GS8208-30/60/96/144Led Strip

ATTENTION
OBSERVE PRECAUTIONNS FOR HANDLING
ELECTROSTATIC SENSITIVE DEVICES

Pb Free

RoHS

Product Details:

Specifications:
IC type :GS8208 IC.
Gray level: 256.
View angle: 120°.
Input voltage: DC12V.
Color: full color 24-bit.
FPCB board color: White/Black.
Power: 0.3W/LED 30/60/96/144 LEDs/m.
Model: GS8208 strip 5050rgb chips.
Storage Temperature:-30-+95 °C.
Operating Temperature:-20 ~ +85°C.
Led Qty: 30/60/96/144pcs RGB SMD 5050 per meter.
The distance between two LEDs:30Leds/m -- 28mm, 60Leds/m -- 12mm, 96Leds/m -- 5.42mm.144Leds/m -- 1.92mm.
Wave length(nm):Red,650nm ; Green,520nm ; Blue,460nm.
Waterproof level: IP30: Non- waterproof, IP65: Waterproof in Silicon Coating, IP67: Waterproof in SiliconTube.
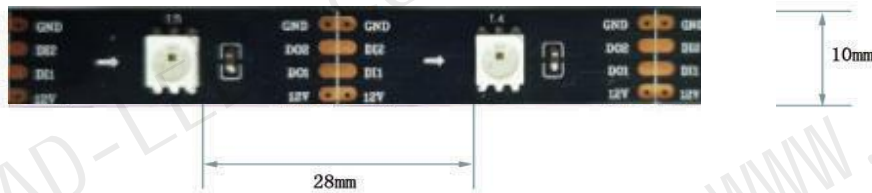1,LED Chip Material:
11 pcs Pure Gold Line, Copper Bracket (GS8208).
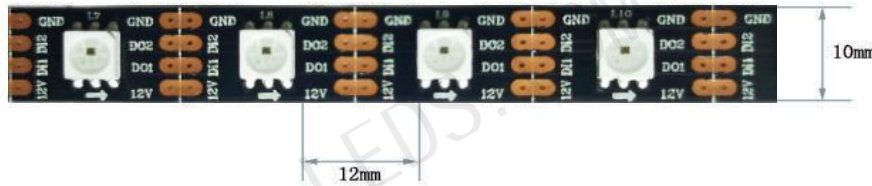2, LED IV Value Brightness:
Red: 300-600mcd, Green: 1500-2500mcd, Blue: 150-400mcd (GS8208).
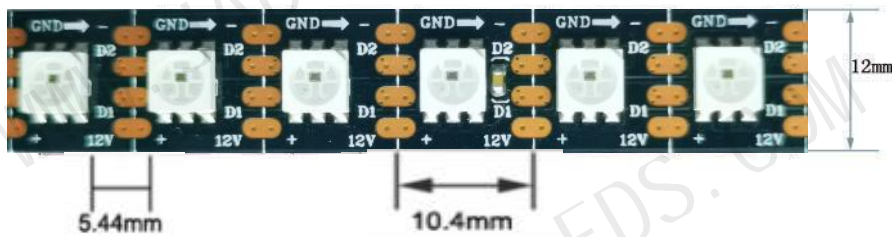3, Warranty Period of Led Strip: 36 Months (GS8208)
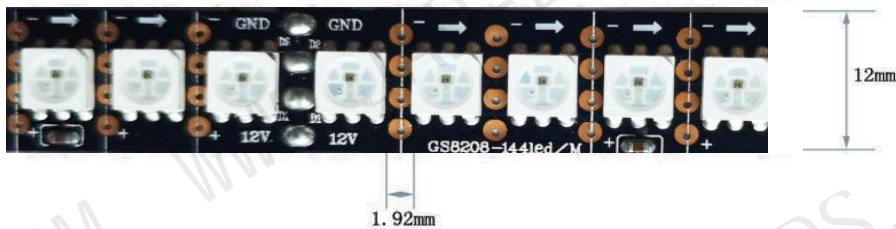4, LED Channel Order: RGB (GS8208)

30Leds/m

60Leds/m

96Leds/m

144Leds/m

IP30

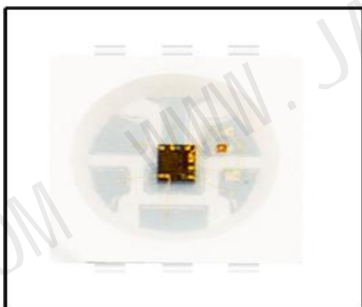Non-Waterproof

IP65

Waterproof in Silicon Coating

IP67

Waterproof in Silicone Tube

Main Feature:

(1)One pixel damaged will not affect the other LEDs working.

