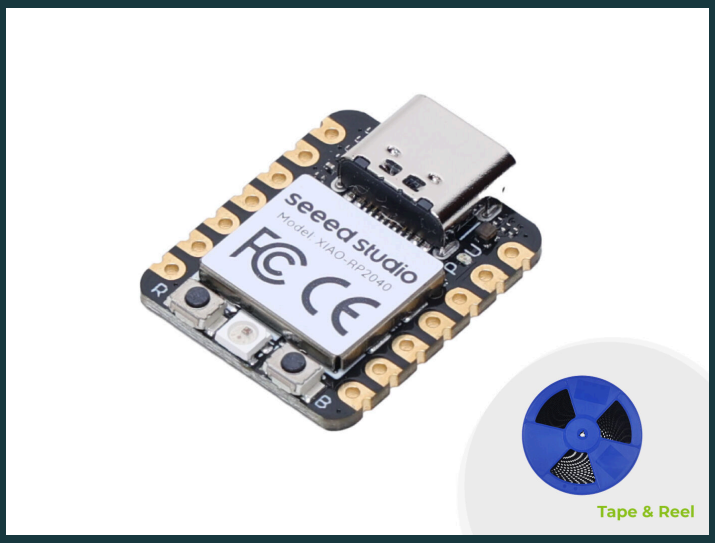
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Seeed Studio XIAO RP2040(Tape & Reel)

This is the Tape & Reel version of Seeed Studio XIAO RP2040, a compact and Arduino-compatible development board based on Raspberry Pi's RP2040 chip.

SKU	UPDATED	PRICE
100045204	2026-11-11 09:20:20	$3.49(Excl. VAT)



Overview



This is the Tape & Reel version of Seeed Studio XIAO RP2040, a compact and Arduino-compatible development board based on Raspberry Pi's RP2040 chip. This packaging format is designed for automated SMT assembly and high-volume production. As the smallest Raspberry Pi Pico board, it features a thumb-sized and surface-mount design. Thanks to its compatibility with multiple programming languages (C, Python, Go, Rust) and a wide range of available libraries, it remains a cost-effective and user-friendly microcontroller for learning coding, building electronics projects, and integrating into mass-produced IoT devices.

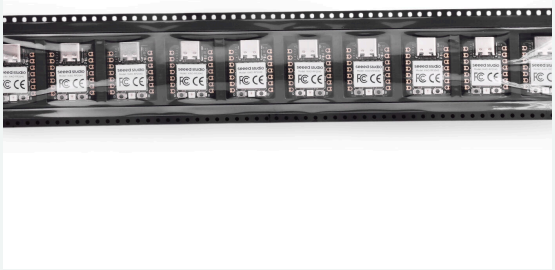
Key Features

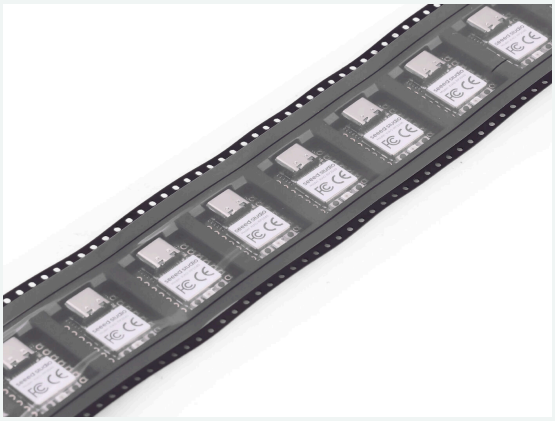
01 **Perfect Toolset for Learning Coding and Electronics**

02 **Classic Form Factor and Extensive Seeed Studio XIAO Ecosystem**

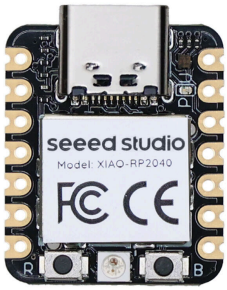
03 **Production-Ready Design with FREE PCBA Support**

