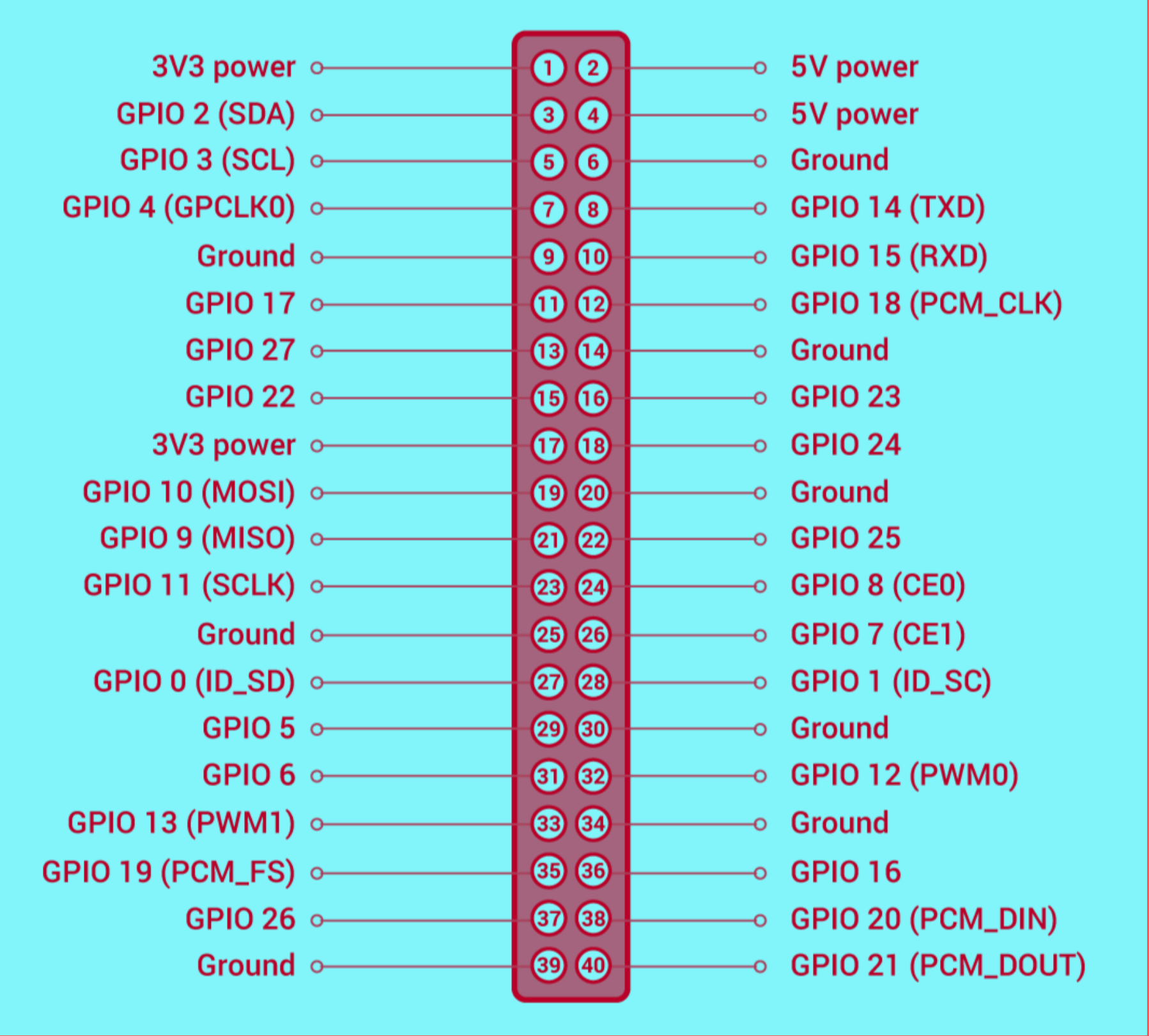


RASPBERRY PI PINS

CHEAT SHEET



Pin		No.(s)	Function
VCC (Voltage at the Common Collector) - 3.3V / 5V		3.3V: 1, 17 5V: 2, 4	Power supply for components
GND (Ground)		6, 9, 14, 20, 25, 30, 34, 39	Ground connection (return path for current)
Input/Output		11, 13, 15, 16, 18, 22, 29, 31, 36, 37	Input/output to connect devices
PWM0 (Pulse Width Modulation 0) PWM1 (Pulse Width Modulation 1)		32 33	Pulse Width Modulation (e.g., LED brightness, motor speed)
PCM_CLK PCM_FS PCM_DIN PCM_OUT		12 35 38 40	Used by software to identify & interact with specific GPIO pins on the Broadcom chip
TXD (Transmit Data) RXD (Receive Data)		8 10	UART serial communication
SDA (Serial Data Line) SCL (Serial Clock Line)		3 5	I2C serial communication
MOSI (Master Out Slave In) MISO (Master In Slave Out) SCLK (Serial Clock) CE0, CE1 (Chip select for device)		19 21 23 24 26	SPI serial communication
GPCLK0 (General Purpose Clock Output 0)		7	Fixed frequency clock signal output without software control
ID_SC (Serial Clock) ID_SD (Serial Data)		27 28	Communicating with EEPROM on HAT (Hardware Attached on Top) add-on boards