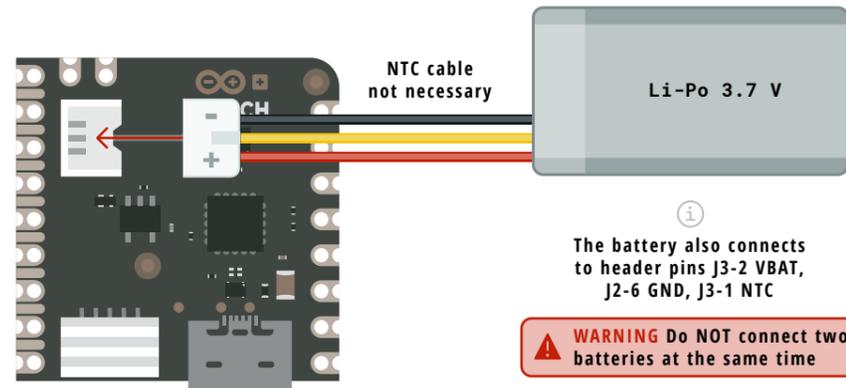
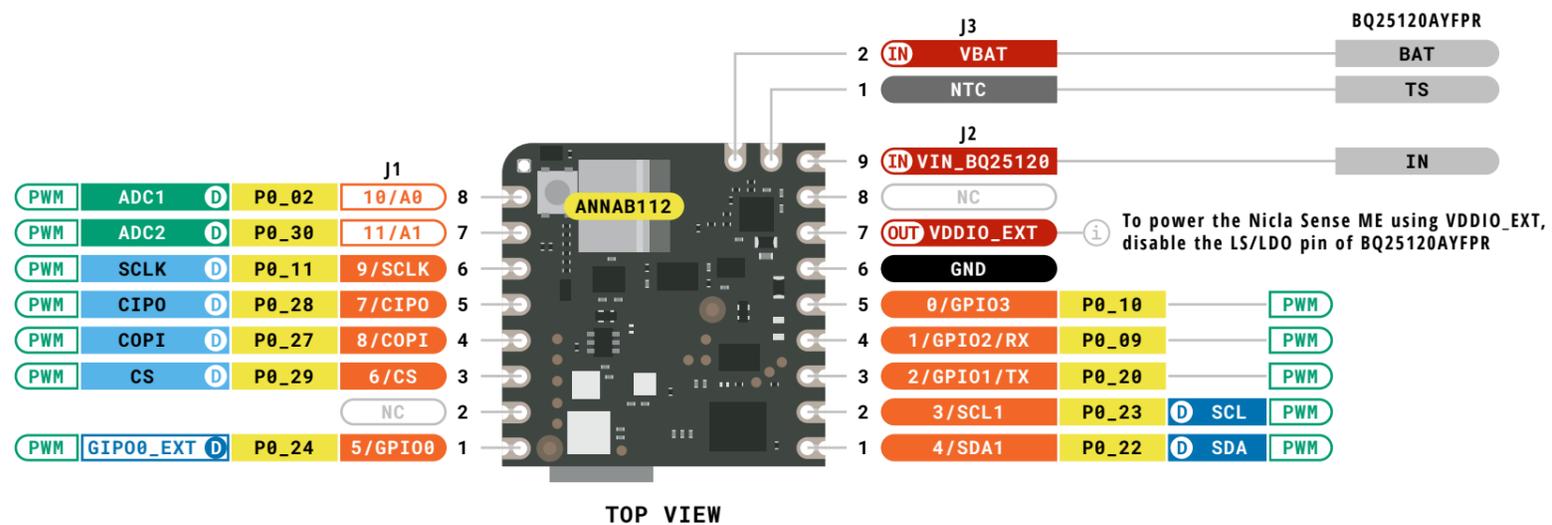


TOP VIEW



The battery also connects with the Battery Connector on the bottom of the board

WARNING Do NOT connect two batteries at the same time



BOTTOM VIEW

WARNING Do NOT connect two batteries at the same time

Legend:

- Power
- GPIO Digital External
- I2C
- LED
- IN Power Input
- Analog External
- SPI
- RGB LED
- OUT Power Output
- Main Part
- UART/USART
- Other SERIAL Communication
- Other
- Ground
- Secondary Part
- Default
- Default
- Default
- Default
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- PWM/Timer

