**Ground**

**Power**

**LED**

**Internal Pin**

**SWD Pin**

**Digital Pin**

**Analog Pin**

**Other Pin**

**Microcontroller’s Port**

**Default**

**Analog**

**Communication**

**Timer**

**Interrupt**

**Sercom**

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**WARNING**

Total output current sunk by sum of all I/Os and control pins is 40 mA

**WARNING**

Total output current sourced by sum of all I/Os and control pins is 40 mA

**WARNING**

Output current sunk by any I/O and control pin is 10 mA

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To power the Nicla Sense ME using VDDIO_EXT, disable the 5V/150 pin of BQ25120AYFPR.
### Pin Description

- **Ground**
- **Power**
- **LED**
- **Internal Pin**
- **SWD Pin**
- **Digital Pin**
- **Analog Pin**
- **Other Pin**
- **Microcontroller’s Port**
- **Default**

### WARNING

1. **Total output current sunk by sum of all I/Os and control pins is 40 mA**
2. **Total output current sourced by sum of all I/Os and control pins is 40 mA**
3. **Output current sunk by any I/O and control pin is 10 mA**

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**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.**
### Internal Pin

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

### Ground

- **Power**
- **LED**
- **SWD Pin**

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Compatible with MKR Boards

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"GND" pins of the ANNA B112 are not Ground pins
Test Points

**TOP**

- RHI
- INT
- BMP
- SDI
- SDO
- CS
- BME

**BOTTOM**

- USB
- D_P
- D_N

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**WARNING**

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