

Component	Pin Name	ESP32 Pin	Wire Color (Rec.)	Description
LCD 16x2 I2C	GND	GND	Black	Ground
LCD 16x2 I2C	VCC	5V / VIN	Red	Power
LCD 16x2 I2C	SDA	GPIO 21	Blue	I2C Data
LCD 16x2 I2C	SCL	GPIO 22	Yellow	I2C Clock
DHT22 Sensor	VCC	3.3V	Red	Power
DHT22 Sensor	SDA (Data)	GPIO 23	Green	Digital Data
DHT22 Sensor	GND	GND	Black	Ground
Slide Pot	VCC (1)	3.3V	Red	Power
Slide Pot	Wiper (2)	GPIO 34	Orange	Analog Input
Slide Pot	GND (3)	GND	Black	Ground
Onboard LED	Built-in	GPIO 2	N/A	Status/Alarm