- MAXIMUM** current per pin is 10mA
- MAXIMUM** current sunk overall is 40mA
- MAXIMUM** current sourced overall is 40mA
- CIP0/COPI have previously been referred to as MISO/MOSI

NICLA SENSE ME

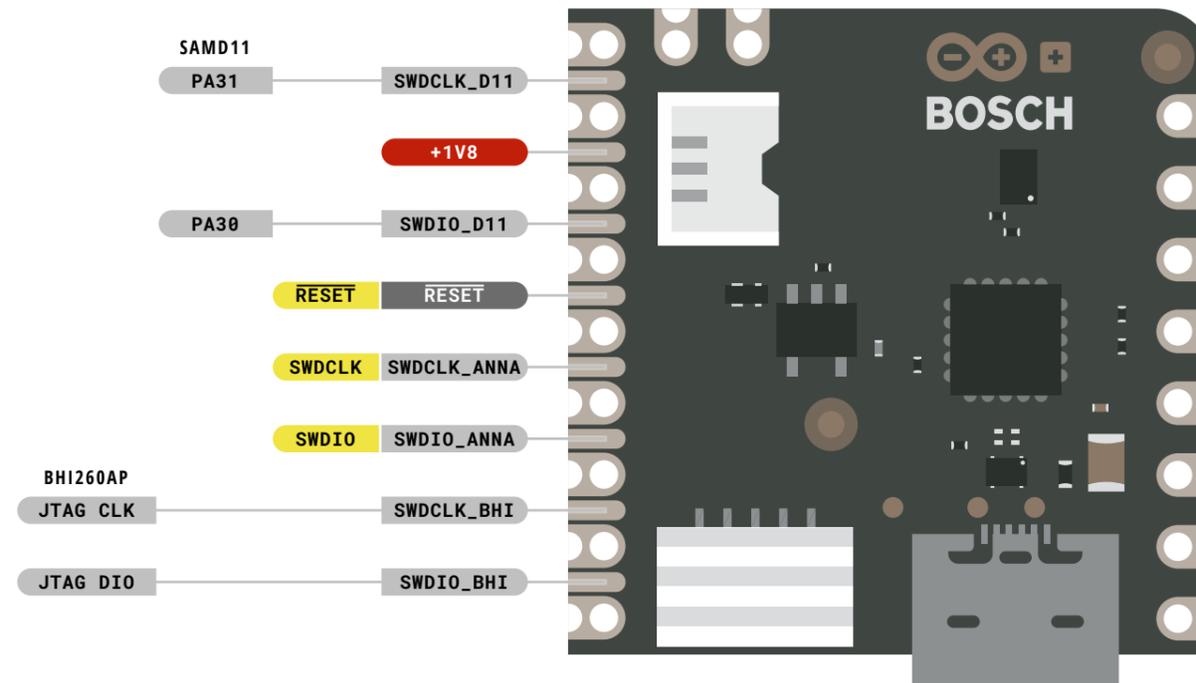
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SKU code: ABX00050
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BOTTOM VIEW



Legend:

Power	Power Input	GPIO Digital External	LED
Ground	Power Output	Analog External	RGB LED
		Main Part	Other
		Secondary Part	
		Internal Component	
		Other Pins (Reset, System Control, Debugging)	

