

Hat PIR

SKU:U054



Description

Hat PIR is a human body infrared sensor compatible with StickC. It is a "Passive Pyroelectric Infrared Detector" that works by detecting infrared radiation emitted or reflected by humans or objects. When infrared is detected, it outputs a high level signal and delays for a period of time (during which the high level is maintained and repeat triggers are allowed) until the trigger signal disappears (returns to low level).

Features

- Detection Distance: 500cm
- Delay Time: 2s
- Sensing Range: < 100°
- Static Current: < 60uA
- Operating Temperature: -20 - 80 °C

Includes

- 1 x Hat PIR
- 1 x Double-Sided Tape

Applications

- Human body sensing lamps
- Security products
- Automatic sensing appliance settings

Specifications

Specification	Parameter
Product Size	24.0 x 25.0 x 20.0mm
Product Weight	6.2g
Package Size	136.0 x 92.0 x 21.0mm
Gross Weight	7.6g

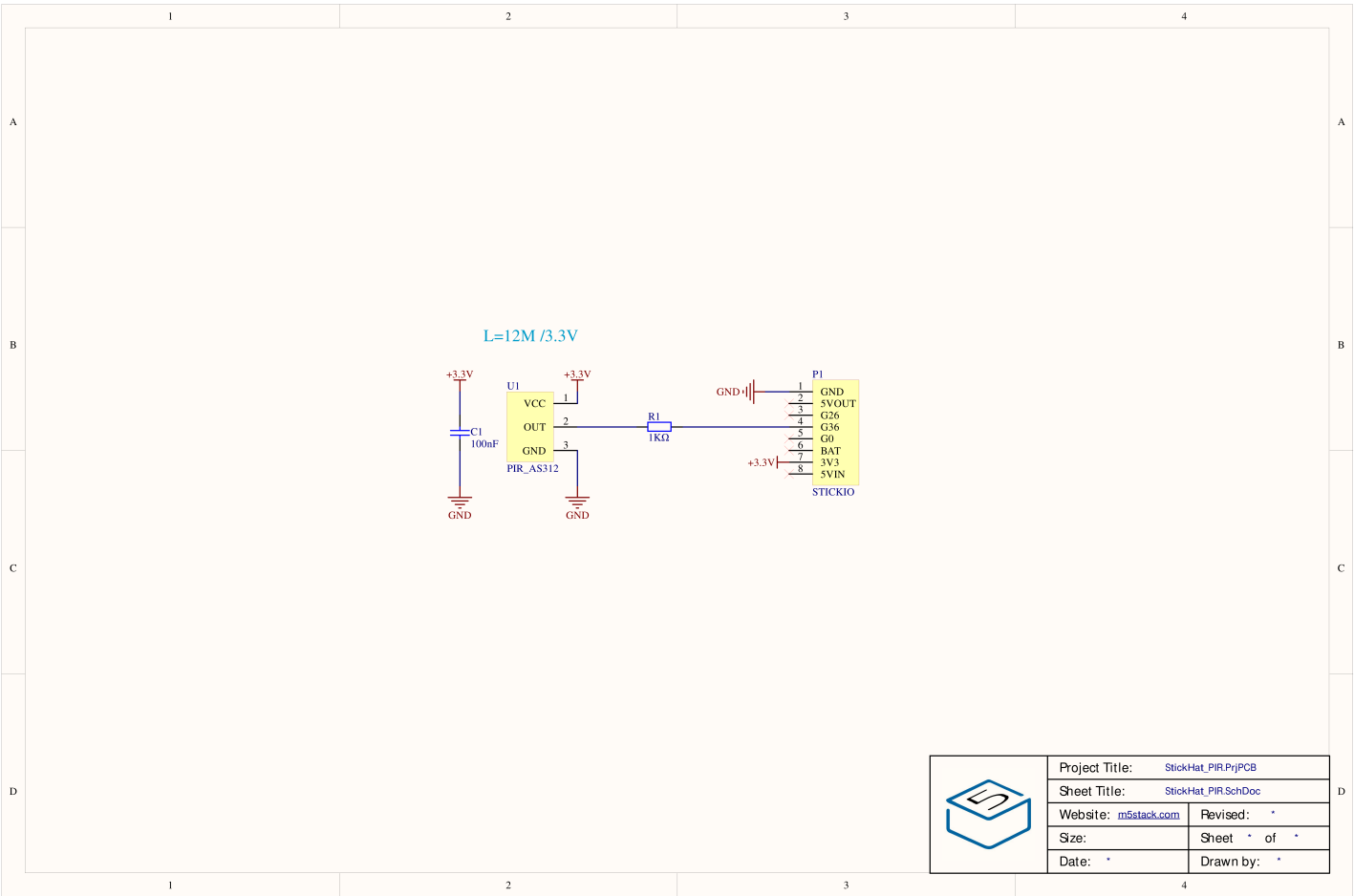
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Note:

There is a 2-second delay after detection is triggered.

