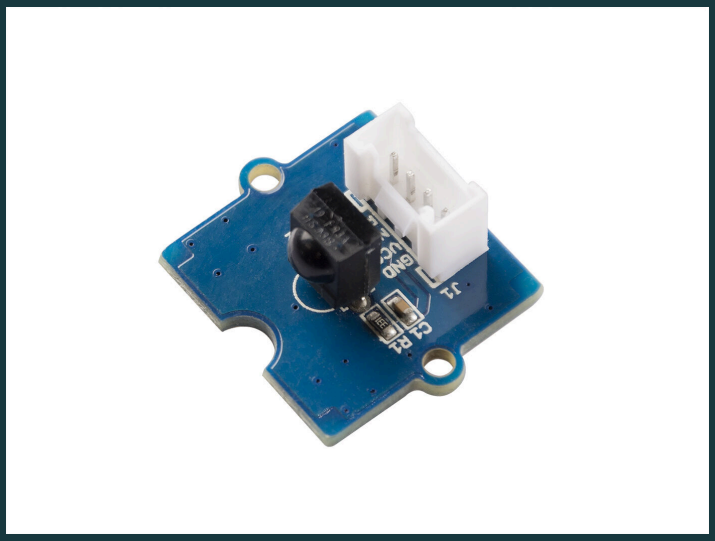
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INDUSTRIAL PRODUCT DATASHEET

Grove - IR (Infrared) Receiver

Grove - IR (Infrared) Receiver: TSOP38238 38 kHz IR receiver with integrated signal conditioning, active-low digital output, and Grove 3.3–5 V connection for remote-control button input, infrared-controlled robots, and custom short-ran...

SKU	UPDATED	PRICE
101020016	2026-11-03 03:51:46	$3.89(Excl. VAT)



Overview



The Grove - IR (Infrared) Receiver is a TSOP38238-based module for 38 kHz modulated infrared remote-control signals, integrating photodetection, amplification, AGC2, filtering, and demodulation, and providing MCU-friendly active-low digital pulses for timing capture and software decoding. It operates from a 3.3–5 V supply through a four-wire Grove connector and supports remote-control button input, infrared-controlled robots, and custom short-range infrared communication.

Key Features

01 **TSOP38238, 38 kHz reception**

Designed for modulated infrared remote-control signals.

02 **Integrated signal conditioning**

Photodetection, amplification, AGC2, filtering, and demodulation in one receiver.

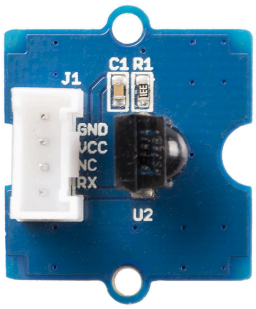
03 **MCU-friendly digital pulses**

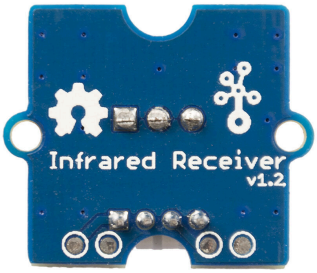
Active-low output for timing capture and software decoding.

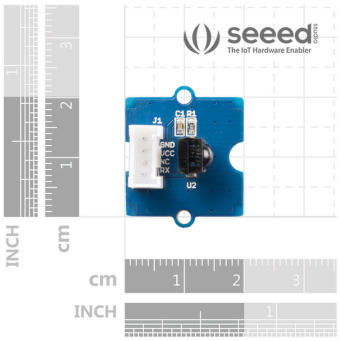
04 **Grove digital connection**

3.3–5 V module supply with a four-wire Grove connector.

Product Gallery







Applications

- Remote-control button input
- Infrared-controlled robots
- Custom short-range infrared communication

Resource Links

- https://www.seeedstudio.com/Grove-Infrared-Receiver.html
- IR Send and Receiver Library
- IR Receive Library for LinkIt ONE
- TSOP282 Datasheet
- Grove - Infrared Receiver eagle files

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com