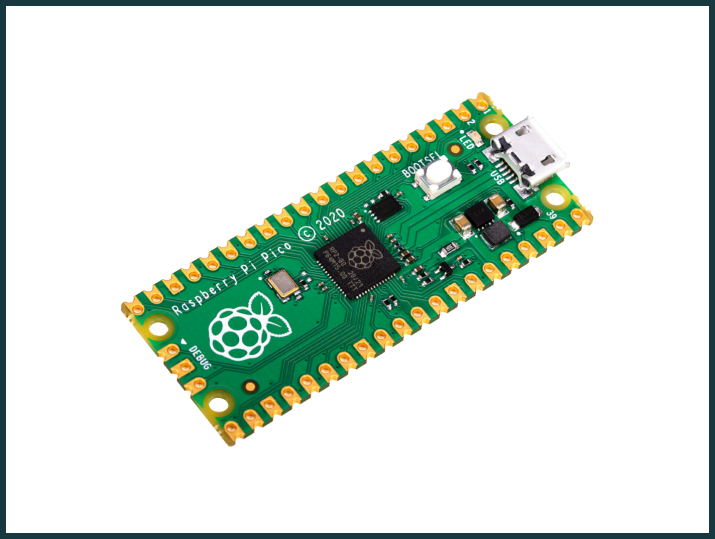
seeed studio

INDUSTRIAL PRODUCT DATASHEET

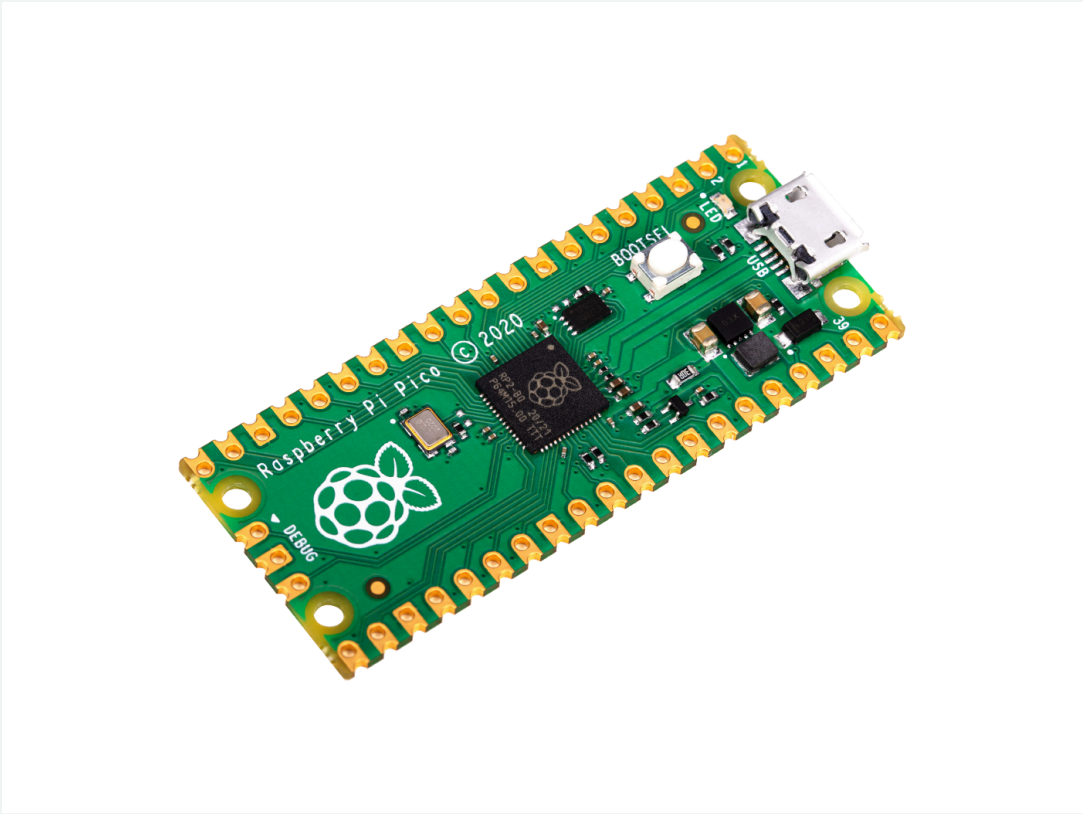
Raspberry Pi Pico - Raspberry Pi RP2040 chip, beginner-friendly microcontroller, small & flexible design, low power consumption

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
102110537	2026-11-11 08:35:08	$4.00(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.

