Raspberry Pi Pinout

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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 (LED Red)	11	12	GPIO 18 (PCM CLK)
GPIO 27 (LED Green)	13	14	Ground
GPIO 22 (LED Blue)	15	16	GPIO 23
3v3 Power	17	18	GPIO 24 (Button Y)
GPIO 10 (LCD SPI MOSI)	19	20	Ground
GPIO 9 (LCD Data/Command)	21	22	GPIO 25 (LCD TE)
GPIO 11 (LCD SPI SCLK)	23	24	GPIO 8 (SPI0 CE0)
Ground	25	26	GPIO 7 (LCD SPI CS)
GPIO 0 (EEPROM SDA)	27	28	GPIO 1 (EEPROM SCL)
GPIO 5 (Button A)	29	30	Ground
GPIO 6 (Button B)	31	32	GPIO 12 (PWM0)
GPIO 13 (LCD Backlight)	33	34	Ground
GPIO 19 (PCM FS)	35	36	GPIO 16 (Button X)
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^{2}C (Inter-integrated Circuit)
UART (Universal Asyncronous Receiver/Transmitter)
PCM (Pulse Code Modulation)
Ground
5v (Power)
3.3v (Power)
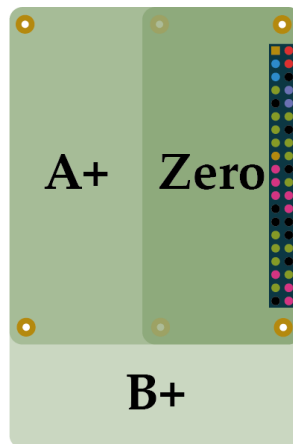
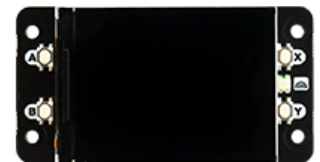

A+   Zero

B+

Pimoroni Display HAT Mini

A 2.0" 320x240 ST7789V2-based LCD display for your Raspberry Pi. Featuring 4 face buttons and an RGB LED for controlling and monitoring your projects.

Features

- 2.0" 320x240 SST7789V2-based LCD
- LCD TE (Tear Effect) pin connected
- 4 tactile buttons
- Breakout Garden Header
- Qw'St (Qwiic/Stemma) connector
- RGB LED
- Use with Python
- Mirror desktop with fbcp

Details

- Made by Pimoroni
- 40 pin header
- Needs 5v and 3v3 power
- Uses 13 GPIO pins
- GitHub Repository
- Buy Now