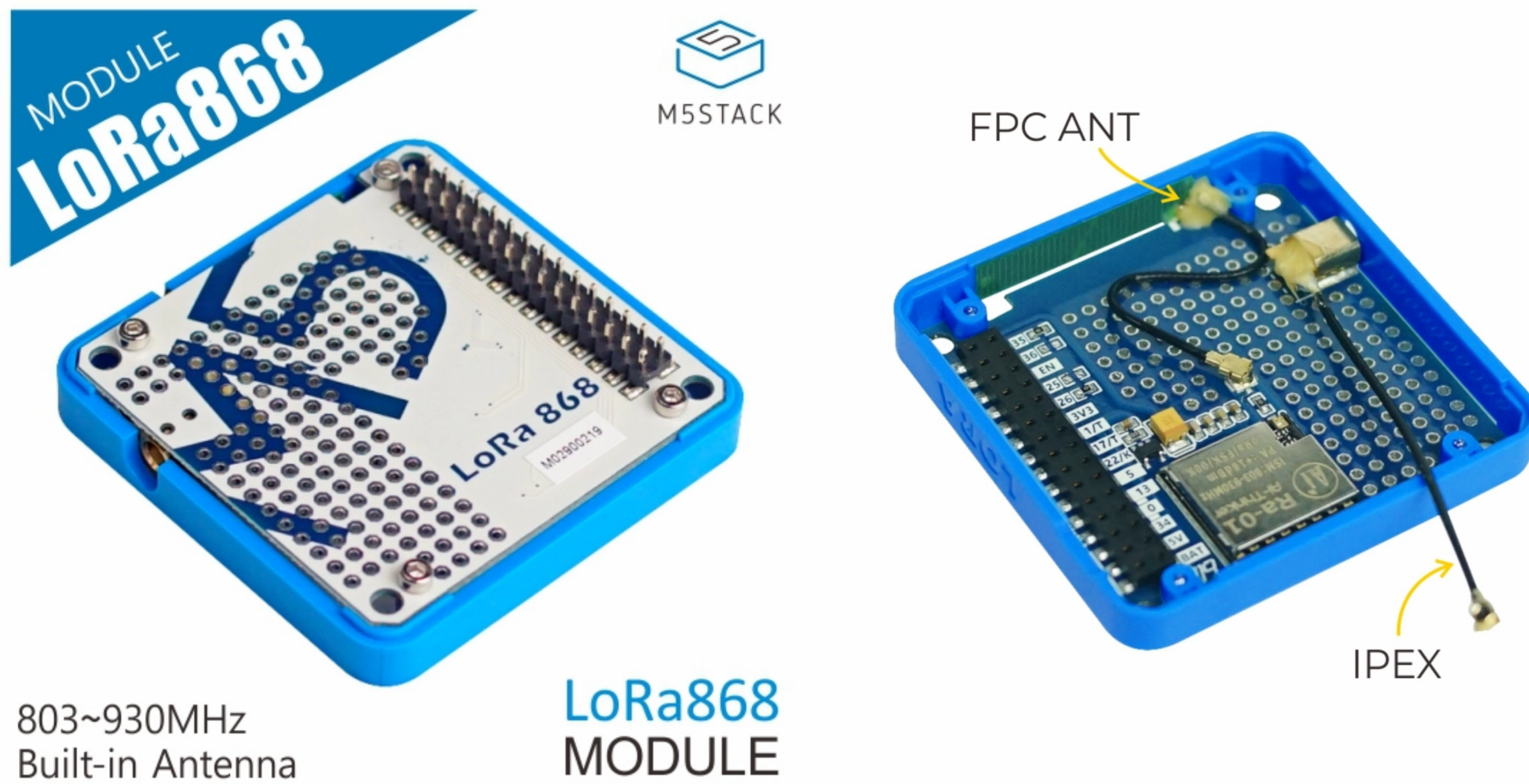


# Module LoRa868

SKU:M029



## Description

**LoRa868** is a LoRa communication module in the M5Stack stack module series (working frequency is 868MHz). A certain expansion space is reserved on the module, which defeats you for more functional design. For wireless communication or projects with more customized elements, the LoRa868 module will be a suitable choice.

