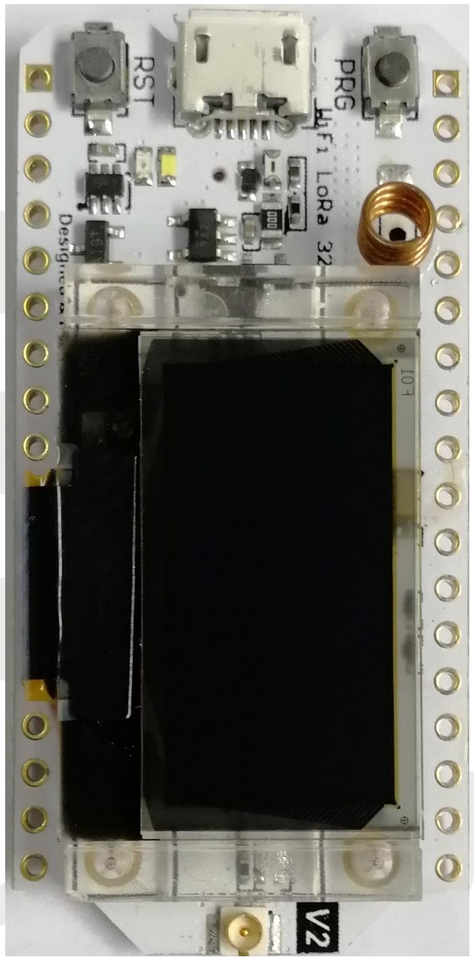
WIFI LoRa 32(V2) Pinout Diagram

Notes:

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



				GND		
				5V		
				Vext		
				Vext		
		U0_RXD	GPIO3	RX		
		U0_TXD	GPIO1	TX		
				RST		
PRG Button	Touch1	ADC2_1	GPIO0	0		
U0_RTS	V_SPI_WP	GPIO22	SCL	22		
LoRa_MISO	U0_CTS	V_SPI_Q	GPIO19	19		
		V_SPI_D	GPIO23	23		
	LoRa_CS	V_SPI_CLK	GPIO18	18		
	LoRa_SCK	V_SPI_CS0	GPIO5	5		
OLED_SCL	Touch3	HSPI_CS0	ADC2_3	GPIO15	15	
	Touch2	HSPI_WP	ADC2_2	GPIO2	2	
OLED_SDA	Touch0	HSPI_HD	ADC2_0	GPIO4	4	
		U2_TXD	GPIO17	17		
	OLED_RST	U2_RXD	GPIO16	16		

GND						
3V3						
3V3						
36	GPIO36*	ADC1_0*				
37	GPIO37*	ADC1_1*				
38	GPIO38*	ADC1_2*				
39	GPIO39*	ADC1_3*				
34	GPIO34*	ADC1_6	LoRa DIO2			
35	GPIO35*	ADC1_7	LoRa DIO1			
32	XTAL32	GPIO32*	ADC1_4	Touch8		
33	XTAL32	GPIO33*	ADC1_5	Touch9		
25	GPIO25	ADC2_8	DAC2	LED		
26	GPIO26	ADC2_9	DAC1	LoRa_DIO0		
27	GPIO27	ADC2_7	TOUCH7	LoRa_MOSI		
14	GPIO14	ADC2_6	TOUCH6	LoRa_RST		
12	GPIO12	ADC2_5	TOUCH5			
13	GPIO13	ADC2_4	TPUCH4			
21	SDA	GPIO21	V_SPI_HD	Vext control		

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

GPIO21 -- Vext control

LOW → Vext(3.3V/50mA) ON
HIGH → Vext(3.3V/50mA) OFF

Pins with this arrow are used by on-board OLED or LoRa, they must not be used for other purpose unless you know what you are doing!