

Unit Angle

SKU:U005



Description

Unit Angle is a knob switch input Unit, which has a built-in **10K** potentiometer. By rotating the knob, its internal resistance value can be changed.

A potentiometer is a resistor component with three leads whose resistance can be adjusted according to a certain variation pattern. Based on this principle, the ESP32 can obtain the output voltage of the potentiometer through Port B, and then obtain the corresponding mapped data after AD conversion. In application scenarios requiring continuous signal control, such as *volume adjustment*, *brightness adjustment*, or *motor speed control*, **Unit Angle** will be a good choice.

Features

- HY2.0-4P interface, supports [UIFlow](#) and [Arduino](#).
- 2 x LEGO compatible holes

Includes

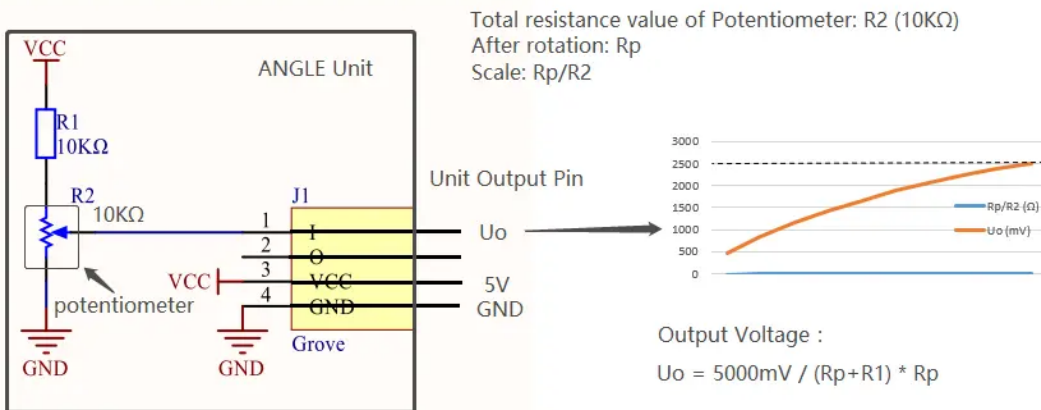
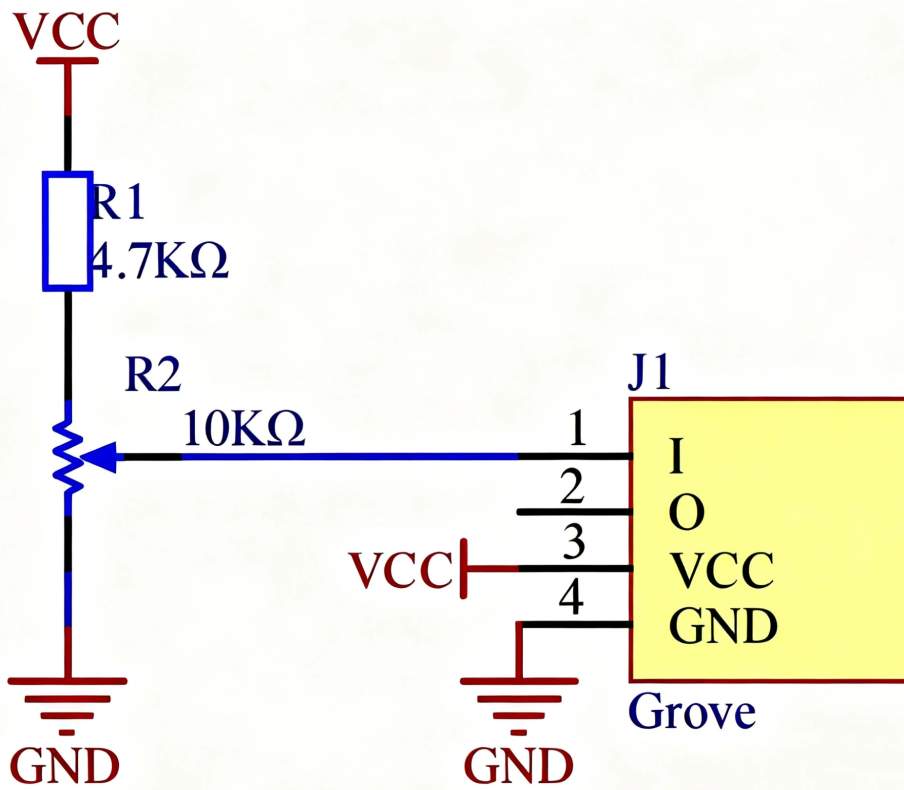
- 1 x Unit Angle

- o 1 x HY2.0-4P Grove Cable (20cm)

