WIFI LoRa 32(V2.1) Pinout Diagram

Notes:

- Vext: External power supply (3.3V), control the switch of Vext through GPIO(LOW-ON,HIGH-OFF)
- ADC preamplifier GPIOs are 3.3V tolerant only

Tips:

- These pins must be in the following states when downloading the program:
  GPIO5(LOW)
  GPIO12(LOW)
  GPIO15(HIGH)

					GND							GND
					5V							3V3
					Vext							3V3
					Vext						36	GPI36*	ADC1_0*
			UO_RXD	GPIO3	RX						37	GPI37*	ADC1_1*
			UO_TXD	GPIO1	TX						38	GPI38*	ADC1_2*
					RST						39	GPI39*	ADC1_3*
	PRG Button	Touch1	ADC2_1	GPIO0	0						34	GPI34*	ADC1_6	LoRa DIO2
	UO_RTS	V_SPI_WP	GPIO22	SCL	22						35	GPI35*	ADC1_7	LoRa DIO1
LoRa_MISO	UO_CTS	V_SPI_Q	GPIO19	19							32	XTAL32	GPIO32	ADC1_4	Touch9
		V_SPI_D	GPIO23	23							33	XTAL32	GPIO33	ADC1_5	Touch8
	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

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

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!