

## DeCent Pin Mapping

<b>SL No.</b>	<b>ESP32</b>	<b>CO<sub>2</sub> Sensors</b>
1	3V3	VCC (Sensor 1 & Sensor 2)
2	GND	GND (Sensor 1 & Sensor 2)
3	D4	RX (Sensor 1)
4	D23	TX (Sensor 1)
5	D18	RX (Sensor 2)
6	D19	TX (Sensor 2)

<b>SL No.</b>	<b>ESP32</b>	<b>CH<sub>4</sub> (SJH-100A) Sensor</b>
1	VIN (5V)	VCC
2	GND	GND
3	D25	RX
4	D26	TX

<b>SL No.</b>	<b>ESP32</b>	<b>pH Sensors</b>
1	3V3	VCC (Sensor 1 & Sensor 2)
2	GND	GND (Sensor 1 & Sensor 2)
3	D39 (VN)	A (Sensor 1)
4	D15	A (Sensor 2)

<b>SL No.</b>	<b>ESP32</b>	<b>Temperature Sensor</b>
1	VIN(5V)	VCC
2	GND	GND
3	D5	Out

<b>SL No.</b>	<b>ESP32</b>	<b>H<sub>2</sub> Sensor</b>
1	VIN(5V)	VCC
2	GND	GND
3	D35	Out

<b>SL No.</b>	<b>ESP32</b>	<b>Pressure Sensors</b>
1	VIN(5V)	VCC (Sensor 1 & Sensor 2)
2	GND	GND (Sensor 1 & Sensor 2)
3	D36 (VP)	Out (Sensor 1)
4	D34	Out (Sensor 2)

<b>SL No.</b>	<b>ESP32</b>	<b>O<sub>2</sub> Sensor</b>
1	3V3	VCC
2	GND	GND
3	D21	SDA
4	D22	SCL

<b>SL No.</b>	<b>ESP32</b>	<b>Relay</b>
1	VIN(5V)	VCC
2	GND	GND
3	D2	Relay Input

<b>SL No.</b>	<b>ESP32</b>	<b>Electro-valves</b>
1	D12	Electro-valve 1
2	D13	Electro-valve 2
3	D14	Electro-valve 3

<b>SL No.</b>	<b>ESP32</b>	<b>Liquid Pumps</b>
1	D27	Liquid Pump 1
2	D33	Liquid Pump 2