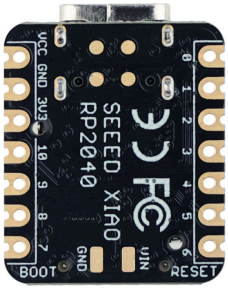
Product Gallery

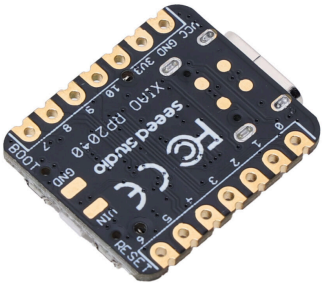


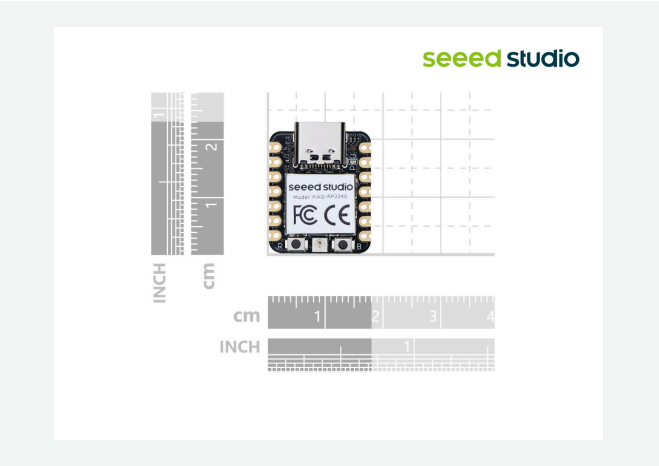




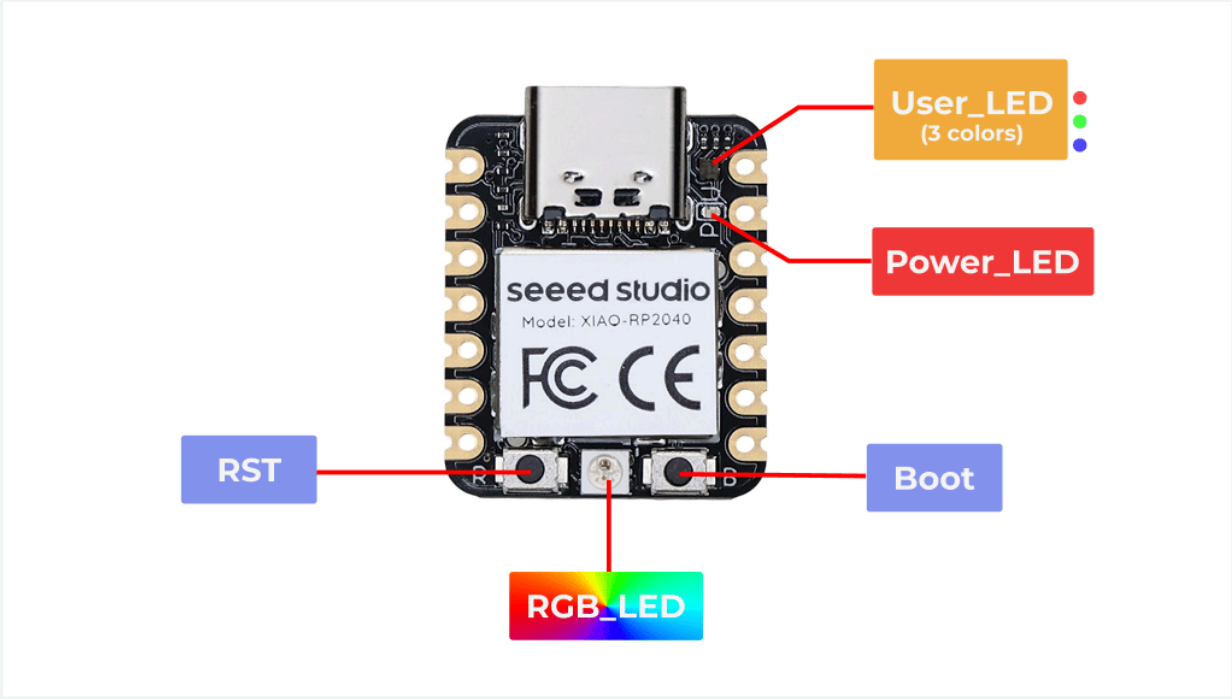


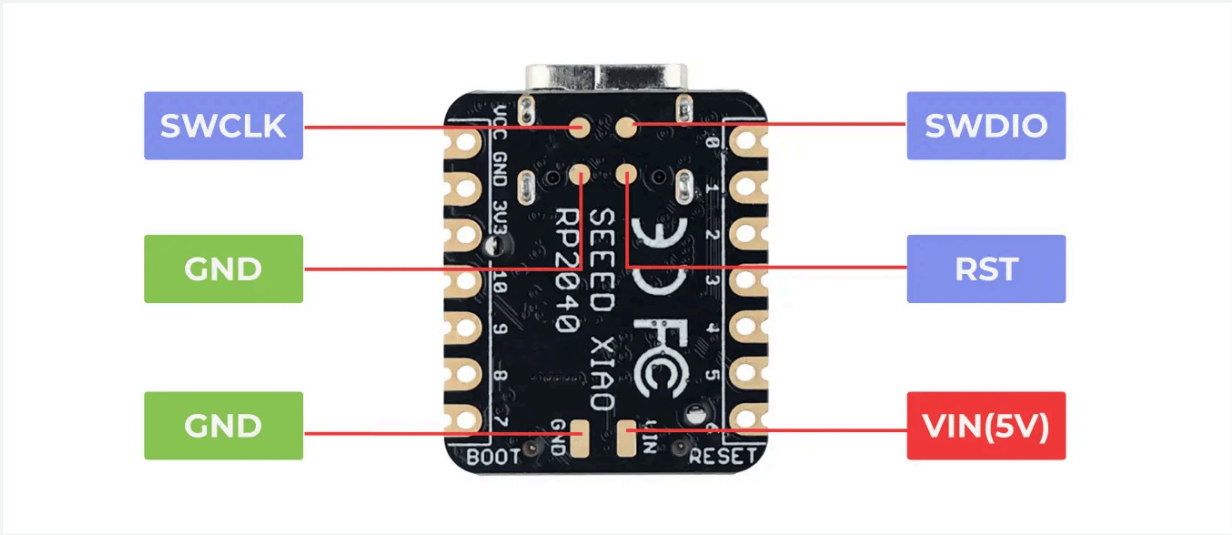


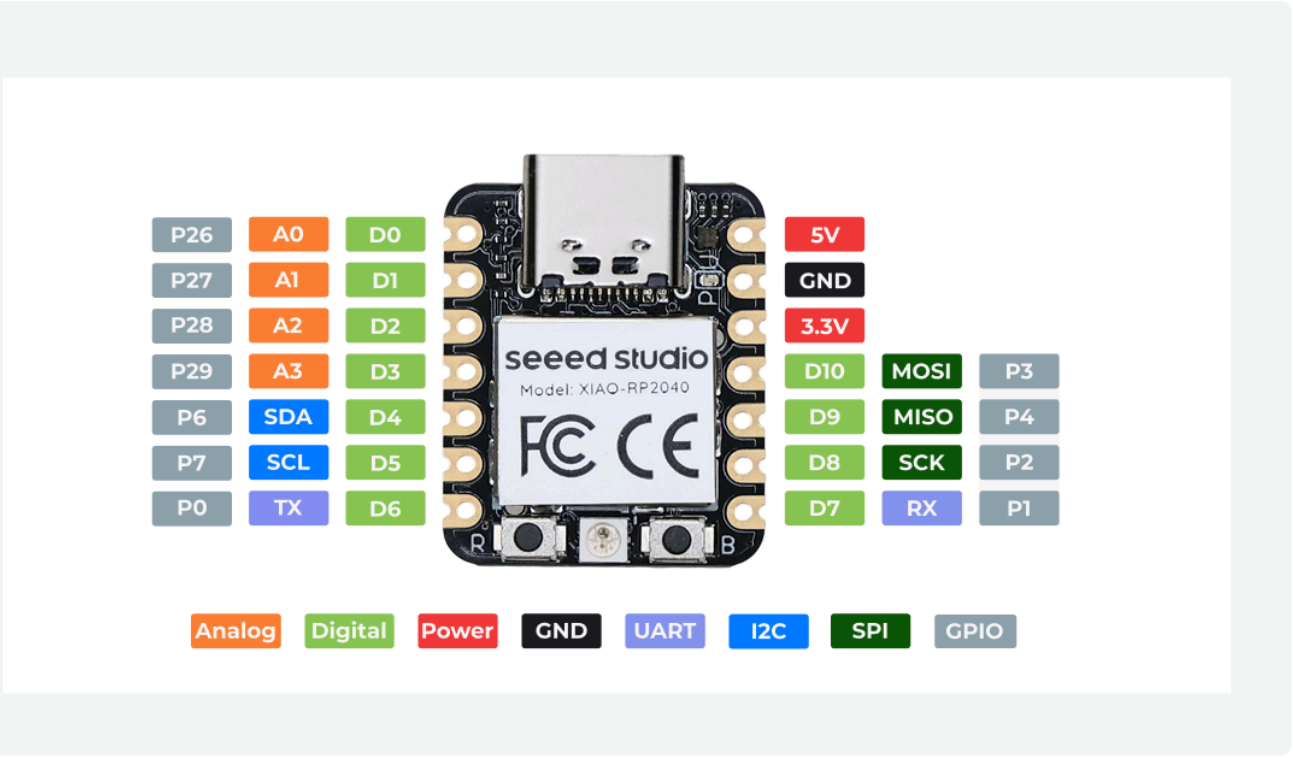



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Hardware Overview







Applications

- Learning & Education - Arduino, MicroPython, CircuitPython, TinyGo, Rust, embedded systems basics
- USB HID Devices - Custom keyboards, stream decks, arcade controllers, MIDI interfaces
- Wearable Projects - Smart accessories, LED clothing, wrist devices, sensor wearables
- IoT & Sensors - Environmental monitoring, smart home panels, weather stations, MQTT
- Display Projects - LED matrices, POV displays, rotating LED spheres
- Development - Rapid prototyping, hardware testing, PCB validation
- Robotics - Basic motor control, sensor integration, automation
- Audio/Video - Sound processing, media controls, visualizations

Resource Links

- https://www.seeedstudio.com/Seeed-Studio-XIAO-RP2040-Tape-Reel-p-6563.html
- 3D Printing "Case" Studies
- Wiki-XIAO RP2040 Resources
- Seeed Studio XIAO Use Case

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