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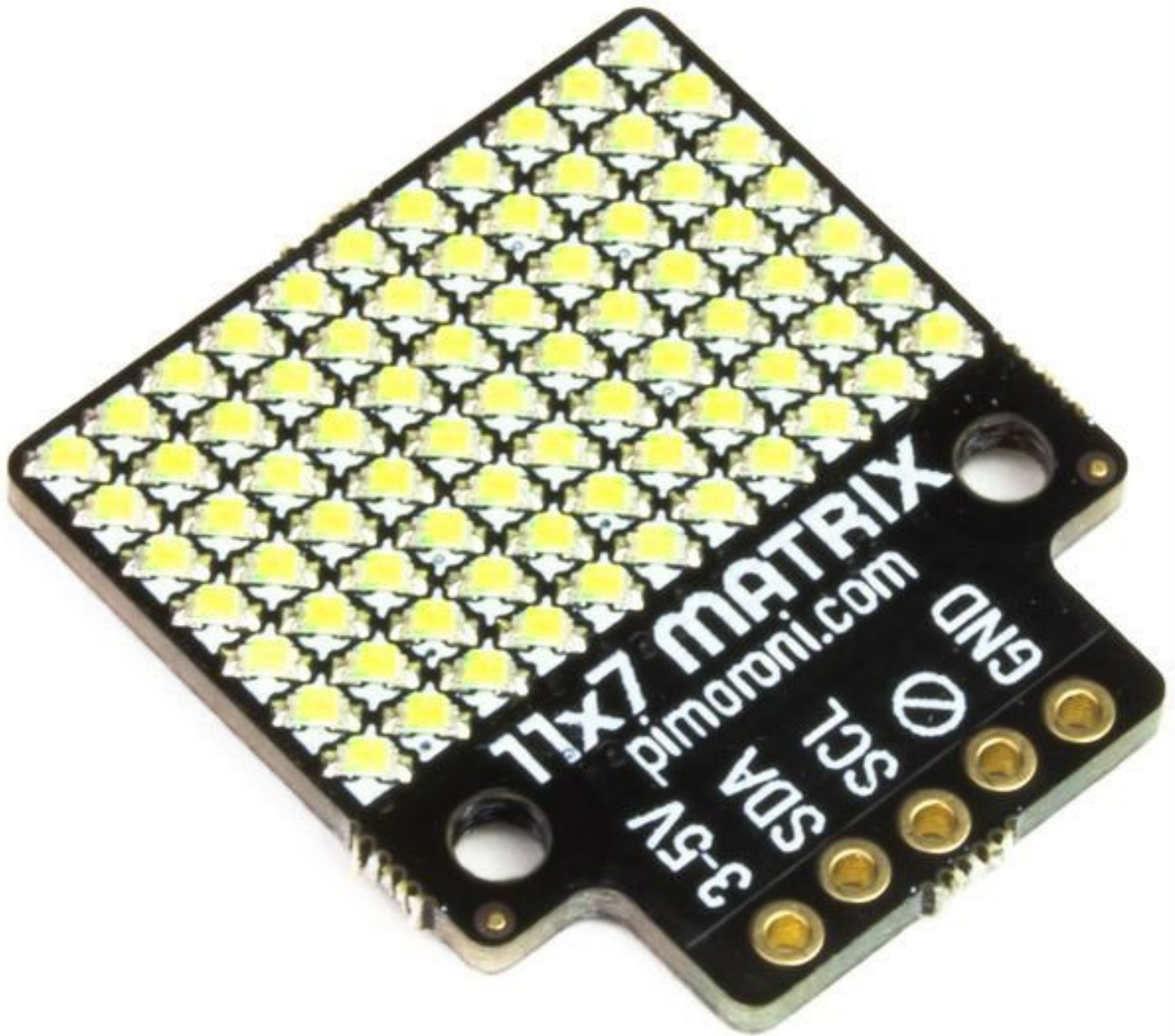
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11x7 LED Matrix Breakout

A tiny, tightly-packed matrix of 77 individually-controllable bright white LEDs. Ideal for scrolling text, animations, bar graphs, or just general illumination, and it's Raspberry Pi and Arduino-compatible. [Read more...](#)

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PIM442

★★★★★ (4)

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- Compatible with Breakout Garden
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Quantity:

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ADD TO CART 

A tiny, tightly-packed matrix of 77 individually-controllable bright white LEDs. Ideal for scrolling text, animations, bar graphs, or just general illumination, and it's Raspberry Pi and Arduino-compatible.

This tiny, white LED matrix has 77 pixels packed onto a board that's the same size as a postage stamp! Each LED's brightness can be controlled individually, meaning that you can display all sorts of cool text, animations, and more on it. Why not use it as a controllable light source for your [Raspberry Pi Camera](#)?

Like [our other breakouts](#), this one just pops straight onto your Pi's pins once you've soldered on the included right-angle female header, and we included a trace that can be cut to change the I2C address from 0x75 to 0x77, if you want to use two matrices at once!

It's compatible with our fancy [Breakout Garden HAT](#), where using breakouts is as easy just popping it into one of the six slots and starting to grow your project, create, and code.

Features

- 11x7 (77 total) bright white LEDs
- Uses the **IS31FL3731 driver chip**
- 22x14mm active area
- 2mm LED pitch
- I2C interface (address 0x75/0x77 (cut trace))
- 3.3V or 5V compatible
- Reverse polarity protection
- Compatible with all models of Raspberry Pi, and Arduino
- **Python library**

Kit includes

- 11x7 LED Matrix Breakout
- 1x5 male header
- 1x5 female right-angle header

We've designed this breakout board so that you can solder on the piece of right-angle female header and pop it straight onto the bottom left 5 pins on your Raspberry Pi's GPIO header (pins 1, 3, 5, 7, 9).

Software

We've put together a [Python library](#) to make it really easy to drive the 11x7 LED Matrix Breakout, along with a handful of [examples](#) to show what it can do.

Our software does not support Raspbian Wheezy.

Notes

Dimensions: 23x25x3mm.





11x7 MATRIX

pimoroni.com

3-5V

SDA

SCL



GND



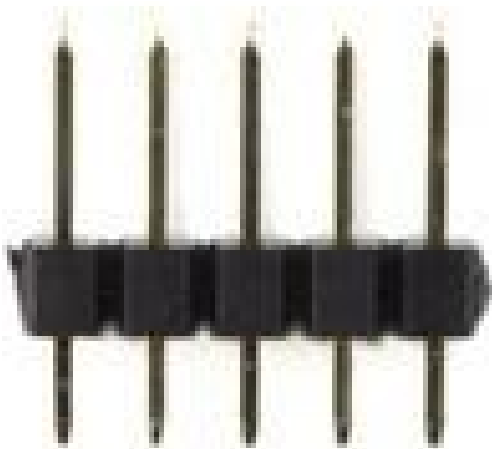
11x7 MATRIX
IS31FL3731

5V
OK

CH ADDR+2

I2C: 0x75 or 0x77





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