

# AtomS3 Lite

SKU:C124



## Description

**ATOMS3 Lite** is an **Atom Series Programmable Controller** in the M5Stack Development Kit series using **ESP32-S3** as the main control, its size is only 24x24x9.5mm, the main control adopts the **ESP32-S3FN8** scheme, with **8MB SPI flash memory**, integrated **Wi-Fi** function, built-in **3D antenna**, **5V to 3.3V** power circuit, providing **infrared emitting light**, **RGB Status Indicators**, **Button** and **GROVE/HY2.0-4P** interfaces. The bottom of the product is equipped with a **power supply and 6 GPIO headers** to facilitate expansion applications. The on-board **Type-C interface** can realize program download and serial port communication functions; An **M2 screw hole** is provided on the back for fixing. Suitable for all kinds of **embedded smart device applications**.

## Features

- Developed based on ESP32-S3FN8
- Comes with USB download function
- Programmable button
- Infrared emission function
- Expandable pins and interfaces
- Development platform: Arduino, UIFlow

## Includes

- 1x AtomS3 Lite

## Applications

- IoT node
- Microcontroller
- Wearables

## Specification

Resources	Parameters
MCU	ESP32-S3FN8
RGB	WS2812B-2020
DCDC	SY8089
Operating temperature	0°C ~ 40°C
Supply voltage	5V
Power supply mode	TYPE C
Output voltage	3.3V
IO interface × 6	G5/G6/G7/G8/G38/G39
Product Size	24mm × 24mm × 9.5mm
Package Size	65mm × 44.5mm × 14mm
Product Weight	5.3g
Package Weight	9.5g



