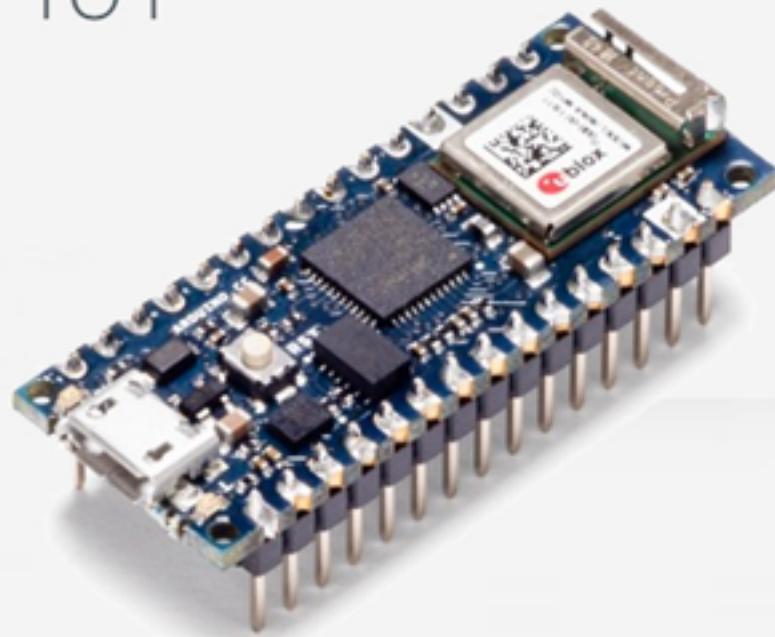


ARDUINO NANO 33 IOT WITH HEADERS

Code: ABX00032

Barcode: 7630049201545



OVERVIEW

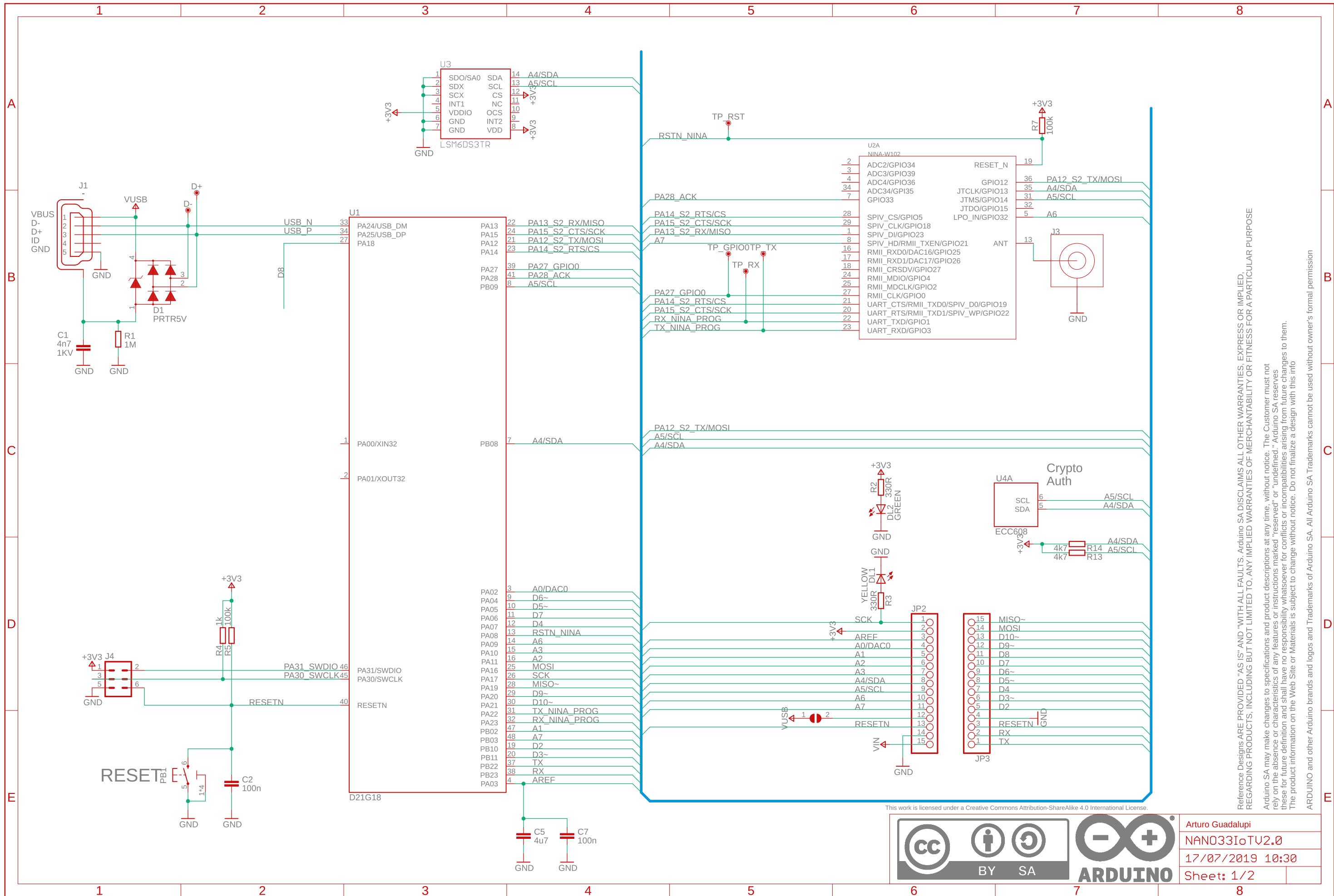
TECH SPECS

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 interrupt 