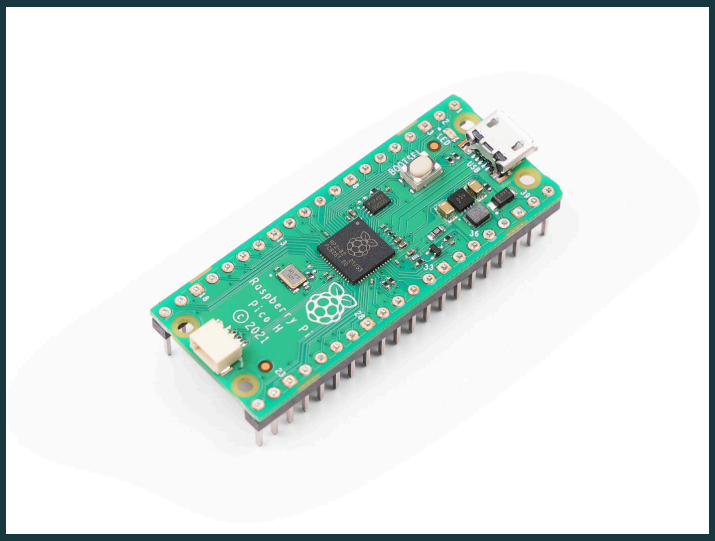
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INDUSTRIAL PRODUCT DATASHEET

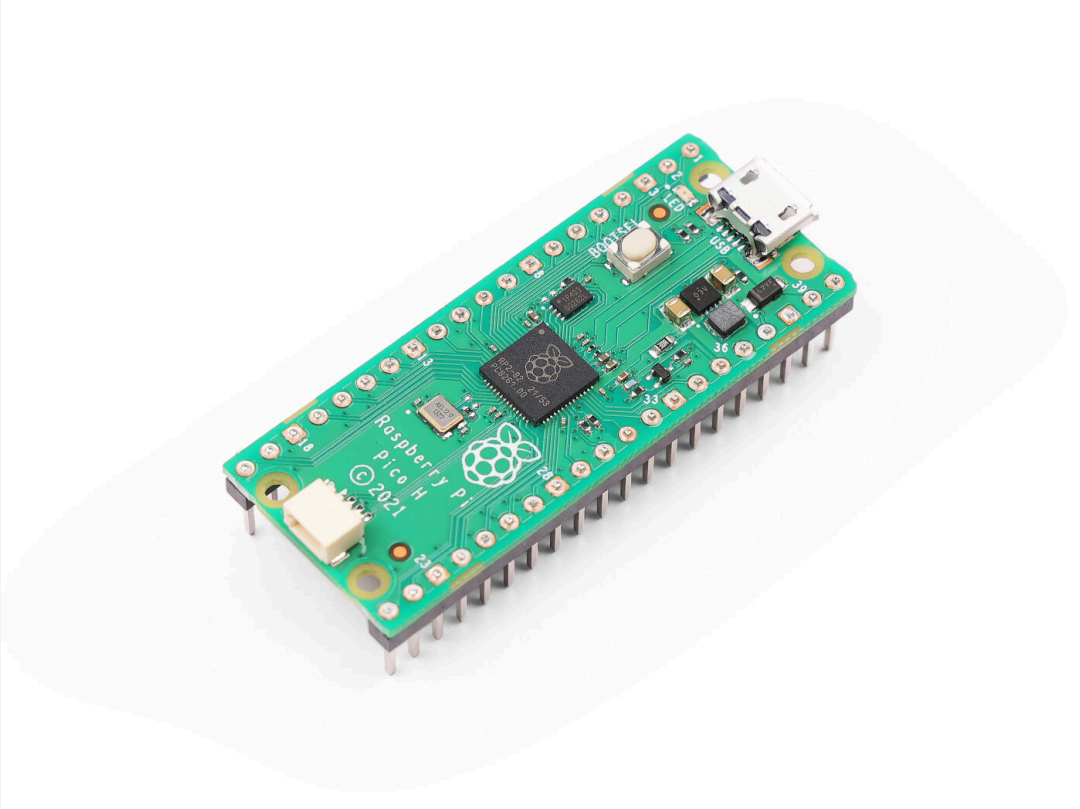
# Raspberry Pi Pico H

Raspberry Pi Pico is equipped with the powerful RP2040 chip, features high performance and rich on-board interfaces/resouces, yet offered a relatively low price.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 102111002 | 2026-11-21 06:09:05 | $5.00(Excl. VAT) |



