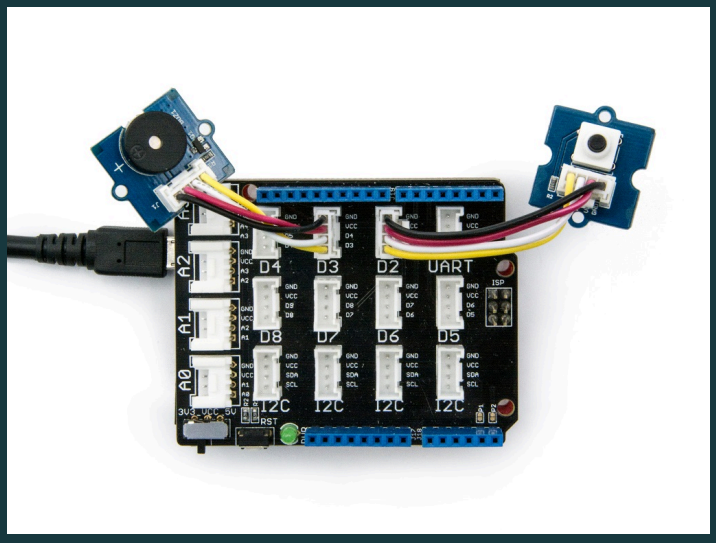
seeed studio

INDUSTRIAL PRODUCT DATASHEET

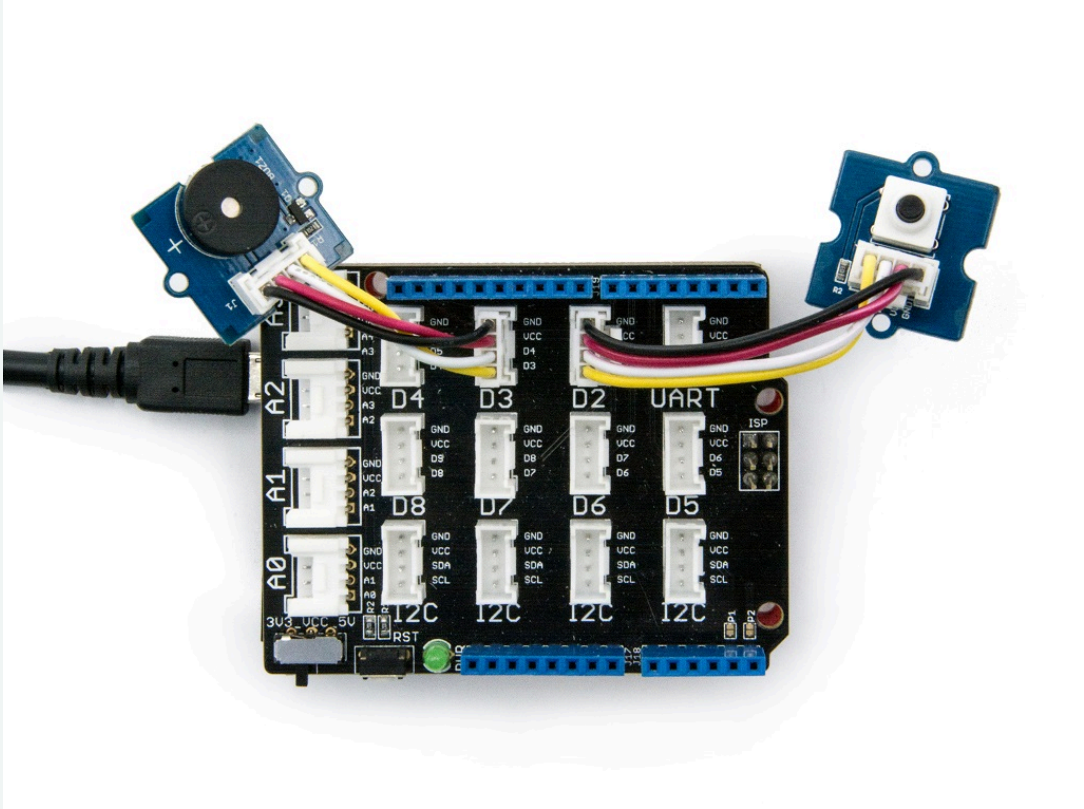
Grove Base Shield V2.0 for Arduino-The Easiest Way to Connect Grove Sensors to Arduino

Base Shield provides a simple way to connect with Arduino boards and help you get rid of breadboard and jumper wires.

SKU	UPDATED	PRICE
103030000	2026-11-11 07:49:49	$3.50(Excl. VAT)



Overview



Base Shield provides a simple way to connect with Arduino boards and help you get rid of breadboard and jumper wires. With the 16 on-board Grove Connectors, you can easily connect with over 300 Grove modules! The pinout of Base Shield V2 is the same as Arduino Uno R3.

Key Features

01 **No More Jumper Wires**

Grove's keyed connectors replace tangled breadboard wiring.

02 **Save Time on Setup**

modules plug in directly, with no wiring diagrams to follow.

03 **Learn More Easily**

a clear, physical layout makes it easier to see how a circuit is wired.

04 **Easy to Expand Your Projects**

add more Grove modules without redoing existing wiring.

05 **16 On-board Grove Connectors**

4x Analog, 7x Digital, 1x UART, and 4x I2C ports for connecting Grove modules directly, without extra wiring.

06 **GroveEcosystem Compatibility**

instantly compatible with Seeed Studio's full lineup of 300+ Grovemodules — sensors, actuators, displays, and communication modules.

