Arduino Sensor Shield V5

Easy Sensor and Module Connection Board



The Arduino Sensor Shield V5 is an expansion board that makes connecting sensors, servos and modules to Arduino boards much easier. It provides organized 3-pin connectors for VCC, GND and Signal, reducing wiring complexity and making prototyping faster and cleaner.

TOP USES

- Sensor Projects
- Robotics
- Servo Control
- Arduino Prototyping

KEY FEATURES

- Easy 3-Pin Connections
- VCC / GND / Signal Headers
- Servo-Friendly Connectors
- Multiple Sensor Ports
- Cleaner Wiring
- Arduino-Compatible Layout

Technical Specifications

Arduino Sensor Shield V5

Parameter	Value
Board Type	Sensor Expansion Shield
Logic Voltage	Arduino 5 V
Connectors	3-Pin VCC / GND / Signal
Compatible Boards	Arduino UNO / Compatible Boards
Power	Arduino 5 V / External Supply
Main Function	Sensor and Module Expansion

Pinout

Arduino Sensor Shield V5



PIN FUNCTIONS

Pin	Function	Notes
S	Signal	
V	5 V / VCC	
G	Ground	
Digital Ports	D0 - D13	
Analog Ports	A0 - A5	
I2C	SDA / SCL	
Servo Ports	Signal / VCC / GND	

WIRING NOTES

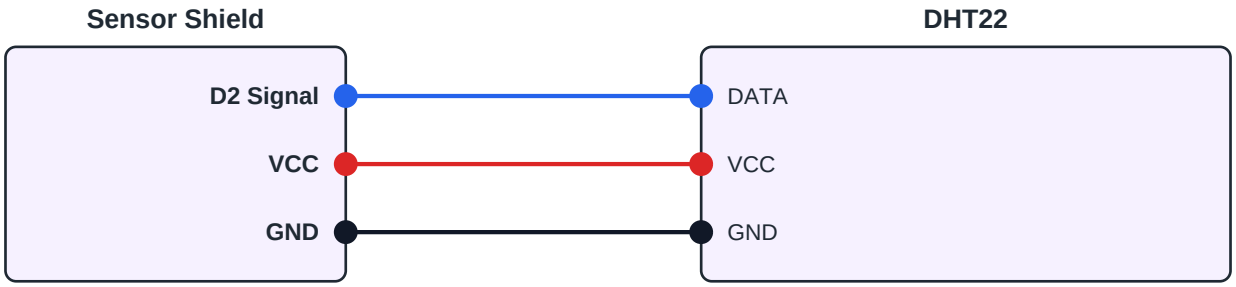
- The shield plugs directly on top of a compatible Arduino board.
- Each 3-pin port provides Signal, VCC and GND.
- Match the sensor signal pin with the Arduino pin you want to use.
- Check the sensor voltage before connecting it to the shield.
- High-current servos should use an appropriate external power supply.

Example Project

Connect a DHT22 Sensor

The Sensor Shield allows the DHT22 to be connected using a simple 3-wire connection instead of separate jumper wires for every pin.

CIRCUIT



EXAMPLE CODE

```
DHT22 connects to the selected sensor port using Signal, VCC and GND.
```

EXPECTED RESULT

- Plug the Sensor Shield directly onto the Arduino.
- Connect the DHT22 to a 3-pin sensor port.
- Signal goes to the selected Arduino digital pin.
- VCC connects to power and GND connects to ground.
- The sensor is now ready to be used by the Arduino.

Useful Links

Arduino Sensor Shield V5

Resource	Link
Arduino UNO Documentation	https://docs.arduino.cc/hardware/uno-rev3/
Arduino IDE	https://www.arduino.cc/en/software
Arduino Language Reference	https://www.arduino.cc/reference/en/

COMPATIBLE COMPONENTS

- Arduino UNO
- DHT22
- HC-SR04
- SG90 Servo
- PIR Sensor
- MQ Sensors

Need this component?

Buy Arduino Sensor Shield V5 >>

https://techzoneegypt.com/p/arduino-sensor-shield-v5