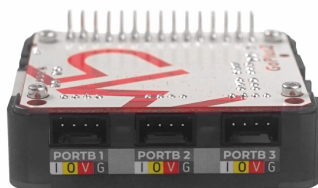
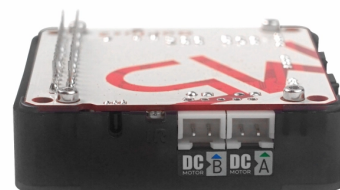
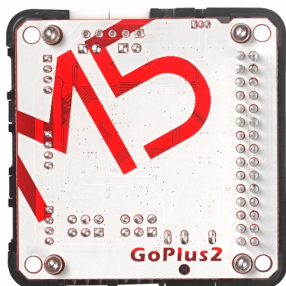
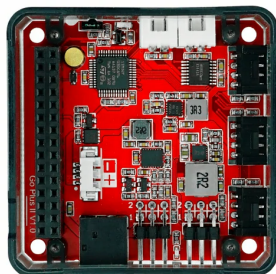
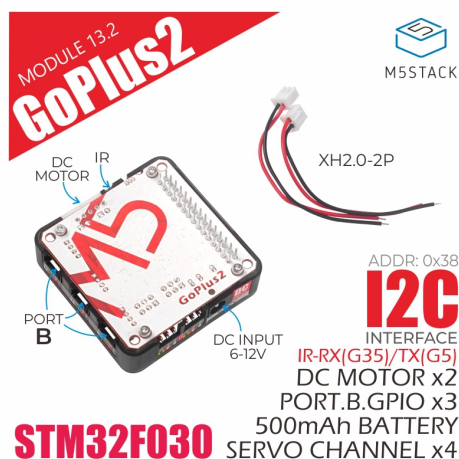


Module13.2 GoPlus2

SKU:M025-B



Description

Module13.2 GoPlus2 is a stackable multi-functional motor and servo control module. The lower computer uses the STM32F030C8T6, and the module is equipped with 2 DC motor drive interfaces, 4 servo drive interfaces, and can expand 3 PORT-B interfaces to meet analog input, digital input and output needs, while supporting infrared (IR) transmission and reception. The module provides a DC power interface for external power supply, and also has a built-in 500mAh battery that can be charged via the M5Core host.

Features

- 2x DC motor drive channels
- 4x servo drive channels
- IR transmission & reception
- 3x expandable PORT B
- Power indicator
- Built-in 500mAh battery
- Main control chip: STM32F030C8T6
- Communication protocol: I2C (0x38)

Includes

- 1 x Module13.2 GoPlus2
- 2 x DC Motor connection cables

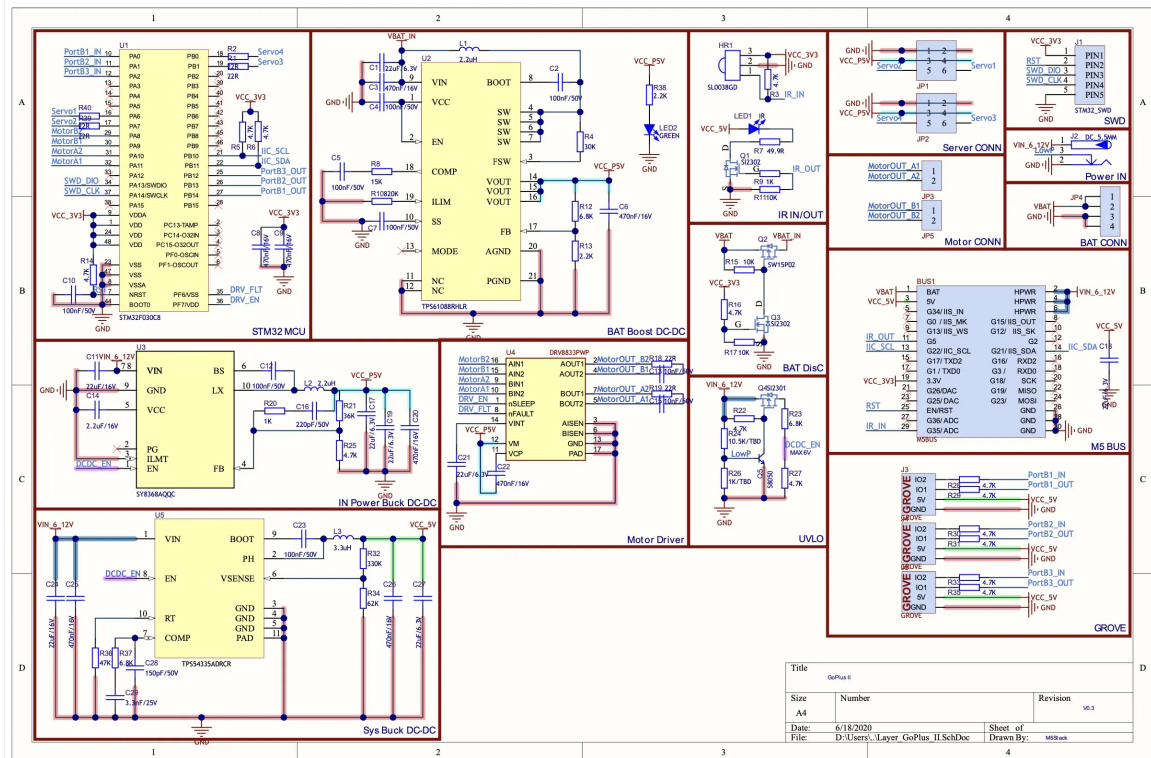
Applications

- Servo/motor driver
- Multi-channel input/output signal acquisition and control
- Infrared controller
- DIY toy base