(2)The power protection,if +12V and GND reverse polarity,the LED will not be burned.

(3) Dual signal wires version, signal can jump to transfer.

(4)The original electronic devices integrated,it does not cause virtual welding in the installation process.

Features:

1, GS8208 chip built-in 7805, it can withstand the input voltage 9V-15V, operating voltage 12V.

2, Provide output channel current misalignment that can reduce electromagnetic interference and power clutter.

4, the chip has power-on protection and power-down protection features to enhance the life of the chip.

5, GS8208 provides SOP8 package type, working environment is between -40 °C to +85 °C.

6, Breakpoint continuous transmission function, single point chip damage or capacitor short circuit does not affect data transmission

7, Every each LED individually and you could set them to any color or animation you want.

8, It comes with self-adhesive 3M tape on its back, so you can fix it on any dry and flat surface without any screws and clips.

9, It comes with 4-pin JST SM connectors and separated power/ground wires on both ends, which makes it easy to hook up each other and wire up for power.

Individually Addressable

Size:5mmx5mm
Each LED Is Addressable
One IC Control One LED
(10Pcs Admixture Gold Line)

Cuttable

You Can Cut Each Led Strip
The Rest Of Them Still Work

3M Adhesive

IP30 & IP65 Have 3M Adhesive
IP67 Get No 3M Adhesive

2.13mm

IP30 Non Waterproof

IP30 Better Use Indoor
Avoid moisture

3mm

IP65 Waterproof

IP65 Can Use Indoor & Outdoor

3.85mm

IP67 Waterproof

IP67 Can Use Indoor & Outdoor

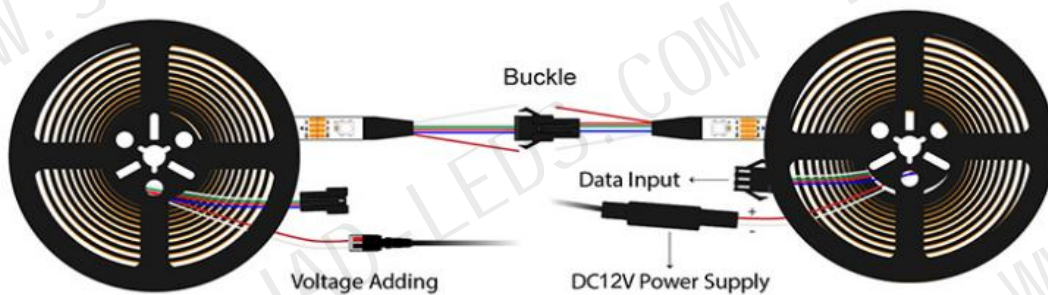**Ends of the LED Strip with 4Pin Connector.**

Male Connector (Data Output)

Female Connector (Data Input)

Voltage-Adding Wires

Buckle

Data Input ←

Voltage Adding

DC12V Power Supply

END TO END CONNECT

▪ End to End connect
▪ DC12V Voltage-Adding . It is Better to Add DC5V Voltage Every 16.4ft or 300EDs, Because the LEDs at the Far End of the Strip Might Be Dimmer.

Product Decsription:
1) 8208 Led Strip is Powered By "12V Power Supply" (Not Included).
2)You must need SP105E/SP107E/SP108E/T-1000S Controller to control it.
3) 4-Pin JST Connector Included: Black:VCC,
Green:DATA1,Red:DATA2,Blue:GND.
4) The Strip Has 3M Adhesive Tape On The Back(Except Ip67). Installation
Surface Must Be Smooth, Clean And Dry.
5) Led Strip Can Be Cut Between Every Led To Create Custom Lengths.
6)Do Not Bend Strip Sharply.
7)Longer Runs Should Be Powered From Both Ends To Reduce Voltage Drop.
8)4-Pin JST Connector Wire is 22AWG.

