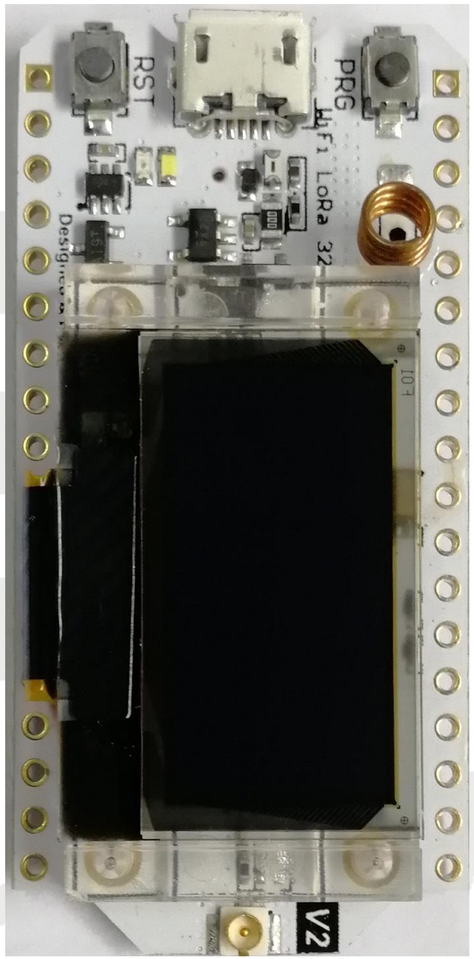
WIFI LoRa 32(V2) Pinout Diagram

Notes:

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

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



				GND	GND
				5V	3V3
				Vext	3V3
				Vext	36 GPIO36* ADC1_0*
	U0_RXD	GPIO3		RX	37 GPIO37* ADC1_1*
	U0_TXD	GPIO1		TX	38 GPIO38* ADC1_2*
				RST	39 GPIO39* ADC1_3*
PRG Button	Touch1	ADC2_1	GPIO0	0	34 GPIO34* ADC1_6 LoRa DIO2
U0_RTS	V_SPI_WP	GPIO22	SCL	22	35 GPIO35* ADC1_7 LoRa DIO1
LoRa_MISO	U0_CTS	V_SPI_Q	GPIO19	19	32 XTAL32 GPIO32* ADC1_4 Touch8
		V_SPI_D	GPIO23	23	33 XTAL32 GPIO33* ADC1_5 Touch9
	LoRa_CS	V_SPI_CLK	GPIO18	18	25 GPIO25 ADC2_8 DAC2 LED
	LoRa_SCK	V_SPI_CSO	GPIO5	5	26 GPIO26 ADC2_9 DAC1 LoRa_DIO0
OLED_SCL	Touch3	HSPI_CSO	ADC2_3	GPIO15	15 27 GPIO27 ADC2_7 TOUCH7 LoRa_MOSI
	Touch2	HSPI_WP	ADC2_2	GPIO2	2 14 GPIO14 ADC2_6 TOUCH6 LoRa_RST
OLED_SDA	Touch0	HSPI_HD	ADC2_0	GPIO4	4 12 GPIO12 ADC2_5 TOUCH5
		U2_TXD	GPIO17	17	13 GPIO13 ADC2_4 TPUCH4
	OLED_RST	U2_RXD	GPIO16	16	21 SDA GPIO21 V_SPI_HD Vext control

GPIO21 -- Vext control

LOW → Vext(3.3V/250mA) ON
HIGH → Vext(3.3V/250mA) 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!