

Name	Type	J2	Left	Battery Up	Right	J1	Name	Type
			NC	ESP32	NC			
	POWER	1	5V		CLK			
			CMD		SD0			
			SD3		SD1			
			SD2		15	1	VALVE_WATER	GPIO_OUTPUT
SENSOR_PIR	GPIO_INPUT	2	13		2		RESERVED2	GPIO
	POWER		GND		0	2	LED_NOTIFICATION	GPIO_OUTPUT
			12		4	3	LED_LEVEL	GPIO_OUTPUT
TRIG_DISPENSER	GPIO_OUTPUT	4	14		16	4	LED_STATE	GPIO_OUTPUT
ECHO_DISPENSER	GPIO_INPUT	5	27		17	5	STEPPER_IN4	GPIO_OUTPUT
		6	26		5	6	STEPPER_IN3	GPIO_OUTPUT
		7	25		18	7	STEPPER_IN2	GPIO_OUTPUT
SENSOR_WATER	GPIO_INPUT	8	33		19	8	STEPPER_IN1	GPIO_OUTPUT
SWITCH_LID	GPIO_INPUT	9	32		GND			POWER
SWITCH_BOWL	GPIO_INPUT	10	35		21		RESERVED21	GPIO
BUTTON_MAINTENANCE	GPIO_INPUT	11	34		RX			
SENSOR_FOOD	GPIO_INPUT	3	SVN		TX			
			SVP		22		RESERVED22	GPIO
BUTTON_RESET	GPIO_INPUT	12	EN		23		RESERVED23	GPIO
	POWER	13	3V3		GND	10,11,12		POWER

Color Legend		
Buttons/Switches		
Ultrasonic Level Sensors		
PIR Sensor		
Solenoid Valve		
LEDs		
Stepper Motor		
5V		
3V3		
GND		

```
#define SENSOR_PIR_GPIO_INPUT 13

#define TRIG_DISPENSER_ 12
#define ECHO_DISPENSER_GPIO_OUTPUT 14
#define TRIG_FOOD_GPIO_INPUT 27
#define ECHO_FOOD_ 26
#define TRIG_WATER_ 25
#define ECHO_WATER_GPIO_INPUT 33
#define SWITCH_LID_GPIO_INPUT 32
#define SWITCH_BOWL_GPIO_INPUT 35
#define BUTTON_MAINTENANCE_GPIO_INPUT 34
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#define VALVE_WATER_GPIO_OUTPUT 15
#define RESERVED2_GPIO 2
#define LED_NOTIFICATION_GPIO_OUTPUT 0
#define LED_LEVEL_GPIO_OUTPUT 4
#define LED_STATE_GPIO_OUTPUT 16
#define STEPPER_IN4_GPIO_OUTPUT 17
#define STEPPER_IN3_GPIO_OUTPUT 5
#define STEPPER_IN2_GPIO_OUTPUT 18
#define STEPPER_IN1_GPIO_OUTPUT 19

#define RESERVED21_GPIO 21
```

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#define RESERVED22_GPIO 22
#define RESERVED23_GPIO 23
```

```
TRIG_FOOD
ECHO_FOOD
TRIG_WATER
ECHO_WATER
```