

PRODUCT DATASHEET



Digital Light & Proximity Sensor LTR-507 Breakout

333063

The LTR-507 Breakout accurately measures light and proximity, offering easy I2C data communication for seamless integration with Arduino.

Full product documentation, files and tutorials: solde.red/333063

CORE ATTRIBUTES

SKU **333063**

WEIGHT **6 g**

BARCODE **732388671007**

DESCRIPTION

For very precise measurements of the amount of light, take this digital light sensor into account (ALS - Ambient Light Sensor). In addition, the LTR-507ALS also measures the proximity (PS - Proximity Sensor) of the object to the sensor. It sends all this data via I2C communication, which is easy to read via our [Arduino](#) library.

TECHNICAL DETAILS

- **IC:** LTR-507ALS
- **Communication:** I2C
- **Qwiic connector:** 2 pieces
- **Dimensions:** 38 × 22 mm / 1.5 × 0.9 inch

SPECIFICATIONS

INTERFACE	I2C
QWIIC COMPATIBLE	Yes
I2C ADDRESS DEFAULT	0x3A
I2C ADDRESS CHANGEABLE	No
BREADBOARD COMPATIBLE	Yes
MEASUREMENT TYPES	Light, Proximity
MEASUREMENT RANGE	Light 0 to 65535 lux; Proximity up to 20 cm
IC PART NUMBER	LTR-507ALS-01

SUPPLY VOLTAGE MIN V	3.3
SUPPLY VOLTAGE MAX V	5
LOGIC LEVEL	3V3 Or 5V

LINKS

Arduino: Get Started	https://docs.soldered.com/ltr-507/arduino/getting-started/
Full Documentation	https://docs.soldered.com/ltr-507/overview/
Arduino Library	https://github.com/SolderedElectronics/Soldered-Digital-Light-Sensor-Arduino-Library
Hardware Details	https://docs.soldered.com/ltr-507/hardware/
Arduino Library Documentation	https://docs.soldered.com/ltr-507/arduino/light-and-proximity/
MicroPython Module	https://github.com/SolderedElectronics/Soldered-MicroPython-Modules/tree/main/Sensors/LTR507
Pinout	https://cms.soldered.com/products/333063/media/333063_pinout-png_53a307.jpg

GALLERY

