

# Unit Hall

SKU:U084



## Description

**Unit Hall** is a Hall sensor. It integrates three A3144E Hall effect switches, with logic processing performed by a 74 series gate integrated circuit. When an S magnetic pole object approaches the front of the hall or an N magnetic pole approaches the back of the hall, it can generate a low-level signal, and the internal LED indicator will light up. Hall sensors are utilized in door magnetic alarms, proximity sensing, speed measurement, and other scenarios.

## Features

- Unipolar Hall switch sensing
- Fast response speed, high sensitivity
- With status indicator light
- Low-level output
- Can be used with building blocks

## Includes

- 1 x Unit Hall
- 1 x HY2.0-4P Grove connection cable (20cm)
- 1 x Magnet

## Applications

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- Door magnetic alarm
- Magnetic field proximity sensing
- Speed measurement

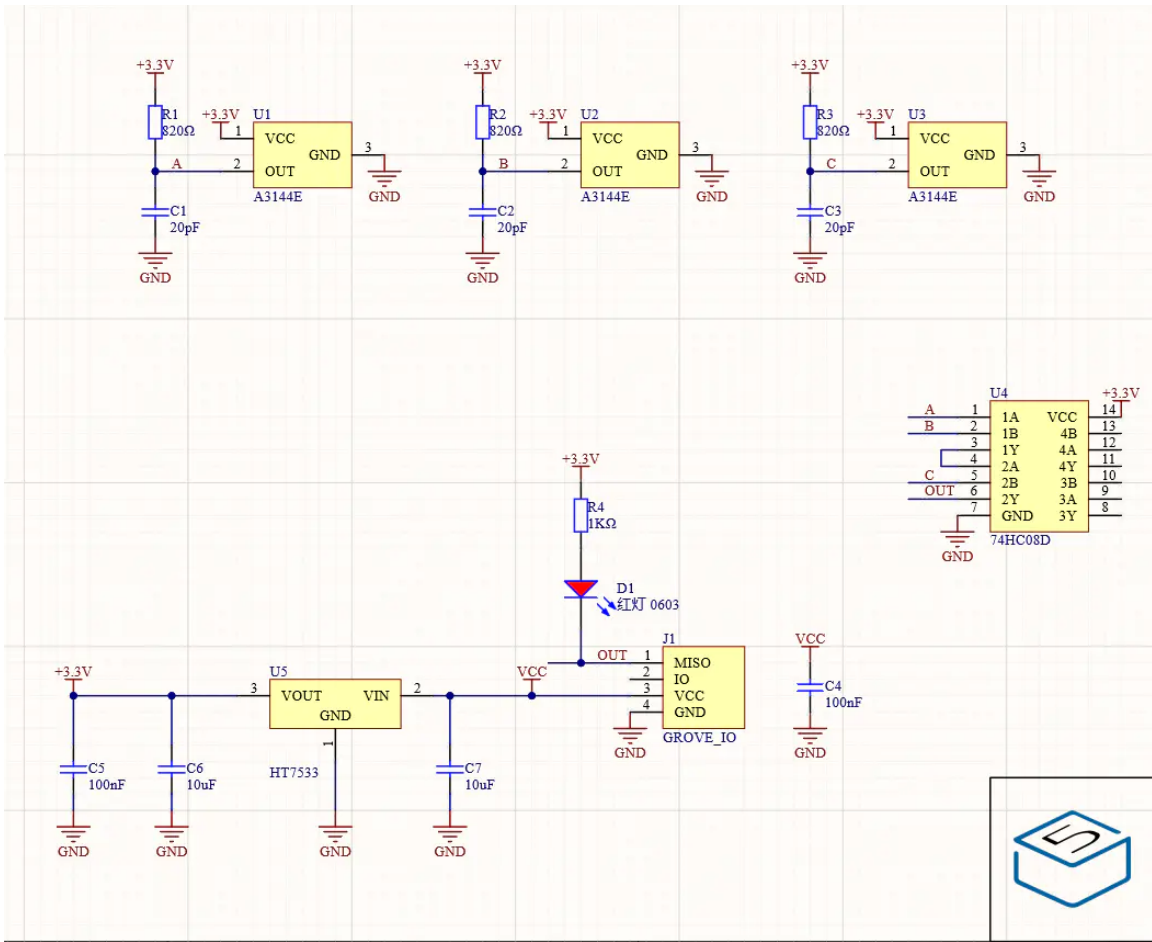
## Specifications

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Specification	Parameter
Hall Sensor	A3144E * 3
Logic IC	74HC08D
Status Indicator	Red LED
Output Level	Low-level active
Product Size	32.0 x 24.0 x 8.0mm
Product Weight	4.2g
Package Size	138.0 x 93.0 x 9.0mm
Gross Weight	10.0g

