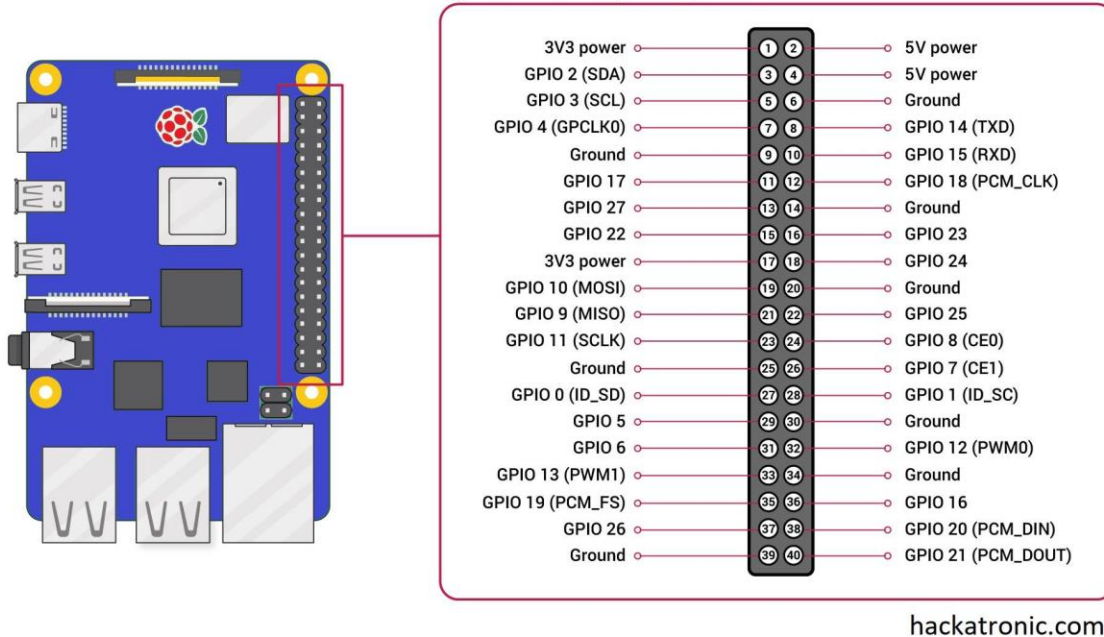


## 40 GPIO Pins Description of Raspberry Pi 4



## Assigned Pins:

### Headlights:

- GPIO 4(positive, blue wire to pin # 7),
- Ground (black, negative wire to pin #9).

They are combined into one piece so just make sure it's the right way.

### Motors:

- motor 1: GPIO 23 & 24, purple wire to pin #16 and blue to #18.
- Motor 2: GPIO 25 & 26, yellow wire to pin # 22 and purple to #37.

These may need to be switched if the tank is acting weird. Only switch one motor at a time.

### Laser:

- GPIO 6(positive, white wire to pin #31)
- Ground(negative, yellow wire to pin #25)

Ground wire for laser may be a different color, but they should be taped together.

**Canon:**

- Power: 3v (pin #1 white wire)
- GPIO 12 (pin #32 yellow wire)
- Ground (negative, pin #39 brown wire)