

## Small 1.2" 8x8 Ultra Bright Yellow-Green LED Matrix - KWM-30881CUGB

PRODUCT ID: 1045

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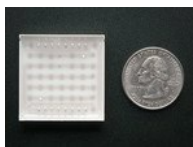
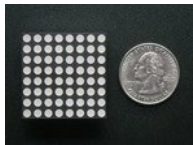
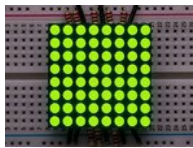
 Also include 1 x [Adafruit 1.2" 8x8 LED Matrix Backpack](#) ()

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[DESCRIPTION](#)[TECHNICAL DETAILS](#)

## DESCRIPTION

Make a scrolling sign, or a small video display with this 8x8 gridded yellow-green LED matrix. Only 1.2" on a side, it is quite visible but not so large it won't plug into a breadboard! 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.

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.

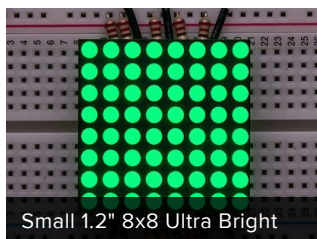
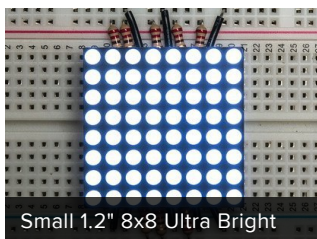
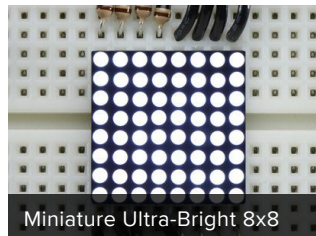
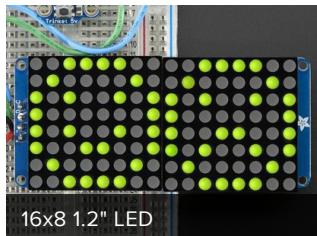
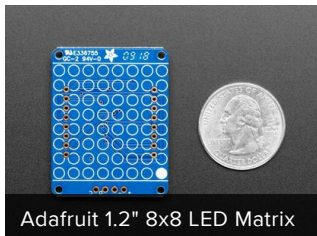
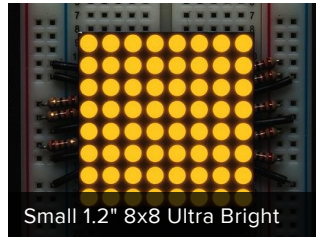
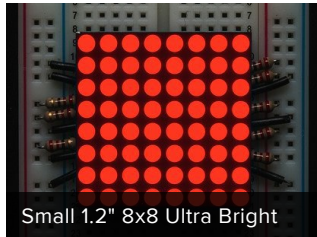
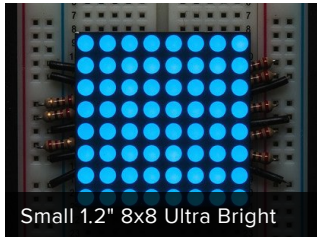
The [Arduino playground](#) has a nice set of tutorials introducing the [MAX7219](#) and 8x8 LED matrices

# TECHNICAL DETAILS

- This is a Common Cathode LED Matrix
- [The datasheet](#) contains all technical details for this part
- [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
- Weight: 9.1g



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