# Overview




Raspberry Pi Pico is equipped with the powerful RP2040 chip, features high performance and rich on-board interfaces/resouces, yet offered a relatively low price. It is perfectly designed for the beginners to electronics, pretty suitable for IoT controlling applications. Raspberry Pi Pico H is a version with pre-soldered male headers on all through-holes and a 3-pin debug connector. The pitch remains 2.54mm and is breadboard compatible.

# Key Features

01 **Fast Development and Debugging**

Raspberry Pi Pico H features pre-soldered pins and a 3-pin debug connector.

02 **High Performance**

Powered by RP2040 dual-core ARM Cortex M0+ processor, running up to 133 MHz, included 2MB of onboard Flash memory, mounted 25 multi-function GPIOs

03 **Easy Development**

Drag & drop programming over a USB through MicroPython & Arduino

04 **Design for Beginners/Children**

Provide tons of projects and tutorials, allowing for quick positive programming feedback, getting started well with electronics

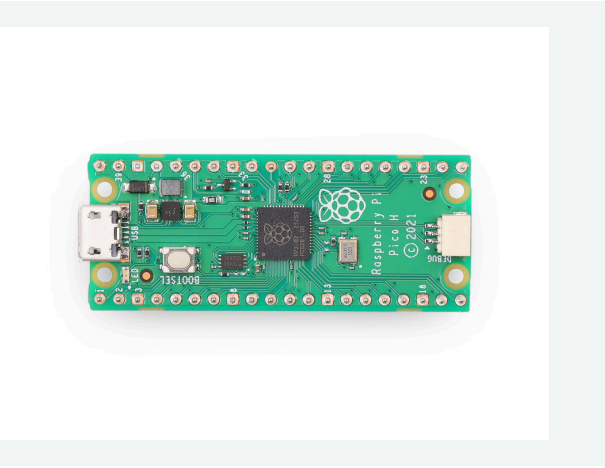
05 **Suitable for Embedded AI**

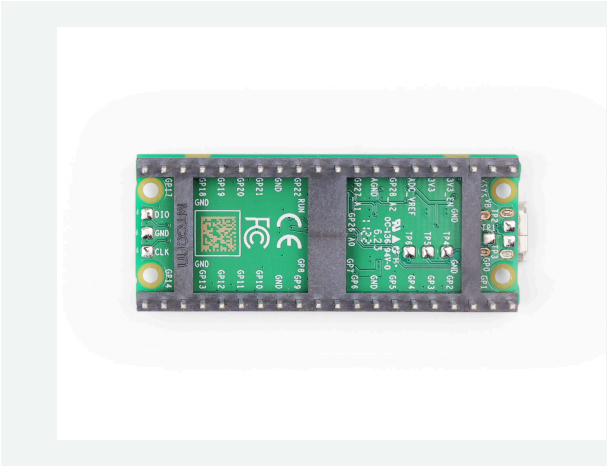
Great Embedded Machine Learning platform by two cores of RP2040 chip and plenty of on-chip RAM, while also supporting TensorFlow Lite

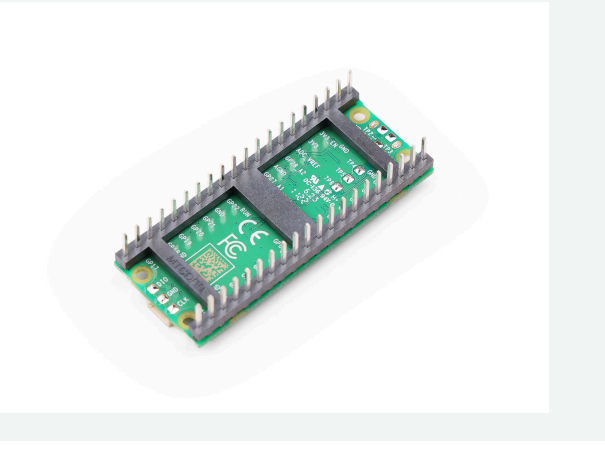
06 **Grove Starter Kit for Raspberry Pi Pico Series**

