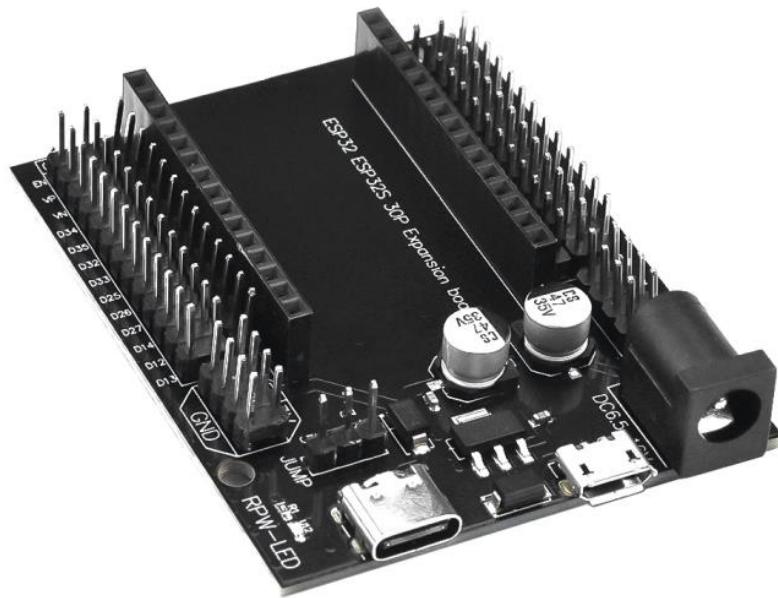




## ESP32 Expansion Board

This ESP32 expansion board is a versatile and convenient tool designed for prototyping projects with ease. It features header pins with power and ground rails, allowing for easy connections to various components. Suitable for ESP32 with 30 Pins development module.



