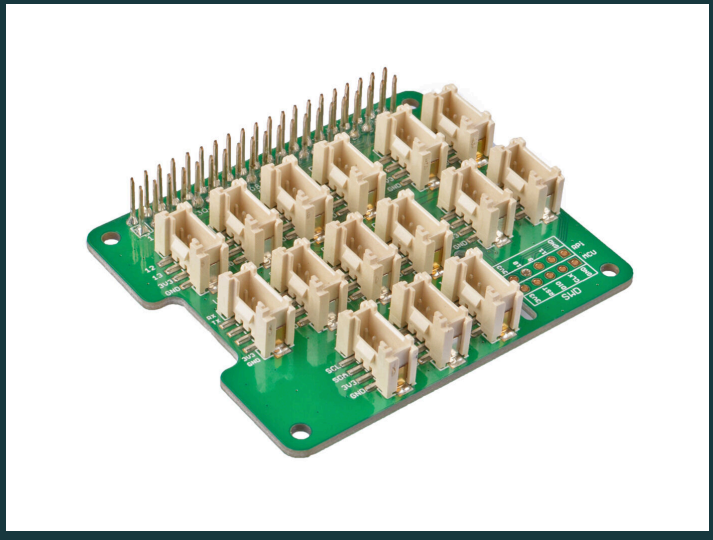
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INDUSTRIAL PRODUCT DATASHEET

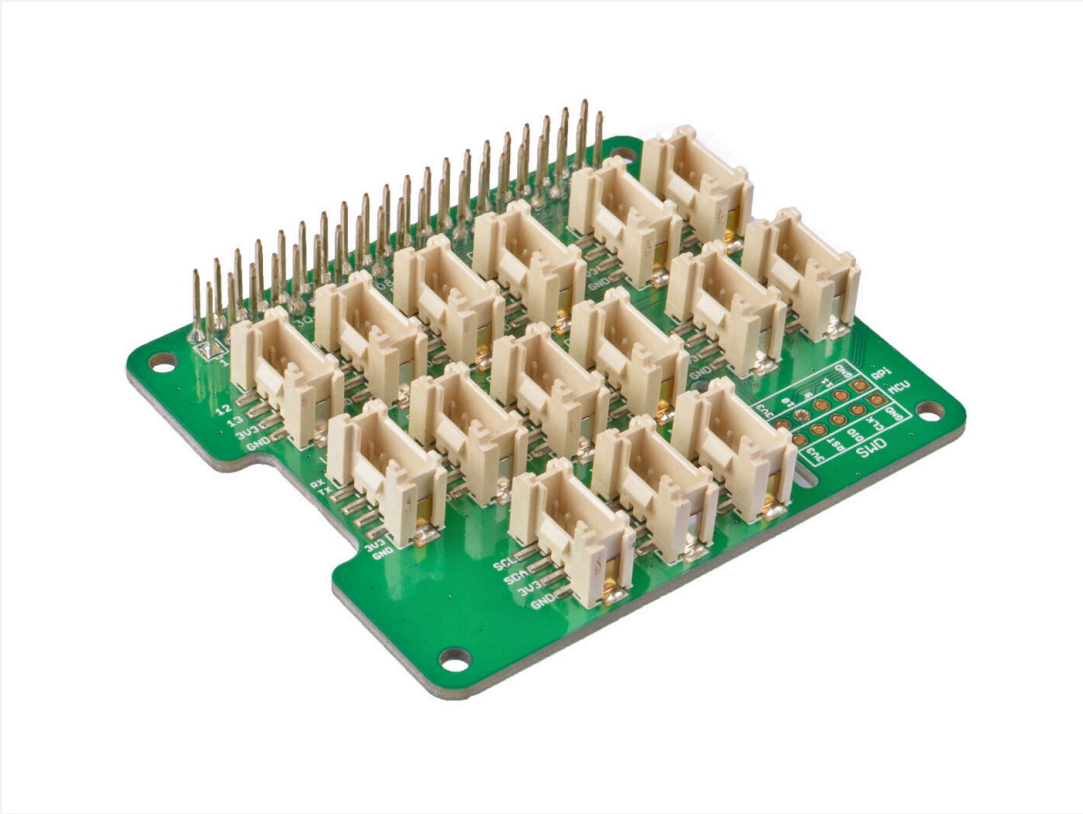
Grove Base Hat for Raspberry Pi - 24-Pin GPIO maintain, Grove interface for 3× I2C, 1× UART, 6× Digital, 4× Analog, SWD Debug interface, 1x PWM Port

Grove Base Hat for Raspberry Pi with 15 Grove ports (3× I2C, 1× UART, 6× Digital, 4× Analog, 1x PWM), 24-Pin GPIO, SWD Debug interface, and plug-and-play support for over 60 Grove modules.

SKU	UPDATED	PRICE
103030275	2026-11-03 03:37:30	$5.90(Excl. VAT)



Overview



The Grove Base Hat for Raspberry Pi breaks out all Raspberry Pi pins and power to provide 15 multi-function Grove ports and a compatible 24-Pin GPIO based on a 12-bit ADC MM32 chip. It offers 3× I2C, 1× UART, 6× Digital, 4× Analog, 1x PWM port, and an SWD Debug interface, supporting plug-and-play connection to more than 60 Grove modules.

