

# Base Shield V2

SKU 103030000

## Description

Arduino Uno is the most popular Arduino board so far, however it is sometimes frustrating when your project requires a lot of sensors or Leds and your jumper wires are in a mess. The purpose of creating the Grove - Base Shield is to help you getting rid of bread board and jump wires. With the rich grove connectors on the base board, you can add all the grove modules to the Arduino Uno very conveniently!

## Features

There are intotal 16 grove connectors on the Base Shield, here we use a table to show the details.

Specification	Name	Qty
Analog	A0/A1/A2/A3	4
Digital	D2/D3/D4/D5/D6/D7/D8	7
UART	UART	1
I2C	I2C	4

Apart from the rich grove connectors, on the board you can also see an RST button, a green LED to indicating power status, ICSP pin, a toggle switch and four row of pinouts. There is no need to explain the RST button and LED, but you really need to know below two features that is very important for your usage.

### 1.Power Compatible:

Every Grove connector has four wires, one of which is the VCC. However, not every micro-controller main board needs a supply voltage of 5V, some need 3.3V. That's why we add a power toggle switch to Base Shield v2 so that you can select the suitable voltage of the micro-controller main board you are using via this switch.

For example, if you are using Arduino UNO with Base Shield v2, please turn the switch to 5v position; while using Seeeduino Arch with Base Shield v2, please turn the switch to 3.3v.

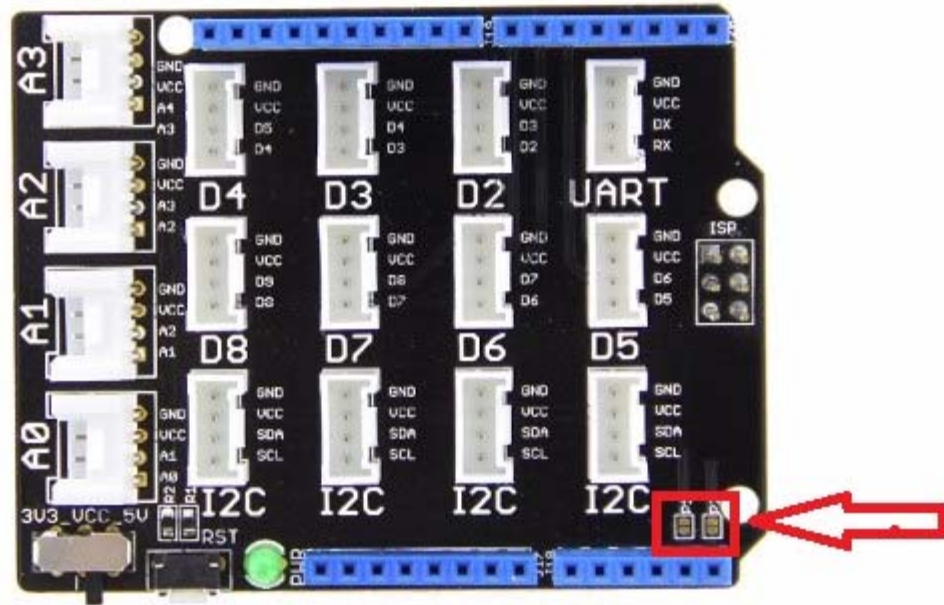
### 2.Board Compatible:

The pinout of Base Shield V2 is the same as Arduino Uno R3, however Arduino Uno is not the board one that the Base Shield V2 is compatible with, here we listed the boards that we have confirmed that can be used with Base Shield V2.

- Arduino Uno
- Seeeduino V4.2
- Arduino Mega / Seeeduino Mega
- Seeeduino LoraWan
- Arduino Leonardo / Seeeduino Lite
- Arduino 101
- Arduino Due
- Intel Edison
- Linkit One

### Note

- If using Base Shield v2 with Seeeduino V3, please solder the pads, P1 and P2.



- For all Grove users (especially beginners), we provide you guidance PDF documents. Please download and read through Preface - Getting Started and Introduction to Grove before your using of the product.

