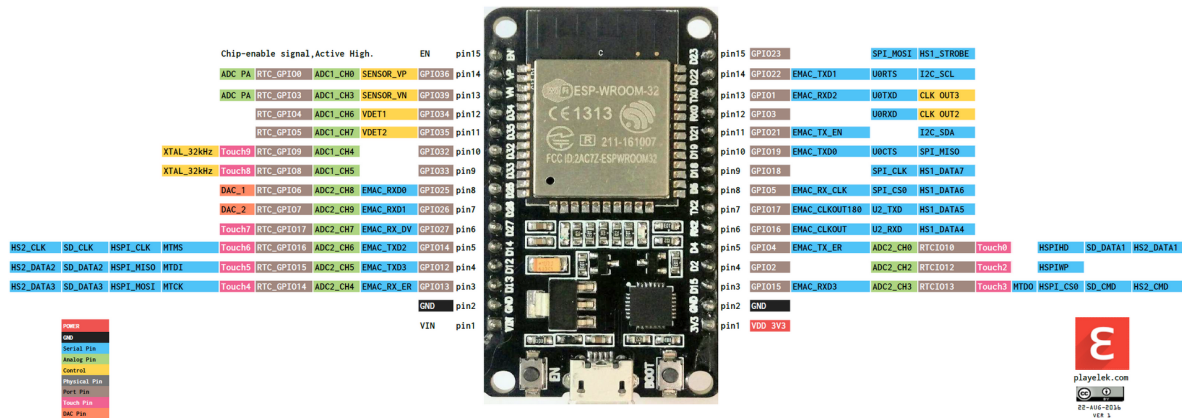


Pinout

DOIT ESP32 DEVKIT V1 PINOUT



Doc Links

- [Microcontrollers Lab](#)

Important Notes

- ALL** GPIO pins support *pulse-width modulation (PWM)* and *interrupts*.
- GPIO pins 34 - 39 are for **input only**.
- DO NOT** use pins 6-11.
- DO** hold down 'BOOT' button after seeing "Connecting...." in Arduino IDE while uploading a sketch.
- DO** press 'EN' after seeing "Hard resetting via RTS pin" in Arduino IDE after upload of a sketch completes to activate the program.
- MAX** operating current for the GPIO pins (sourcing *and* sinking) is **40mA**.
 - It is recommended** that it's kept below **20mA**
- The following GPIO pins are in active-high state by default during a reset/boot-up
 - 1
 - 3
 - 5
 - 6-11
 - 14
 - 15

Strapping GPIO Pins

The following GPIO pins are used to configure the bootloader or manipulate the flashing mode of the ESP32¹.

Pin	Required Boot State
0	N/A
2	N/A
4	N/A
5	HIGH
12	LOW
15	HIGH

> If you are using the [Arduino IDE](https://www.arduino.cc/en/software) you don't need to worry about initializing these pins.

1. > Note:

1