HAT-Vibrator 🛒

Description

HAT-Vibrator is a vibrating motor adapted to the **M5StickC/C-Plus series** . It is made of cylindrical iron core patch **Z30C1T8219731 motor** . The motor speed is **12000 RPM** . This product can produce various **vibration effects** , such as: **increase or decrease vibration level, produce "click" effect, produce different buzzer effects, and even vibrate with music/audio input** . It can be applied to all kinds of electronic products, as **information prompt** and **touch feedback** .

Features

- The motor rotates clockwise
- Rotational speed: 12000RPM
- Compatible with StickC/C-PLUS
- Supported platforms UIFlow, Arduino .

Includes

- 1x HAT-Vibrator
- 1 × Double-sided sticker

## Applications

- Touch feedback
- Vibration information prompt

Specification

Resources	Parameters
Vibrator	Z3OC1T8219731 motor
Motor construction	4mm×3mm cylindrical core SMT motor
Motor Number of magnet poles	2-poles (inner magnet type)
Quota voltage	3.0V
Rated current	85mA
Rated speed	12000RPM
Using voltage	2.3V-4.5V
Operating conditions	0~95%RH , 0-40℃
Vibration Frequency	10 to 55Hz
Product Size	24mm × 21mm × 14mm
Package Size	136mm × 92mm × 14mm
Product Weight	4.7g
Package Weight	7.1g
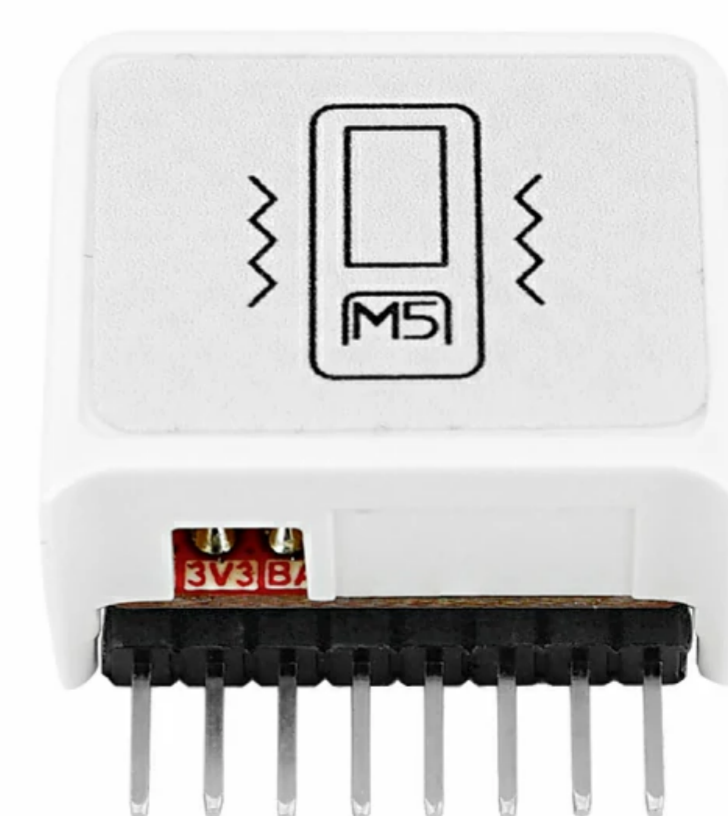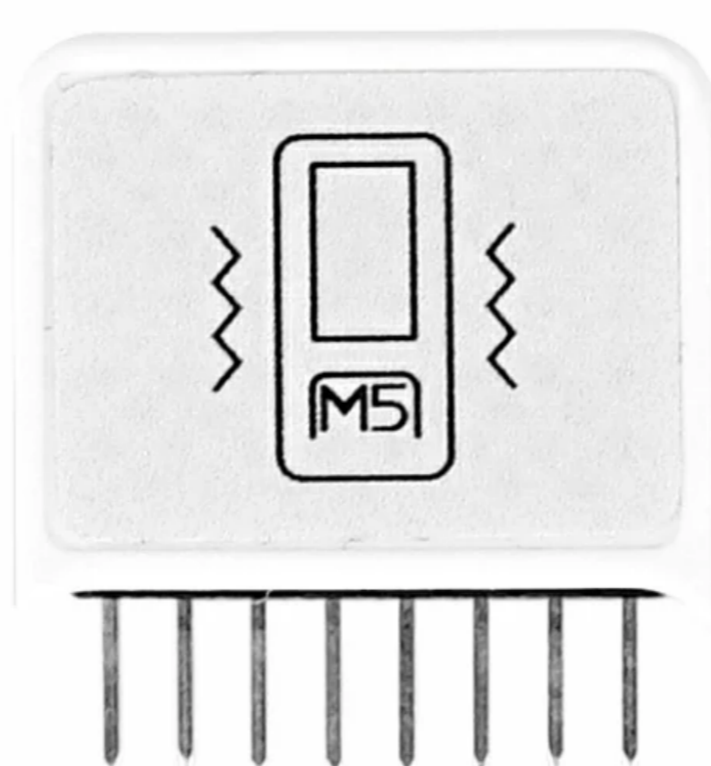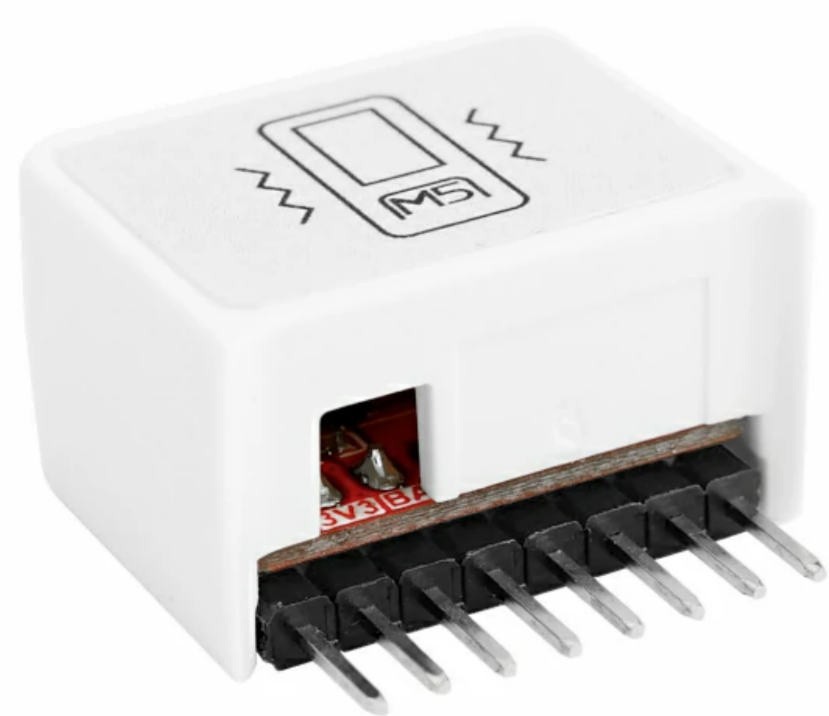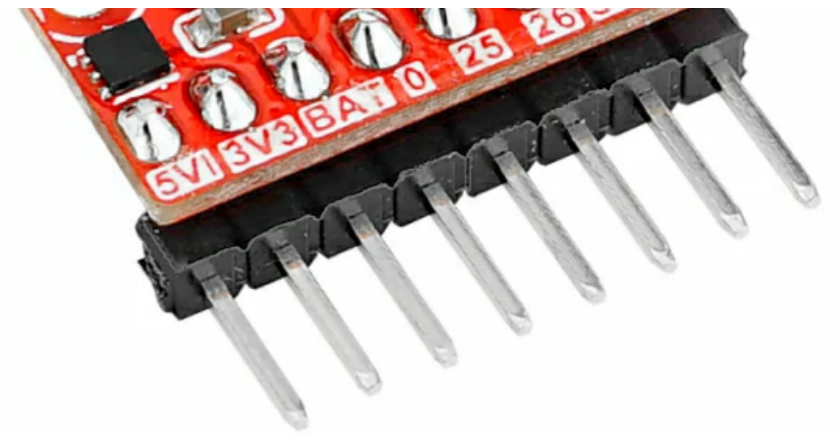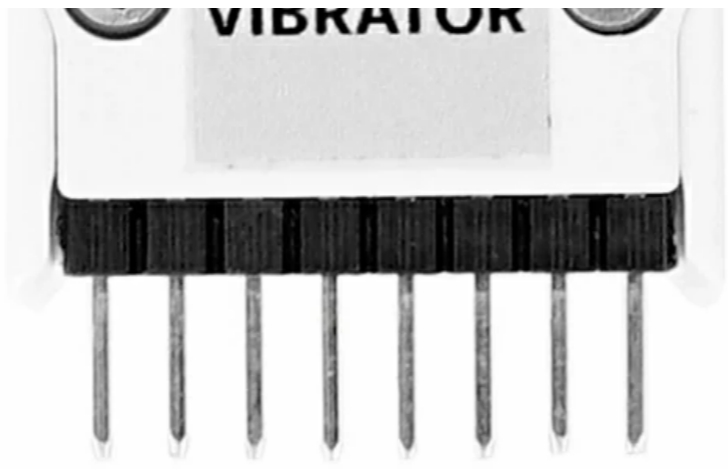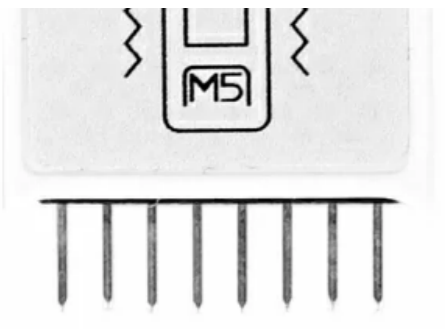
Related Link

