



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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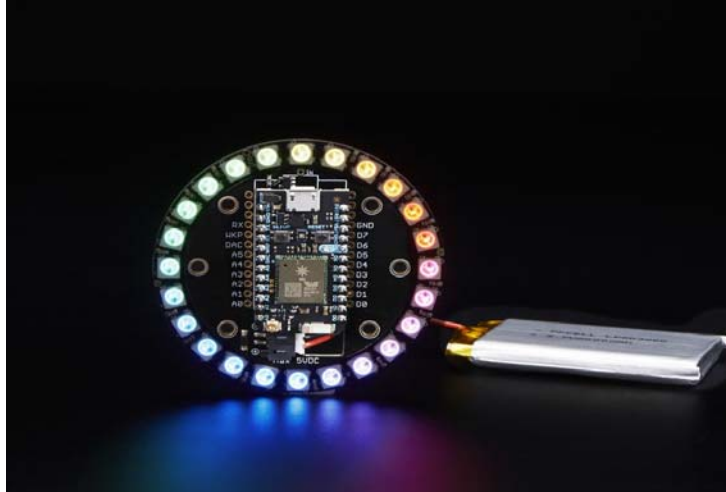
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# Particle/Spark NeoPixel Ring Kit – 24 NeoPixels

PRODUCT ID: 2268



## Description

Add some dazzle to your Spark Core or Photon with this custom-made NeoPixel ring kit! 24 ultra bright smart LED NeoPixels are arranged in a circle with 2.6" (66mm) outer diameter. Snap in your Spark and upload the NeoPixel library code to light up the LEDs, make an Internet of Blinky! Each LED is addressable as the driver chip is inside the LED. Each one has ~18mA constant current drive so the color will be very consistent even if the voltage varies, and no external choke resistors are required making the design slim. Power the whole thing with about 3.5–5.5 VDC battery pack and you're ready to rock.

To make your project portable, we have a JST connector for attaching an external battery. Power with 3.5 – 5.5V DC, a rechargeable LiPoly or Lilon cell battery works great, or 3xAAA or 3xAA battery pack. The JST included is so you can make your own battery connection. Use pin **D6** for the NeoPixel library code, all other pins are available to use and have two breakouts on either side so you can wire up other sensors or devices.

Comes as a single round PCB with 24 individually addressable RGB LEDs assembled and tested, two 12 pin 0.1" socket headers and a bonus JST cable. Some light soldering is required, you can solder the two sockets in place to allow unplugging of the Spark, or just solder it directly in place for a slimmer look.

**Please Note:** [Particle \(Spark\) Core/Photon](#) and [Battery](#) not included (but we do have them in the shop!)

# Technical Details

May ship with either WS2812B or SK6812-based LEDs. They are the same brightness, color and protocol

Diameter: 65.6mm / 2.6"

Product Weight: 14.2g / 0.5oz