## Schematics

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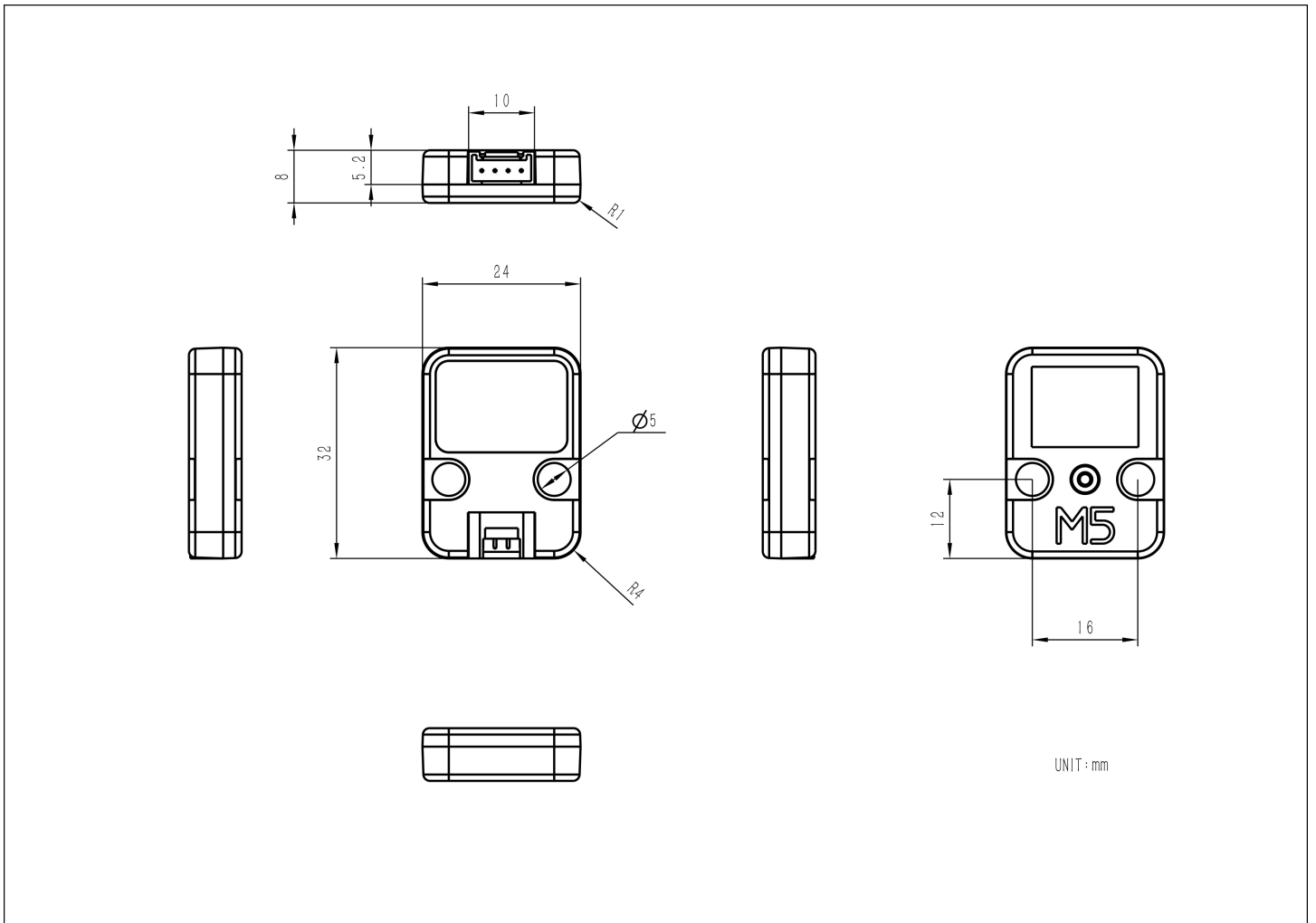


## PinMap

## Unit Hall

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

## Model Size



## Datasheets

- [A3144E](#)

## Softwares

### Arduino

- [Unit Hall Test Example.](#)

### UiFlow2

- [Unit Hall UiFlow2 Docs](#)

### EasyLoader

Easyloader	Download Link	Note
Unit Hall Test Easyloader	<a href="#">download</a>	/

## Video

- Screen displays magnetic state, low-level active

[HALL\\_Unit.mp4](#)