MAXIMUM current per pin is 10mA

MAXIMUM current sunk overall is 40mA

MAXIMUM current sourced overall is 40mA

CIP0/COPI have previously been referred to as MISO/MOSI

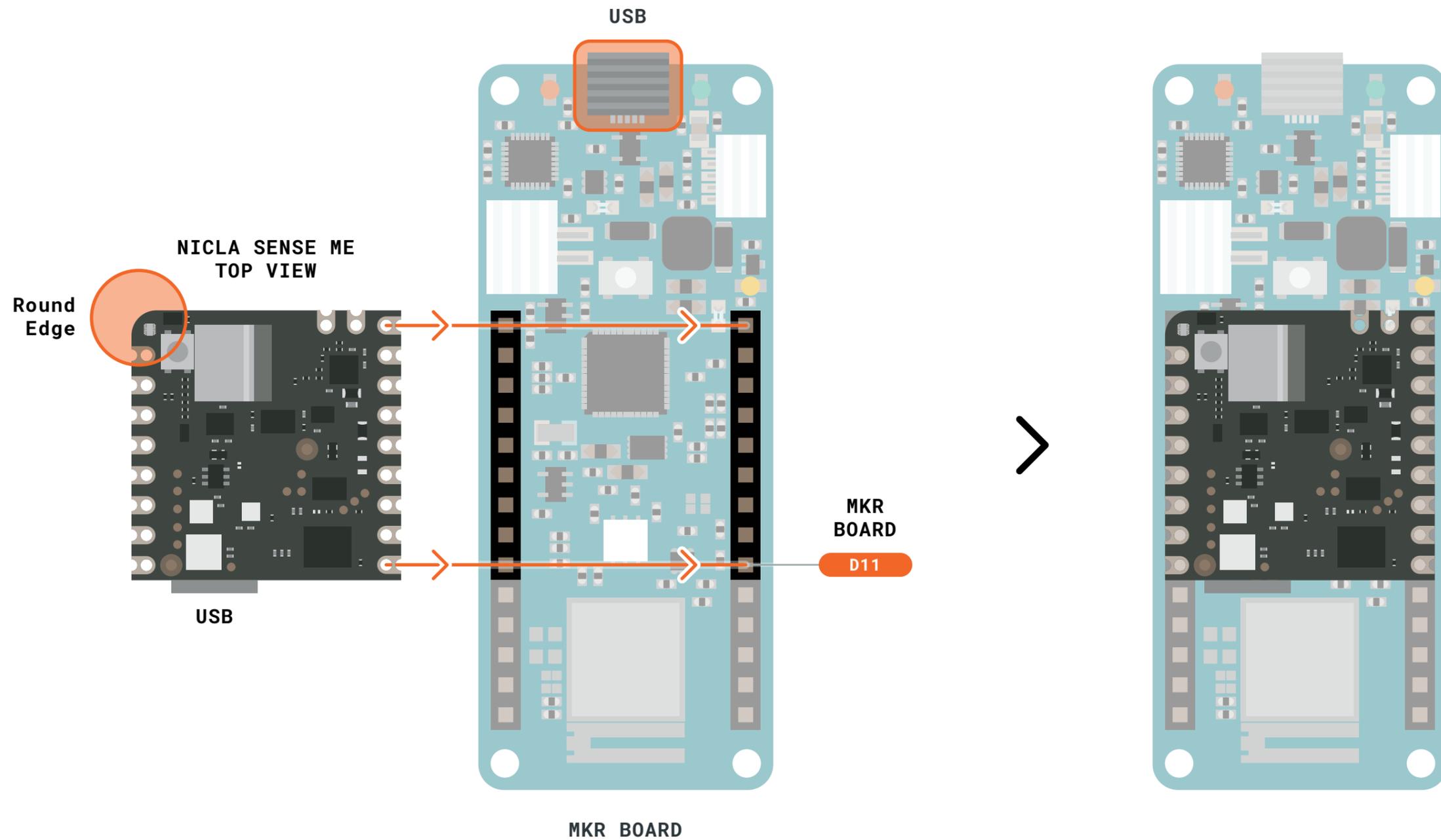


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Compatible with MKR Boards



Legend:

- Power
- **IN** Power Input
- **OUT** Power Output
- Ground
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)

- Ⓜ LED
- Ⓜ RGB LED
- Other

- ⚠ **MAXIMUM** current per pin is 10mA
- ⚠ **MAXIMUM** current sunk overall is 40mA
- ⚠ **MAXIMUM** current sourced overall is 40mA
- i CIP0/COPI have previously been referred to as MISO/MOSI



