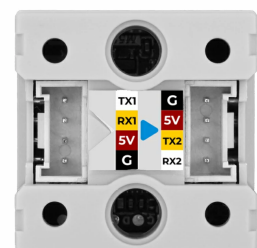
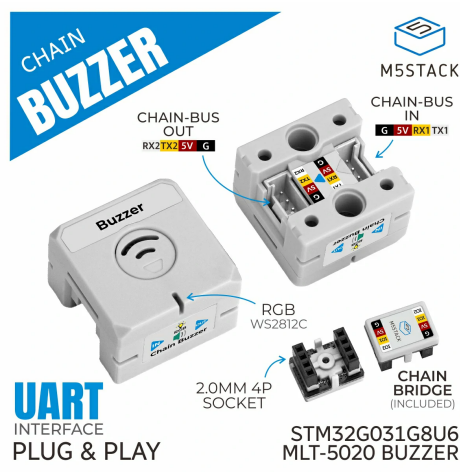


Chain Buzzer

SKU:U224





Description

Chain Buzzer is a buzzer output node in the M5Stack Chain series. It features a built-in buzzer and programmable RGB LED, making it suitable for audible notifications, status alerts, smart home alarms, and other applications. It integrates an STM32G031G8U6 core MCU and uses a UART serial daisy-chain communication protocol. Two HY2.0-4P expansion ports allow additional Chain series devices to be connected, enabling richer audio-visual interactive applications.

Features

- M5Stack Chain series
- Buzzer audio output
- STM32G031G8U6 core MCU
- 1 x RGB LED
- UART serial daisy-chain communication protocol
- 2 x HY2.0-4P expansion ports for connecting Chain series devices

Includes

- 1 x Chain Buzzer
- 1 x Chain Bridge

Applications

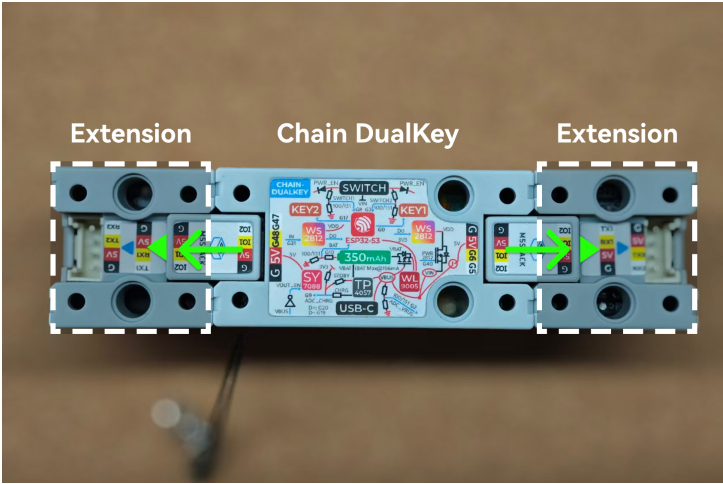
- Audible notifications
- Device status alerts

Specifications

Specification	Parameter
MCU	STM32G031G8U6
Input Power	DC 5V
Communication	UART 115200bps@8N1
Interface	2 x HY2.0-4P
Buzzer	MLT-5020
RGB LED	1 x WS2812C
Working Power	5V@198.3mA (buzzer duty cycle 50%, frequency 9.9kHz)
Working Temp	0 ~ 40°C
Product Size	23.9 x 23.9 x 16.0mm
Product Weight	5.9g
Package Size	138.0 x 93.0 x 17.0mm
Gross Weight	9.2g

