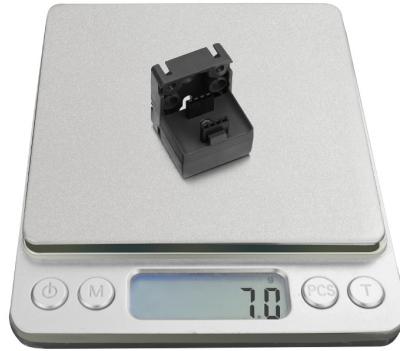
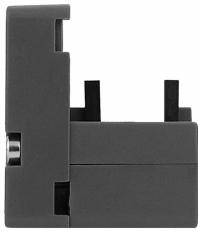


Grove Converter

SKU:A162





Description

Grove Converter is a Unit interface combination connector. It features two male HY2.0-4P connectors and one female HY2.0-4P connector, all interconnected to allow flexible connections between controllers and expansion modules. The connector is equipped with a USB Type-C power input interface that provides a stable 5V power supply for multiple devices, featuring self-recovery overcurrent protection to ensure safety. The back side includes mounting holes compatible with M3 screws, LEGO holes, and nut slots for versatile installation options that facilitate integration into various applications.

Features

- Multiple mounting options
 - M3 hanging holes
 - M3 nut slots
 - LEGO-compatible holes
- USB Type-C with overcurrent protection
- Unit interface extension

Includes

- 1 x Grove Converter
- 2 x M3 * 12mm Screws (pan head, self-tapping)
- 2 x M3 * 20mm Screws (pan head, self-tapping)
- 2 x M3 Nuts
- 1 x Hex Key L-Shape 2.0mm (For M2.5 Screw)
- 1 x Hex Key L-Shape 1.5mm (For M2 Screw)

Applications

- Multi-sensor expansion
- Unit device fixing and power integration
- Portable embedded project development scenarios

Specifications

Specification	Parameter
Power Interface	USB Type-C, Grove
Product Size	28.0 x 24.0 x 24.0mm
Product Weight	7.0g
Package Size	138.0 x 93.0 x 25.0mm
Gross Weight	15.4g

Learn

Device Connection Description

The two internal male HY2.0-4P connectors of the Grove Converter have a fixed spacing of 9.8mm, suitable for back-to-back connection of two Units. Because of this spacing limitation, some devices cannot be connected simultaneously.

1. To connect two devices at once, Units with pin-type HY2.0-4P sockets (as shown in image 1 below) must be used. Most Units meet this requirement; for controllers, Unit C6L can be used.
2. For Units with SMD-type HY2.0-4P sockets (as shown in image 2 below), such as Unit CamS3 and AtomS3R, simultaneous connection is not possible due to PCB height restrictions.