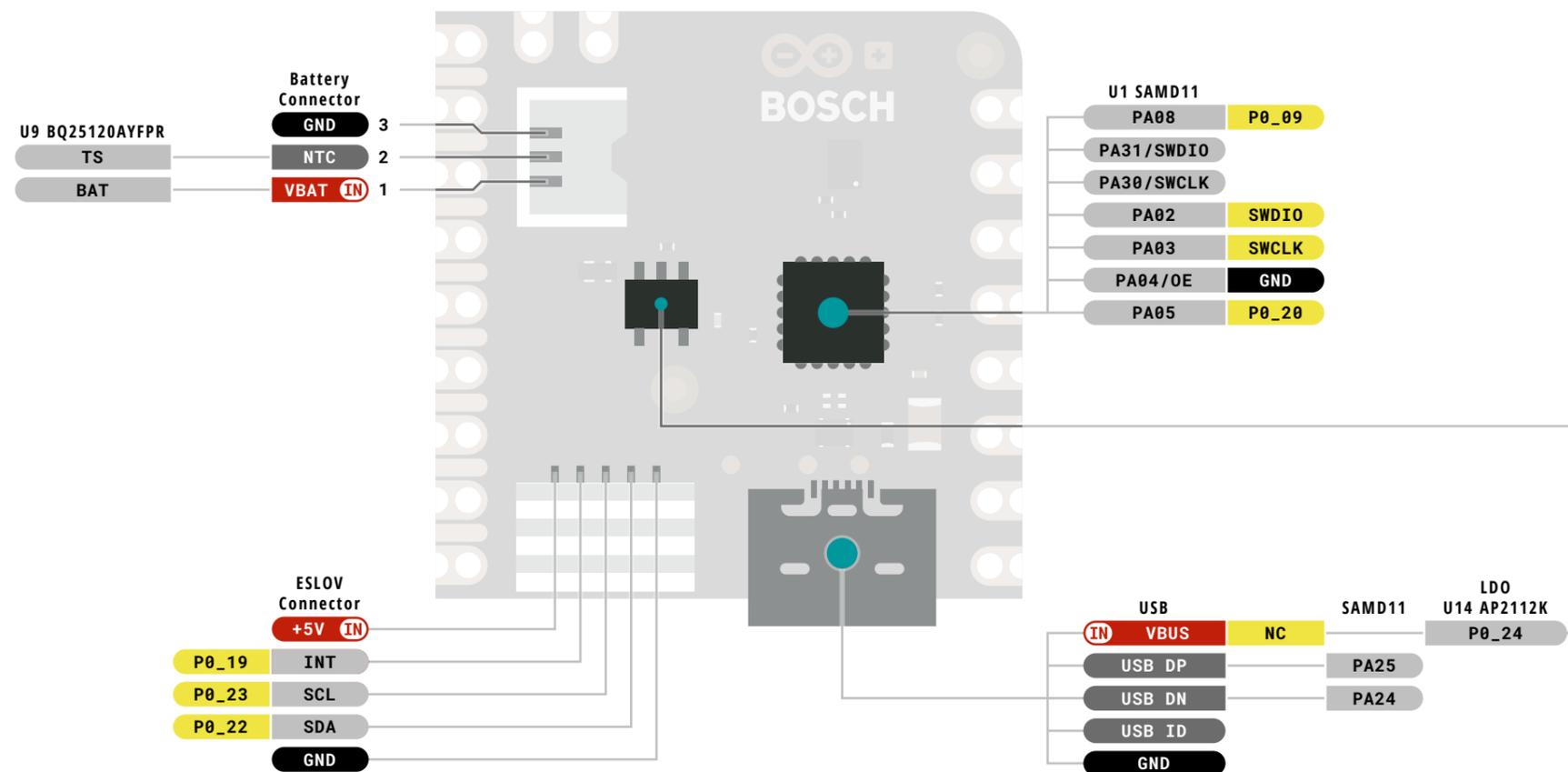
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BOTTOM VIEW



Legend:

- Power
- IN Power Input
- OUT Power Output
- Ground
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- LED LED
- RGB LED RGB LED
- Other

- ⚠ **MAXIMUM** current per pin is 10mA
- ⚠ **MAXIMUM** current sunk overall is 40mA
- ⚠ **MAXIMUM** current sourced overall is 40mA
- i CIP0/COPI have previously been referred to as MISO/MOSI



