

1.2" 8x8 Matrix Square Pixel - Amber - KWM-R30881CUAB

PRODUCT ID: 1818

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1

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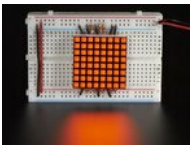
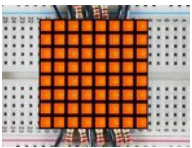
 Also include 1 x [Adafruit 1.2" 8x8 LED Matrix Backpack \(\)](#)

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DESCRIPTION

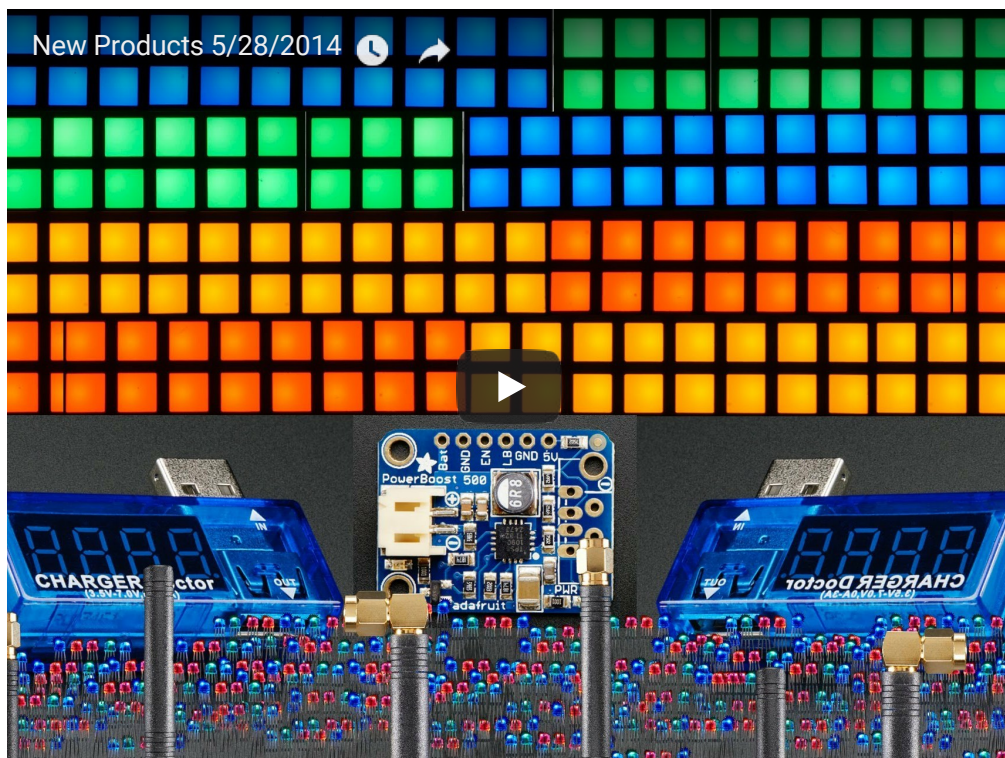
Make a scrolling sign, or a small video display with this 8x8 gridded square Amber LED matrix. Only 1.2" on a side, it is quite visible but not so large it won't plug into a breadboard! 64 Amber LEDs are contained inside the plastic body, in an 8x8 matrix. There are 16 pins on the side, 8 on each, with 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 amber coloring, it's a beautiful shade but the process is different

than [our other 1.2" yellow-orange/amber LED matrices](#) so be aware the colors won't match up.

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

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Using a high power shift register to drive 8x8 matrices with a NETduino

[Datasheet](#)

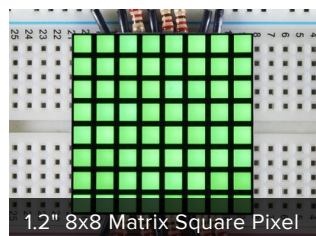
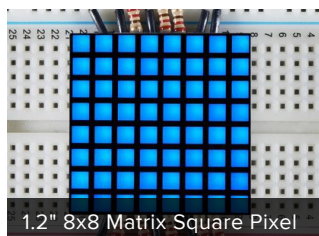
This is a Common Cathode LED Matrix

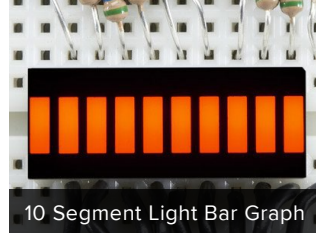
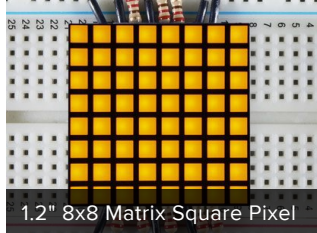
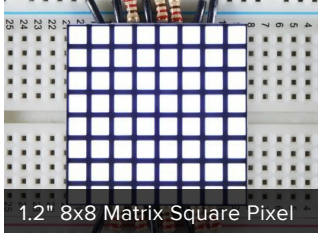
Dimensions:

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



MAY WE ALSO SUGGEST...





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- [Clay Shirky](#)



4.9 ★★★★★
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