Specifications

Specification	Parameter
Output Voltage	0 ~ 2500mV
Product Size	32.0 x 24.0 x 22.0mm
Product Weight	6.0g
Package Size	138.0 x 93.0 x 21.0mm
Gross Weight	23.0g

Schematics

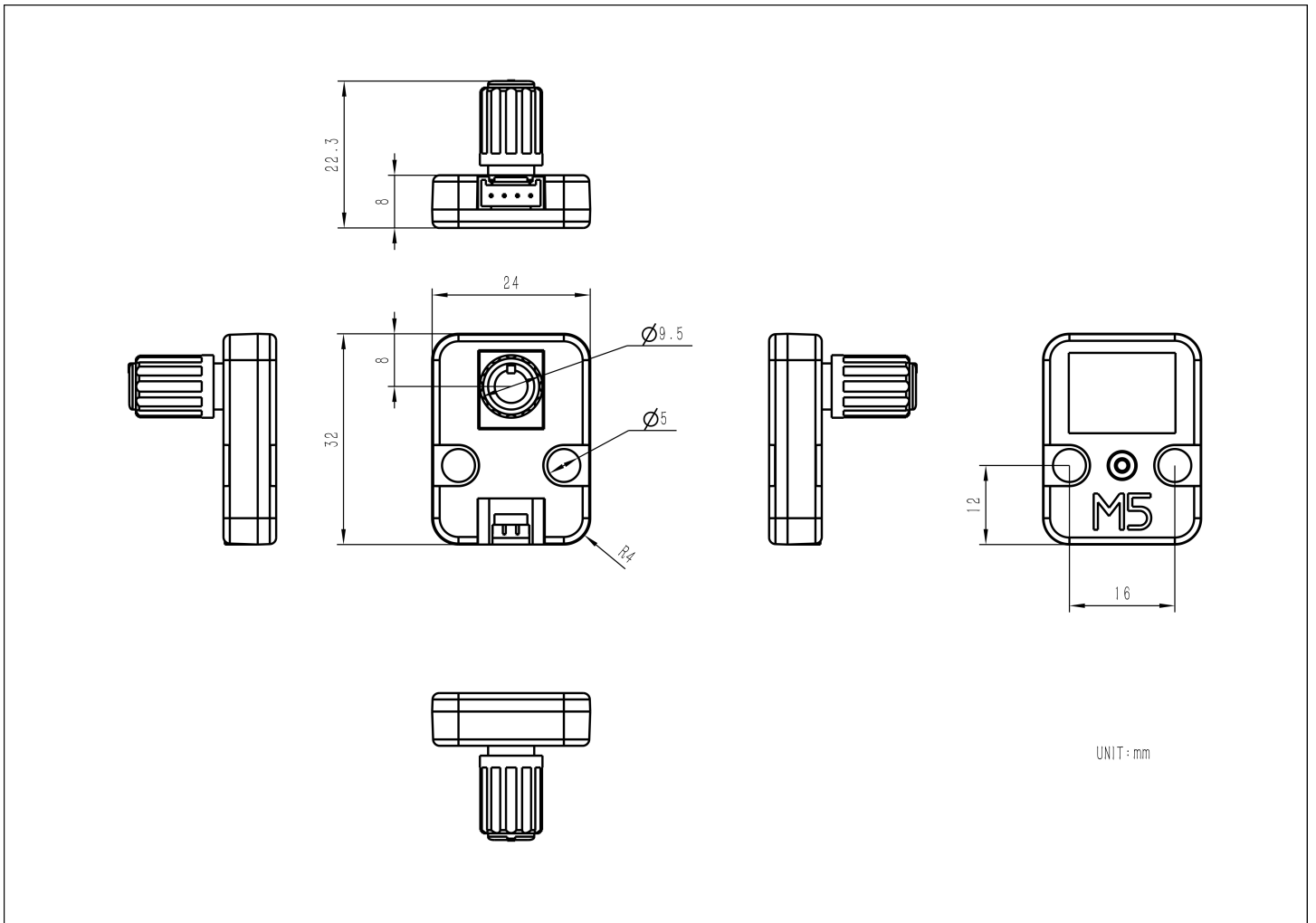


PinMap

Unit Angle

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

Model Size



Structure

- [Unit Angle Structure Files](#)

Softwares

Arduino

- [Unit Angle Example with M5Core](#)

UiFlow1

- [Unit Angle UiFlow1 Docs](#)

UiFlow2

- [Unit Angle UiFlow2 Docs](#)

EasyLoader

Easyloader	Download	Note
Unit Angle Example with M5Core	download	/

| Video

[Angle_UNIT.mp4](#)