

# WiFi LoRa 32(V2) Pinout Diagram

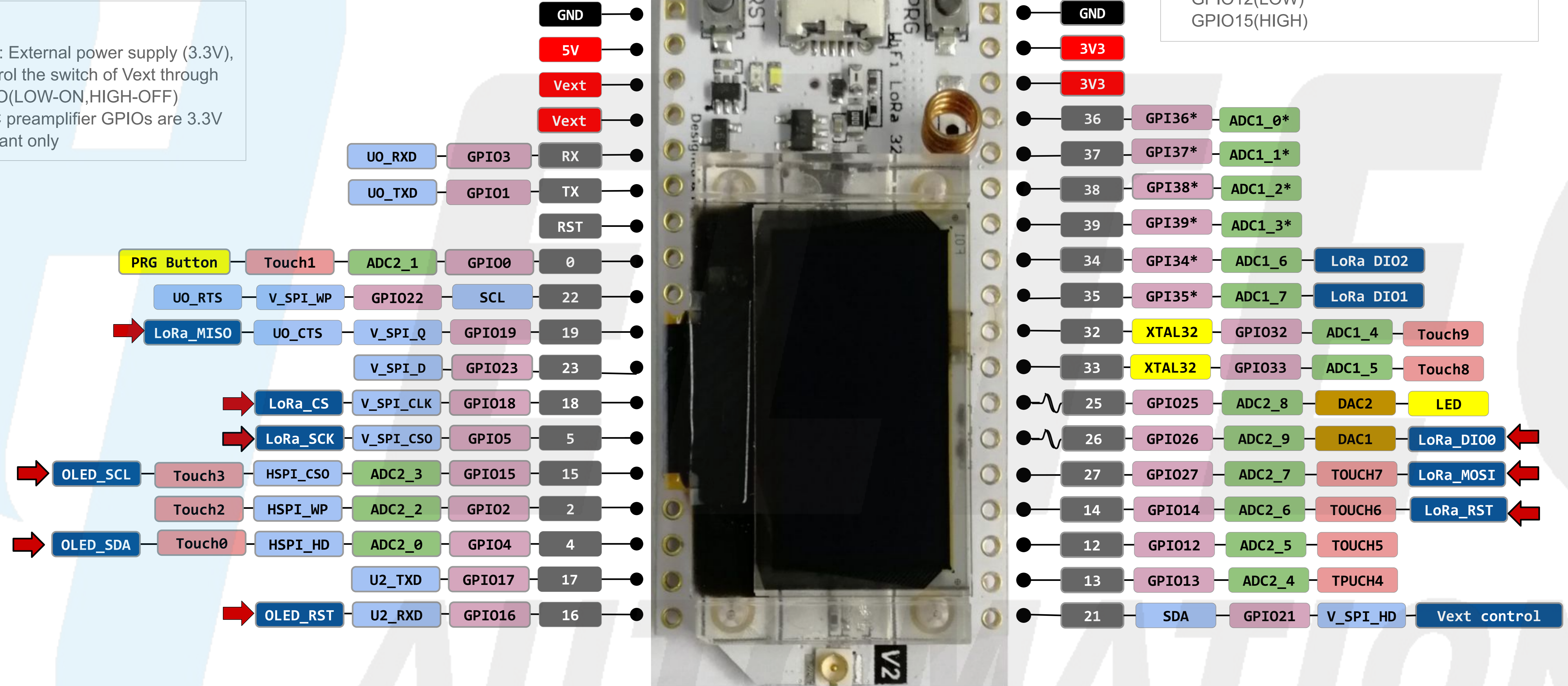
**Notes:**

- 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
- 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!