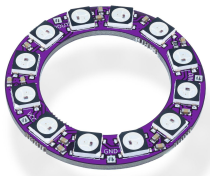


PRODUCT DATASHEET



Smart LED WS2812B Ring12

333070

The Smart LED WS2812B Ring12 features 12 RGB LEDs capable of displaying 16 million colors, easily controlled via Arduino.

Full product documentation, files and tutorials: solde.red/333070

CORE ATTRIBUTES

SKU **333070**WEIGHT **5 g**BARCODE **732388670406**

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 few lines of code from Arduino IDE. That's possible thanks to the integrated controller inside the LED itself!

TECHNICAL DETAILS

- **Number of LEDs:** 12
- **Voltage:** 5V
- **LED type:** WS2812B
- **Current:** 18mA per LED
- **Circle outer diameter:** 40 mm / 1.6 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)	720 mA
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LINKS

Arduino Library	https://github.com/SolderedElectronics/Soldered-WS2812-Smart-Leds-Arduino-Library
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