Schematics

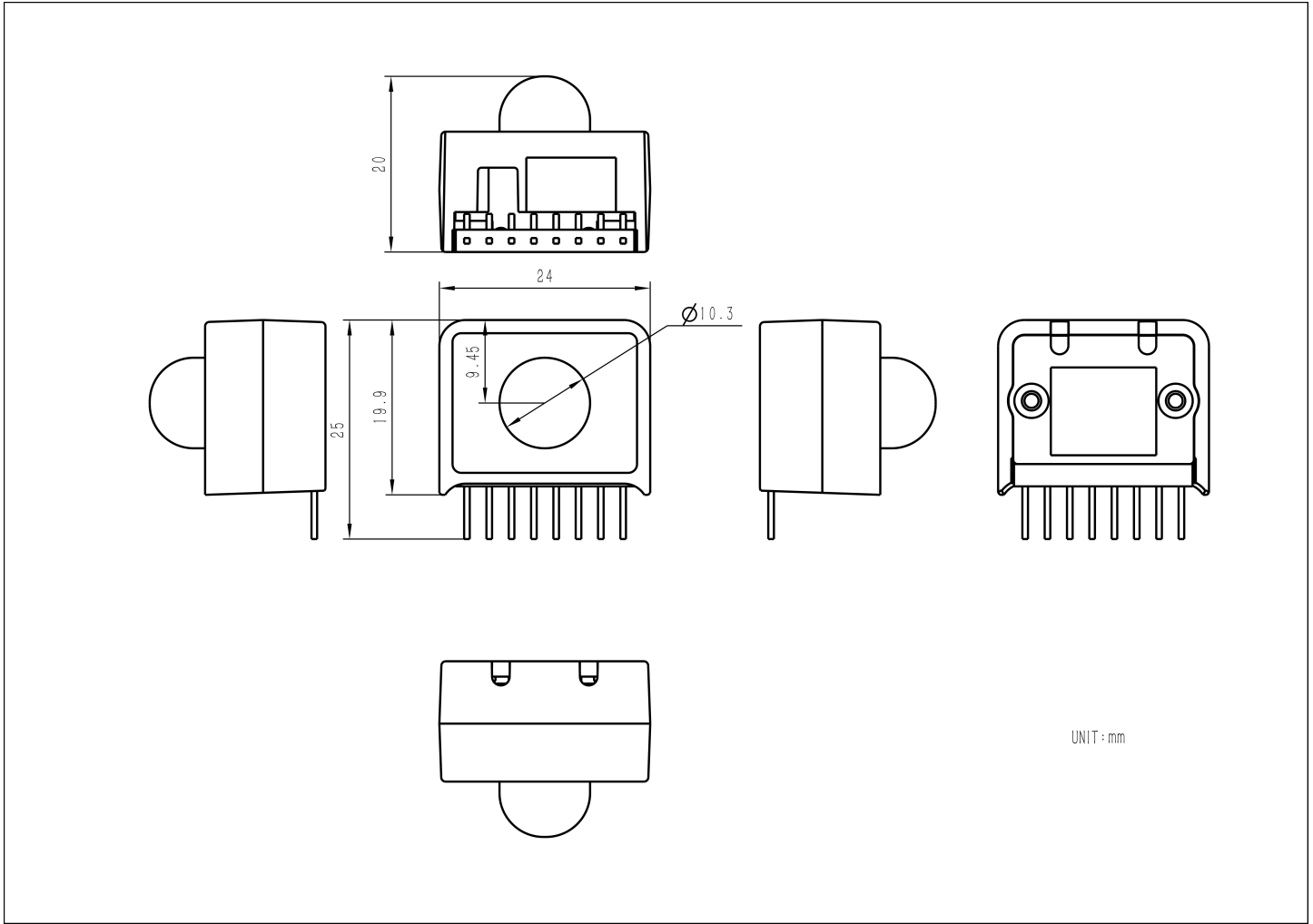
- [Hat PIR Schematics PDF](#)



PinMap

StickC	G36	3.3V	GND
HAT PIR	OUT	3.3V	GND

Model Size



Structure

- [Hat PIR Structure Files](#)

Softwares

Arduino

- [Hat PIR Test Program](#)

UiFlow1

- [Hat PIR UiFlow1 Docs](#)

UiFlow2

- [Hat PIR UiFlow2 Docs](#)

EasyLoader

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Video

