

Unit Laser RX

SKU: U065



Description

Unit Laser RX is a laser receiver unit, primarily composed of a laser transistor internally. Laser communication devices connect wirelessly through the atmosphere. Apart from the beam transmission through free space, they operate similarly to fiber optic links. Although the transmitter and receiver require line-of-sight conditions, their advantage is that they do not require broadcast rights or buried cables. Due to their small size, low power consumption, and the fact that they do not require any radio interference studies, laser communication systems can be easily deployed to various locations.

Features

- Laser reception
- Pairs with LASER.TX
- 2 x LEGO-compatible holes
- Development platforms: Arduino, UIFlow (Blockly, Python)

Includes

- 1 x Unit Laser RX
- 1 x HY2.0-4P Grove cable (20cm)

Applications

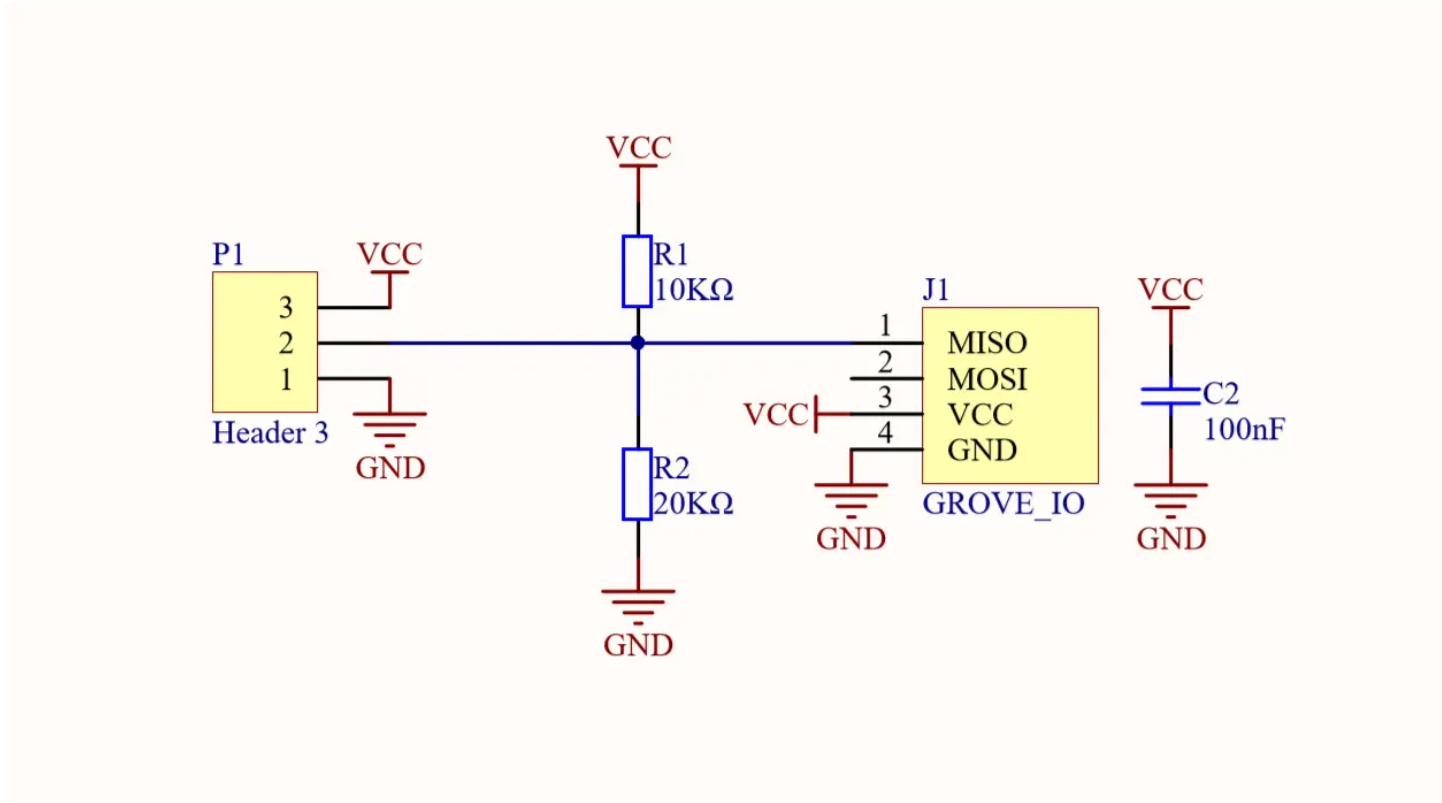
- Space laser communication systems

Specifications

Specification	Parameter
Receive Frequency	140KHz ~ 205KHz
Product Size	32.0 x 24.0 x 8.0mm
Product Weight	3.7g
Package Size	138.0 x 93.0 x 9.0mm
Gross Weight	9.3g

