Raspberry Pi Pinout

3v3 Power	1	2	5v Power	
BCM 2 (SDA)	3	4	5v Power	
BCM 3 (SCL)	5	6	Ground	
BCM 4 (GPCLK0)	7	8	BCM 14 (TXD)	
Ground	9	10	BCM 15 (RXD)	
BCM 17 (Chip Busy)	11	12	BCM 18 (PWM0)	
BCM 27 (Chip Reset)	13	14	Ground	
BCM 22 (Chip Command)	15	16	BCM 23	
3v3 Power	17	18	BCM 24	
BCM 10 (MOSI)	19	20	Ground	
BCM 9 (MISO)	21	22	BCM 25	
BCM 11 (SCLK)	23	24	**BCM 8 (Chip Select)**	
Ground	25	26	BCM 7 (CE1)	
BCM 0 (ID_SD)	27	28	BCM 1 (ID_SC)	
BCM 5	29	30	Ground	
BCM 6	31	32	BCM 12 (PWM0)	
BCM 13 (PWM1)	33	34	Ground	
BCM 19 (MISO)	35	36	BCM 16	
BCM 26	37	38	BCM 20 (MOSI)	
Ground	39	40	BCM 21 (SCLK)	

Legend

- GPIO (General Purpose IO)
- SPI (Serial Peripheral Interface)
- I²C (Inter-integrated Circuit)
- UART (Universal Asyncronous Receiver/Transmitter)
- Ground
- 5v (Power)
- 3.3v (Power)

Inky pHAT

Inky pHAT is a low-energy, red/black/white electronic paper display for the Raspberry Pi. Multi-colour EPD displays, like the one on Inky pHAT, use ingenious electrophoresis to pull coloured particles up and down on the display. The coloured particles reflect light, unlike most display types, so they're visible under bright lights.

The unit comes fully-assembled, with the display securely stuck down to the Inky pHAT PCB and connected via a ribbon cable. The Inky pHAT is compatible with all 40-way Raspberry Pis.

To get the pHAT up and running, you can use the one-line product installer:

```
1.  curl https://get.pimoroni.com/inkyphat | bash
```

And follow the instructions!

Details

- Made by Pimoroni
- pHAT form-factor
- Needs 5v and 3v3 power
- Uses 6 GPIO pins
- Communication over SPI
- More Information
- GitHub Repository
- Buy Now

Spotted an error, want to add your board's pinout? Head on over to our GitHub repository and submit an Issue or a Pull Request!
Originally part of pi.gadgetoid.com. Tweet us at @PiPinout. Maintained by @Gadgetoid and @RogueHAL13.
Want to help make Pinout.xyz better? Please support us at GitHub or Patreon.com