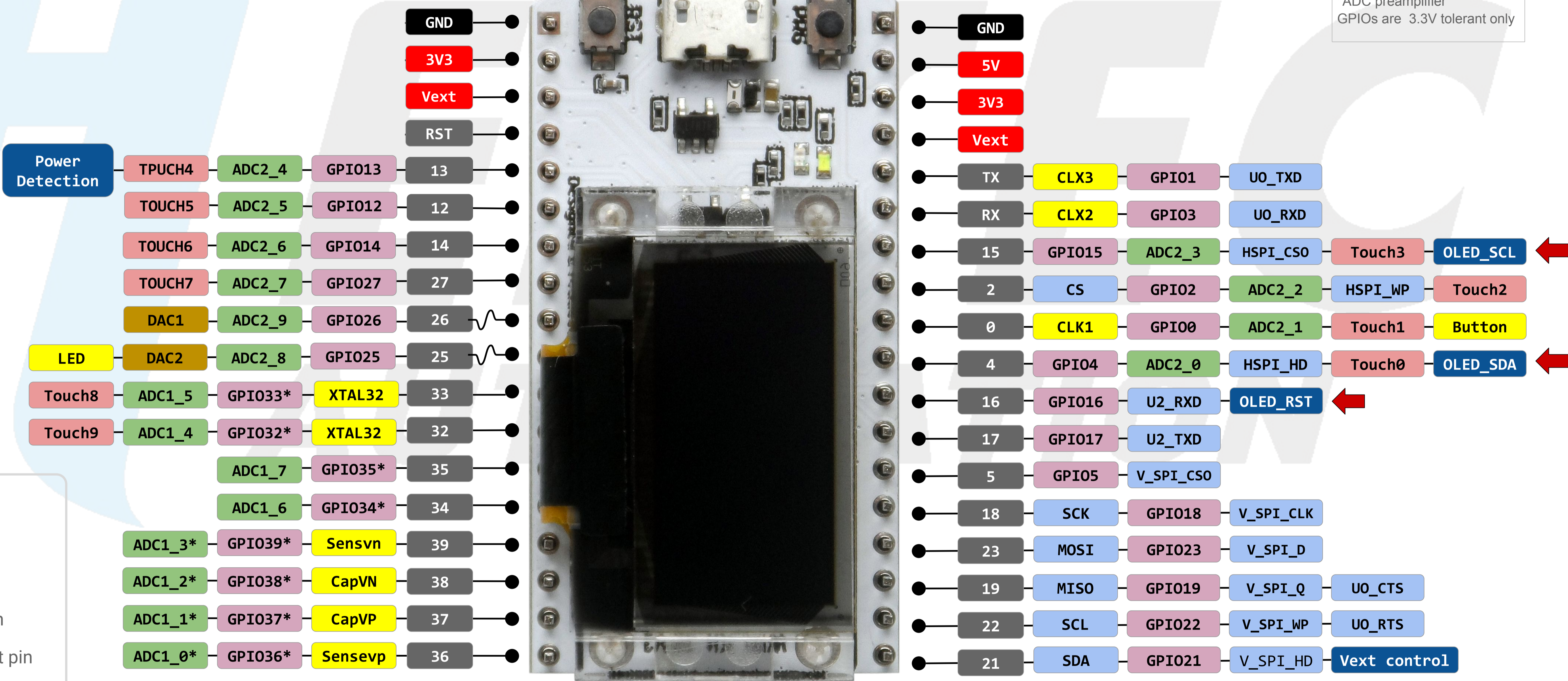
Pins with this arrow are used by on-board OLED, they must not be used for other purpose unless you know what you are doing!

Notes:

*GPIO input only
*ADC preamplifier
GPIOs are 3.3V tolerant only

Left side

			Physical
			GND
			3V3
			Vext
			RST
Power Detection	TPUCH4	ADC2_4	GPIO13	13
	TOUCH5	ADC2_5	GPIO12	12
	TOUCH6	ADC2_6	GPIO14	14
	TOUCH7	ADC2_7	GPIO27	27
	DAC1	ADC2_9	GPIO26	26
LED	DAC2	ADC2_8	GPIO25	25
Touch8	ADC1_5	GPIO33*	XTAL32	33
Touch9	ADC1_4	GPIO32*	XTAL32	32
	ADC1_7	GPIO35*		35
	ADC1_6	GPIO34*		34
ADC1_3*	GPIO39*	Sensvn		39
ADC1_2*	GPIO38*	CapVN		38
ADC1_1*	GPIO37*	CapVP		37
ADC1_0*	GPIO36*	Sensevp		36

Right side

Physical				
GND				
5V				
3V3				
Vext				
TX	CLX3	GPIO1	U0_TXD	
RX	CLX2	GPIO3	U0_RXD	
15	GPIO15	ADC2_3	HSPI_CS0	Touch3	OLED_SCL
2	CS	GPIO2	ADC2_2	HSPI_WP	Touch2
0	CLK1	GPIO0	ADC2_1	Touch1	Button
4	GPIO4	ADC2_0	HSPI_HD	Touch0	OLED_SDA
16	GPIO16	U2_RXD	OLED_RST	
17	GPIO17	U2_TXD		
5	GPIO5	V_SPI_CS0		
18	SCK	GPIO18	V_SPI_CLK	
23	MOSI	GPIO23	V_SPI_D	
19	MISO	GPIO19	V_SPI_Q	U0_CTS
22	SCL	GPIO22	V_SPI_WP	U0_RTS
21	SDA	GPIO21	V_SPI_HD	Vext control

Legend

- GND
- Power
- Control
- Touch Pin
- GPIO Port pin
- Analog Pin
- DAC
- Serial SPI I2C
- Physical Pin
- On-board hardware Pin