DC5V-SK9822RGB-24/30/36/60/72/96/144Led/M Strip

一、 Parameters:

1.Product name: SK9822(similar with APA102) LED Pixel Strip

2.PCB color: White PCB / Black PCB

3.Number of lights: 24leds/m,30leds/m, 36leds/m,60leds/m, 72leds/m, 96leds/m, 144leds/m

4.Work voltage: DC5V

5.Grey   scale: 256.

6.Lighting angle: 120Degree

7.Life time: 50,000Hours

8.Certification: CE & ROSH

9.Warranty: 2Years

10.Working mode: External Controller

11.LED Chip :   MD5050 RGB LED with built-in improved version of APA102 IC

12.IC Type : SK9822(similar with APA102 ,1 IC drives 1 led chip)

13.Color: Full color RGB, dream color changing;

14.Power :

　　　24leds/m----7.2watt/meter; 30leds/m----9watt/meter;   36leds/m----12watt/meter

　　　60leds/m----18watt/meter ; 72leds/m----21.6watt/meter ;96leds/m----28.8watt/meter

　　　144leds/m----43.2watt/meter

15.FPCB Width:

　　　24led/m----10mm; 30led/m----10mm; 36led/m----10mm

　　　60led/m----12mm; 72led/m----12mm; 96led/m----12mm

　　　144led/m----12mm;

二、 Product Features:

1. Led strip welded by 0.5m is very normal in an electronic product.
2. AP102 Led strip can be cut buy every "one" led chip!
3. IP30: Non- Waterproof;IP65: Waterproof in Silicon Coating
   IP67: Waterproof in SiliconTube
4. Package: In anti-static bag,with 3M adhensive tape on the back(Except the Waterproof in SiliconTube)
5. Connection: VCC: Red wire; GND:Black wire; DAT:Green wire ; CK:Yellow wire
6. the control principle: an IC control an LED form a loop (a), the controller IC on the FPCB through the control circuit inside the control to control the LED lights change different effects;
7. environmental safety: high quality highlight SMD 5050 LED. With small power consumption, resulting in less heat, no glare, impact resistance and other characteristics. Low voltage DC 5V power supply, high security and reliability.
8. color can be varied by the controller needs to be adjusted according to the customer.
9. long life: average life expectancy of 50,000 hours.
10. cutting, welding facilitate freedom: each group of LED to form a loop, you can cut off any tangent meet customer requirements and demand for welding various lengths of light bar along the top.
11. soft: A soft FPCB board as a substrate, can butt, bending, cutting, and easily fixed to unsmooth surface.
12. light, thin: suitable for installation in narrow space inside

FEATURES

Individually Addressable

Every LED is Addressable. One IC Controls One LED.
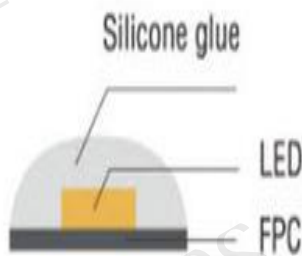
Cuttable

You Can Cut Every LED , The Rest Of Them Can Work Fine .
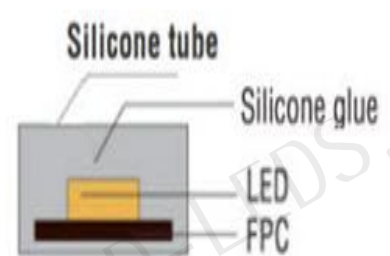
Adhesive

