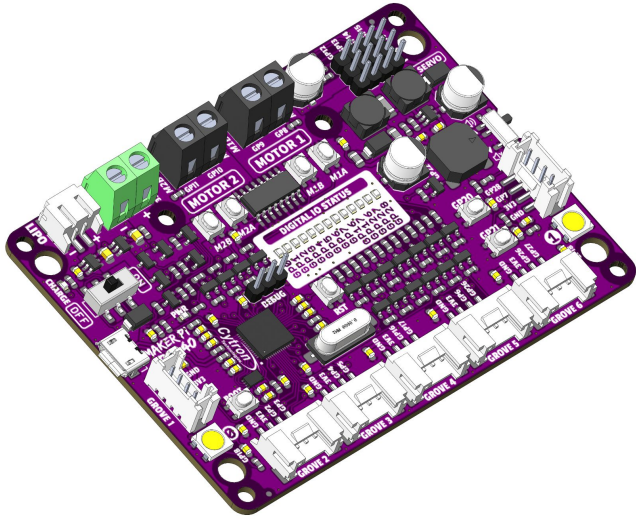
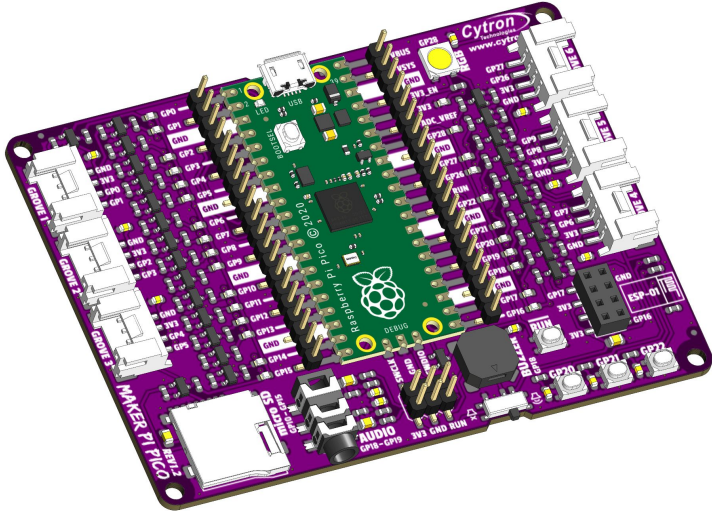


Features / Specifications	MAKER PI RP2040	MAKER PI PICO
		
Main Application	Robotics	Learning & Prototyping
Microcontroller	Raspberry Pi RP2040, dual-core Cortex M0+ at up to 133MHz clock, 264 KByte SRAM	Raspberry Pi RP2040, dual-core Cortex M0+ at up to 133MHz clock, 264 KByte SRAM
Flash Size	2MByte Q-SPI flash	2MByte Q-SPI flash
Pre-loaded Programming Language	CircuitPython (Board: Maker Pi RP2040)	CircuitPython (Board: Raspberry Pi Pico)
USB Interface	USB 1.1 Device and Host	USB 1.1 Device and Host
Power Input	1. 5V via USB Micro B 2. 3.7V via Li-Po/Li-Ion battery port 3. 3.6V - 6V via VIN terminal With automatic power input selection	1. 5V via USB Micro B, 2. 1.8V - 5.5V via VSYS pin
Power Switch	Yes	No
Reset Button	Yes	Yes
Push Button	3x programmable push button: BOOTSEL, GP20 & GP21	4x programmable push button: BOOTSEL, GP20, GP21 & GP22
Piezo Buzzer	Yes, with mute switch at GP22	Yes, with mute switch at GP18
Programmable LED	13x Blue LED: GP0 - GP7, GP16 - GP17 & GP26 - GP28	26x Blue LED: GP0 - GP22, GP26 - GP28
RGB LED (Neopixel)	Two, connected to GP18	One, connected to GP28
DC Motor Terminal (motor driver)	Dual-channel H-bridge, controls up to 2x brushed DC motor or 1x stepper motor M1A: GP8 M1B: GP9 M2A: GP10 M2B: GP11	No
Servo Motor Port	4x Servo motor port: GP12, GP13, GP14 & GP15	No
Grove Port (3.3V) (flexible I/O options: digital, analog, I2C, SPI, UART...)	GROVE 1: GP0, GP1 GROVE 2: GP2, GP3 GROVE 3: GP4, GP5 GROVE 4: GP16, GP17 GROVE 5: GP6, GP26 GROVE 6: GP26, GP27 GROVE 7: GP7, GP27	GROVE 1: GP0, GP1 GROVE 2: GP2, GP3 GROVE 3: GP4, GP5 GROVE 4: GP6, GP7 GROVE 5: GP8, GP9 GROVE 6: GP26, GP27
Header Pin	No, except for servo ports	Yes, pre-soldered & breakouts all Pico's GPIO pins
Micro SD socket	No	Yes, GP10 - GP15
WIFI socket	No	Yes, GP16 & GP17 for ESP-01
Audio socket	No	Yes, 3.5mm (1/8) stereo audio jack Connected to GP18 & GP19
Debug Port	Serial Wire Debug (SWD) Port	Serial Wire Debug (SWD) Port