Specifications

Specification	Parameter
Main Control Chip	STM32F030C8T6
Peripheral Ports	DC Motor x 2, PORT-B x 3, Servo x 4
Motor Driver	DRV8833
Infrared	Transmit and Receive Functions
Battery	500mAh
Communication	I2C Communication @0x38
Product Size	54.0 x 54.0 x 13.0mm
Product Weight	38.0g
Package Size	133.0 x 95.0 x 20.0mm
Gross Weight	58.0g

Schematics

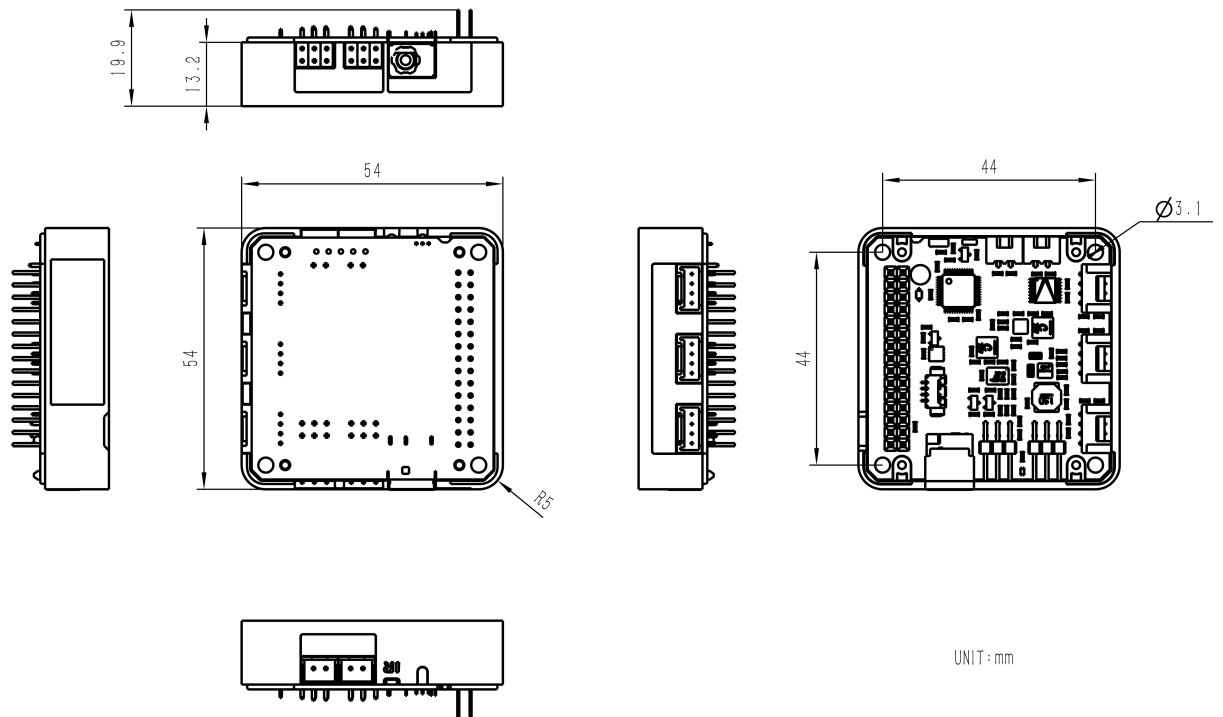


PinMap

M5-Bus

PIN	LEFT	RIGHT	PIN
GND	1	2	IR_IN
GND	3	4	
GND	5	6	RST
	7	8	
	9	10	
	11	12	3V3
	13	14	
	15	16	
SDA	17	18	SCL
	19	20	
	21	22	IR_OUT
	23	24	
HPWR	25	26	
HPWR	27	28	5V
HPWR	29	30	BAT

Model Size



Datasheets

- [DRV8833 Datasheet](#)

Softwares

Arduino

- [Module13.2 GoPlus2 Example with M5Core](#)

UiFlow1

- [Module13.2 GoPlus2 UiFlow1 Docs](#)

UiFlow2

- [Module13.2 GoPlus2 UiFlow2 Docs](#)

Protocol

- [Module13.2 GoPlus2 I2C Protocol](#)

Easyloader

Easyloader	Download Link	Notes
Module13.2 GoPlus2 Example Easyloader with M5Core	download	/

| Video

[GoPlus2.mp4](#)