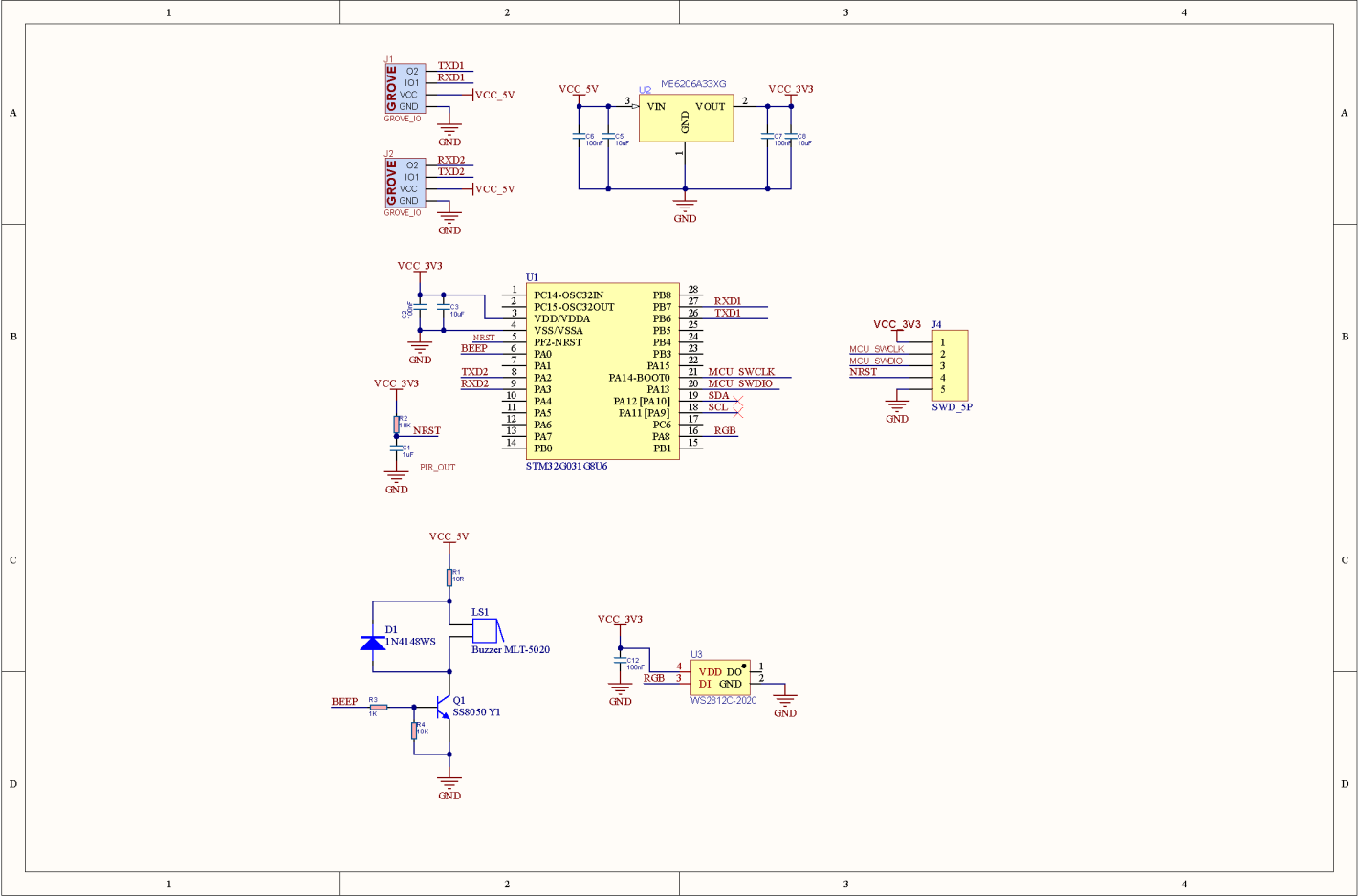
Learn

Use the Chain Bridge connector to connect the main controller Chain DualKey and each Chain series device. Pay attention to the orientation when connecting: the triangular arrow should point outward from the main controller Chain DualKey, as shown below:



Schematics

- [Chain Buzzer Schematics PDF](#)