There is **Adhesive** On The PCB's Back.(Only IP30 And IP65) Note:IP67 Gets No **Adhesive**
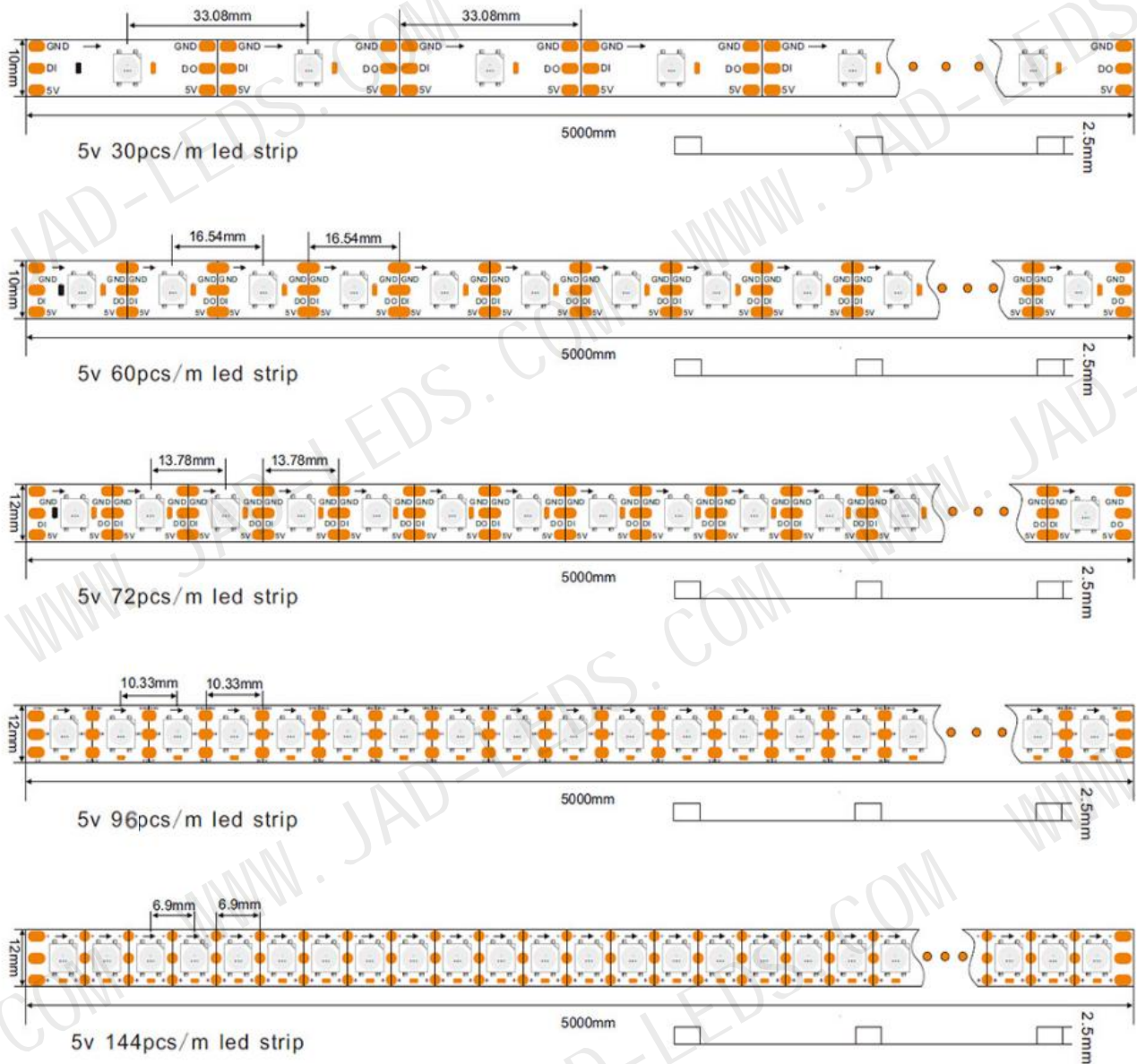

IP65 Waterproof

IP67 Waterproof

IP68 Waterproof

33.08mm **33.08mm** **5000mm**
5v 30pcs/m led strip

16.54mm **16.54mm** **5000mm**
5v 60pcs/m led strip

13.78mm **13.78mm** **5000mm**
5v 72pcs/m led strip

10.33mm **10.33mm** **5000mm**
5v 96pcs/m led strip

6.9mm **6.9mm** **5000mm**
5v 144pcs/m led strip

Product Decsription:

1) SK9822 Led Strip is Powered By "DC5V Power Supply" .

2)You must need SP105E/SP107E/SP108E/K-1000C Controller to control it.