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)



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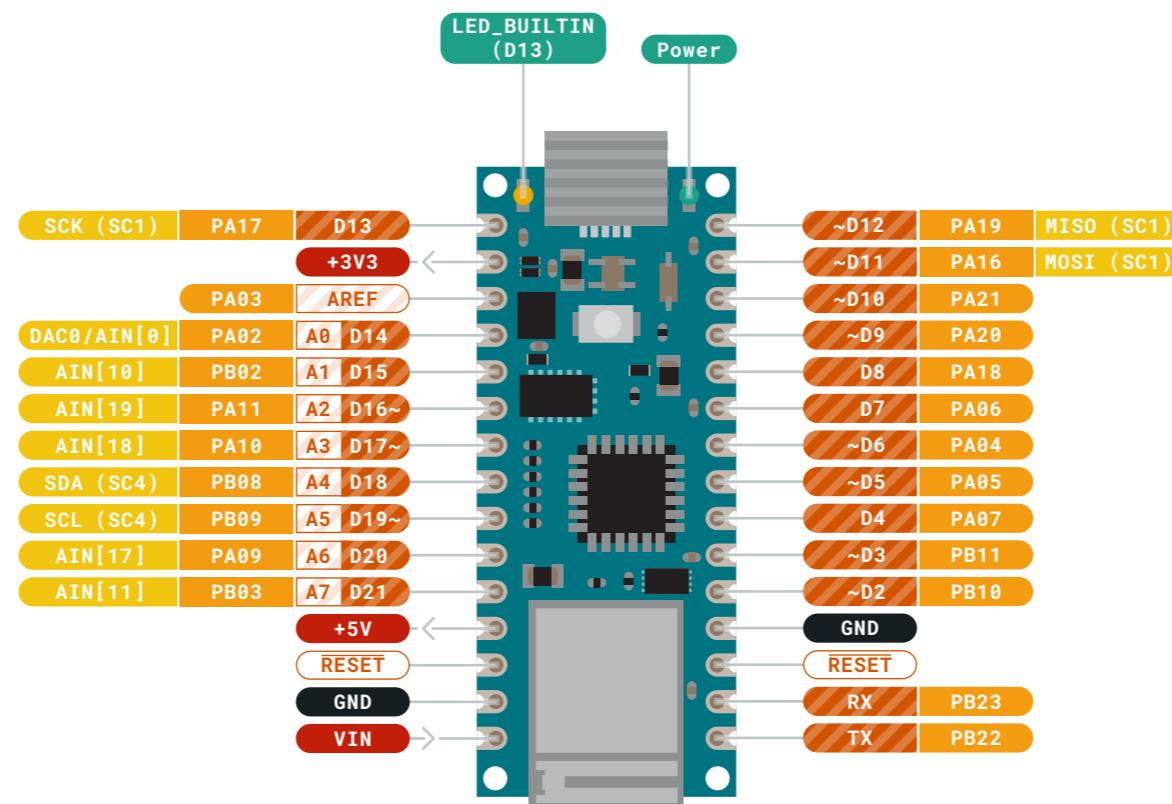
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Arturo Guadalupe
NANO33IoTV2.0
17/07/2019 10:30
Sheet: 1/2