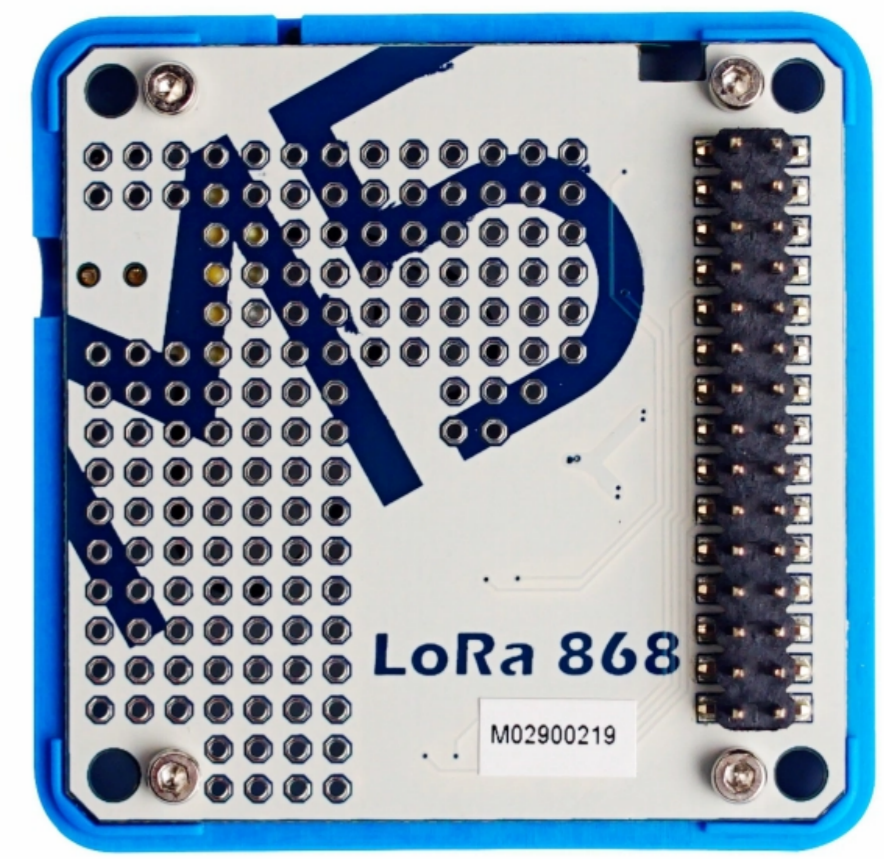
## Product Features

- LoRa Module: Ra-01H
- Communication Protocol: SPI
- Universal Perfboard
- Working Frequency: 803~930 MHz
- Supports: FSK, GFSK, MSK, GMSK, LoRa™ and OOK modulation modes
- Receive sensitivity: lowest to -141 dBm
- Programmable bit rate up to 300Kbps
- Built-in FPC Antenna
- External IPX Antenna connector
- Program platform: Arduino

## Include

- 1x M5Stack LoRa868 Module





## Applications

- Remote electricity meter reading
- Home automation
- Remote irrigation system

## Specification

Resources	Parameter
Net weight	14g
Gross weight	24g
Product Size	54.2*54.2*13mm
Package Size	60*57*17mm

## Related Link

- [LoRa Info \(LoRa\)](#)
- [LoRaWAN Regional Parameters](#)

## EasyLoader

EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to

perform a series of function verification.

[Download Windows Version Easyloader](#)

[Download MacOS Version Easyloader](#)

### Description:

Two devices will send and receive messages from each other.

