

PRODUCT DATASHEET



Smart LED WS2812B Ring7

333055

The Smart LED WS2812B Ring7 features 7 RGB LEDs, capable of displaying 16 million colors, easily controlled with Arduino.

Full product documentation, files and tutorials: solde.red/333055

CORE ATTRIBUTES

SKU **333055**WEIGHT **5 g**BARCODE **732388671601**

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 circle. 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:** 7
- **Voltage:** 5V
- **LED type:** WS2812B
- **Current:** 18mA per LED
- **Circle diameter:** 23 mm / 0.9 inch

SPECIFICATIONS

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

OPERATING CURRENT (mA)	420 mA
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LINKS

Arduino Library	https://github.com/SolderedElectronics/Soldered-WS2812-Smart-Leds-Arduino-Library
Open Source Hardware Files	https://github.com/SolderedElectronics/Smart-LED-WS2812B-Ring7-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

GALLERY

