Grove - RGB LED Stick (15-WS2813 Mini)

SKU 104020172

Grove - RGB LED Stick (15-WS2813 Mini) is a cost-effective full color LED stick with 15 chainable and programmable WS2813 mini LEDs.

We have already releasd the Grove RGB LED Ring family. Now we welcome their relatives which are the Grove RGB LED Stick family with 2 members.

- Grove RGB LED Stick (15-WS2813 Mini)
- Grove RGB LED Stick (20-WS2813 Mini)

This Grove - RGB LED stick is similar to Grove - RGB LED stick (10-WS2813 Mini) but more in the number of LEDs. It contains 15 LEDs.

You can control these 15 LEDs easily by only one signal input pin because of the integration circuit. Every LED on the board is addressable, so you can code your own project in different demands. What's more? The WS2813 Mini support signal break-point continuous transmission, which means you can still use other LEDs with one LED be broken.
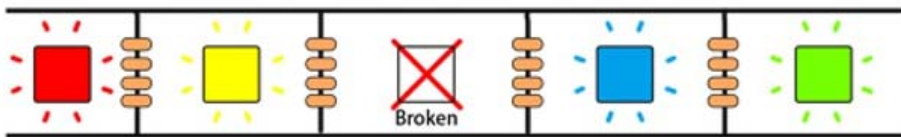
At last，you may use this stick to light up numbers of LEDs as you like with the help of Grove - RGB LED to be the bridge of two sticks or just out them in line. Hope you enjoy your innovation work and have fun!
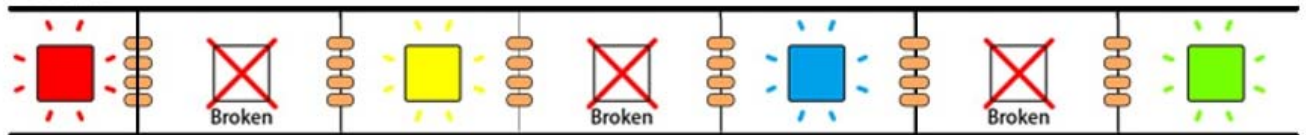
Features

- 256 gray levels, 256*256*256=16777216" full-color display
- Built-in control circuit in a 3535 components
- Chainable, can be cascaded with multiple LED rings
- Support 5V/3.3V power in, support 5V/3.3V control data level.
- Dual-signal wires, signal break-point continuous transmission
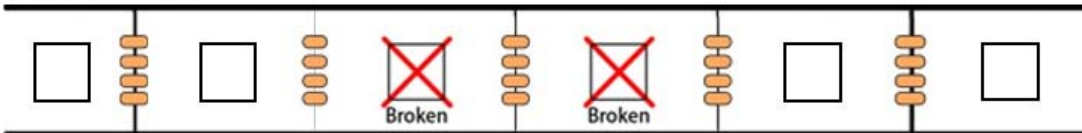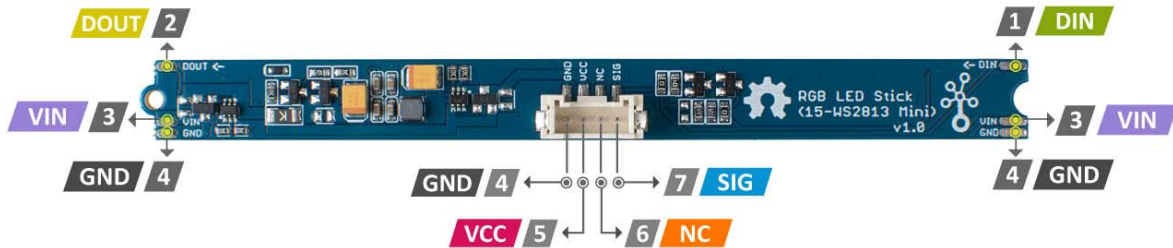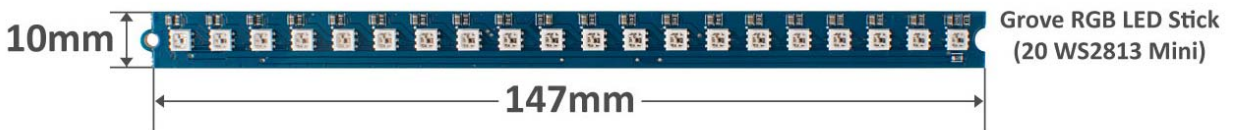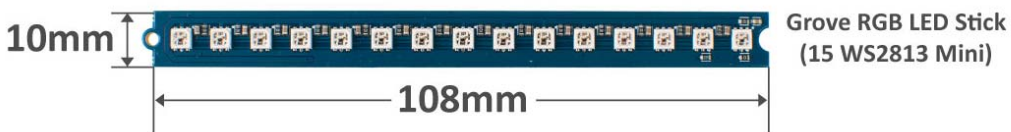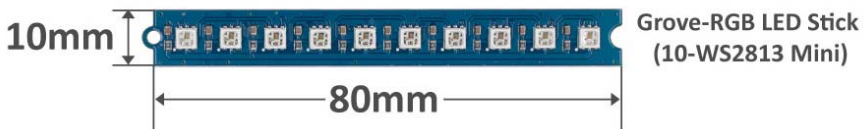
Signal break-point continuous transmission