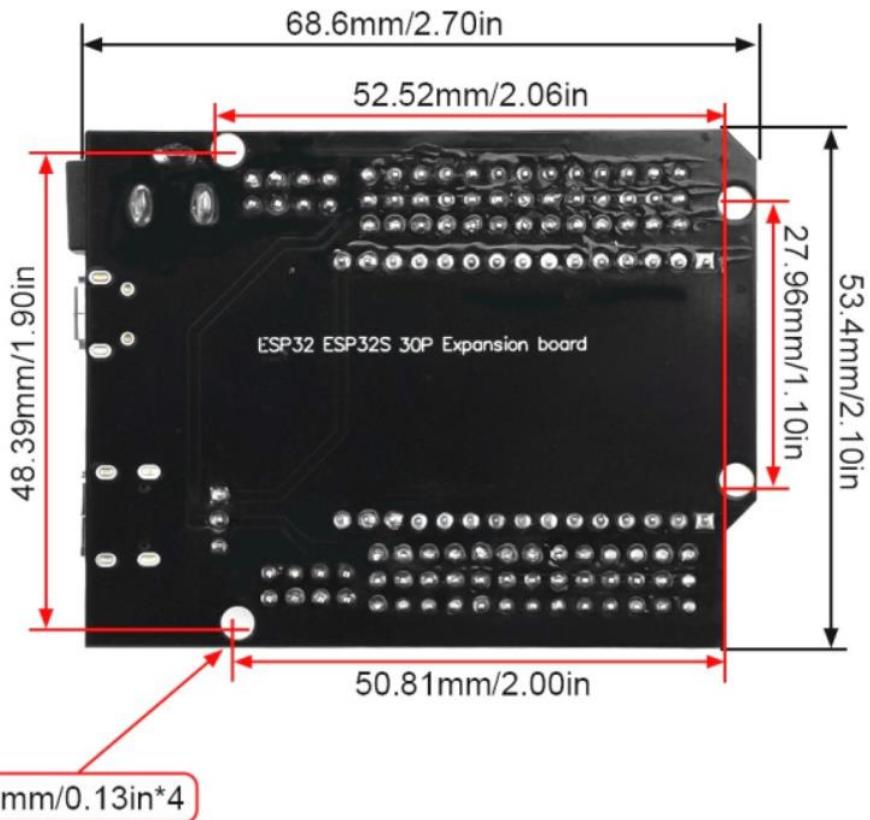
**SKU: MDU1156**

### Brief Data:

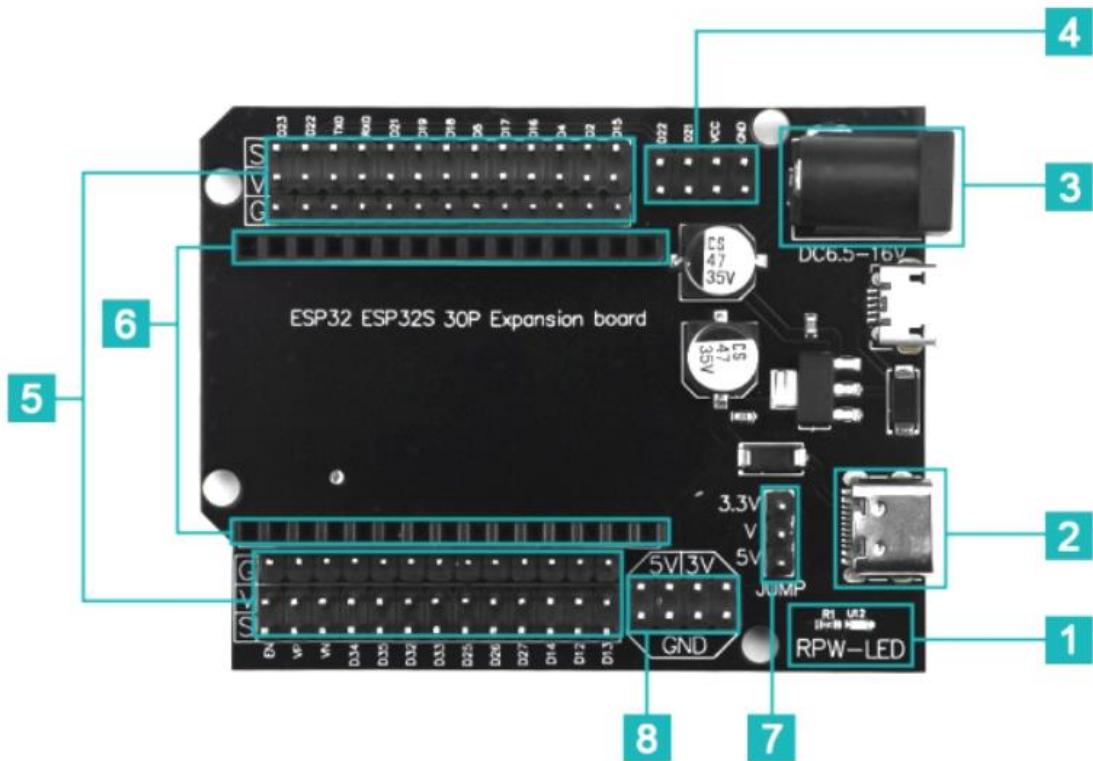
- Item Name: ESP32 Expansion Base board.
- Designed for ESP32 30-Pins Development Module.
- Power supply:
  - 7-12V on DC jack.
  - microUSB Connector.
  - USB C Connector.
- Selectable voltage level on I2C and SPI pinout
- All pins are accompanied with VCC and GND for easy sensor connections
- On-board Regulator : 5V~1A.
- Header Connector Pitch: 2.54mm.
- Power-On LED Indicator.
- M3 screw holes on corners of board.
- Board dimension : 65 x 55 mm.
- Mounting dimension : 60 x 50 mm.

## **Mechanical Dimension:**

**Unit: mm**



## Functional Block Diagram:



Connector	Function
1	<b>Input Power Supply Indicator</b>
2	<b>USB-C Power Supply Input</b>
3	<b>6Vdc~15Vdc Power Input Socket</b>
4	<b>I2C Bus Header Pin</b>
5	<b>Power Supply Rail and I/O Pin Header</b>
6	<b>Header Connector for ESP32 Module 30 Pins</b>
7	<b>Voltage Selection Jumper for Power Rail Supply</b>
8	<b>5V/3.3V Output Supply Header</b>

## **Web Resources:**

- <https://lastminuteengineers.com/esp32-pinout-reference/>

## **Web Resources:**

- <https://cyaninfinite.com/getting-started-with-the-wemos-d1-esp8266-wifi-board/>
- <http://educ8s.tv/arduino-esp8266-tutorial-first-look-at-the-wemos-d1-arduino-compatible-esp8266-wifi-board/>



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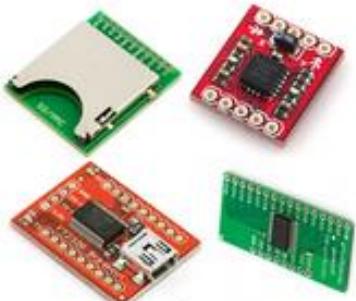
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