PinMap

RGB LED

STM32G031	PA8
WS2812C	RGB

Buzzer

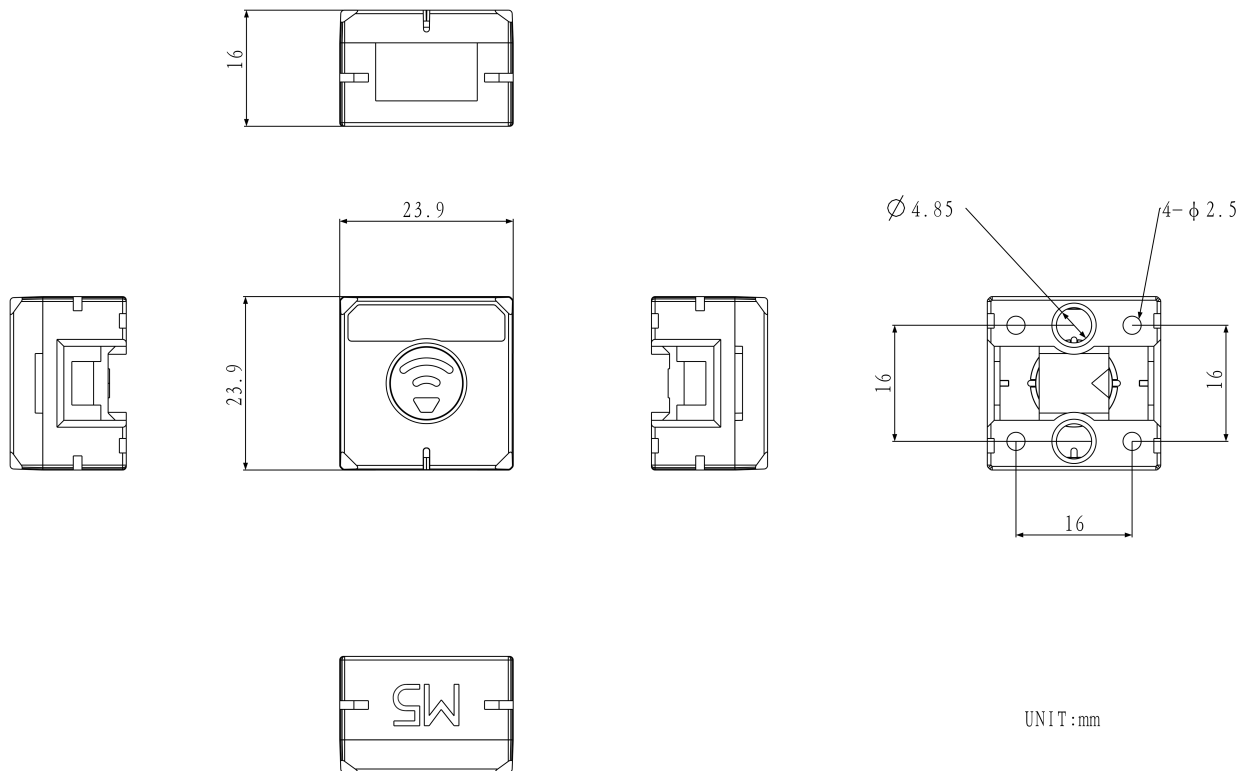
STM32G031	PA0
Buzzer	Output

UART

STM32G031	PB6	PB7	PA2	PA3
UART1	TXD1	RXD1		
UART2			TXD2	RXD2

Model Size

- Chain Buzzer Model Size PDF



Softwares

Arduino

- [Chain Buzzer Arduino Guide](#)
- [Chain Buzzer Arduino Library](#)
- [Chain Buzzer Example Program](#)

UiFlow2

- [Chain Buzzer UiFlow2 Documentation](#)

Internal Firmware

- [Chain Buzzer Internal Firmware](#)

Protocol

[View Protocol](#)

- [Chain Buzzer Communication Protocol PDF](#)

Video

- [Chain Buzzer Product Introduction and Feature Demonstration](#)

