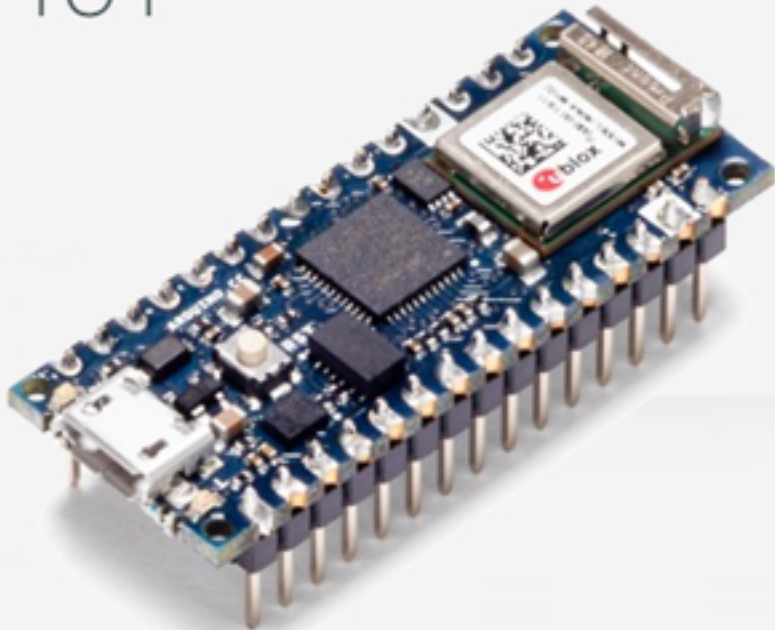


ARDUINO NANO 33 IOT WITH HEADERS

Code: ABX00032

Barcode: 7630049201545



OVERVIEW

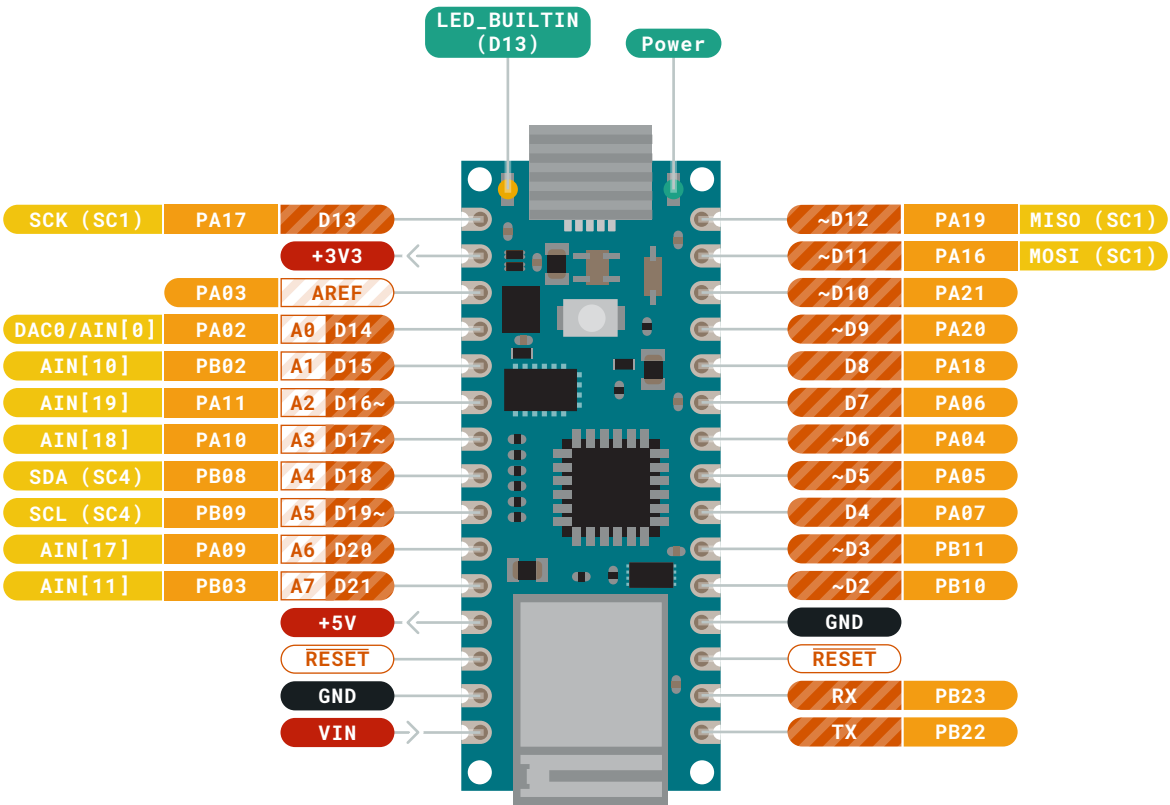
TECH SPECS

DOCUMENTATION

FAQ

The Arduino Nano 33 IoT is based on the SAMD21 microcontroller.

Microcontroller	SAMD21 Cortex®-M0+ 32bit low power ARM MCU (datasheet)
Radio module	u-blox NINA-W102 (datasheet)
Secure Element	ATECC608A (datasheet)
Operating Voltage	3.3V
Input Voltage (limit)	21V
DC Current per I/O Pin	7 mA
Clock Speed	48MHz
CPU Flash Memory	256KB
SRAM	32KB
EEPROM	none
Digital Input / Output Pins	14
PWM Pins	11 (2, 3, 5, 6, 9, 10, 11, 12, 16 / A2, 17 / A3, 19 / A5)
UART	1
SPI	1
I2C	1
