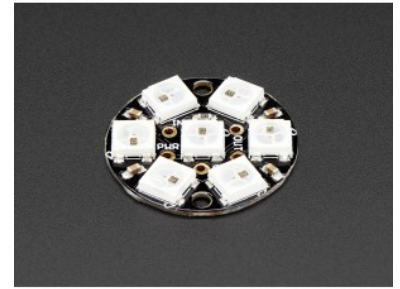




PRODUCT NAME : NeoPixel Jewel - 7 x
5050 RGB LED with Integrated Drivers

PRICE : Rs 699.00
SKU : RM3311



DESCRIPTION

Be the belle of the ball with the NeoPixel Jewel! We fit seven of our tiny 5050 (5mm x 5mm) smart RGB LEDs onto a beautiful, round PCB with mounting holes and a chainable design to create what we think is our most elegant (and evening-wear appropriate) NeoPixel board yet.

Use only one microcontroller pin to control as many as you can chain together! 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 5VDC and you're ready to rock.

The LEDs are 'chainable' by connecting the output of one Jewel into the input of another. There is a single data line with a very timing-specific protocol. Since the protocol is very sensitive to timing, it requires a real-time microcontroller such as an AVR, Arduino, PIC, mbed, etc. It cannot be used with a Linux-based microcomputer or interpreted microcontroller such as the netduino or Basic Stamp. Our wonderfully-written [Neopixel library for Arduino supports these pixels!](#) As it requires hand-tuned assembly it is only for AVR cores but others may have ported this chip driver code so please google around. An 8MHz or faster processor is required.

Comes as a single round board with 7 individually addressable RGB LEDs assembled and tested.