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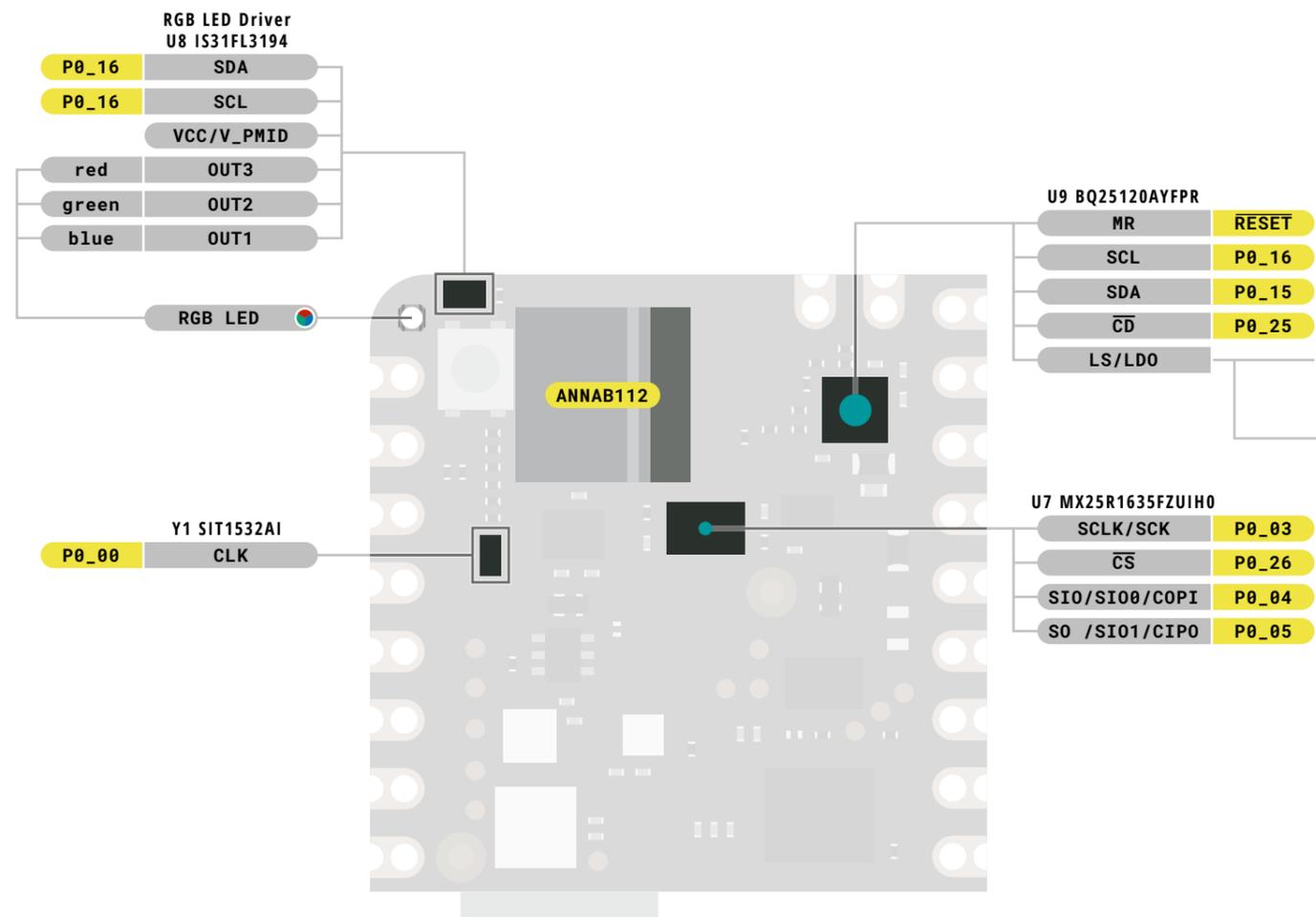
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WARNING!

Advanced Section

The following information is for advanced use only and may not be officially supported by Arduino software