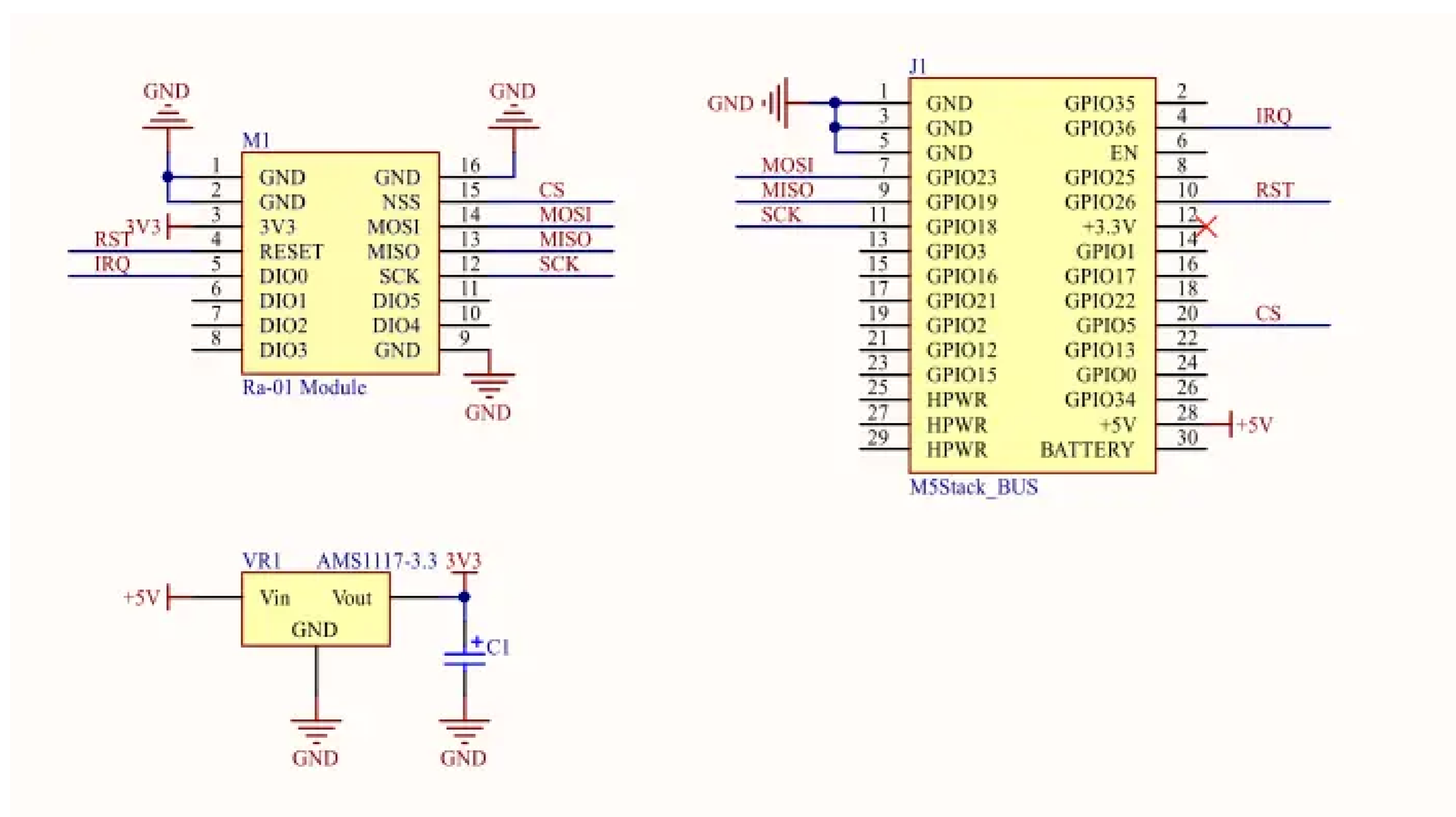
## Example

### Arduino IDE

These are the point-to-point communication [examples](#) between two LORA868 modules. The LoRa nodes send and receive messages.