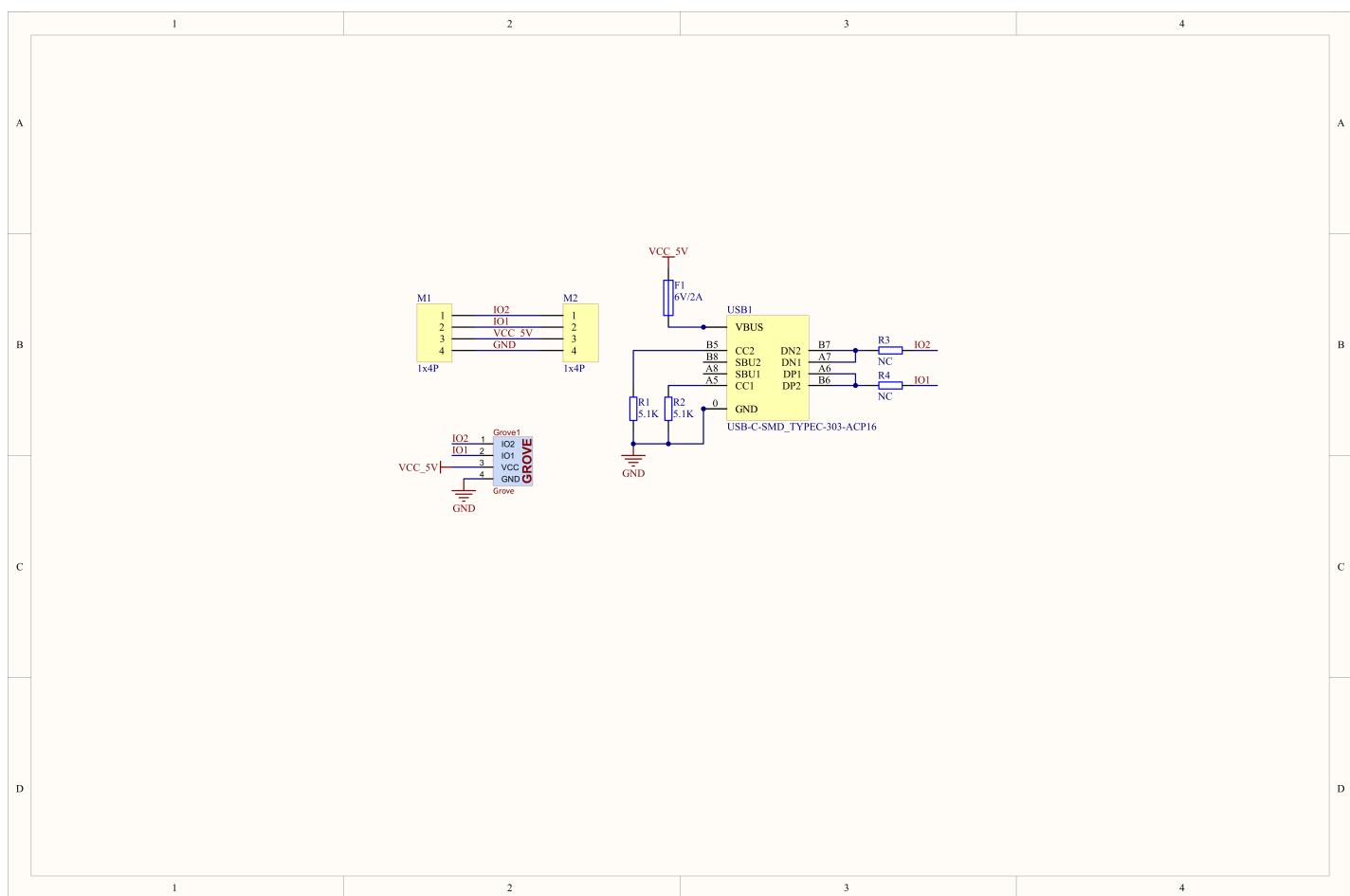


Device Connection Diagram



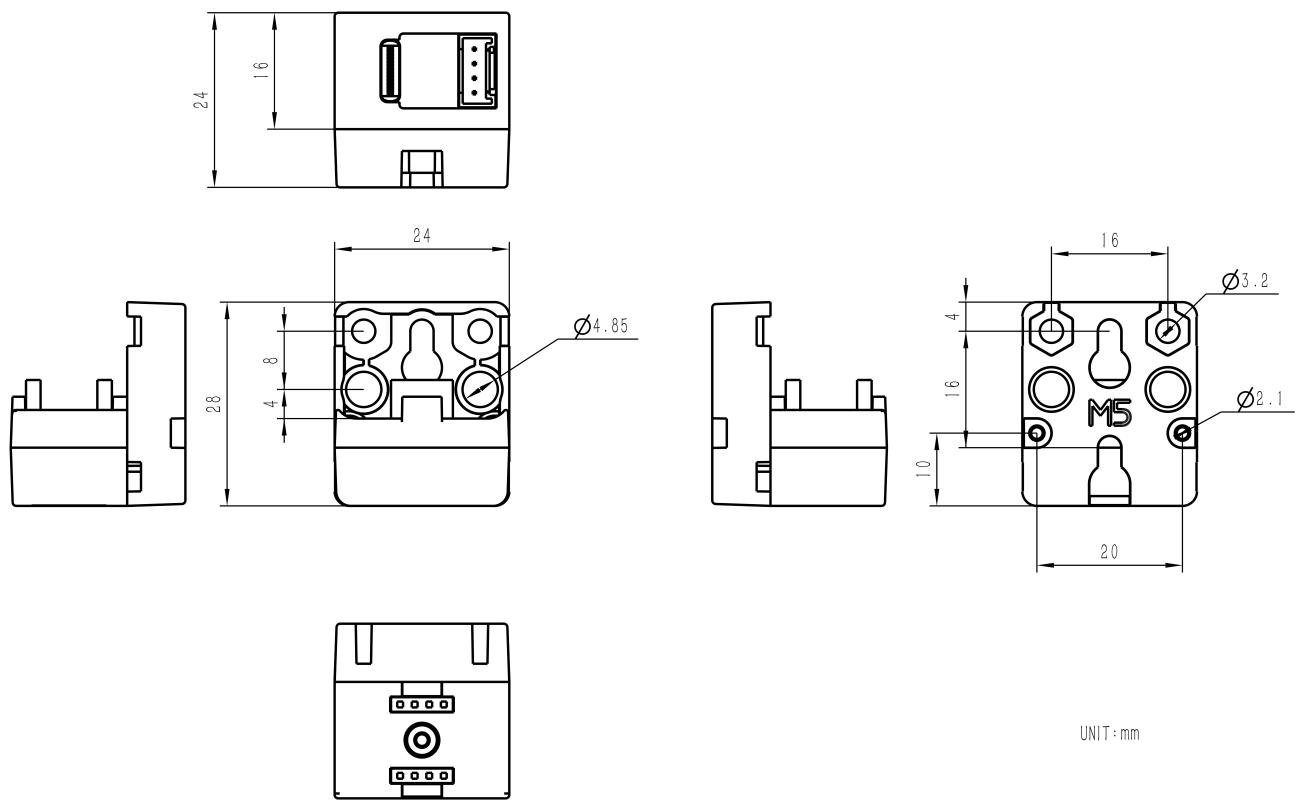
Schematics

- Grove Converter Schematics PDF



Model Size

- Grove Converter Model Size PDF



Video

- Grove Converter Product Introduction and Function Demonstration

[A162-Grove-Converter-video-EN.mp4](#)