

PRODUCT DATASHEET



Smart LED WS2812B Stick10

333056

The Smart LED WS2812B Stick10 features 10 programmable LEDs, capable of displaying 16 million colors with simple Arduino control.

Full product documentation, files and tutorials: solde.red/333056

CORE ATTRIBUTES

SKU **333056**

WEIGHT **7 g**

BARCODE **732388671502**

DESCRIPTION

WS2812B is an extremely interesting LED that can emit light in red, green or blue - or any combination of these three colors, able to show a total of approximately 16 million different colors. On this board, diodes are arranged in a line of 10. You can even connect these sticks in a line. They are controlled by a single pin with only a few lines of code from Arduino IDE. That's possible thanks to the integrated controller inside the LED itself!

TECHNICAL DETAILS

- **Number of LEDs:** 10
- **Voltage:** 5V
- **LED type:** WS2812B
- **Current:** max 60mA per LED
- **Dimensions:** 80 × 10 mm / 3.1 × 0.4 inch

SPECIFICATIONS

INTERFACE	Digital Gpio
QWIIC COMPATIBLE	No
BREADBOARD COMPATIBLE	No
IC PART NUMBER	WS2812B
SUPPLY VOLTAGE MIN V	5
SUPPLY VOLTAGE MAX V	5
LOGIC LEVEL	

5V Only

OPERATING CURRENT (MA)

600 mA

LINKS

Arduino Library	https://github.com/SolderedElectronics/Soldered-WS2812-Smart-Leds-Arduino-Library
Open Source Hardware Files	https://github.com/SolderedElectronics/Smart-LED-WS2812B-Stick10-hardware-design
Full Documentation	https://docs.soldered.com/ws2812b/overview/
Arduino: Get Started	https://docs.soldered.com/ws2812b/arduino/getting-started/
Hardware Details	https://docs.soldered.com/ws2812b/hardware/
Arduino Library Documentation	https://docs.soldered.com/ws2812b/arduino/brightness-control/
MicroPython Module	https://github.com/SolderedElectronics/Soldered-WS2812-MicroPython-Library
mim_package	https://checkmim.com/packages/solderedelectronics+Soldered-WS2812-MicroPython-Library
Pinout	https://cms.soldered.com/products/333056/media/333056_pinout-png_e6c1cf.jpg

GALLERY

