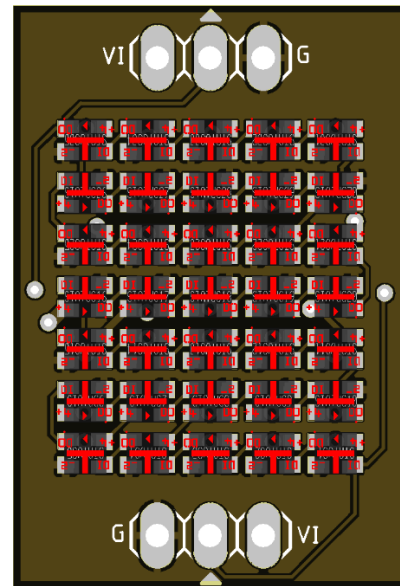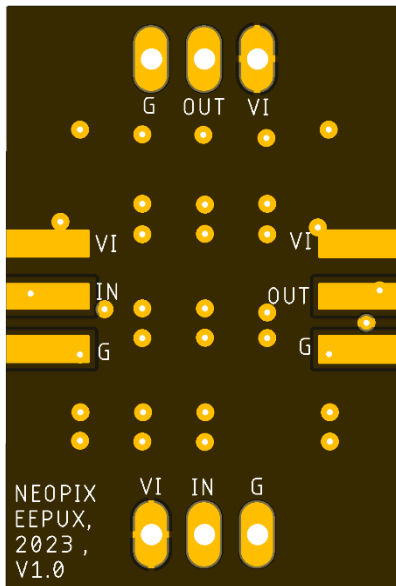# Neopix RGB LED Display

DESCRIPTION

The Neopix is a breadboard compatible RGB display consisting of 35 WS2812B 2020 LEDS that are chained in a series configuration. Each LED consists of a brightness control of 24 bits. 8 Bits for Red, 8 Bits for Green and 8 Bits for Blue. By having this control, you can explore the range of colours available to you using only a single pin on your microcontroller. In addition, the modules can also be connected to make a larger display. The input and output pins have been labelled for your convenience.

Whether you're using an Arduino, PIC microcontroller or any other platform, the limits of what you can do with these displays is truly up to you.

FEATURES

- 5x7 RGB Addressable LED Display with breadboard compatibility.
- 24 Bit colour control with 8 bits each for red, green, and blue.
- Module Size is 28mm * 19mm.
- Chainable nature allows a multitude of uses. E.g RGB signs, clocks and much more.
- The module contains through hole and surface mount pads.

PINOUT

VI = Supply Voltage: 3.3V to 5V
IN = Data In
OUT = Data Out
G = Ground