

ESP32 Pin out reference:

<https://randomnerdtutorials.com/esp32-pinout-reference-gpios/>

## ESP32 Basic codes

ESP32 basics:

<https://roboindia.com/tutorials/digital-input-output-nodemcu/>

ESP32 with LED & switch:

<https://microcontrollerslab.com/push-button-esp32-gpio-digital-input/>

ESP32 with Touch:

<https://microcontrollerslab.com/esp32-touch-sensor-button-example/>

ESP32 with LDR:

<http://www.esp32learning.com/code/esp32-and-ldr-example.php>

ESP32 with PWM:

<https://randomnerdtutorials.com/esp32-pwm-arduino-ide/>

ESP32 with interrupt:

<https://lastminuteengineers.com/handling-esp32-gpio-interrupts-tutorial/>

<https://openlabpro.com/guide/timer-on-esp32/>

ESP32 with OLED:

<https://lastminuteengineers.com/oled-display-esp32-tutorial/>

<https://randomnerdtutorials.com/esp32-esp8266-dht-temperature-and-humidity-oled-display/>

ESP32 with DHT11:

<https://circuits4you.com/2019/01/25/esp32-dht11-22-humidity-temperature-sensor-interfacing-example/>

ESP32 Basic Wi-Fi Scan:

<https://github.com/espressif/arduino-esp32/blob/master/libraries/WiFi/examples/WiFiScan/>

## [WiFiScan.ino](#)

ESP32 LED control (Webserver):

<https://lastminuteengineers.com/creating-esp32-web-server-arduino-ide/>

ESP32 with DHT11 (webserver):

<https://lastminuteengineers.com/esp32-dht11-dht22-web-server-tutorial/>

ESP32 with Ultrasonic sensor:

<https://www.instructables.com/id/Pocket-Size-Ultrasonic-Measuring-Tool-With-ESP32/>

ESP32 I2C scanner:

<https://roboindia.com/tutorials/i2c-address-scanner-nodemcu/>

<https://gist.github.com/AustinSaintAubin/dc8abb2d168f5f7c27d65bb4829ca870>

ESP32 with MCP23008:

<http://embedded-lab.com/blog/expanding-the-number-of-io-lines-using-microchip-mcp23008/>

<https://github.com/knifiter/lib-MCP23008>

ESP32 with SD card:

<http://www.esp32learning.com/code/esp32-and-microsd-card-example.php>

<https://randomnerdtutorials.com/esp32-data-logging-temperature-to-microsd-card/>

ESP32 with Bluetooth:

<https://circuitdigest.com/microcontroller-projects/using-classic-bluetooth-in-esp32-and-toogle-an-led>

ESP32 with RTC:

<http://www.esp32learning.com/code/esp32-and-ds3231-rtc-example.php>

ESP32 with MPU9250:

<http://www.esp32learning.com/code/esp32-and-mpu-9250-sensor-example.php>

ESP32 kalman filter:

<http://www.iotsharing.com/2019/06/how-to-apply-kalman-filter-to-esp.html>

ESP32 IoT project:

<https://joedvorak.github.io/Arduino-LDR-Wireless-Application/>

ESP32 IoT project:

[https://ubidots.com/blog/build-a-tank-volume-reader-in-under-30/](https://ubidots.com/blog/build-a-tank-volume-reader-in-under-30/S)  
[S](#)