

	Pin Number	Purpose	IO Configuration
	A0	Left IR Sensor	Analog Input
	A1	Water Filling LED	Digital Out
	A2	Right IR Sensor	Analog Input
	A3	Water Moisture Sensor	Analog Input
	0	H Bridge A1	Digital Output
	1	H Bridge A2	Digital Output
	2	H Bridge B1	Digital Output
	3	Bump Sensor	Digital Inputs
	4	Beeper	Digital Output
	5	PWM A	PWM
	6	PWM B	PWM
	7	H Bridge B2	Digital Output
	8	Line Follow Leftmost	Digital Input
	9	Line Follow Left Center	Digital Input
	10	Line Follow Right Center	Digital Input
	11	Servo Control	PWM
	12	Line Follow Rightmost	Digital Input
	13	Pushbutton	Digital Input
	15	I2C	Serial Communication
	16	I2C	Serial Communication