3) 4-Pin JST Connector Included: Black:GND,

Green:DATA,Yellow:CLOCK,Red:VCC,

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 1Led 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.
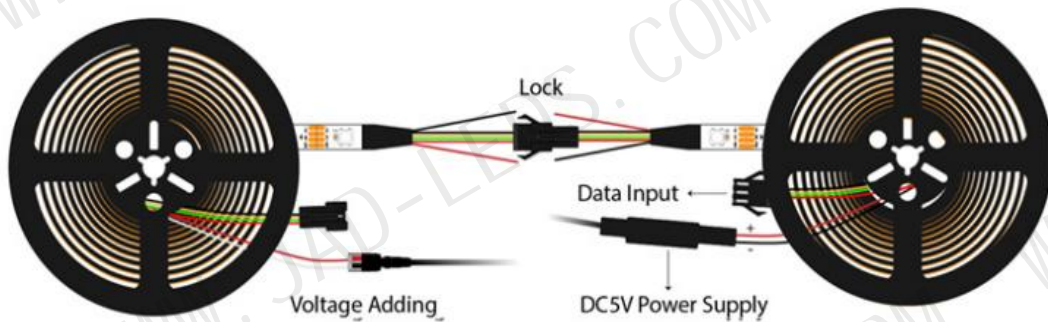
Ends of the LED Strip with 4Pin Connector.

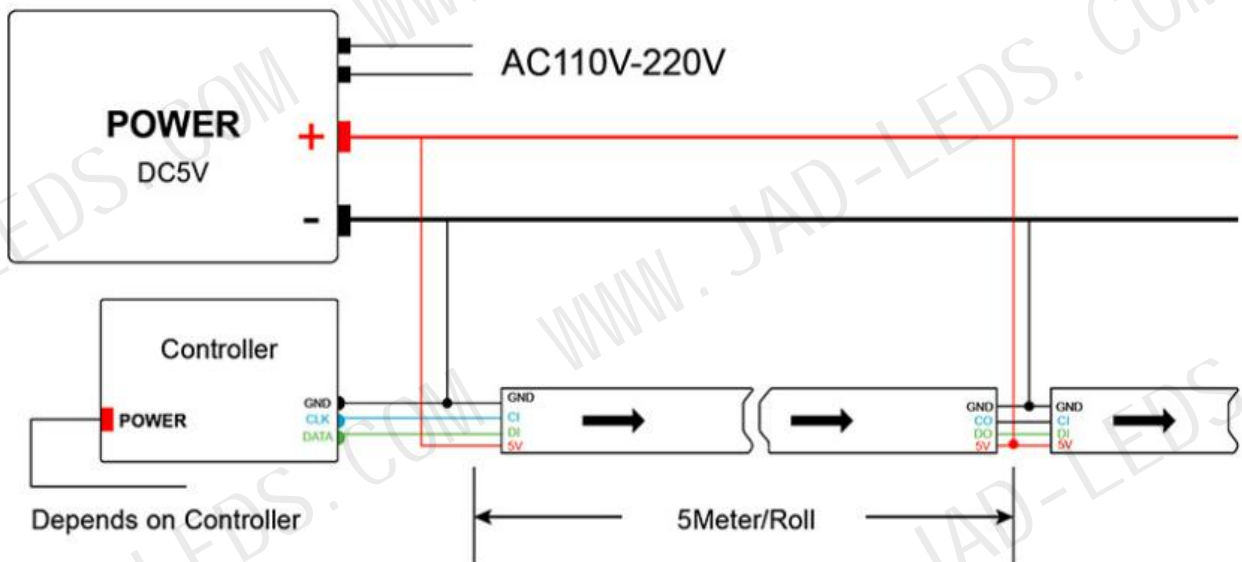Male Connector (Data Output)

Female Connector (Data Intput)

Voltage-Adding Wires

V+
V-

Lock

Data Input

Voltage Adding

DC5V Power Supply

END TO END CONNECT

• End to End connect
• DC5V 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.

Distribution Wiring Diagram

AC110V-220V

POWER
DC5V

Controller

POWER

Depends on Controller

GND
CLK
DATA

GND
CI
DI
5V

GND
CO
DO
5V

GND
CI
DI
5V

5Meter/Roll