Schematics

- [Unit Laser RX Schematics PDF](#)

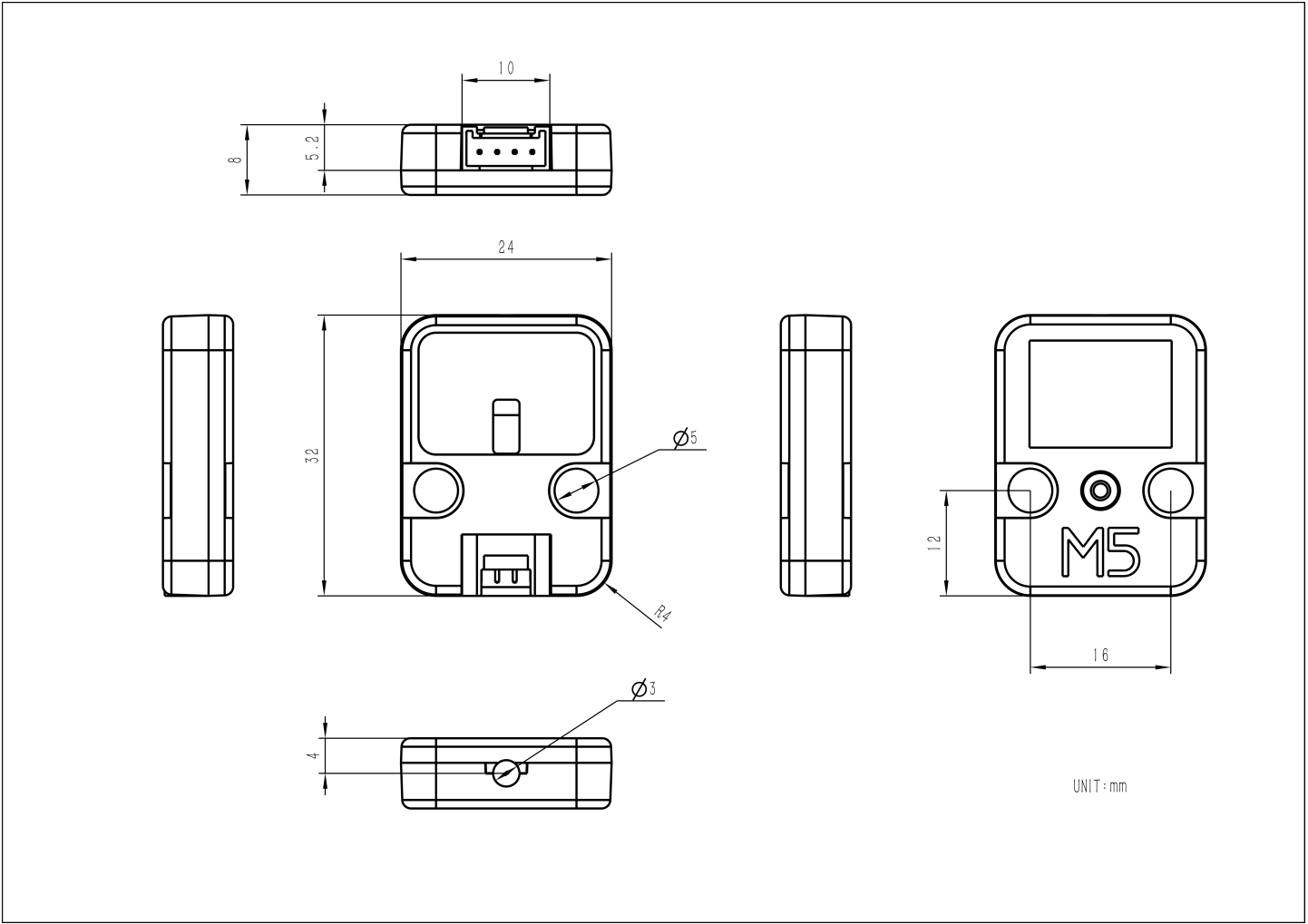


PinMap

Unit Laser RX

HY2.0-4P	Black	Red	Yellow	White
PORT.B	GND	5V	NC	DOUT

Model Size



Structure

- [Unit Laser RX Structure Files](#)

Softwares

Arduino

- [Unit Laser RX Test Example](#)

UiFlow1

- [Unit Laser RX UiFlow1 Docs](#)

UiFlow2

- [Unit Laser RX UiFlow2 Docs](#)

EasyLoader

Easyloader	Download Link	Notes
Unit Laser RX Test Example Easyloader	download	/

| Video

LASER-TX-RX.mp4