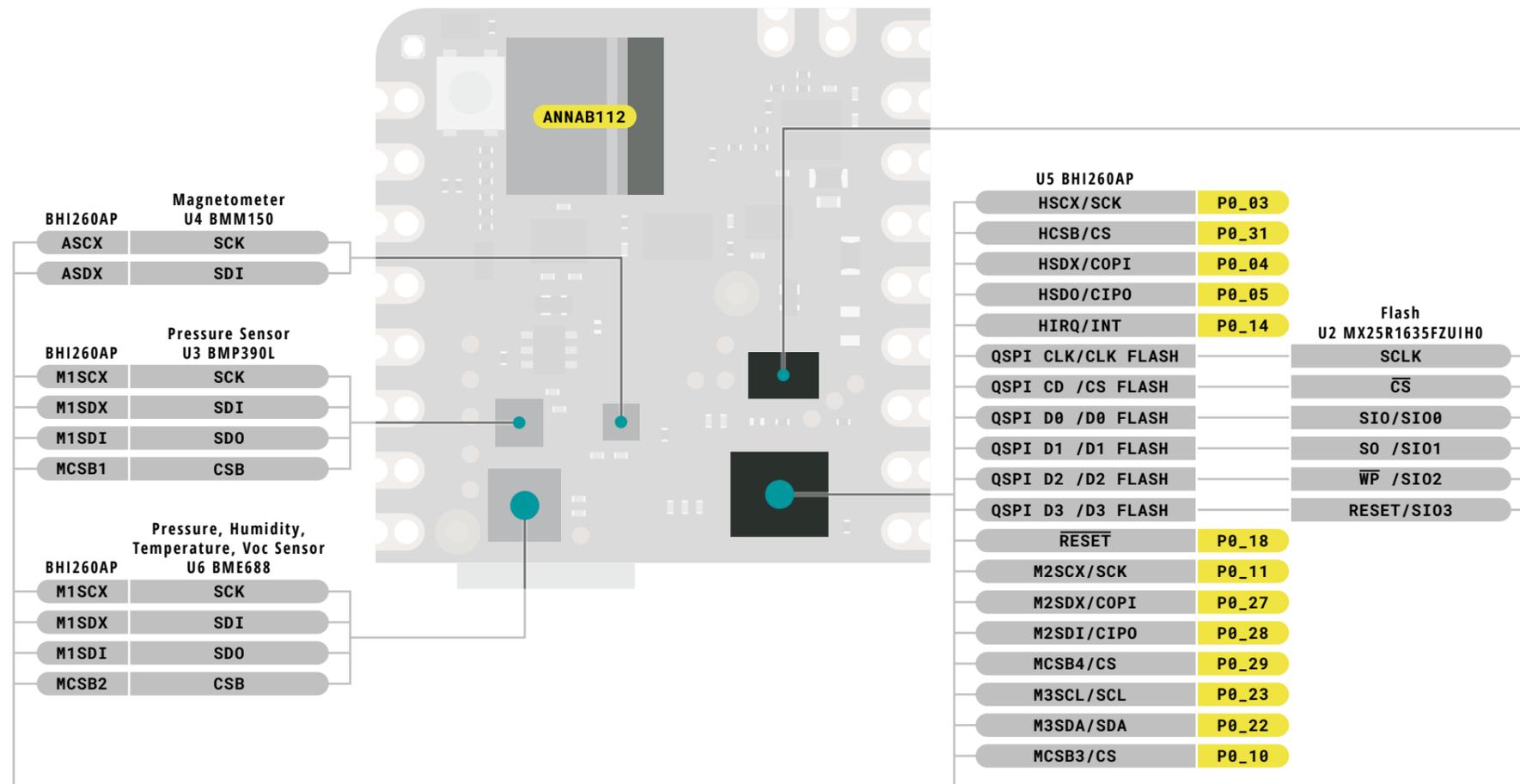
Disabling the LS/LDO pin it is possible to power the Nicla Sense ME using VDDIO_EXT pin on the header

If LS/LDO pin is enabled, it is possible to configure the Nicla Sense ME to work at +3V3 or +1V8, depending on the configuration of the maximum input voltage

TOP VIEW

Legend: Power Power Input Power Output Ground		GPIO Digital External Analog External Main Part Secondary Part Internal Component Other Pins (Reset, System Control, Debugging)		LED RGB LED Other		MAXIMUM current per pin is 10mA MAXIMUM current sunk overall is 40mA MAXIMUM current sourced overall is 40mA CIP0/COPI have previously been referred to as MISO/MOSI		NICLA SENSE ME ARDUINO SKU code: ABX00050 Full Pinout - Page 6 of 8 Last update: 3 Aug, 2022 DOCS . ARDUINO . CC This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit http://creativecommons.org/licenses/by-sa/4.0/ or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.	
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TOP VIEW



Legend:

- | | | | |
|--------|--------------|---|---------|
| Power | Power Input | GPIO Digital External | LED |
| Ground | Power Output | Analog External | RGB LED |
| | | Main Part | Other |
| | | Secondary Part | |
| | | Internal Component | |
| | | Other Pins (Reset, System Control, Debugging) | |

- MAXIMUM** current per pin is 10mA
- MAXIMUM** current sunk overall is 40mA
- MAXIMUM** current sourced overall is 40mA
- CIP0/COPI have previously been referred to as MISO/MOSI