Analog Input Pins	8 (ADC 8/10/12 bit)
Analog Output Pins	1 (DAC 10 bit)
External Interrupts	All digital pins (all analog pins can also be used as interrput pins, but will have duplicated interrupt numbers)
LED_BUILTIN	13
USB	Native in the SAMD21 Processor
IMU	LSM6DS3 (datasheet)
Length	45 mm
Width	18 mm
Weight	5 gr (with headers)

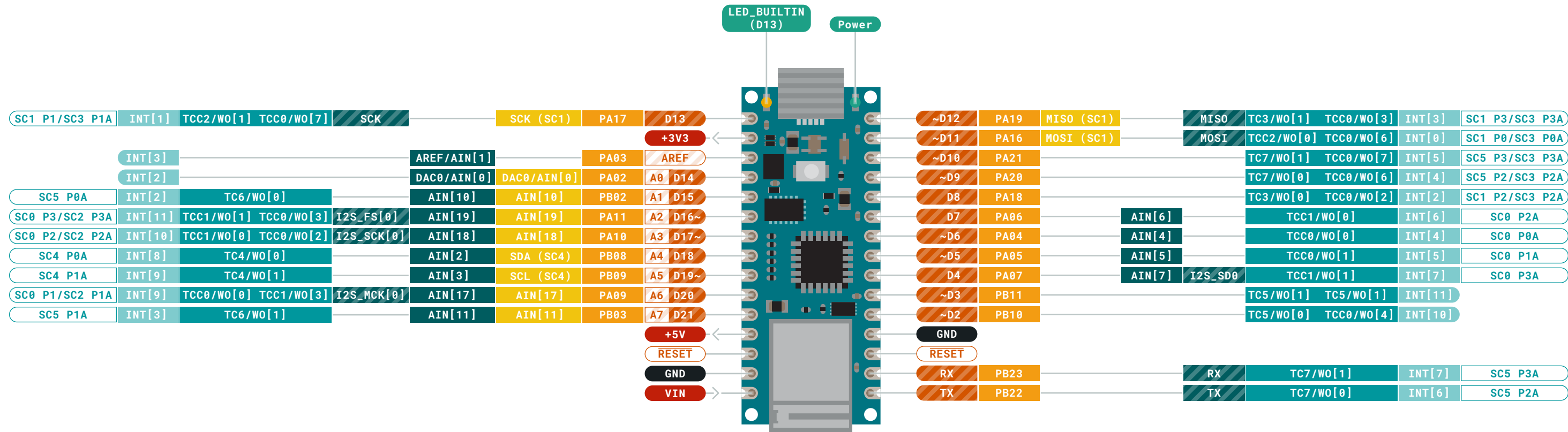


- | | |
|---|--|
|  Ground |  Digital Pin |
|  Power |  Analog Pin |
|  LED |  Other Pin |
|  Internal Pin |  Microcontroller's Port |
|  SWD Pin |  Default |

-  **MAXIMUM** current per pin is 7mA
-  **MAXIMUM** source current is 46mA
-  **MAXIMUM** sink current is 65mA per pin group

VIN 5-21 V input to the board.





