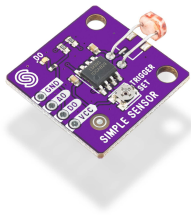


PRODUCT DATASHEET



Simple Light Sensor Board

333046

The Simple Light Sensor Board offers versatile light detection with analog and digital outputs, ideal for various electronics projects.

Full product documentation, files and tutorials: solde.red/333046

CORE ATTRIBUTES

SKU **333046**WEIGHT **5 g**BARCODE **732388672301**

DESCRIPTION

The Simple Light Sensor Board is a versatile solution for adding light detection to your electronics projects. It's a complete module that provides both analog and digital outputs, giving you the flexibility to create a wide range of applications. Whether you're building an automatic lighting system, a plant-monitoring device, or a smart home alarm, this sensor board provides the reliable light detection that every maker needs.

The onboard **LM393 comparator** and adjustable potentiometer make this board perfect for creating precise light-activated triggers. You can easily set a specific light threshold for the digital output, allowing you to trigger an action when the light level crosses a certain point. This is ideal for beginners who want a simple on/off signal, as well as for advanced users who need to fine-tune the sensor's sensitivity for their specific application. Perfect for students learning about sensors, hobbyists building interactive projects, or engineers prototyping new devices.

What makes this light sensor board special is its all-in-one design, combining a LDR with all the necessary circuitry on a compact module. This sensor will not give you detailed lux readings, just a simple analog value proportional to the amount of light. As with all our products, it's open-source, with all design files available for you to modify and adapt. Plus, with our **2-year warranty and technical support**, you can be confident in your purchase.

TECHNICAL DETAILS

- **Logic voltage level:** VCC (at the same voltage as power source to the board)
- **Operating voltage:** 3.3V - 5V
- **Comparator onboard:** LM393
- **Mounting holes:** 2
- **Dimensions:** 22 × 22mm / 0.9 × 0.9 inch

SPECIFICATIONS

INTERFACE	Analog, Digital Gpio
QWIIC COMPATIBLE	No
BREADBOARD COMPATIBLE	Yes
MEASUREMENT TYPES	Light
IC PART NUMBER	LM393
SUPPLY VOLTAGE MIN V	3.3
SUPPLY VOLTAGE MAX V	5
LOGIC LEVEL	3V3 Or 5V

LINKS

Arduino Library	https://github.com/SolderedElectronics/Soldered-Simple-Sensor-Arduino-Library
Open Source Hardware Files	https://github.com/SolderedElectronics/Simple-light-sensor-board-hardware-design
Full Documentation	https://docs.soldered.com/simple-sensor/simple-light-sensor/simple-light-sensor-overview/
Arduino: Get Started	https://docs.soldered.com/simple-sensor/simple-light-sensor/arduino_library/getting-started/
Hardware Details	https://docs.soldered.com/simple-sensor/simple-light-sensor/simple-light-sensor-hardware/
Arduino Library Documentation	https://docs.soldered.com/simple-sensor/simple-light-sensor/arduino_library/regular-example/
Pinout	https://cms.soldered.com/products/333046/media/333046_pinout-png_1be276.svg

GALLERY