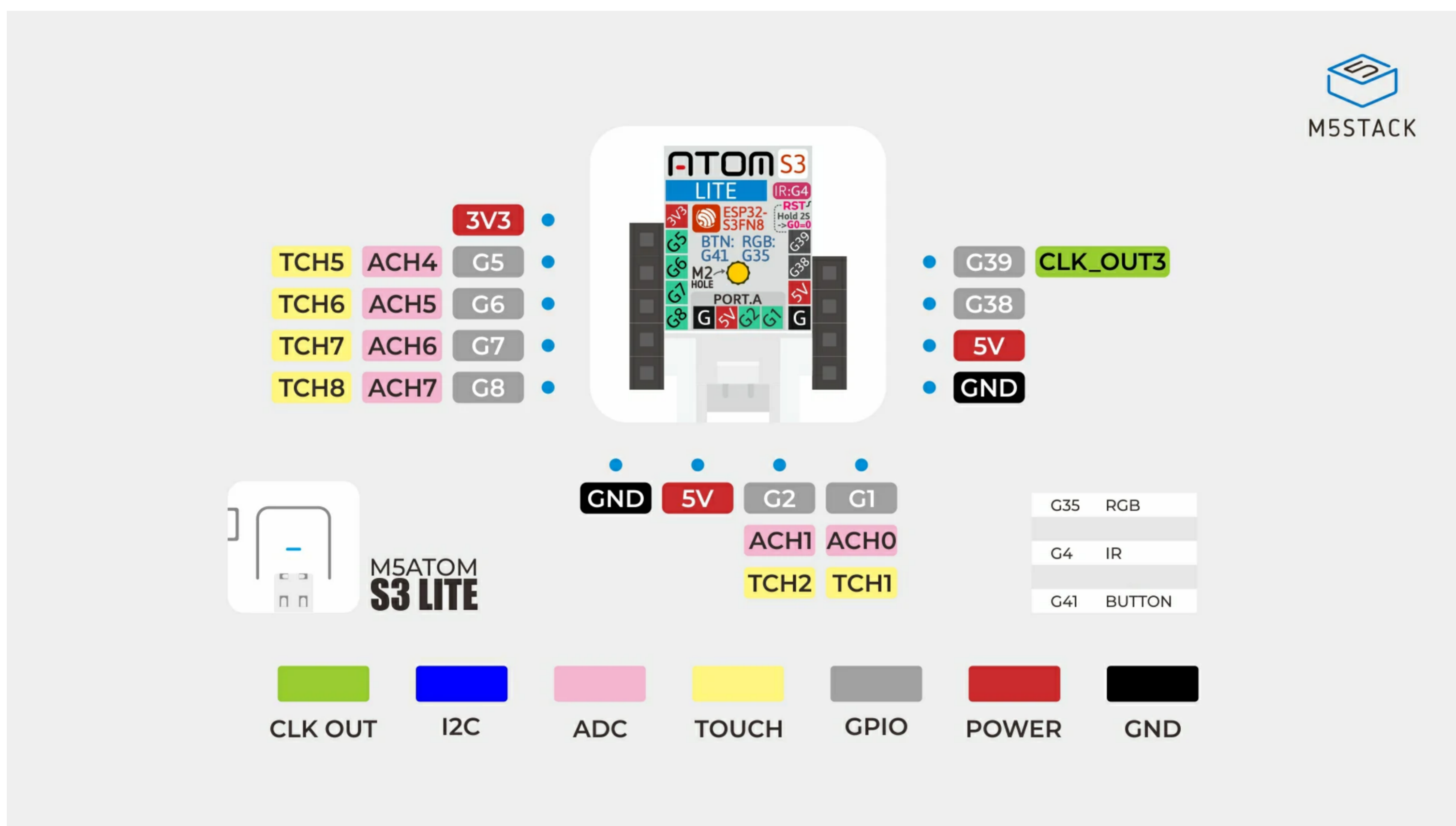




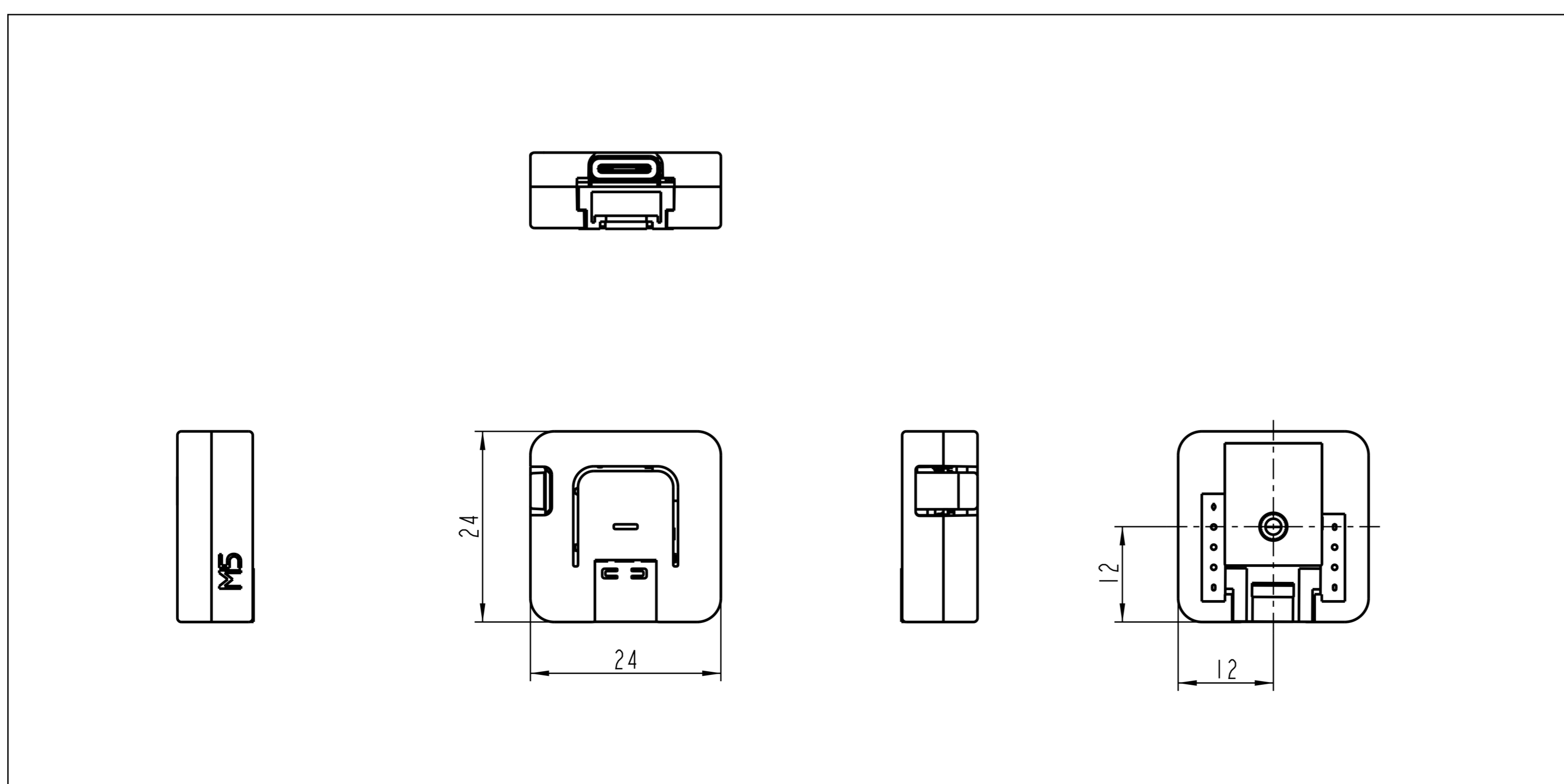
## Related Link

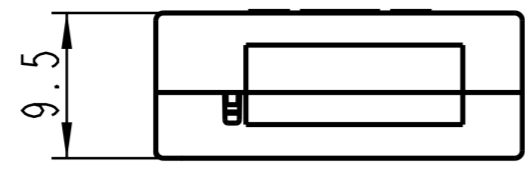
- [ESP32-S3](#)
- [SY8089](#)

## Schematic



## Module Size





UNIT:mm

## Examples

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### Arduino

- [AtomS3 Arduino Example](#)