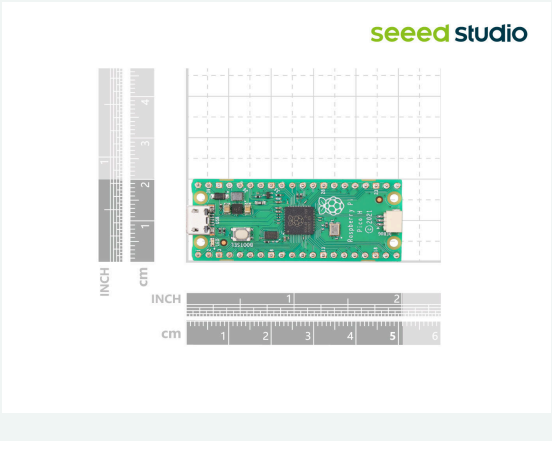
The Grove Starter Kit for Raspberry Pi Picooffers a variety of components and MicroPython courses to help you easily get started.

# Product Gallery

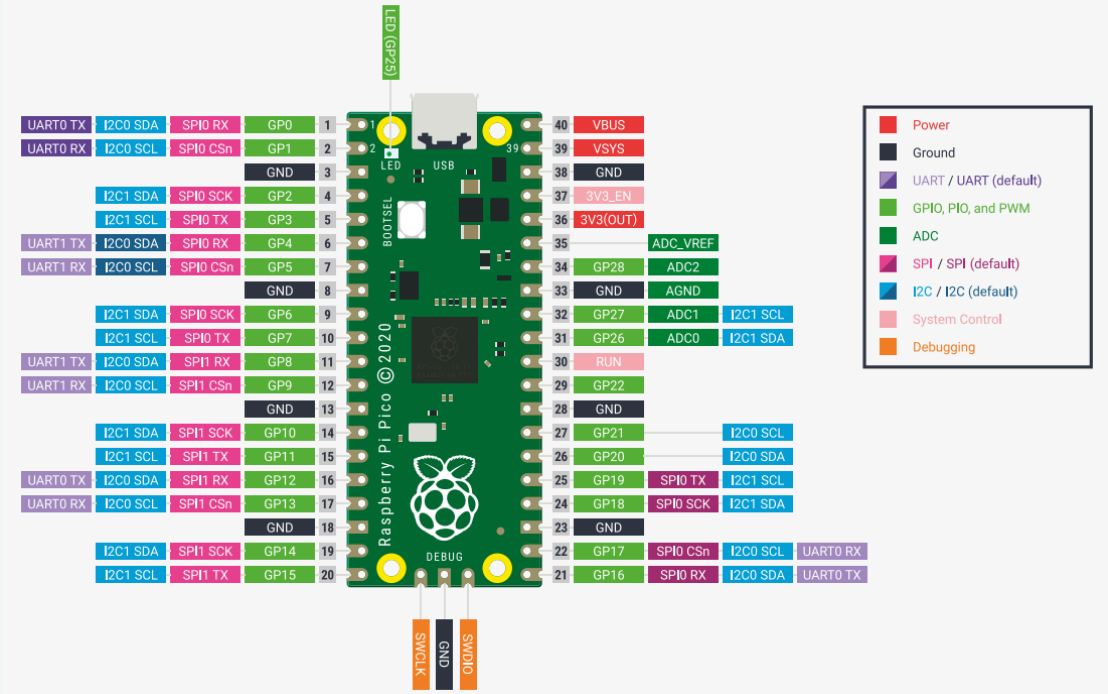








# Hardware Overview




# Applications

- **Intruder Detection**
- **Electronics learn based on Grove Starter Kit for Raspberry Pi Pico**
- **Home facilities control connect with otherwireless microcontrollers**
- **Machine Learning Application**
- **IoT Application**

# Resource Links

- https://www.seeedstudio.com/Raspberry-Pi-Pico-H-p-5936.html

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