- Ground
- Power
- LED
- Internal Pin
- SWD Pin

- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default

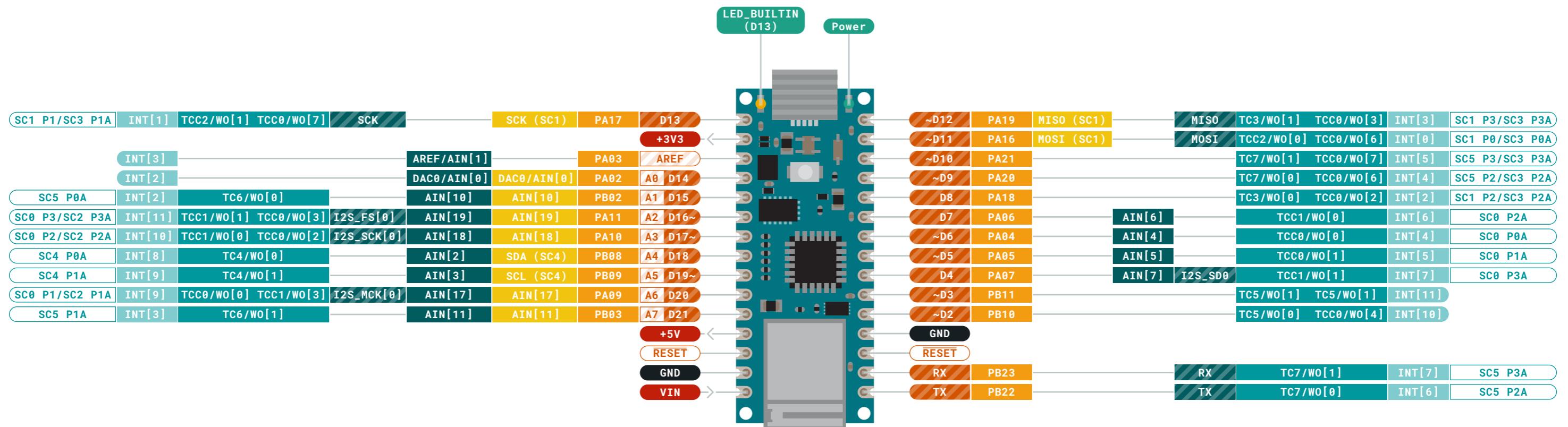
- ! **MAXIMUM** current per pin is 7mA
- ! **MAXIMUM** source current is 46mA
- ! **MAXIMUM** sink current is 65mA per pin group

VIN 5-21 V input to the board.