Schematic
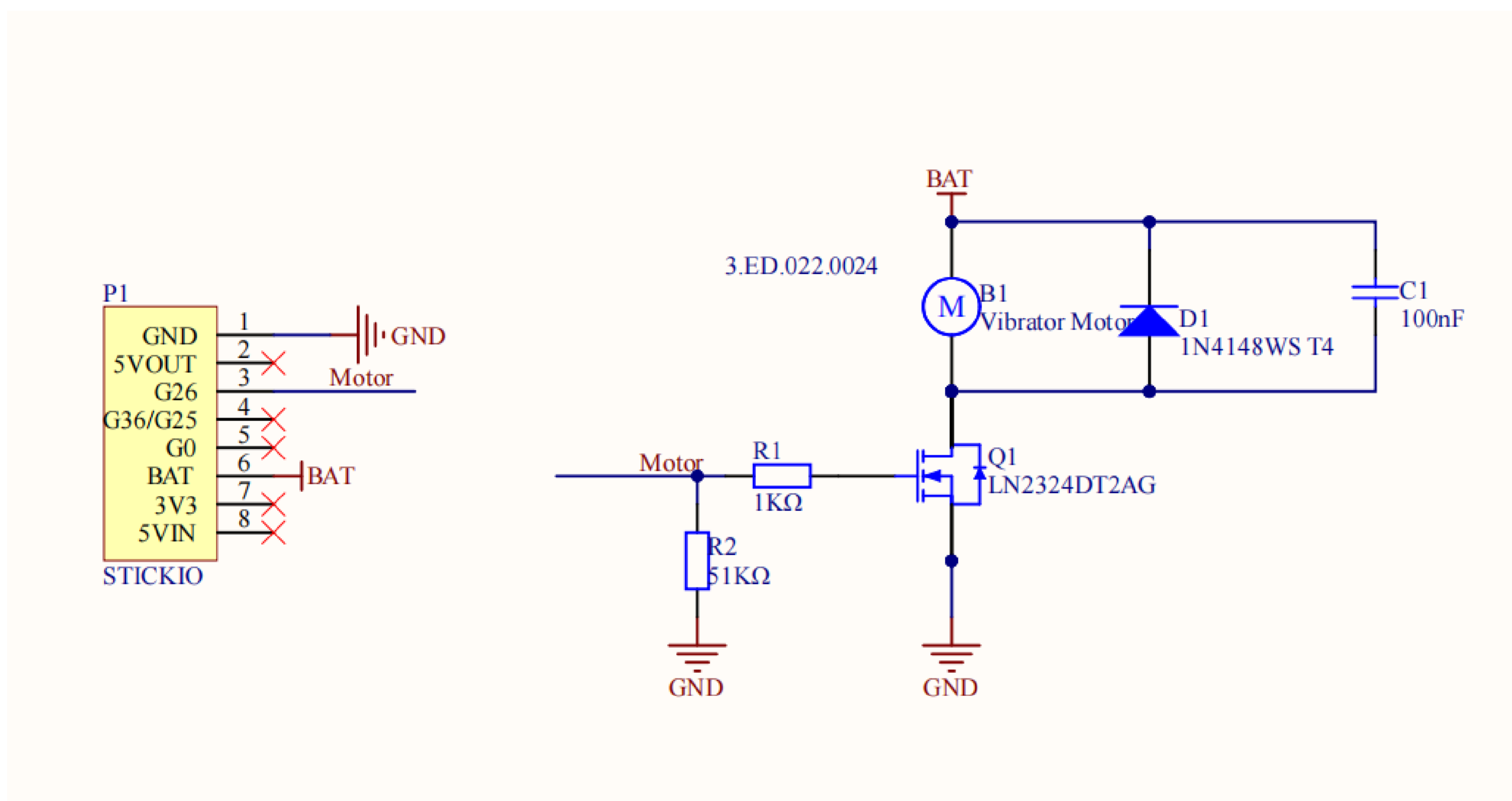
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