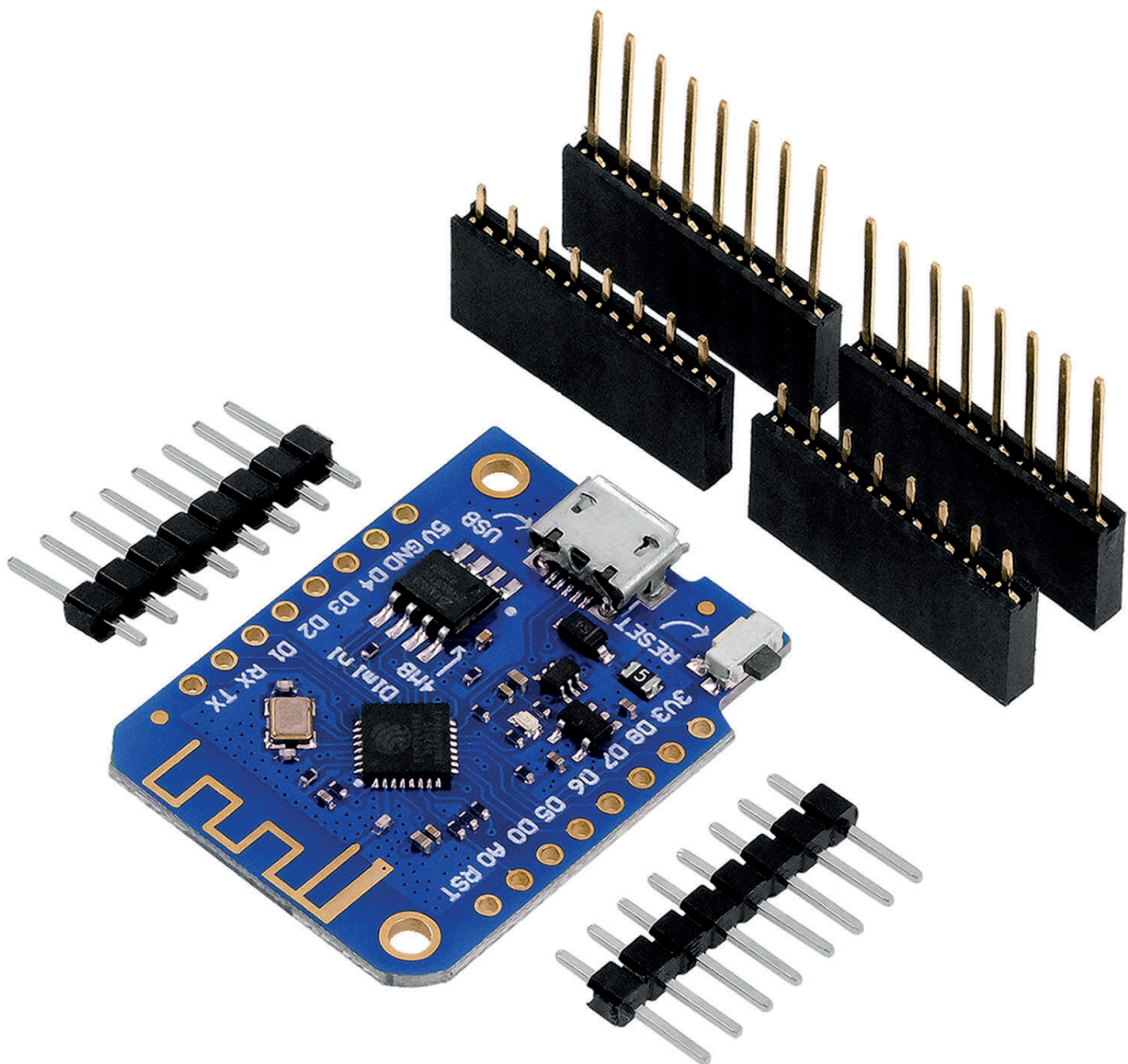


D1 Mini V3 Datenblatt



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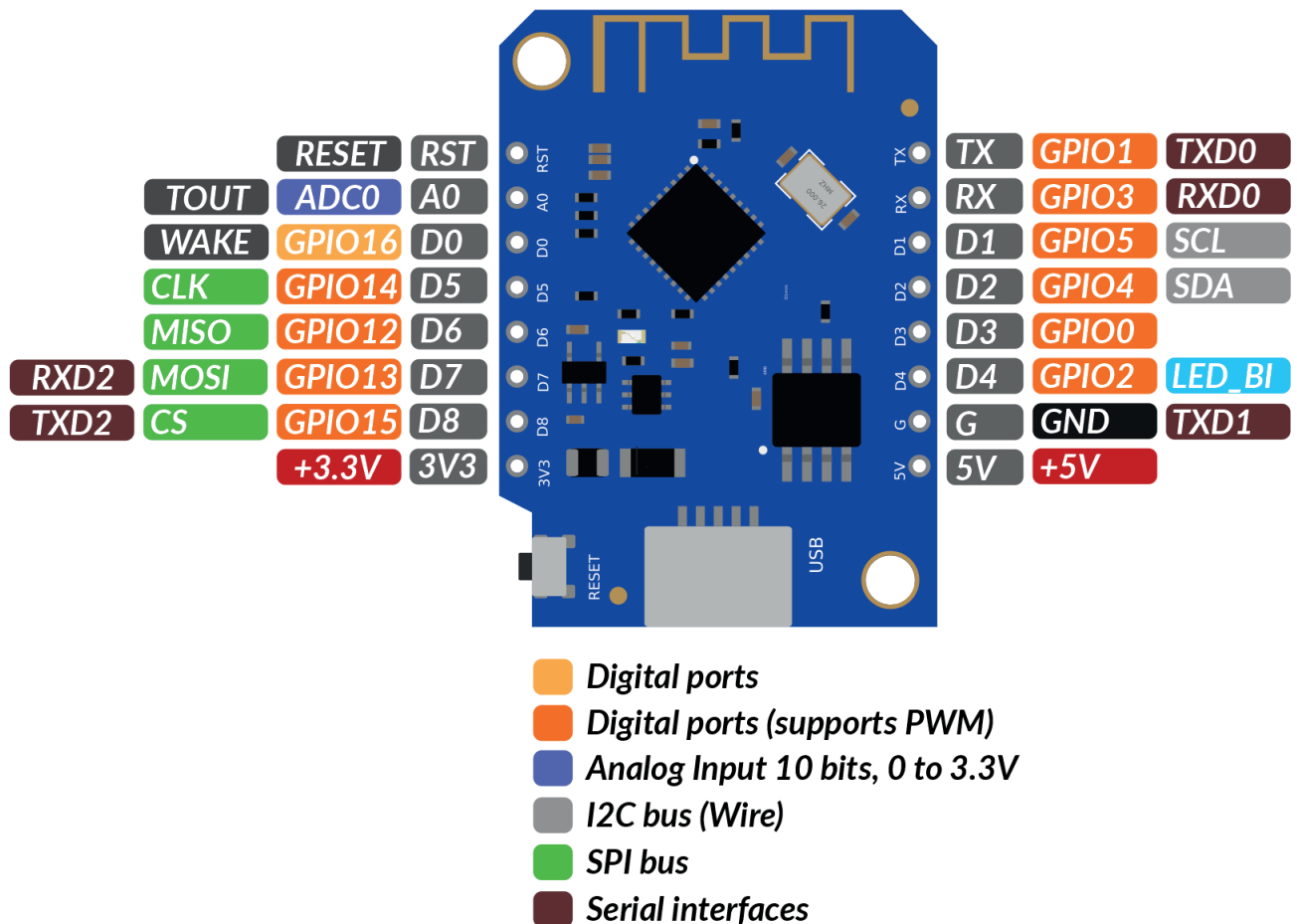
1. Specifications

| | |
|----------------------------|--|
| Operating voltage | 3.3V |
| Main chip | ESP8266-12F |
| Clock speed | 80MHz / 160MHz |
| Flash | 4MB |
| Digital I/O pins | 11 |
| Analog input pins | 1 |
| Analog input voltage range | from 0V to 3.3V |
| USB port | microUSB |
| USB chip | CH340C |
| Antenna | Ceramic (on-board), External connector |
| Dimensions | 25x35x6mm [0.98x1.4x0.24in] |

2. Features

- 802.11 b/g/n
- Integrated low power 32-bit MCU
- Integrated 10-bit ADC
- Integrated TCP/IP protocol stack
- Integrated TR switch, balun, LNA, power amplifier and matching network
- Integrated PLL, regulators, and power management units
- Supports antenna diversity
- Wi-Fi 2.4 GHz, support WPA/WPA2
- Supports STA/AP/STA+AP operation modes
- Supports Smart Link Function for both Android and iOS devices
- SDIO2.0, (H) SPI, UART, I2C, I2S, IRDA, PWM, GPIO
- STBC, 1 x 1 MIMO, 2 x 1 MIMO
- A-MPDU & A-MSDU aggregation and 0.4s guard interval
- Deep sleep power $< 10\mu\text{A}$, power down leakage current $< 5\mu\text{A}$
- Wake up and transmit packets in $< 2\text{ms}$
- Standby power consumption of $< 1.0\text{mW}$ (DTIM3)
- +20dBm output power in 802.11b mode
- Operating temperature range: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$

3. Pinout



Note: The D1 Mini V3 module has a 5V voltage output pin to power the external electronic devices connected to it, but it is not 5V tolerant! The 5V pin is power output pin, which outputs power from the microUSB port.

Note: The D1 Mini V3 module also has a 3.3V voltage output pin for powering external electronic devices. This is regulated 3.3V from the on-board 3.3V voltage regulator.