















































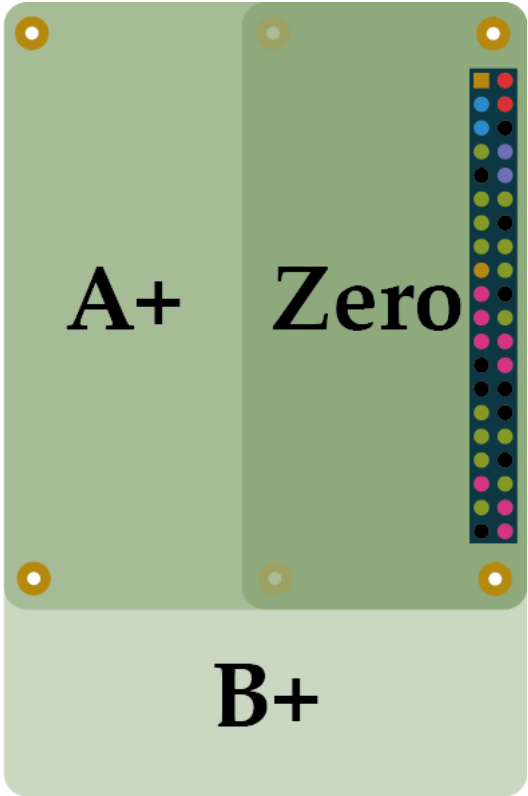


3v3 Power	1			2	5v Power
GPIO 2 (I2C1 SDA)	3			4	5v Power
GPIO 3 (I2C1 SCL)	5			6	Ground
GPIO 4 (GPCLK0)	7			8	GPIO 14 (UART TX)
Ground	9			10	GPIO 15 (UART RX)
GPIO 17	11			12	GPIO 18 (Data)
GPIO 27	13			14	Ground
GPIO 22	15			16	GPIO 23
3v3 Power	17			18	GPIO 24
GPIO 10 (SPI0 MOSI)	19			20	Ground
GPIO 9 (SPI0 MISO)	21			22	GPIO 25
GPIO 11 (SPI0 SCLK)	23			24	GPIO 8 (SPI0 CE0)
Ground	25			26	GPIO 7 (SPI0 CE1)
GPIO 0 (EEPROM SDA)	27			28	GPIO 1 (EEPROM SCL)
GPIO 5	29			30	Ground
GPIO 6	31			32	GPIO 12 (PWM0)
GPIO 13 (PWM1)	33			34	Ground
GPIO 19 (PCM FS)	35			36	GPIO 16
GPIO 26	37			38	GPIO 20 (PCM DIN)
Ground	39			40	GPIO 21 (PCM DOUT)

## Legend

Orientate your Pi with the GPIO on the right and the HDMI port(s) on the left.

-  GPIO (General Purpose IO)
-  SPI (Serial Peripheral Interface)
-  I<sup>2</sup>C (Inter-integrated Circuit)
-  UART (Universal Asynchronous Receiver/Transmitter)
-  PCM (Pulse Code Modulation)
-  Ground
-  5v (Power)
-  3.3v (Power)



1-WIRE	Ground	JTAG	3v3 Power	PWM	SPI	PCM	GPCLK	UART	DPI
					5v Power		SDIO	WiringPi	I2C

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# Unicorn HAT

64 blindingly bright LEDs packed into a HAT and driven with an ultra-fast, C library that you can talk to from Python make Unicorn HAT PiGlow's bigger, brighter brother.

Note: Unicorn HAT uses some special PWM trickery, performed with the same hardware that lets your Pi produce sound through the audio jack ( analog audio ) so you can't use both at the same time!

To get the HAT set up and ready to go you can use the one-line product installer:

```
1. curl -sS https://get.pimoroni.com/unicornhat | bash
```

Then import it into your Python script and start tinkering:

```
1. import unicornhat
2. unicornhat.set_pixel(0, 0, 255, 255, 255)
3. unicornhat.show()
```

## Details

- Made by [Pimoroni](#)
- HAT form-factor
- EEPROM product ID
- Needs 5v power
- Uses 1 GPIO pins
- [More Information](#)
- [GitHub Repository](#)
- [Buy Now](#)

