

1.2" 8x8 Matrix Square Pixel - Blue

PRODUCT ID: 1817

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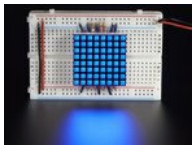
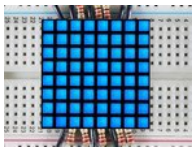
 Also include 1 x [Adafruit 1.2" 8x8 LED Matrix Backpack \(\)](#)

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DESCRIPTION

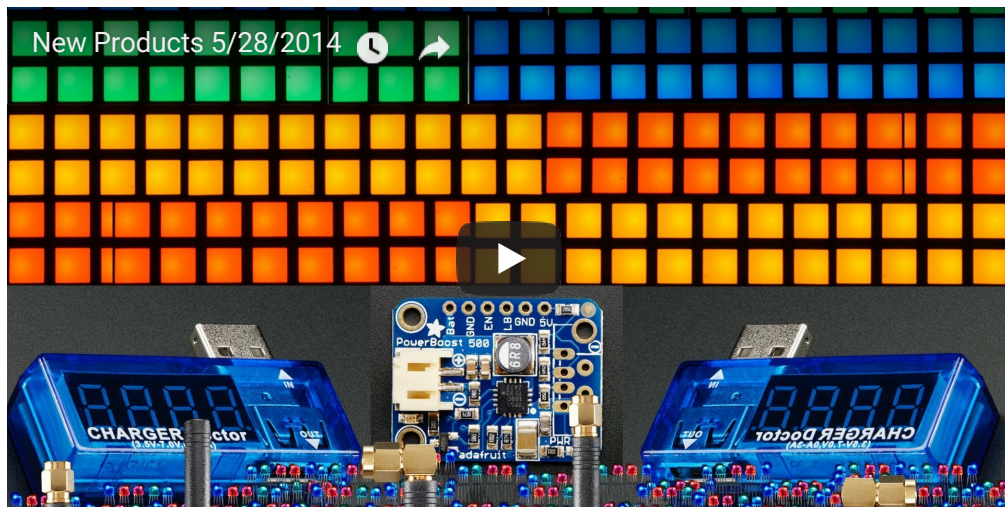
Make a scrolling sign, or a small video display with this 8x8 square gridded blue LED matrix. Only 1.2" on a side, it is quite visible but not so large it won't plug into a breadboard! 64 blue LEDs are contained inside the plastic body, in an 8x8 matrix. There are 16 pins on the side, 8 on each, with 0.1" spacing so you can easily plug it into a breadboard with one row on each side for wiring it up.

These LEDs have a deeper blue coloring, it's a beautiful shade but the process is different than

our other 1.2" blue LED matrices so be aware the colors wont match up exactly.

Since the display is in a grid, you'll need to 1:8 multiplex control it. We suggest either using a 74HC595 and TPIC6B595 (using the 74HC' to control the 8 anodes at once and then using the TPIC' to drive one cathode at a time) or just using a single MAX7219 which will do the multiplexing work for you.

The Arduino playground has a nice set of tutorials introducing the MAX7219 and 8x8 LED matrices



TECHNICAL DETAILS

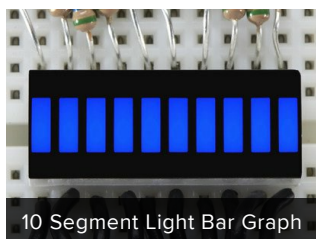
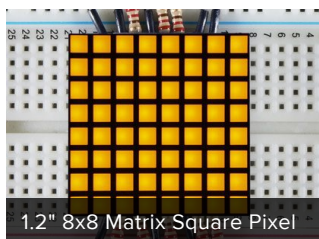
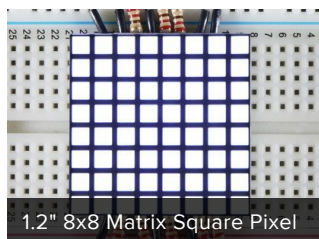
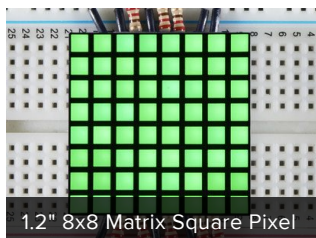
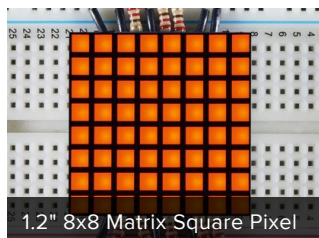
- [The Arduino playground has a nice set of tutorials introducing the MAX7219 and 8x8 LED matrices](#)
- [Using a high power shift register to drive 8x8 matrices with a NETduino](#)
- [Datasheet](#)
- This is a Common Cathode LED Matrix

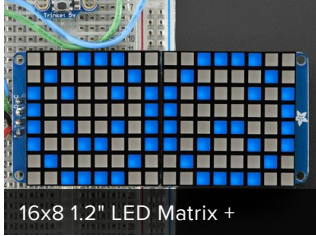
Dimensions:

- 31mm x 31mm x 7mm / 1.2" x 1.2" x 0.3"
- Height without Pins: 7mm / 0.3"
- Weight: 7.65g



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