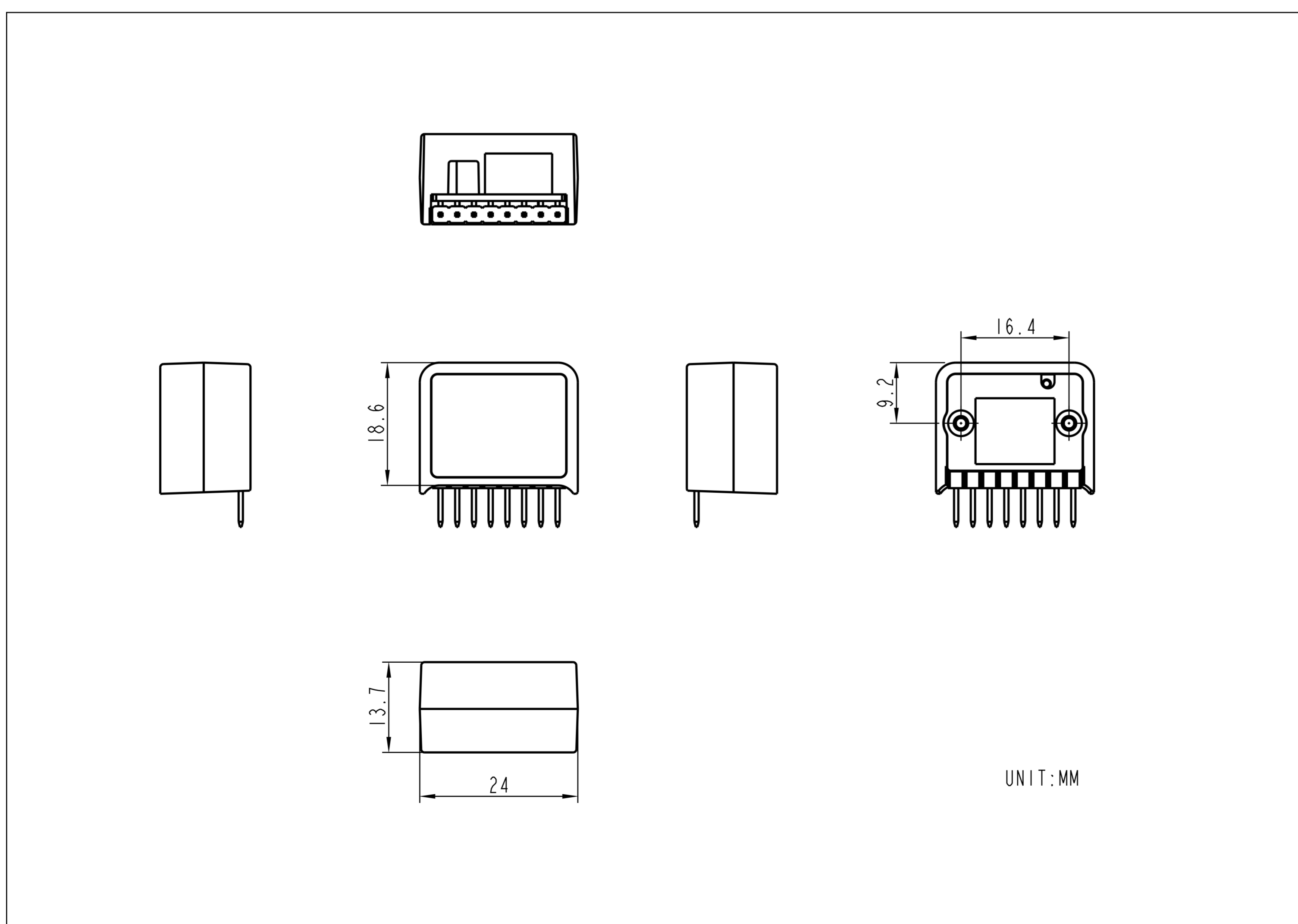
Examples