As long as not two or more adjacent LEDs are broken, the remaining LEDs will be able to work normally

Hardware Overview
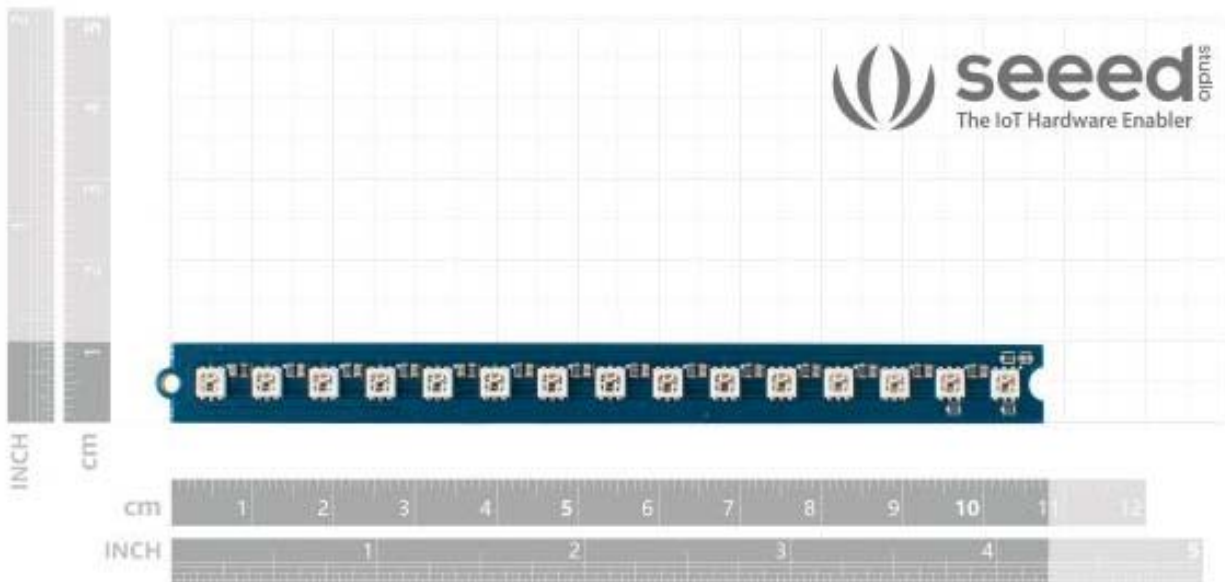

1 : Control data signal input*¹

2 : Control data signal output

3 : Power supply 5V/3.3V*²

4 : Connected to the system GND

5 : Power supply from Grove 5V/3.3V*²

6 : Not connected

7 : Control data signal input

from Grove connector*¹

Dimension

10mm

80mm

Grove-RGB LED Stick
(10-WS2813 Mini)

10mm

108mm

Grove RGB LED Stick
(15 WS2813 Mini)

10mm

147mm

Grove RGB LED Stick
(20 WS2813 Mini)

ECCN/HTS

HSCODE	9405409000
UPC	