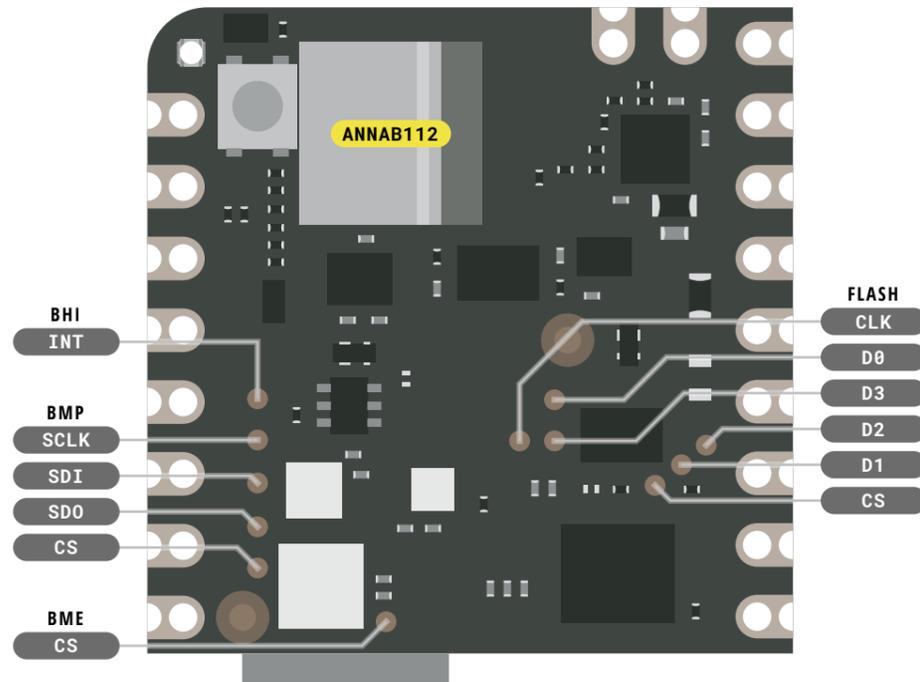
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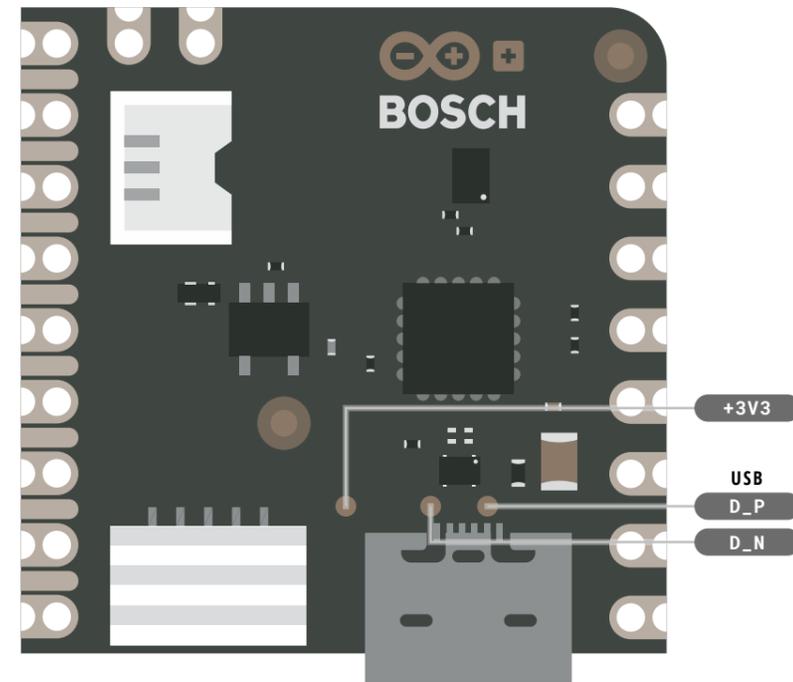
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Test Points

TOP VIEW



BOTTOM VIEW



Legend:

- Power
- **IN** Power Input
- **OUT** Power Output
- Ground
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- Ⓜ LED
- Ⓜ RGB LED
- Other

- ⚠ **MAXIMUM** current per pin is 10mA
- ⚠ **MAXIMUM** current sunk overall is 40mA
- ⚠ **MAXIMUM** current sourced overall is 40mA
- i CIP0/COPI have previously been referred to as MISO/MOSI



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