Key Features

01 **Grove & GPIO Pi Hat for Raspberry Pi Series**

Break out all the pins and power of the Raspberry Pi to provide 15 multi-function Grove ports and compatible 24-Pin GPIO based on a 12-bit ADC MM32 chip

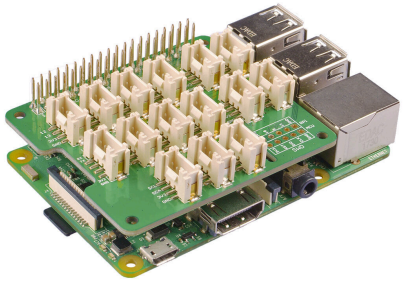
02 **Rich Peripherals for Grove**

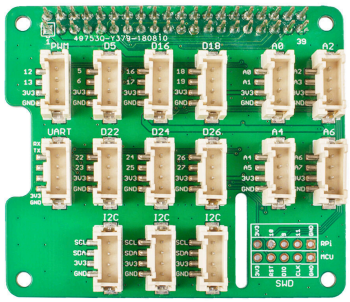
Provide 15 Grove ports including 3× I2C, 1× UART, 6× Digital, and 4× Analog, which also contains 1x PWM port, and the SWD Debug interface.

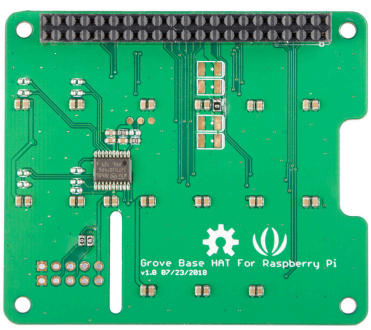
03 **Plug and Play**

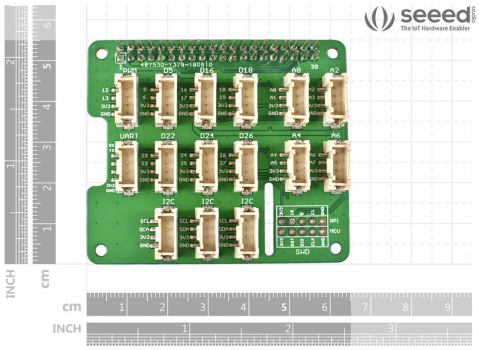
Benefit from convenient Grove connectors that supports more than 60 Grove modules

Product Gallery

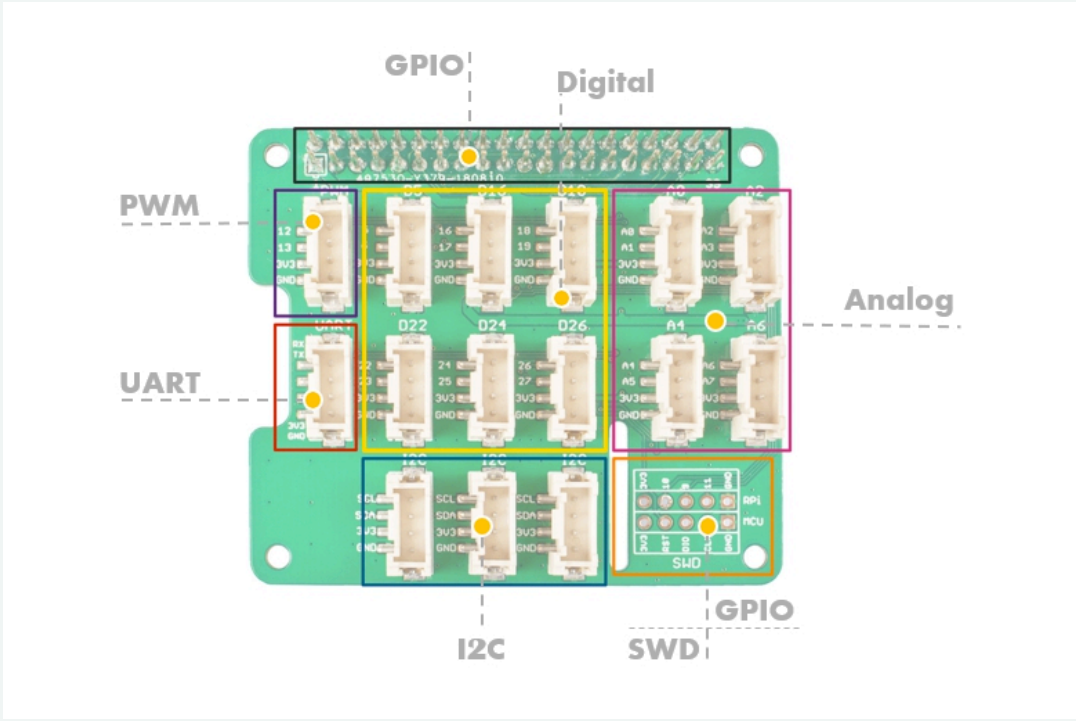








Hardware Overview



Applications

- Projects with Grove sensors
- Electronics beginning
- SWD debug
- Rapid prototyping
- Intelligent control

Resource Links

- https://www.seeedstudio.com/Grove-Base-Hat-for-Raspberry-Pi.html
- Grove Base Hat for Raspberry Pi Eagle Files
- Seeed Grove.py Library
- STM32F030F4P6TR-Firmware
- MM32F031F6P6-Firmware
- STM32 Datasheet
- MM32F031F6P6_Datasheet.pdf

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