Arduino

- HAT-Vibrator Arduino Example

- Inspired by Norippy

UIFlow
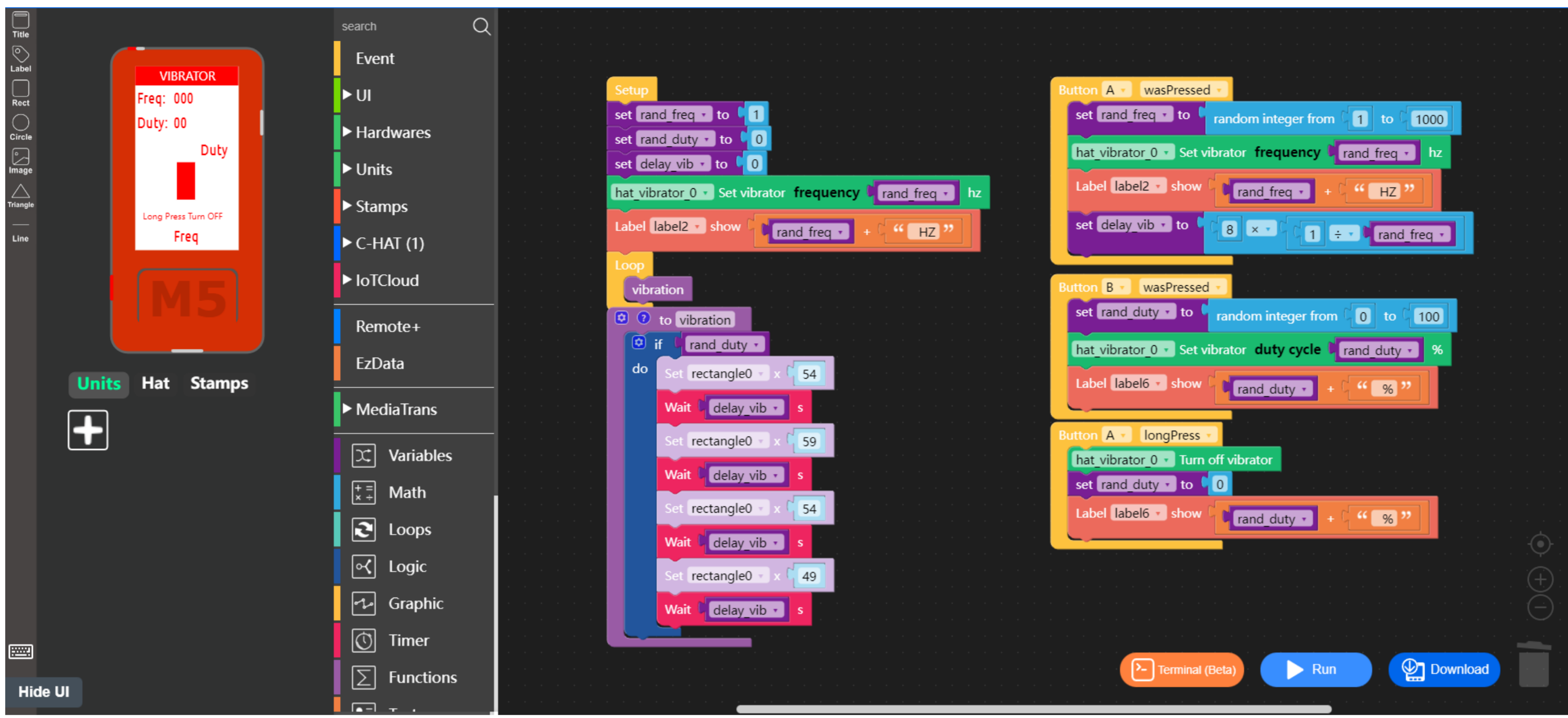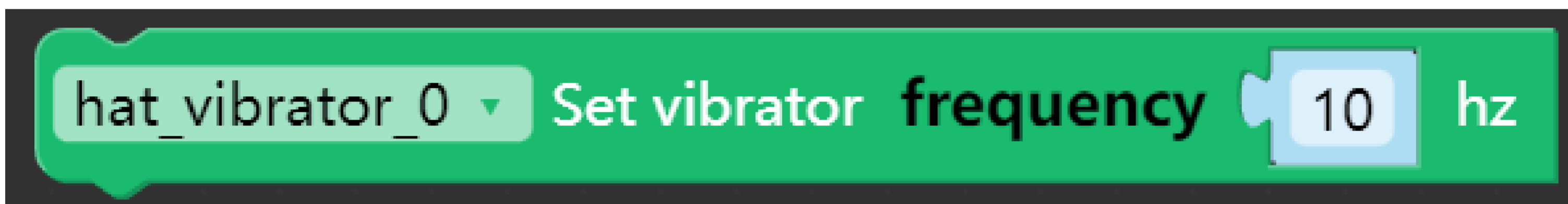