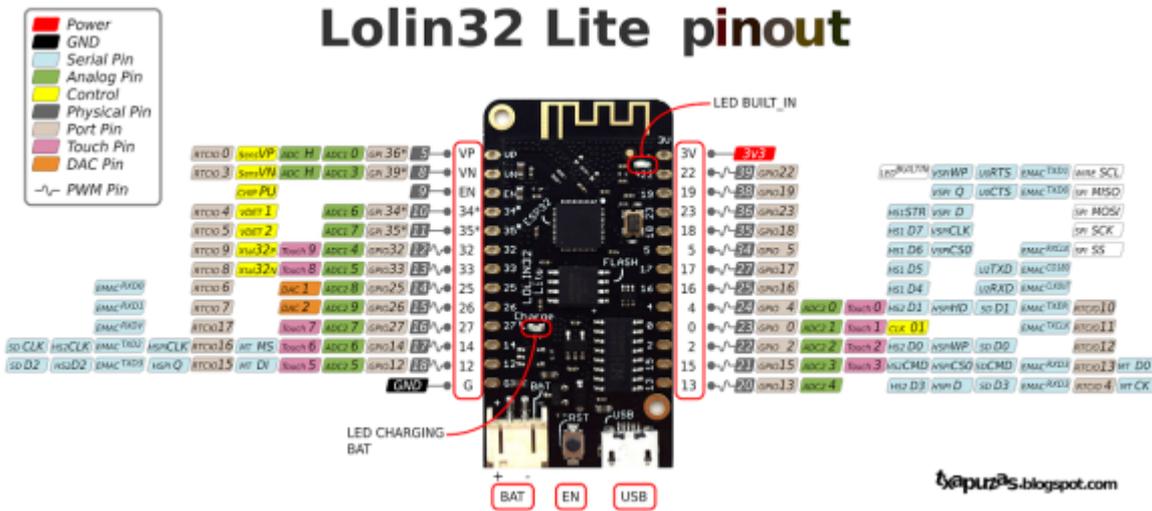


# ESP32

## Lolin32 lite



- ESP32 Module: ESP-WROOM-32 from Espressif.
- 240MHz dual core microprocessor equipped with
- 4MB SPI flash memory. Support up to 16MB of flash memory
- Connectivity
- WiFi 802.11 b / g / n.
- Security WEP, WPA / WPA2 PSK / Enterprise.
- Integrated cryptographic chip supporting AES / SHA2 / Elliptical Curve Cryptography / RSA-4096 algorithms
- Maximum power for data transfer: 19.5 dBm@11b, 16.5 dBm@11g, 15.5 dBm@11n
- Sensitivity max. reception: -97 dBm
- Bluetooth 4.0 LE
- 32 Inputs / Outputs
- 26x Digital I / O (3.3V). All outputs can be PWM
- 18x analog inputs
- 3x UART
- 3x SPI
- 2x I2S
- 2x DAC
- 2x I2C
- Sleep Mode Consumption: 5  $\mu$ A
- Integrated sensors
- Hall Effect
- 10x inputs for capacitive touch interface
- LiPo battery connector JST XH2-2.54mm

# LILYGO TTGO T5 V2.3\_2.13

- <https://fr.aliexpress.com/item/32869729970.html>
- display: GxGDEM0213B74
- SKU: H239 2-colors
  - platformio project: <https://github.com/Xinyuan-LilyGO/T5-Ink-Screen-Series>
    - #define LILYGOT5V213
    - #include <GxDEPG0213BN/GxDEPG0213BN.h>

## AZ-Delivery D1 Mini ESP32

pinout

datasheet

## TTGO ESP32

builtin led pin 22

ESP32 devkit v1 [TTGO mini32](#) [ESP32 bangood](#) [amazon](#)

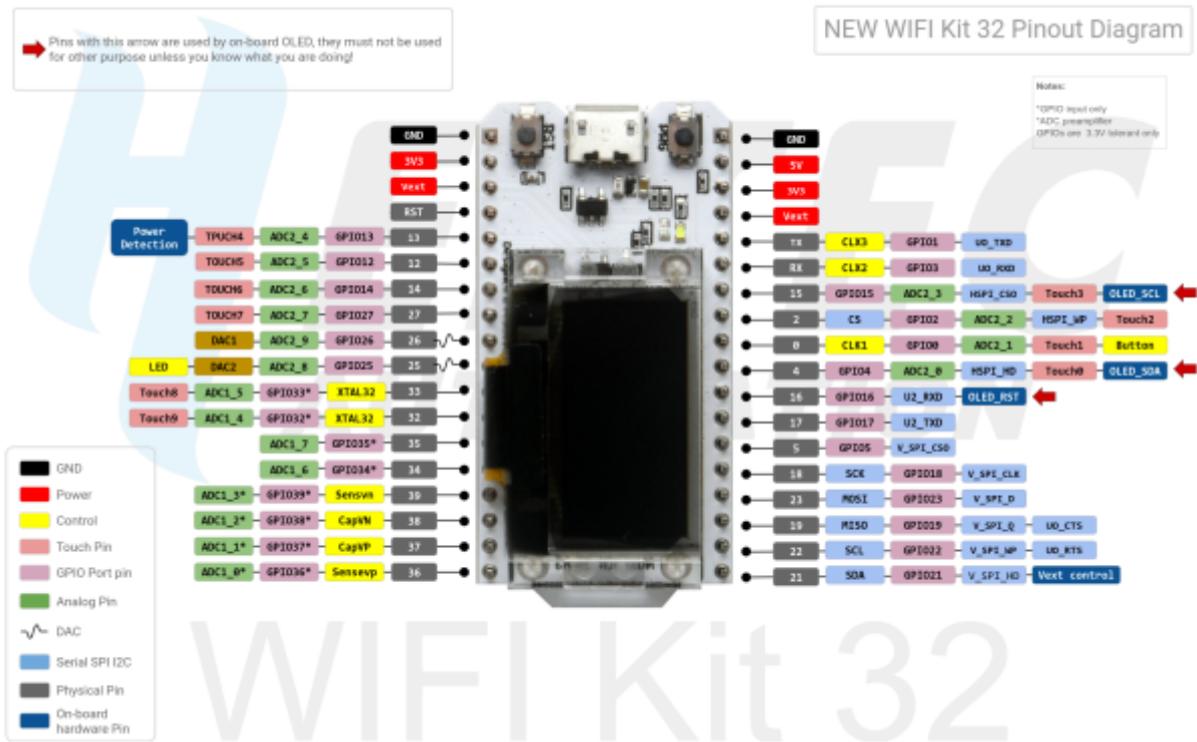
Chip is ESP32D0WDQ6 (revision 1)

Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse

- PIN 22 is connected to green LED



- pins arduino



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