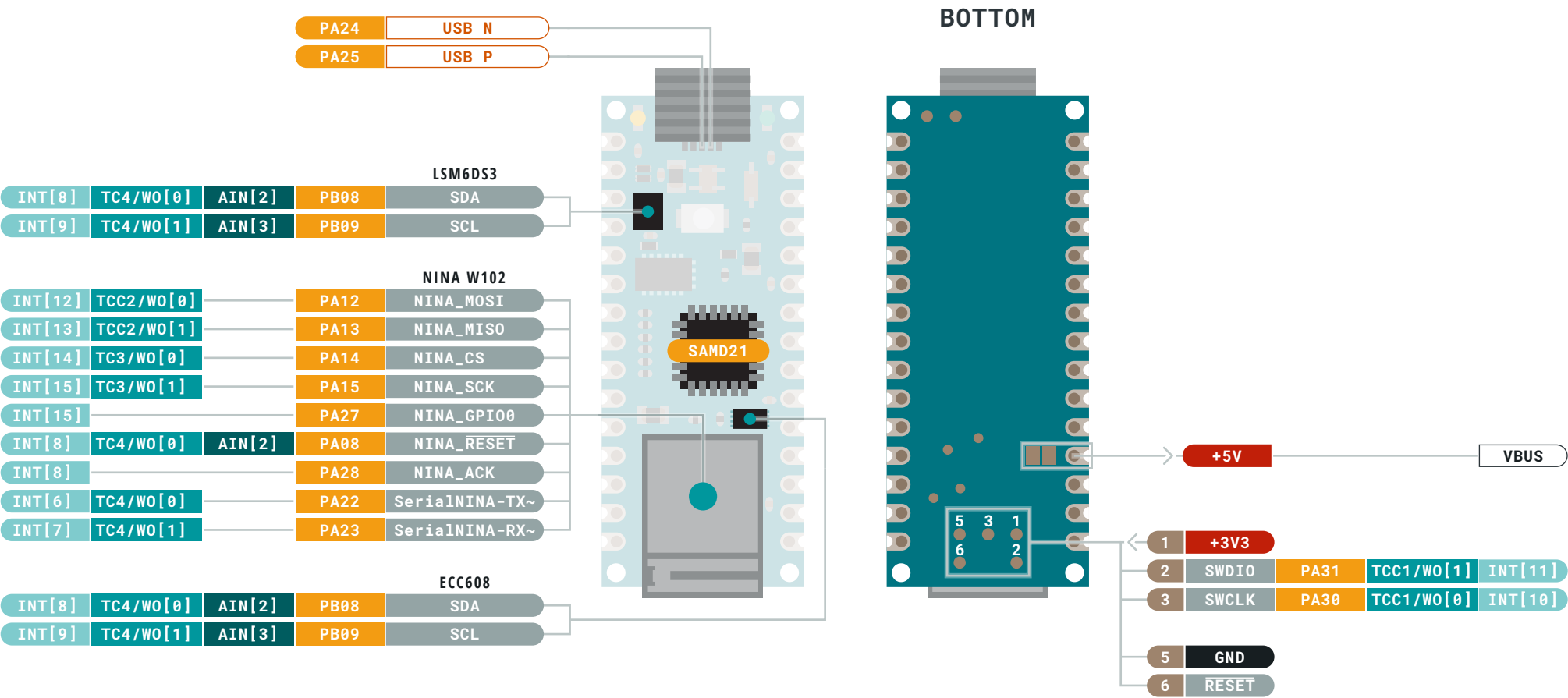
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- Interrupt
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VIN 5-21 V input to the board.



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