GoPlus2

Description

GoPlus2 is a stackable multi-functional motor and servo control module. The master control integrates the STM32F030C8T6 chipset. The module is equipped with 2-way DC motor drive interface and 4-way servo drive interface. Three PORT-B interfaces(Analog Input,Digital Output,Digital Input) can be expanded. Built-in 500mAh battery and support infrared (IR) transmission and receive. In order to meet the requirements of multi-channel interface power supply at the same time, a DC power interface is provided for external power supply, battery can be charged through the M5Core with USB-C.

Communication protocol: I2C(0x38)

Product Features

- 2x DC motor interface
- 4x Servo interface
- IR transmit & receive
- 3x expand PORT B
- STM32F030C8T6
- Built in 500mAh battery

Include

- 1x GoPlus2 Module
- 2x DC Motor Cable

Application

- Actuator / motor driver
- Acquisition and control of multiple input and output signals
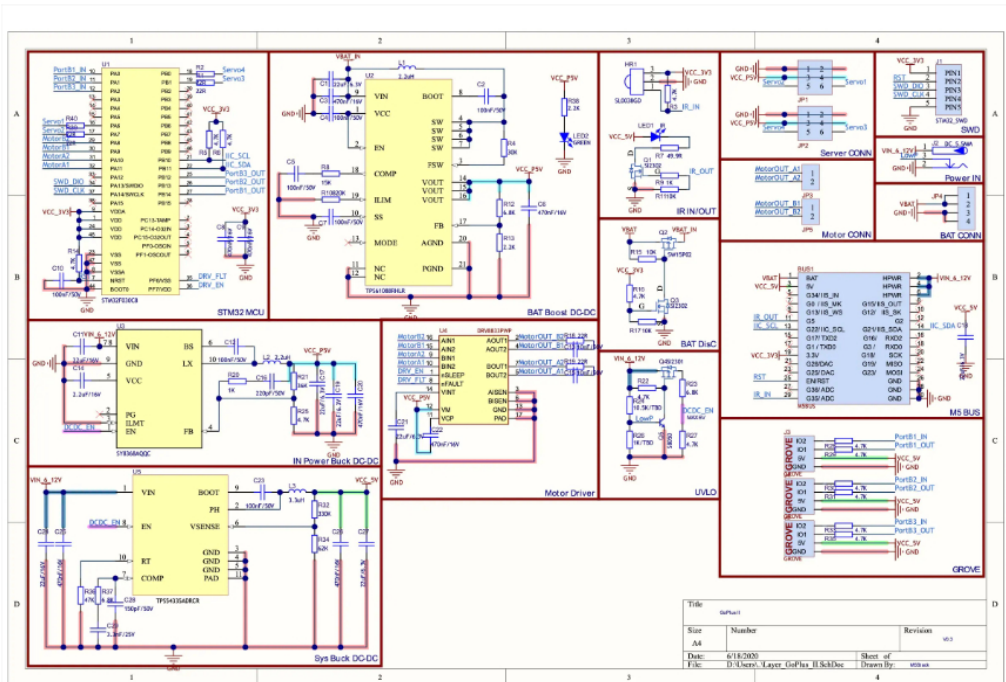- Infrared controller
- DIY Toy base

Specification

Resources	Parameter
Main control chip	STM32F030C8T6
Expand interface	DC Motor x 2,PORT-B x 3, Servo x 4
motor drive	HR8833 H-bridge drive
IR	Transmit and Receive
Battery	500mAh
Net Weight	38g
Gross Weight	58g
Product Size	54*54*13mm

Package Size	95*65*25mm

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. Please install the corresponding driver according to the device type. M5Core host Please click here to view the CP210X driver installation tutorial

Schematic

PinMap

M5Core(GROVE A)	GPIO35	GPIO5
IR	Receive	Transmission

Related Link

Protocol Manual
GoPlus2 I2C Protocol

Example

Arduino

To get example code, please click here to download

PURCHASE