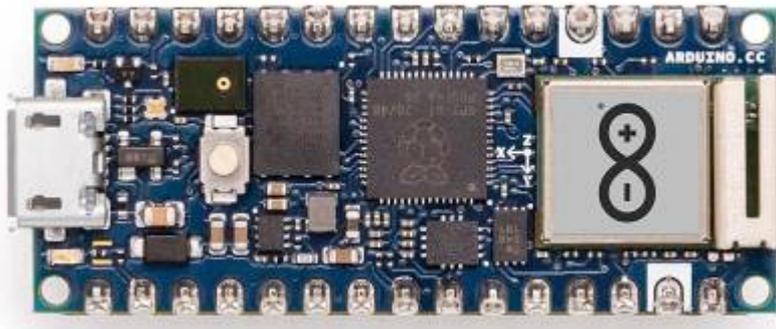
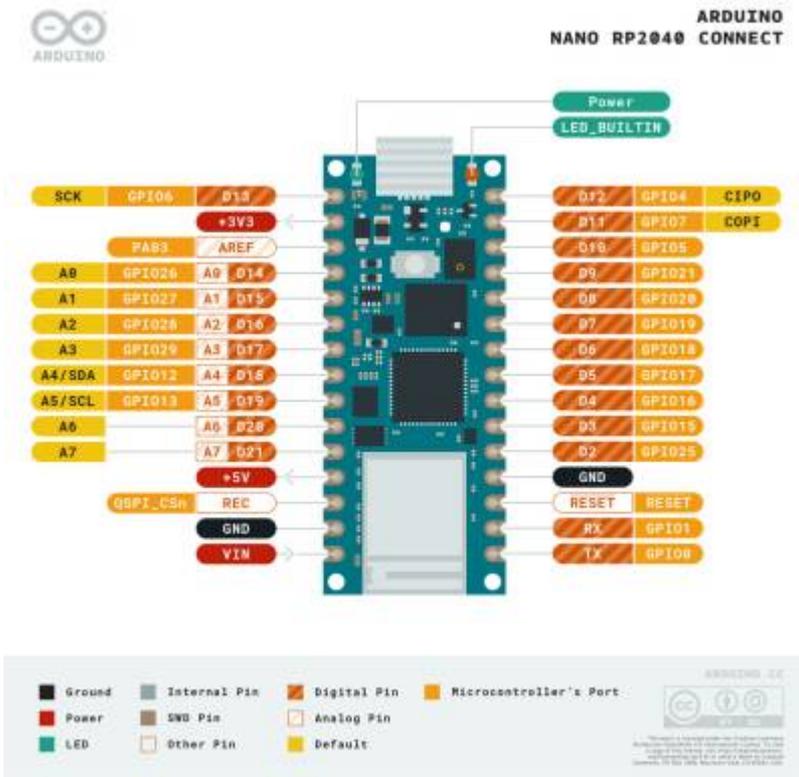


# Arduino Nano RP2040 Connect

The Nano RP2040 Connect is an Arduino Nano board with a Raspberry Pi RP2040 microcontroller that supports Bluetooth, WiFi, and machine learning. It has an onboard accelerometer, gyroscope, microphone, and temperature sensor.

Product page:	<a href="https://store.arduino.cc/products/arduino-nano-rp2040-connect-with-headers">https://store.arduino.cc/products/arduino-nano-rp2040-connect-with-headers</a>
Arduino docs:	<a href="https://docs.arduino.cc/hardware/nano-rp2040-connect/">https://docs.arduino.cc/hardware/nano-rp2040-connect/</a>
Technical reference:	<a href="https://docs.arduino.cc/tutorials/nano-rp2040-connect/rp2040-01-technical-reference/">https://docs.arduino.cc/tutorials/nano-rp2040-connect/rp2040-01-technical-reference/</a>





## Specifications

Microcontroller:	Raspberry Pi® RP2040
USB connector:	Micro USB
<b>Pins</b>	
Built-in LED pin:	13
Digital I/O Pins:	20
Analog Input Pins:	8
PWM pins:	20 (Except A6, A7)
External interrupts:	20 (Except A6, A7)
<b>Connectivity</b>	
Wi-Fi:	Nina W102 uBlox module
Bluetooth:	Nina W102 uBlox module
Secure element:	ATECC608A-MAHDA-T Crypto IC
<b>Sensors</b>	
IMU:	LSM6DSOXTR (6-axis)
Microphone:	MP3DT06JTR
<b>Communication</b>	
UART:	Yes
I2C:	Yes
SPI:	Yes
<b>Power</b>	
Circuit operating voltage:	3.3V
Input Voltage (VIN):	5-21V
DC Current per I/O pin:	4 mA

<b>Clock speed</b>	
Processor:	133 MHz
<b>Memory</b>	
AT25SF128A-MHB-T:	16MB Flash IC
Nina W102 uBlox module:	448 KB ROM, 520KB SRAM, 16MB Flash
<b>Dimensions</b>	
Weight:	6 g
Width:	18 mm
Length:	45 mm

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