

2x3 LED RGB SK6812 Mini SMT Module v1.0

A Lego-compatible Crazy Circuits module

The WS2812B is an RGB LED that's addressable using the Adafruit Neopixel library for Arduino. Neopixels can be chained together by connecting the DOUT pin of one Neopixel to the DIN pin of the next Neopixel.

An onboard 0.1uF capacitor protects the Neopixel from the controller and the 470-ohm resistor on DIN helps the microcontroller talk reliably to the Neopixel.

Strings, rings, and chains of Neopixels can be found at [Adafruit](https://adafruit.com).

Bill of Materials

Ref	Qty	Description	Digikey PN
C1	1	CAP CER 0.1UF 25V X7R 0603	311-1341-1-ND
LED1	1	LED RGB SK6812MINI 4SMD	1528-1542-ND
R1	1	RES SMD 470 OHM 5% 1/4W 0603	RHM470DCT-ND

Manufacturing Notes

This board must be v-scored. Do not panelize with support tabs or mousebites.



