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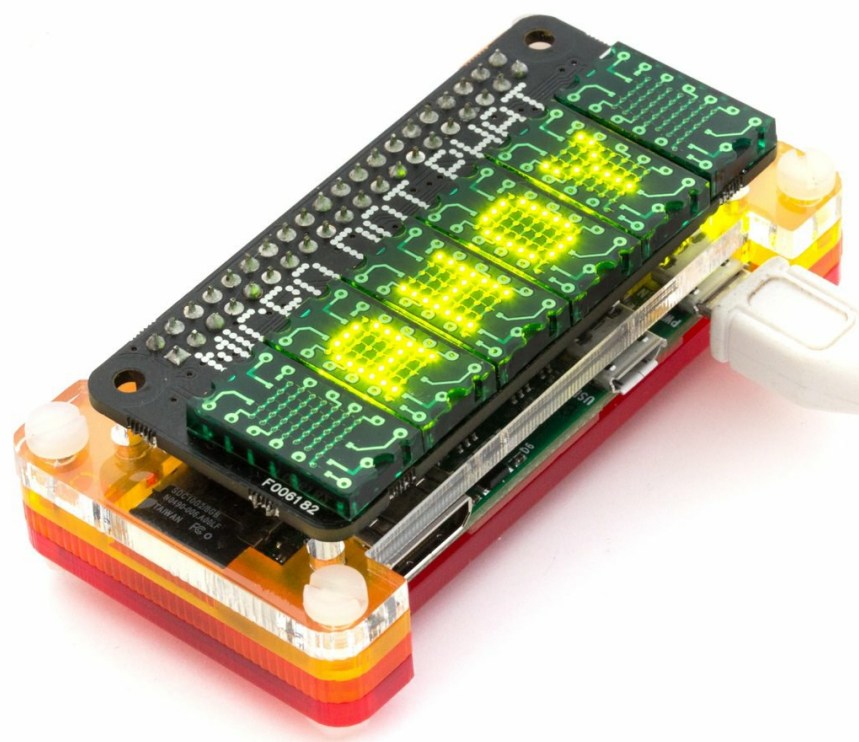


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Full kit - Green – Micro Dot pHAT

An unashamedly old school LED matrix display board, made up of six LED matrices each 5x7 pixels (for an effective display area of 30x7) plus a decimal point, using the beautiful little Lite-On LTP-305 matrices. [Read more...](#)

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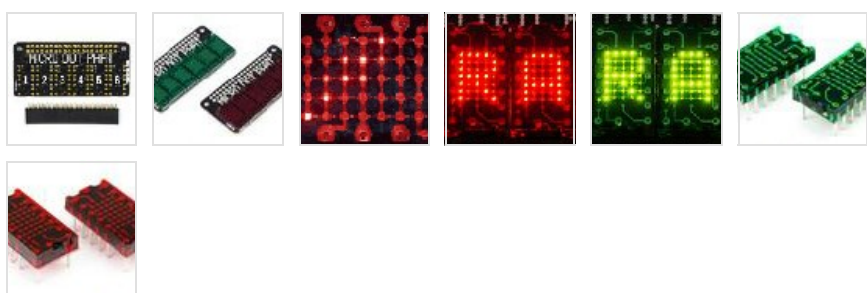
-  Full kit - Green
-  Full kit - Red
-  pHAT only

Essential extras

- Red – LTP-305 LED matrix (pair)
- Green – LTP-305 LED matrix (pair)

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Micro Dot pHAT

An unashamedly old school LED matrix display board, made up of six LED matrices each 5x7 pixels (for an effective display area of 30x7) plus a decimal point, using the beautiful little Lite-On LTP-305 matrices.

Use between 1 and 6 matrices in your choice of green and/or red. Perfect for building a retro scrolling message display, a tiny 30-band spectrum analyser, or a retro clock.

Micro Dot pHAT also works well with our other pHATs and HATs. You could use it in combination with [pHAT DAC](#) to display the audio spectrum, or with [Enviro pHAT](#) to display its temperature, pressure and light

readings.

The MagPi said that Micro Dot pHAT was "*certainly a cut above the standard seven-segment alternative*" in their four star review.

Available either as a bare pHAT or as a kit with 6 red or green LED modules (you'll need to solder them yourself)

Features

- 3x IS31FL3730 LED matrix driver chips
- Drives up to 6x LTP-305 green and/or red LED matrices
- Up to 30x7 pixels (5x7 per matrix plus a decimal point)
- [Micro Dot pHAT pinout](#)
- Compatible with Raspberry Pi 3B+, 3, 2, B+, A+, Zero, and Zero W
- [Python library](#)
- **Female header and display require soldering**

Software

We've put together a comprehensive [Python library](#) to make using Micro Dot pHAT really simple, as well as a [guide to assembling it](#), and a [getting started guide](#) to show you how to install and use the Python library.

Our software does not support Raspbian Wheezy.

Reviews



8 Reviews

WRITE A REVIEW

Matthew Fo... ★★★★★

The LED matrices look amazing, proper retro futuristic styling and very easy to build as well. The python library is very easy to use and I was up and running in no time.

27 days ago

Ladislav Ko... ★★★★★

This is very nice retro display, I am planning to use it for a clock project. Assembly is quite straight forward, but one must make sure the displays are properly pressed to the PCB, otherwise they will get misaligned. It would be convenient to have Arduino libraries for it too!

42 days ago

Sam Pikesley ★★★★★

The first thing I did was wrap a REST API around it:
<https://github.com/pikesley/pHAT-REST/blob/master/README.md> Then I built a Towers Of Hanoi solver to run on it:
<http://sam.pikesley.org/projects/hanoi-jane/> This thing really is a lot of fun, think I might get a green one next...

8 months ago

Ashley ★★★★★☆

I'm fairly experienced with soldering so it didn't take me too long to build the

★ REVIEWS

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4.9 ★★★★★
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