

# ESP32

## ESP-IDF

1. Install vscode
  1. Install ESP-IDF extension
2. Install git

1.
 

```
$ brew install git
```

3. Install Python, Download at <https://www.python.org/downloads/>

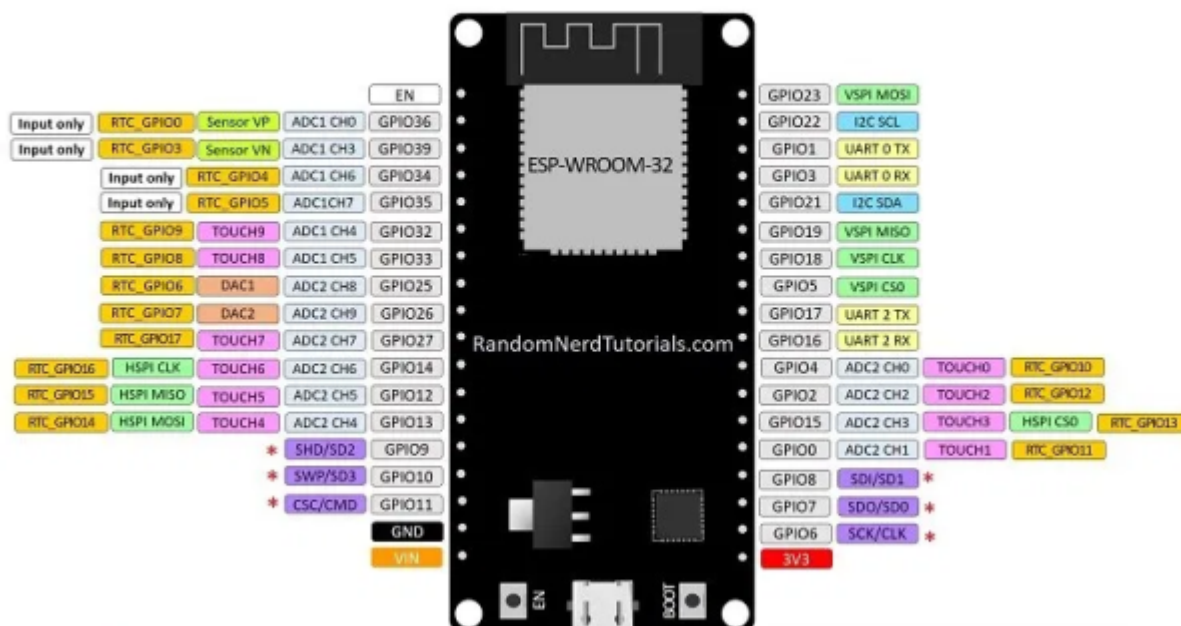
Standard Setup of Toolchain for Mac OS

## TTGO T-DISPLAY

- 2 pin JST SH 1.0 connector.

