Unit LASER.RX

SKU:U065

Description

__LASER.RX__ is one of the communication devices among M5Units, a Laser receiver. It is mainly built with a laser transistor. Laser communications devices are wireless connections through the atmosphere. They work similarly to fiber-optic links, except the beam is transmitted through free space. While the transmitter and receiver must require line-of-sight conditions, they have the benefit of eliminating the need for broadcast rights and buried cables. Laser communications systems can be easily deployed since they are inexpensive, small, low power and do not require any radio interference studies. Two parallel beams are needed, one for transmission and one for reception. Therefore we have a LASER.TX in parallel.

Product Features

- Laser receiver
- Work voltage: 5V
- Pair with LASER.TX

- Response Frequency: 140KHz ~205KHz
- Two Lego-compatible holes
- Program Platform: Arduino, UIFlow (Blockly, Python)

Include

- 1x LASER.RX unit
- 1x GROVE cable

Applications

- Laser communication system on space.

Specification

Resources	Parameter
Receive frequency	140KHz ~205KHz
Net weight	4g
Gross weight	18g
Product Size	32*24*8mm
Package Size	136*92*10mm

EasyLoader

download EasyLoader

What is EasyLoader?

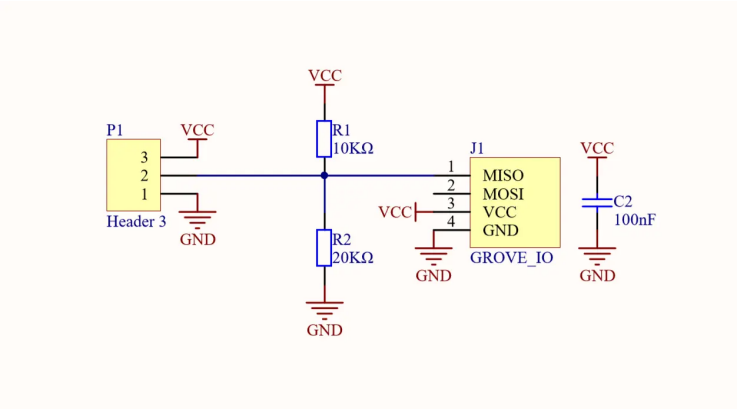
1.EasyLoader is a simple and fast program burner. Every product page in EasyLoader provides a product-related case program. It can be burned to the master through simple steps, and a series of function verification can be performed. .

- After downloading the software, double-click to run the application, connect the M5 device to the computer through the data cable, select the port parameters, click **"Burn"** to start burning. (**For M5StickC burning, please Set the baud rate to 750000 or 115200**)

Pin Map

M5 PORTB	GPIO36	GPIO26	5V	GND
LASER_RX	RX	/	5V	GND

Schematic

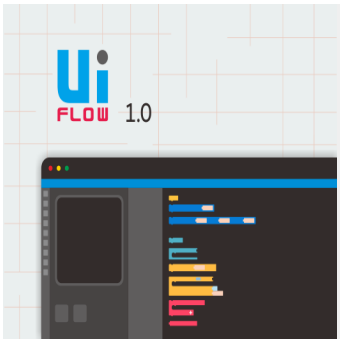


Example

Arduino

- Click here to download the Arduino example

UIFlow



UIFlow1.0 Unit laser_rx Docs

How to use Unit laser_rx and related API instructions in the UIFlow1.0

video

LASER-TX-RX.mp4