



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Blinkt! PIM184



Eight super-bright RGB LED indicators that are ideal for adding visual notifications to your Raspberry Pi without breaking the bank!

Inspired by Alex Ellis' work with his Raspberry Pi Zero Docker Cluster, we developed these boards for him to use as status indicators. Blinkt! offers eight APA102 pixels in the smallest (and cheapest) form factor to plug straight onto your Raspberry Pi.

Each pixel on Blinkt! is individually controllable and dimmable allowing you to create gradients, pulsing effects, or just flash them on and off like crazy. The data and clock lines are connected to GPIO #23 and #24 respectively but for simplicity you can just use our Python library to drive them.

### Features

- Eight APA102 RGB LEDs
- Individually controllable pixels
- Sits directly on top of your Pi in a tiny footprint
- Fits inside most Pi cases
- Doesn't interfere with PWM audio
- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- Python library
- Comes fully assembled

## Software

Our Blinkt! Python library will have you blasting out rainbows in two shakes of a unicorn's tail! There's a stack of examples too, from binary clocks to cheerlights and flickering candles to Larson scanners!

## Notes

- **Be careful to plug in your Blinkt! the correct way round, it has curves on the top that match the corners of your Raspberry Pi.**
- If you want to access the rest of the GPIO at the same time as using Blinkt! then our Mini Black HAT Hack3r is the ideal accompaniment, allowing you to combine Blinkt! with another HAT or pHAT, or just prototype using the GPIO pins for your own project.
- The dimensions of Blinkt! are 65mm long x 8mm wide x 8.5mm thick (thickness includes header and pixels).

We featured Blinkt! on a special episode of Bilge Tank where we tried to come up with as many different code examples as possible in one morning. Check it out below.