## PINS

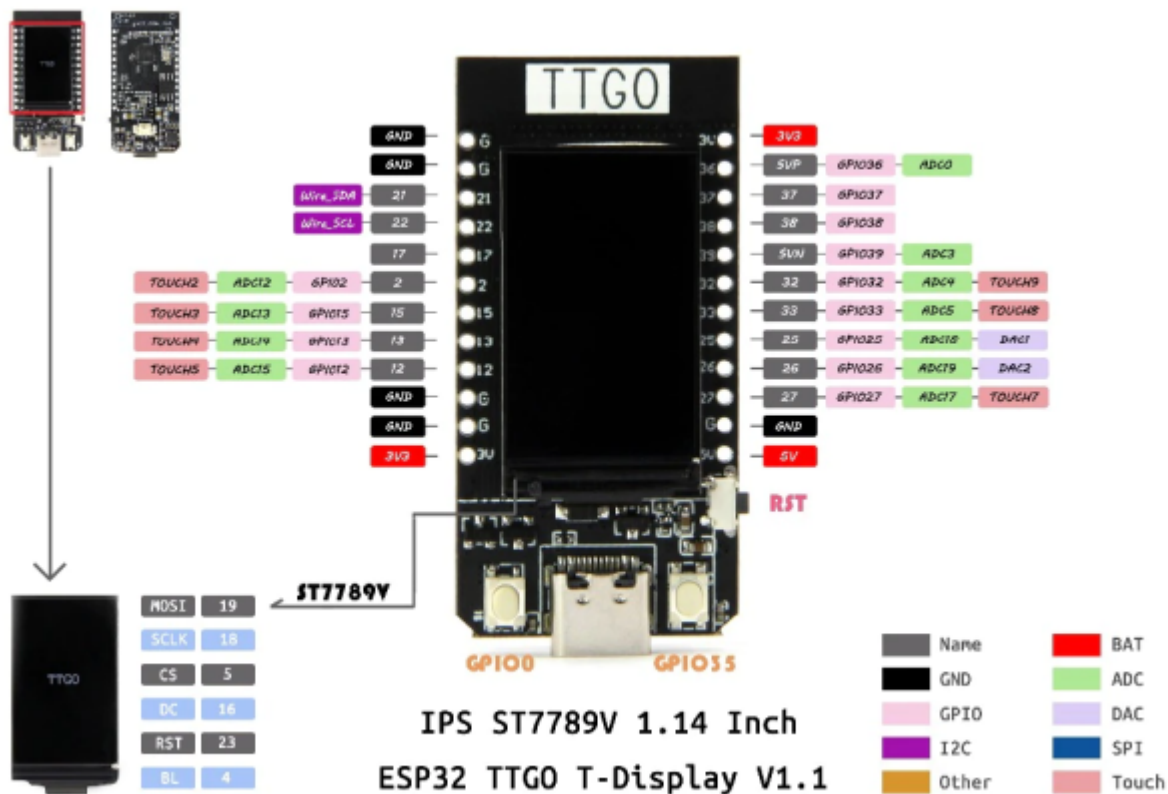
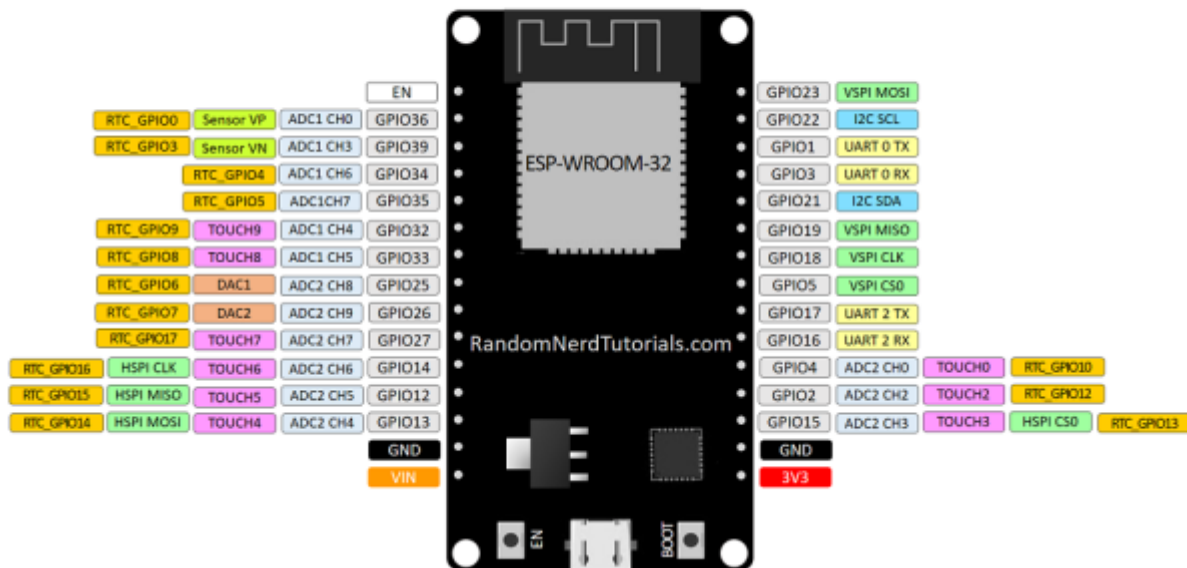
### ESP32 DEVKIT V1 – DOIT version with 36 GPIOs



\* Pins SCK/CLK, SDO/SD0, SDI/SD1, SHD/SD2, SWP/SD3 and CSC/CMD, namely, GPIO6 to GPIO11 are connected to the integrated SPI flash integrated on ESP-WROOM-32 and are not recommended for other uses.

# ESP32 DEVKIT V1 – DOIT

## version with 30 GPIOs



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