GS8208 LED STRIP

Signal Break-PointContinuous Transmission
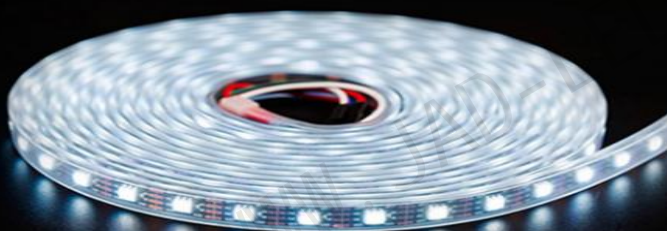If one LED is defective, the following LEDs can still work.
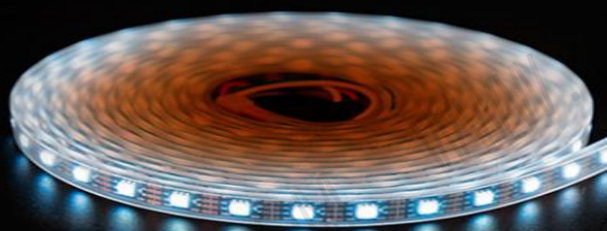
WS2815 LED Strip

WS2812B LED Strip

Voltage
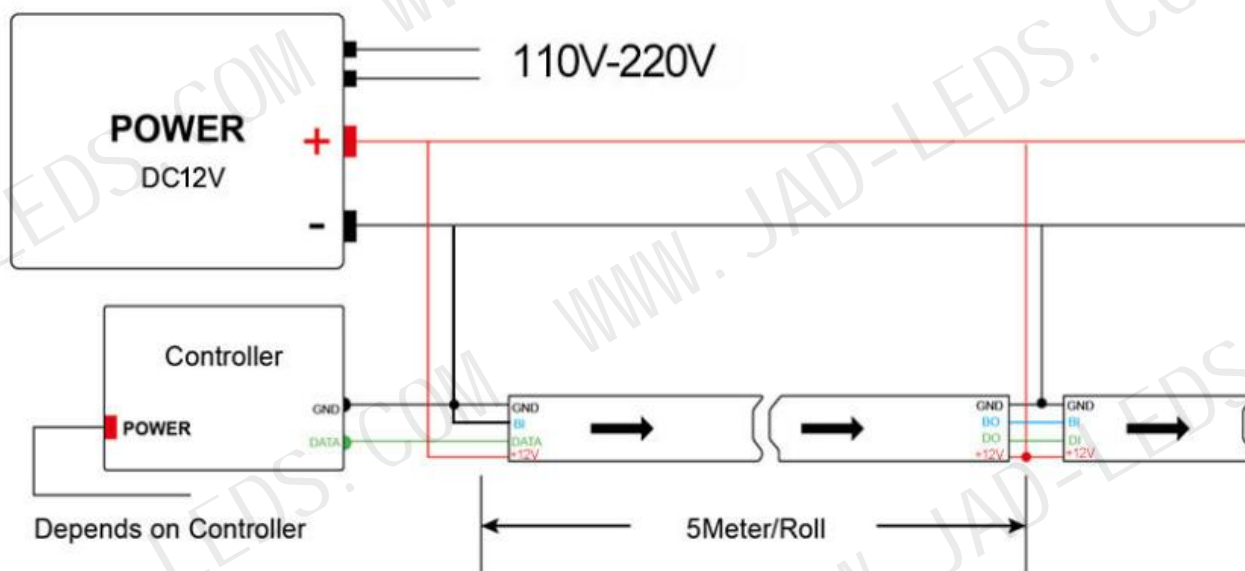12V No Voltage Drop for 5M/Roll on Full White at Sufficient Power Input.

GS8208 DC12V

WS2813 DC5V

Distribution Wiring Diagram

110V-220V

POWER DC12V

Controller

POWER

Depends on Controller

5Meter/Roll

Address: 4th Floor, Building C, No. 47, Baoshi East Road, Shuitian Community, Shiyan Street, Baoan District, Shenzhen, Guangdong, China.

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