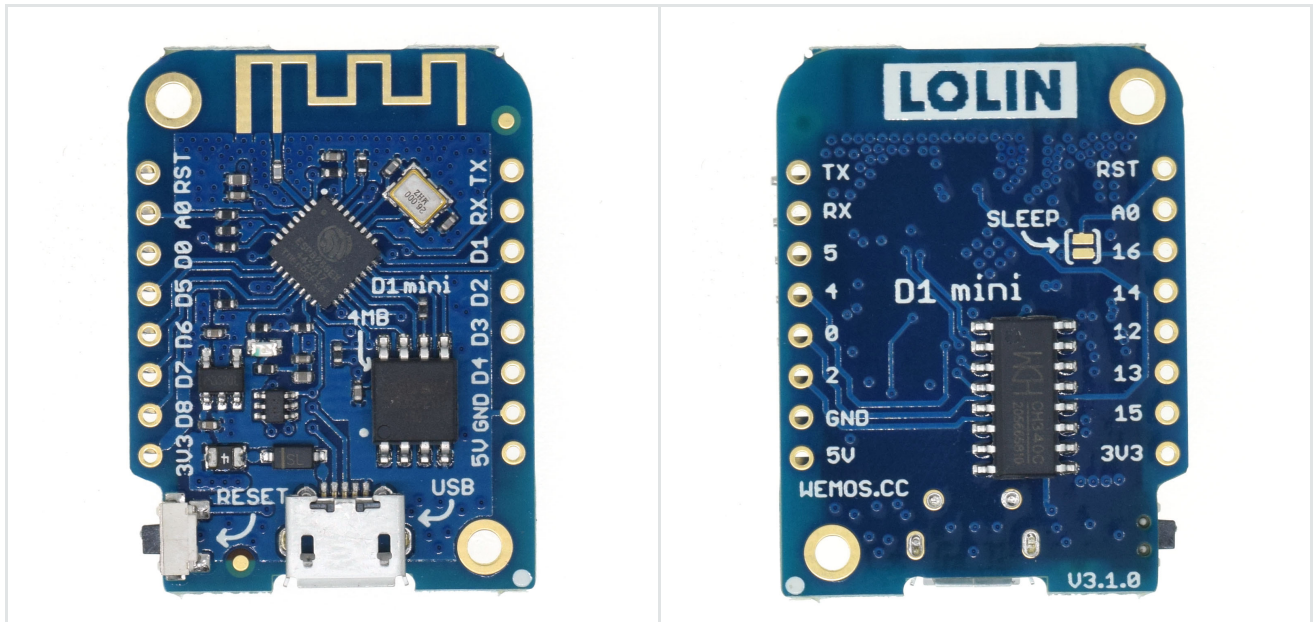


LOLIN D1 mini



A mini wifi board with 4MB flash based on ESP-8266EX. [\[Buy it\]](#)

Features

- 11 digital IO, interrupt/pwm/I2C/one-wire supported(except D0)
- 1 analog input(3.2V max input)
- a Micro USB connection
- Compatible with MicroPython, Arduino, nodemcu

Tutorials

- [Get started with MicroPython \[D1/D1 mini series\]](#)
- [Get started with Arduino \[D1/D1 mini series\]](#)

Documentation

- [Schematic V3.1.0\[PDF\]](#)
- [CH340 Driver](#)

Technical specs

Operating Voltage	3.3V
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Digital I/O Pins	11
Analog Input Pins	1(3.2V Max)
Clock Speed	80/160MHz
Flash	4M Bytes
Size	34.2*25.6mm
Weight	3g

Pin

Pin	Function	ESP-8266 Pin
TX	TXD	TXD
RX	RXD	RXD
A0	Analog input, max 3.2V	A0
D0	IO	GPIO16
D1	IO, SCL	GPIO5
D2	IO, SDA	GPIO4
D3	IO, 10k Pull-up	GPIO0
D4	IO, 10k Pull-up, BUILTIN_LED	GPIO2
D5	IO, SCK	GPIO14
D6	IO, MISO	GPIO12
D7	IO, MOSI	GPIO13
D8	IO, 10k Pull-down, SS	GPIO15
G	Ground	GND
5V	5V	-
3V3	3.3V	3.3V
RST	Reset	RST

Note

All of the IO pins run at 3.3V.

Version

- V3.1.0(current)
- V3.0.0
- V2.3.0
- V2.2.0