Last update: 31/08/2020



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Ground

Digital Pin

Power

Analog Pin

LED

Other Pin

Internal Pin

Microcontroller's Port

SWD Pin

Default

Analog

 Communication

Time

Interrupt

Sercom

MAXIMUM current per pin is 7mA

MAXIMUM source current is 46mA

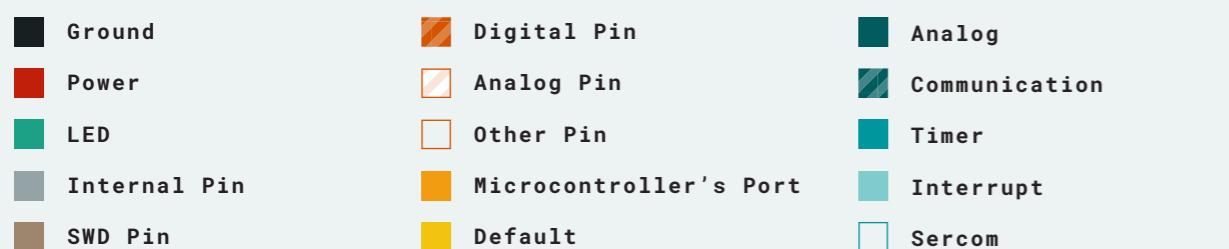
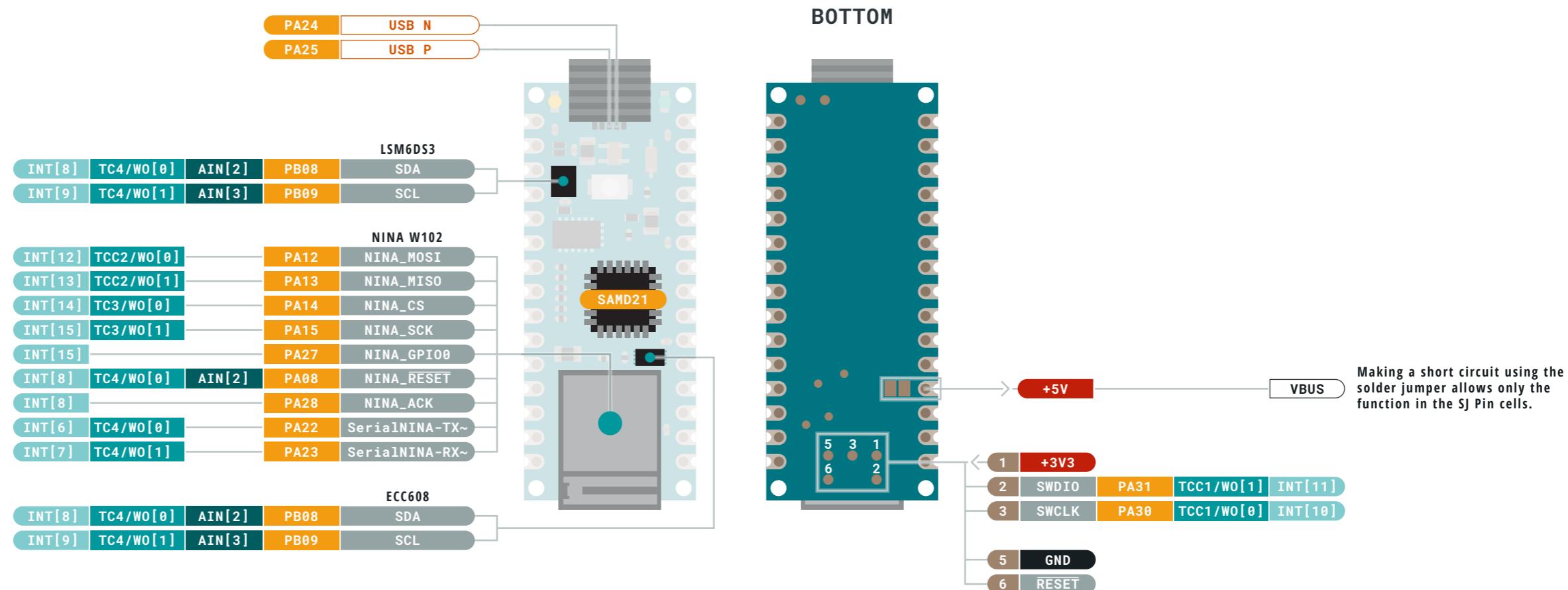
MAXIMUM sink current
is 65mA per pin group

VIN 5-21 V input to the board.

Last update: 31/08/2020



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VIN 5-21 V input to the board.

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