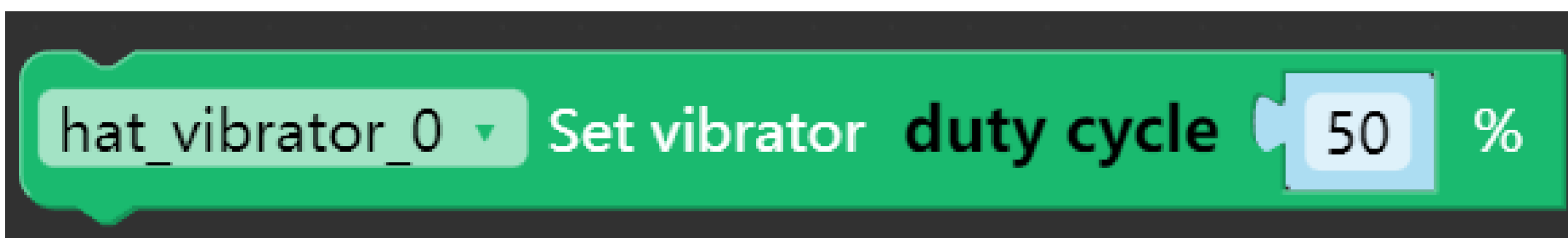
UIFlow Blocks

○ Set vibrator frequency

○ Set vibrator duty cycle

○ Turn off vibrator