Key Features

01 **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

02 **Easy Development**

Drag & drop programming over a USB through MicroPython & Arduino

03 **Design for Beginners/Children**

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

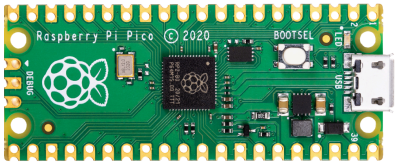
04 **Suitable for Embedded AI**

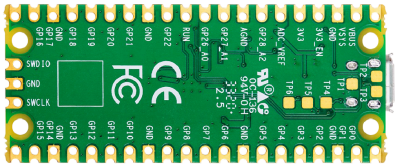
Great Embedded Machine Learning platform by two cores of RP2040 chip and plenty of on-chip RAM, while also supporting TensorFlow Lite

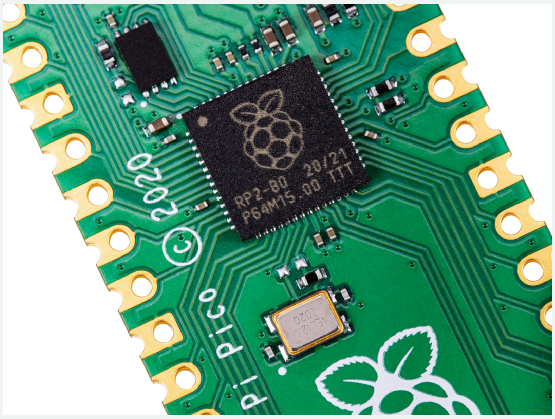
05 **Grove Starter Kit for Raspberry Pi Pico**

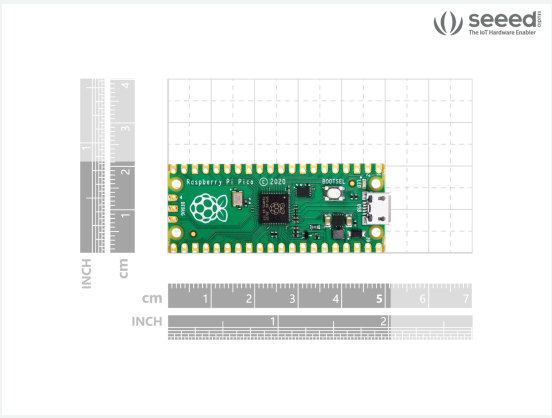
The Grove Starter Kit for Raspberry Pi Pico offers a variety of components and MicroPython courses to help you easily get started.

Product Gallery

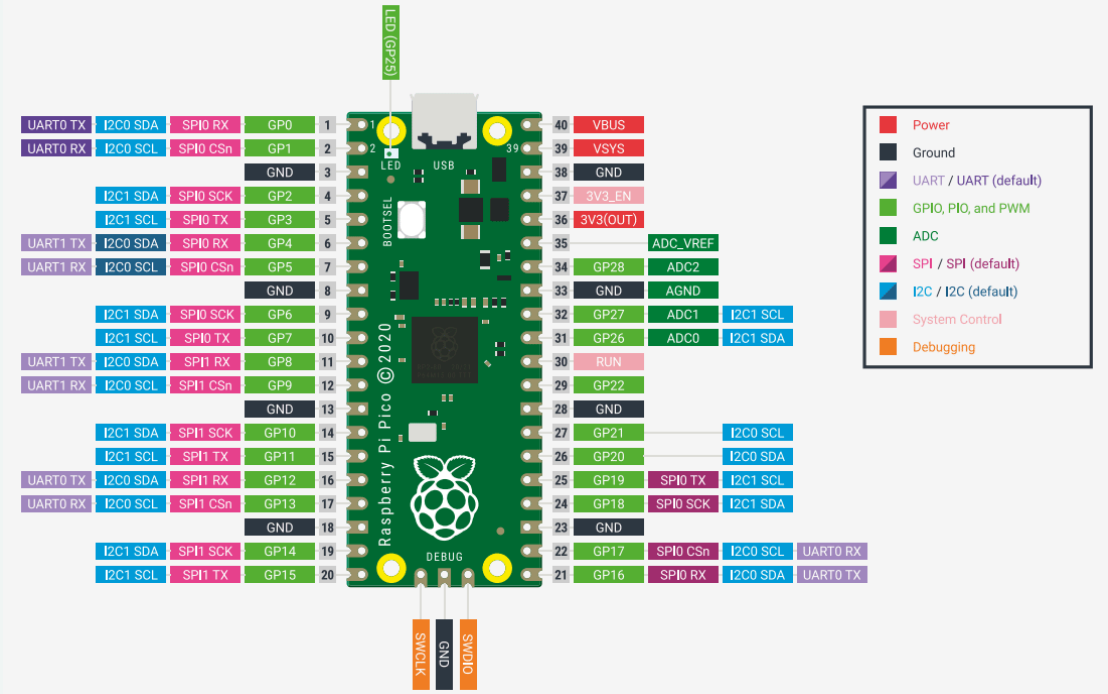








Hardware Overview



Applications

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

Resource Links

- https://www.seeedstudio.com/Raspberry-Pi-Pico-p-4832.html
- Raspberry Pi Pico Datasheet
- RP2040 Datasheet
- Hardware design with RP2040
- Getting started with Raspberry Pi Pico
- Pico C/C++ SDK
- Pico Python SDK

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