

5050 addressable rgb led strip

Dongguan Zhiding Electronics Technology Co., Ltd could provide customized led strips service. Here the sample for SMD 5050 addressable RGB WS2812B magic dream color led strip 30 50 60 pixels.

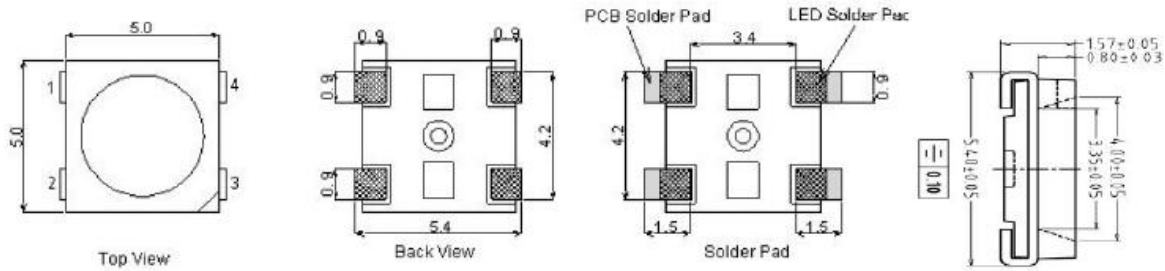


Product Description

WS2812B is an intelligent control LED light source that the control circuit and RGB chip are integrated in a package of 5050 components. Its internal include intelligent digital port data latch and signal reshaping amplification drive circuit. Also include a precision internal oscillator and programmable constant current control part, which achieves highly consistent color effect.

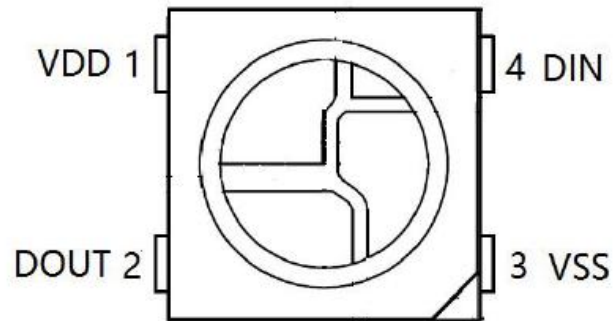
Dual-signal wires version, signal break-point continuous transmission. Any pixel's failure won't affect signal transfer and total emitting effect.

5050 RGB LED with inside IC dimension



Remarks: Dimension of 5.0*5.4*1.57mm, default Tolerance of 0.05mm.

PIN Configuration



Features and Benefits

The control circuit and RGB chip are integrated in a 5050 components, to form an external control pixel.

Intelligent Reverse-connection protection.

Dual-signal wires version, signal break-point continuous transmission.

Using the built-in signal reshaping circuit to achieve the signal waveform shaping, and no distortion of waveform of signal takes place.

The gray levels of each pixel are of 256 levels, which achieves “256*256*256=16777216” full-color display, and the refresh frequency reaches to 2KHz.

Serial cascade interface, data receiving and decoding depend on just one signal line.

Any two point the distance more than 5M transmission signal without any increase circuit.

When the refresh rate is 30fps, cascade numbers is at least 1024 pixels.

Data transmitting at speeds of up to 800Kbps.

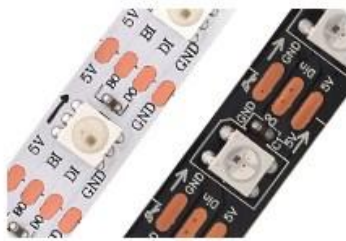
Good color consistency reliability, high cost-effective.

SMD5050 IC 2812B



Each LED is a segment, led pitch 16.7mm
2 signal line for breakpoint continuous transmission

4 pin JST connector + 2 pin power cable



White/Black PCB 2oz copper layer

Below is details for 60LEDs per meter

LED type	5050 RGB LED with built-in IC
LED Q'TY	60LEDs/m
Working Voltage	5V DC
Rated Power	18W/m
IC type	WS2813
Pixel	1 LED individual pixel
Cutable Segment	1 LED 16.7mm
PCB Width	10mm
PCB Color	White/ Black
Control Signal	SPI
Wiring	4 PIN JST M/Femal connector + 2Pin additional power cable
IP Rating	IP20,IP65/IP67/IP68 is optional
Package	5m or customized length packed in roll with anti-static foil bag

IP20 No waterproof light effect





IP65 Waterproof Silicone Sleeved lighting effect





WHY CHOOSE US



Customized design is available, OEM and ODM are welcomed.



We have best production capability, best quality control, best service.



Reply your inquiry in 24 working hours.



Customized design is available, OEM and ODM are welcomed

CERTIFICATION



ABOUT US

Dongguan Zhiding Electronics Technology Co., LTD is a high-tech enterprise specialized in manufacturing, designing and selling high quality LED lighting and LEDrelated products. Zhaoqing Factory has more than 1000 employees, including more than 80 technicians focused on research and development.

We have advanced testing equipment, can be "normal temperature continuo us light life test", "high temperature and high humidity cycle test", "cold and hot shock cycle test" and "high and low temperature storage test", "high and low temperature continuous light test", "salt spray test" and reliability test, for all kinds of product reliability test of periodic on a regular basis, provides the high quality for our product quality assurance.



COOPERATIVE CLIENT

F&C®

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Machine Vision

USI®
Realizing ICAS Together

**mega
cell_{line}**

UCHI

BlueSky

TOPBAND

GIROD

vtech®

SHIPPING

SHIPPING
SHIPPING

1. FedEx/DHL/UPS/TNT for samples, Door-to-Door
2. By Air or by Sea for batch goods, for FCL; Airport/ Port receiving
3. Customers specifying freight forwarders or negotiable shipping methods
4. Delivery Time: 3-7 days for samples; 5-25 days for batch goods



FAQ

Q1. What is the MOQ(Minimum Order Quantity)?

A4. For new customers, they can place a trial order to test the product's quality and then sales in their markets.

Q2. Can you provide customization and OEM service?

A2. Yes, we offer customization and OEM service, please tell us your requirements clearly.

Q3. Will you deliver the right goods as ordered? How can I trust you?

A3. Yes, we will. The core of our company culture is honesty and credit. We warmly welcome customer or his agent or his 3rd party come to our factory for detail checking. We protect customer's design, sales area competition, ideas of design and all of your private information.

Q4. Can you deliver in sufficient quantities all time?

A4. For general products, We have stock, shipment in 3 days once we receive the payment. If the order quantity is large, we hope customers place order 15 days in advance.

Q5. How about your supply ability?

A5. 10000M per month.

Q6. If your company can custom products as my required and put my LOGO on?

A6. All of our product are designed and customized as required including color, print, pattern and LOGO.

Sales Representative

Elsa Xiao

Oversea Sales Manager

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