07 **Switchable 5V/3.3V Power**

an onboard toggle switch matches the shield's Vcc output to 5V boards (e.g. Arduino Uno, Mega) or 3.3V boards (e.g. Arduino Due).

08 **Same Pinout as Arduino Uno R3**

compatible with Arduino Uno, Mega, Leonardo, Due, Zero, the Seeeduino family, and LinkIt ONE.

09 **Keyed Grove Connectors**

four-pin connectors are polarity-protected, preventing reverse connections.

10 **Reset Button**

resets the host Arduino board without removing the shield.

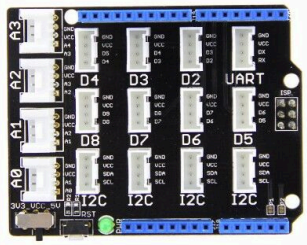
11 **ICSP Header Pass-through**

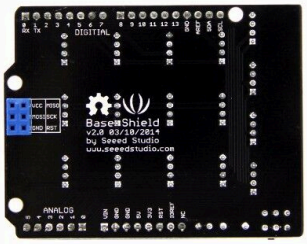
keeps the host board's ICSP pins accessible for programming.

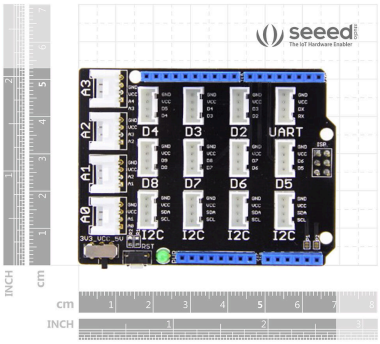
12 **Power Indicator LED**

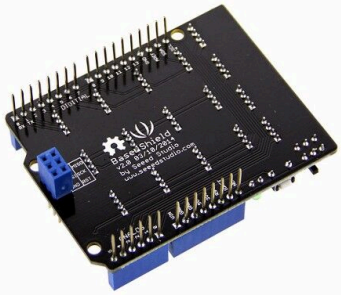
onboard green LED lights up when the shield is powered.

Product Gallery

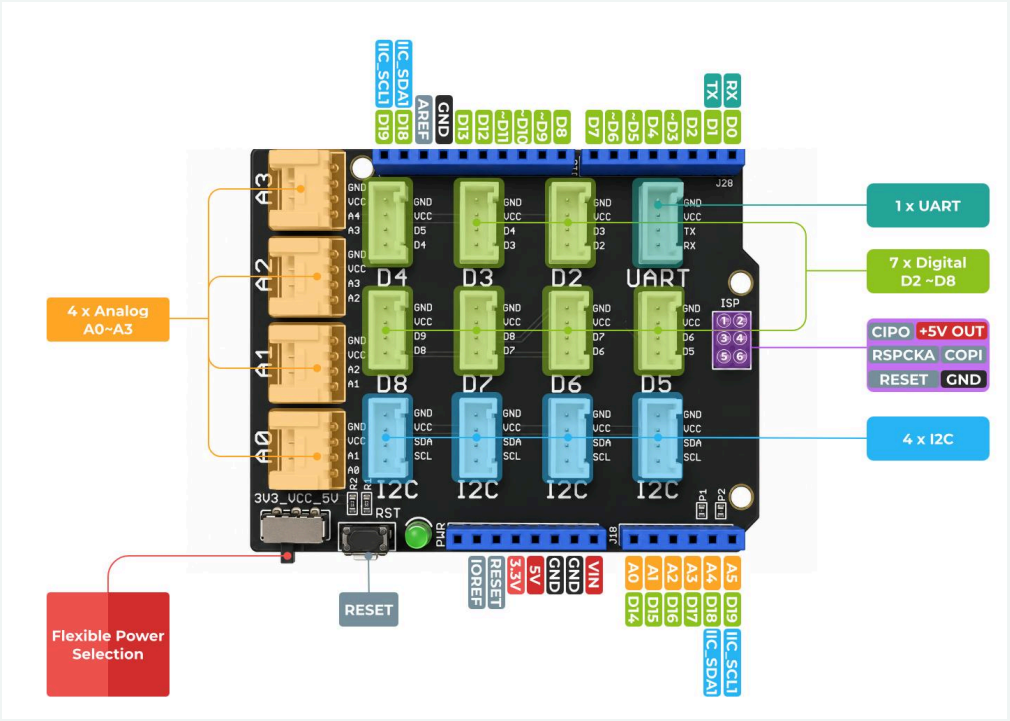








Hardware Overview



Applications

- **Board Compatible**
- **Arduino Uno (all revisions, incl. R3 / R4 Minima / R4 WiFi)**
- **Arduino Mega / Seeeduino Mega**
- **Arduino Leonardo / Seeeduino Lite**
- **Arduino 101**
- **Arduino Due**
- **Arduino Zero (M0) / Seeeduino LoRaWAN**
- **Seeeduino V4 / V4.2**
- **Seeeduino V3**
- **Intel Edison (with Arduino breakout board):** Boards not listed above may still work with extra jumper wiring or minor code changes — for help, reach out via Seeed Tech Support
- **What is Grove?:** Grove makes it easier to connect, experiment, and simplify the prototyping process. No jumper wires or soldering are required. We have developed over 300 Grove modules covering a wide range of applications to meet diverse project needs. In addition to open-source hardware, we also provide open-source software to help you get started quickly.
- **Note**

Resource Links

- https://www.seeedstudio.com/Base-Shield-V2.html
- Download Wiki.pdf
- Base Shiled V2 SCH.zip
- Base Shiled V2 PCB.zip
- Base Shiled V2 SCH.pdf
- Base Shiled V2 PCB.pdf

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