

# Arduino UNO - Pin Configuration

## Stepper Motor Driver Module (ULN2003)

Pin 12 → ULN2003 IN1

Pin 11 → ULN2003 IN2

Pin 10 → ULN2003 IN3

Pin 9 → ULN2003 IN4

## Sensors and Joystick Module

Pin 5 → DHT11 Pin 1

A0 → Joystick VRy

A1 → Joystick VRx

## Power Connections

🔌 GND of modules → GND of Arduino

🔌 VCC (5V) of modules → 5V pin of Arduino

🔌 **Recommendation:** Use an external 5V power supply for the modules if possible, and ensure GND of all components is connected properly.

