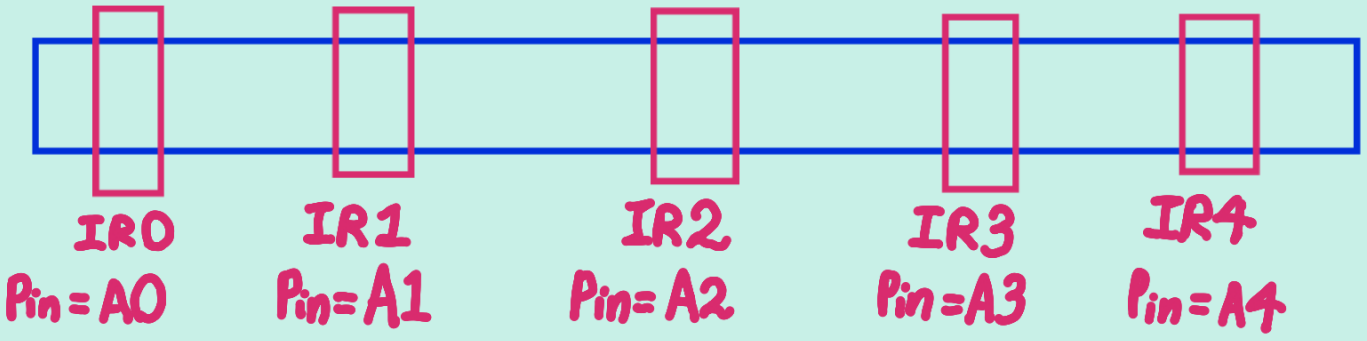
Motor Pins

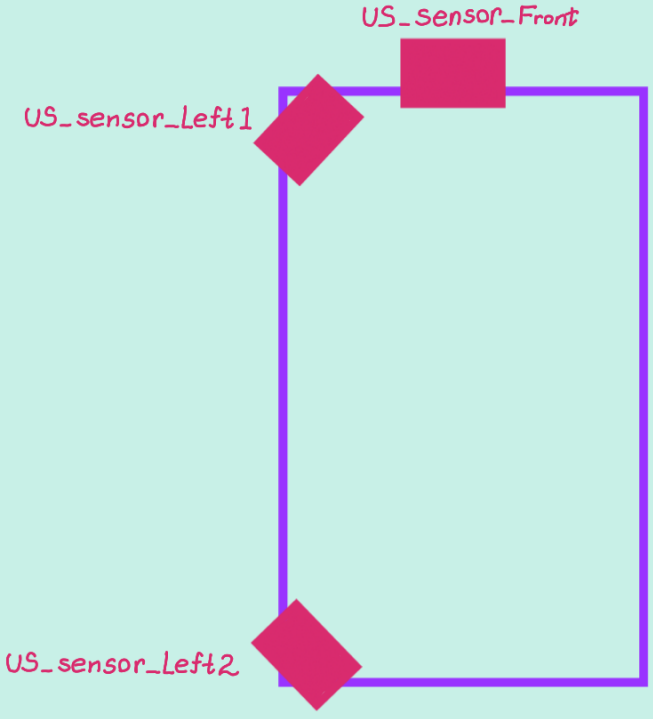
enable A = 6
forward A = 50
backwards A = 51

enable B = 7
forward B = 53
backwards B = 52

IR Sensor Pins



Ultrasonic Sensor Pins



US_sensor_Front — Trig = 22, Echo = 24

US_sensor_Left1 — Trig = 26, Echo = 28

US_sensor_Left2 — Trig = 30, Echo = 32

US_Sensor_right1 — Trig = 34, Echo = 36

US_Sensor_right2 — Trig = 38, Echo = 40

Potentiometer Pins for tuning

K_p_potentiometer = A8

K_d_potentiometer = A10

Basespeed_potentiometer = A12