

Instructions

- Assemble the Raspberry Pi as shown.
- Connect up the Raspberry Pi as shown.
- Power on the Raspberry Pi.
- Create a new Thonny file and save it as **Lab 1**.

Accessing Raspberry Pi GPIO



3V3 power	1	5V power
GPIO 2 (SDA)	2	5V power
GPIO 3 (SCL)	3	Ground
GPIO 4 (GPCLK0)	4	GPIO 14 (TXD)
Ground	5	GPIO 15 (RXD)
GPIO 17	6	GPIO 18 (PCM_CLK)
GPIO 27	7	Ground
GPIO 22	8	GPIO 23
3V3 power	9	GPIO 24
GPIO 10 (MOSI)	10	Ground
GPIO 9 (MISO)	11	GPIO 25
GPIO 11 (SCLK)	12	GPIO 8 (CEO)
Ground	13	GPIO 7 (CE1)
GPIO 0 (ID_SD)	14	GPIO 1 (ID_SC)
GPIO 5	15	Ground
GPIO 6	16	GPIO 12 (PWM0)
GPIO 13 (PWM1)	17	Ground
GPIO 19 (PCM_FS)	18	GPIO 16
GPIO 26	19	GPIO 20 (PCM_DIN)
Ground	20	GPIO 21 (PCM_DOUT)

40 GPIO Pins Description of Raspberry Pi 5

Figure 1 GPIO Pin Numbers and Descriptions

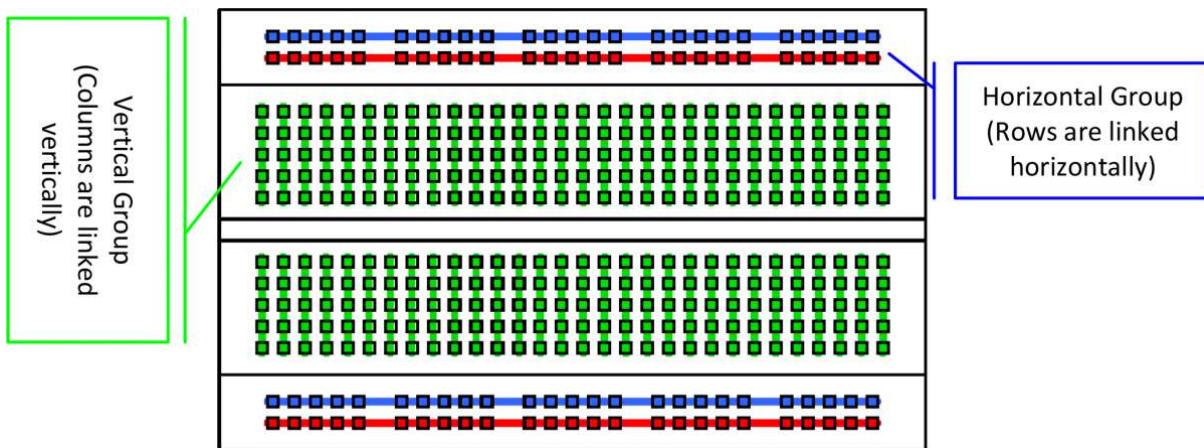


Figure 2 Breadboard Connections