Reset Button
RESET

RGB LED
LEDR
LEDG
LEDB

USB-C®

POWER LED

DAC   SPI0
SCK D   ~D13
         +3V3 OUT
         AREF
DAC0   A0 ~14
DAC2   A1 ~15
       A2 ~16
       A3 ~17
I2C0
SDA D   A4 ~18
SCL D   A5 ~19
DAC1   A6 ~20
DAC3   A7 ~21
       +5V
       NC
       GND
+21V max (i) VIN IN

SPI0
~D12   D MISO
~D11   D MOSI
~D10   D SS
~D9
~D8
~D7
~D6   SPI1   I2C1
~D5   SCL1
~D4   SDA1
~D3   SS1
~D2   SCK1
GND
RST
                 UART / USART
~D1   MISO1   D PIN_SERIAL_RX1
~D0   MOSI1   D PIN_SERIAL_TX1

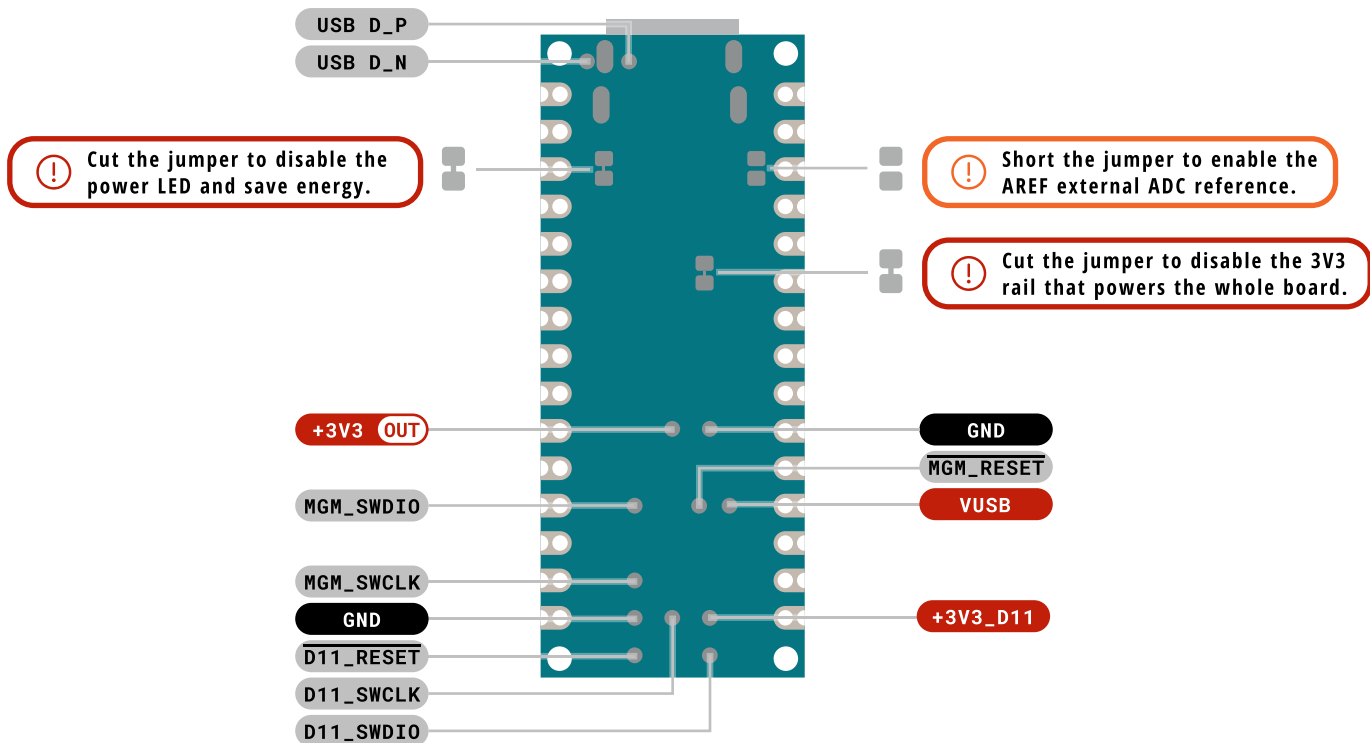(!) Outputs +5V when the board is USB powered.

User Button
BTN_BUILTIN

Legend:
Digital
SPI
D Default
Power
Analog
UART/USART
Ground
I2C
Not Connected

ARDUINO

Nano Matter
SKU code: ABX00112
Full Pinout
Last update: 14 Nov, 2024

USB D_P

USB D_N

⚠ Cut the jumper to disable the power LED and save energy.

⚠ Short the jumper to enable the AREF external ADC reference.

⚠ Cut the jumper to disable the 3V3 rail that powers the whole board.

+3V3 OUT

GND

MGM_RESET

MGM_SWDIO

VUSB

MGM_SWCLK

GND

+3V3_D11

D11_RESET

D11_SWCLK

D11_SWDIO

Legend:

🟧 Digital	🟦 SPI	D Default
▭ Analog	🟪 UART/USART	
⬛ Ground	🟦 I2C	▭ Not Connected
🟥 Power		

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