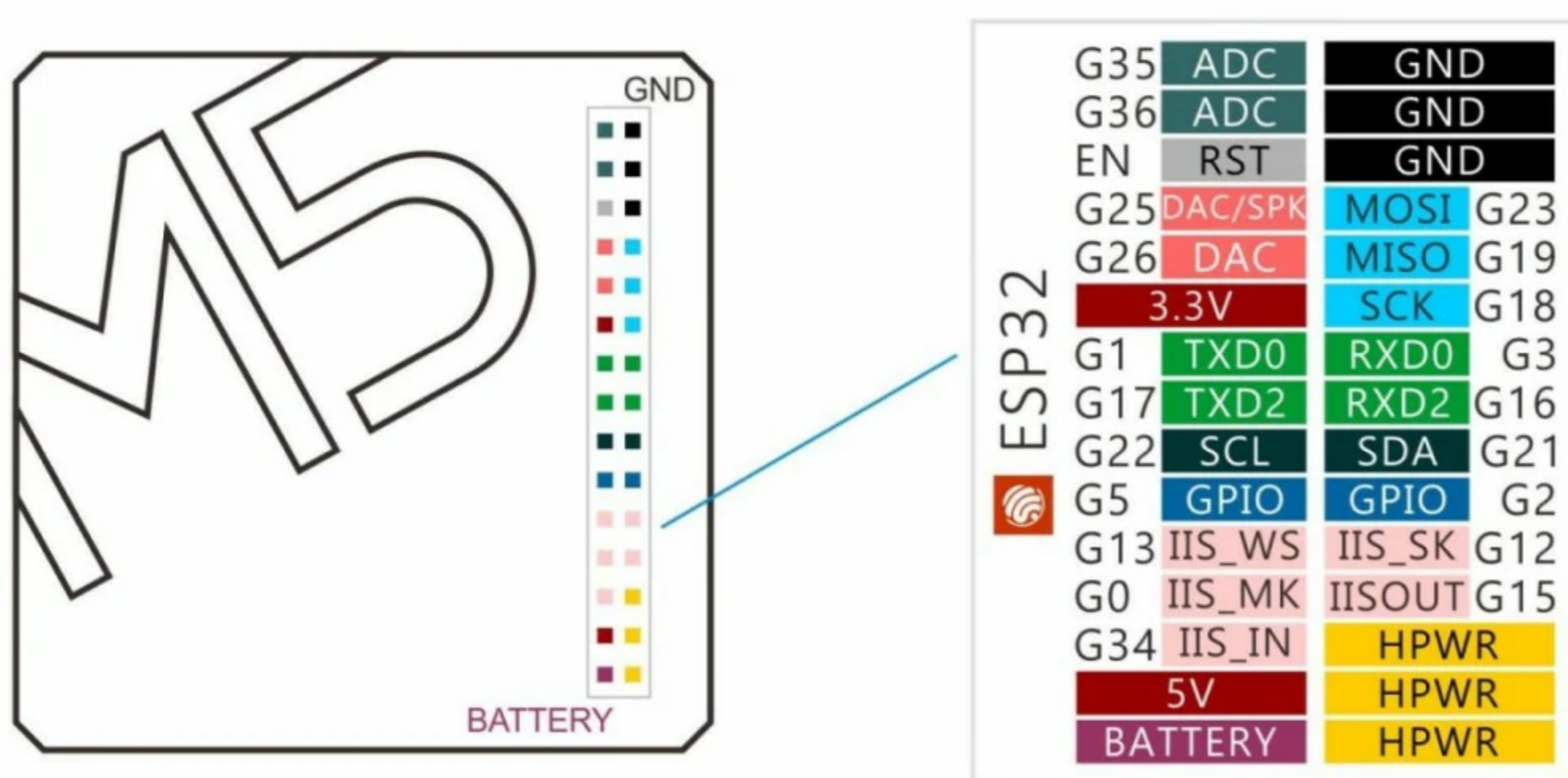
- Blue string indicates sending succeed.
- Yellow string display the received messages.
- Red string indicates initialization failed.

## Schematic



## MBUS PinMap





## FAQ

### COMMON

#### Q1: Consultation for after-sales problems of products +

Describe the problems encountered in detail. Screenshots of the programs involved or files can be added as attachments and sent to M5Stack's official after-sales email

[support@m5stack.com](mailto:support@m5stack.com)

#### Q2: Code Resources, Cases, User Communication +

M5Stack related resource links: Official Github

<https://github.com/m5stack>

<https://m5stack.hackster.io/>

<https://community.m5stack.com/>