

DESCRIBE

ProMicro NF52840 is a ProMicro alternative development board, compatible with Nice! Nano, which has the same pin as the ProMicro, means it can be used with almost any ProMicro keyboard. The NRF52840 development board has a 3.7V lithium battery.

The pool interface, and a software switch, can cut off the power of the LED, and in the case of off, standby can reach 1mA power consumption.

The NRF52840 is a high-performance, low-power wireless Soc chip developed by Nordic Semiconductor of Norway. It supports several wireless protocols, including Bluetooth 5, Thread, Zigbee, ANT, and 2.4GHz. The NRF52840 chip uses an ARM Cortex-M4F processor with a 64MHz CPU, 1MB of flash memory and 256KB of RAM. It also features a variety of peripherals, including ADC, PWM, SPI, I2C, UART, TWT, USB, and GPIO. In addition, the NRF52840 supports a variety of security features such as AES encryption, SHA-256 hashing, and True Random Number Generator (TRNG).

PRODUCT PARAMETER

Powerful wireless features: Bluetooth 5.0, onboard antenna

Powerful CPU: The nRF52840 chip uses an ARM Cortex-M4F processor with a 64MHz CPU, built-in 1MB of flash memory and 256KB of RAM

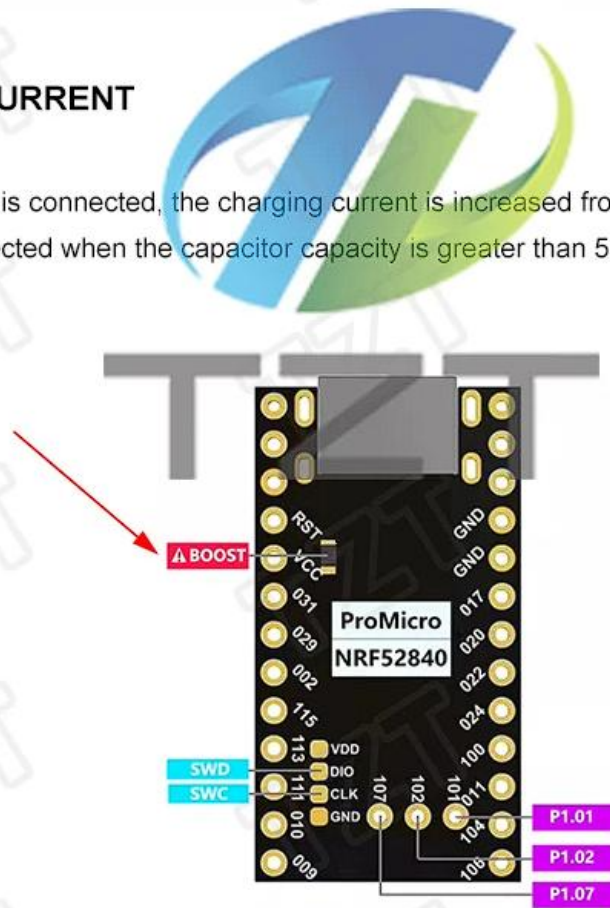
Battery charging chip: Support lithium battery charging and discharging

POWER

The ProMicro NRF52840 supports 3.7V lithium battery charging and discharging, and the charge rate is 100mA when charging, TZT, so the 2000mAh battery takes 20 hours to be fully charged.

CHARGING CURRENT WARN

When the B0oST is connected, the charging current is increased from 100ma to 300ma, and can only be connected when the capacitor capacity is greater than 500mAh (to avoid explosion).



EXTERNAL VCC CONTROL

When P0.13 is set to low, the power to the 3.3V, vCC pins will be turned off. This is very useful for components that use less power when idle (e.g. RGB, LED)

BOOTLOADER TENS ROT

If you want to enter Bootloader, short circuit RST to GND twice within 0.5S. Enter Bootloader, connect computer via USB, this time will display a name called Nice! Nano storage device. At this point you can drag in the .uf2 file to burn the program.

TZT

Weight : 4.90g

