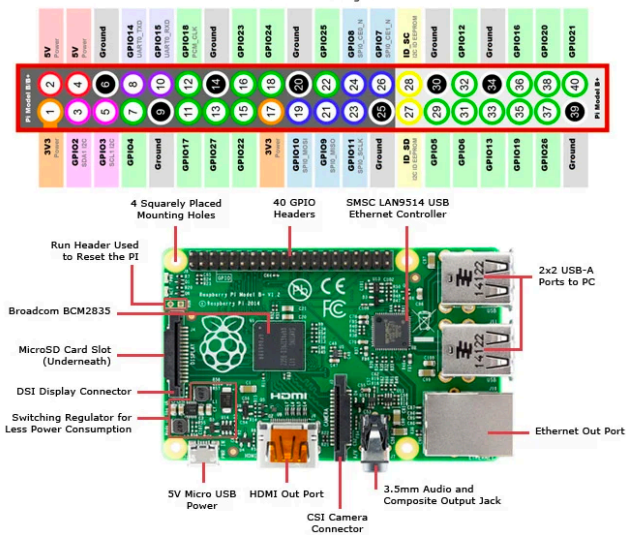
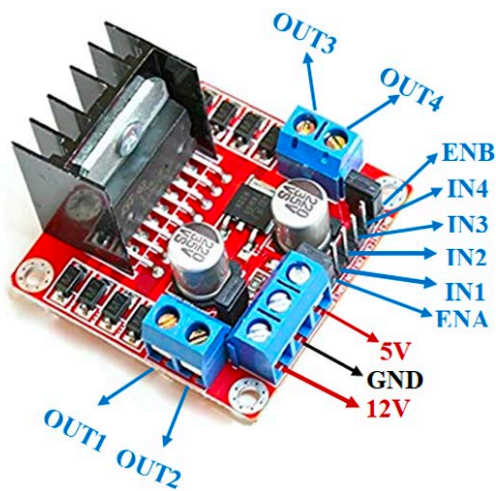


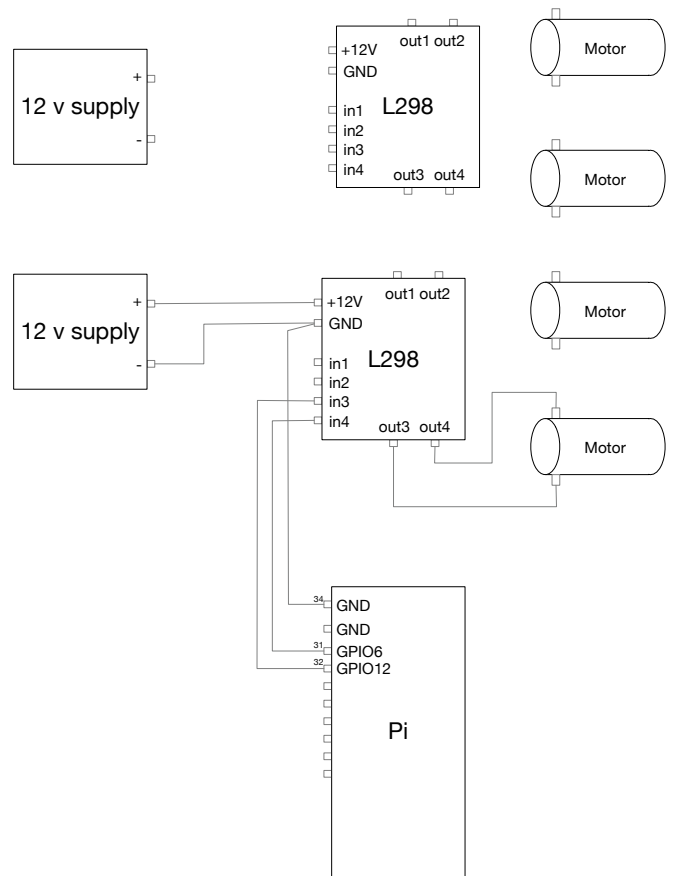
GPIO Pinout Diagram



<https://www.jameco.com/jameco/workshop/circuitnotes/raspberrypi-circuit-note.html>

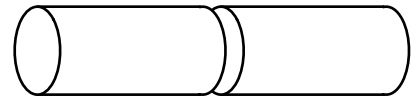


[https://components101.com/sites/default/files/component\\_pin/L298N-Module-Pinout.jpg](https://components101.com/sites/default/files/component_pin/L298N-Module-Pinout.jpg)

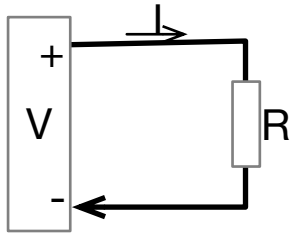




$R_0$



$R_0$



$$V = I R$$

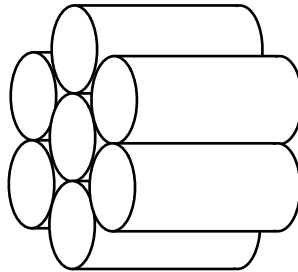
$$V / R = I$$

$$V / I = R$$

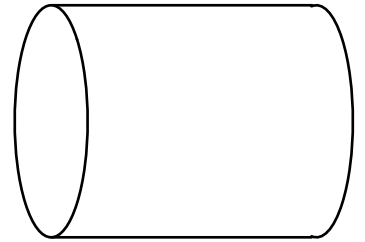
$$P = V I = \Delta E / \Delta T$$

$$1200 \text{ W} / 120 \text{ V} = 10 \text{ A}$$

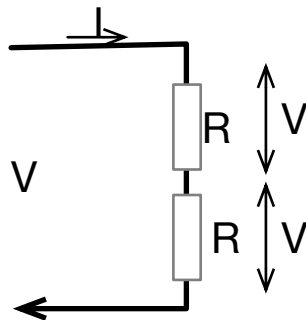
ix GPIO current = 16mA



$R_0 / 7$



$\sim R_0 / 7$



$$2V / I = 2 R$$