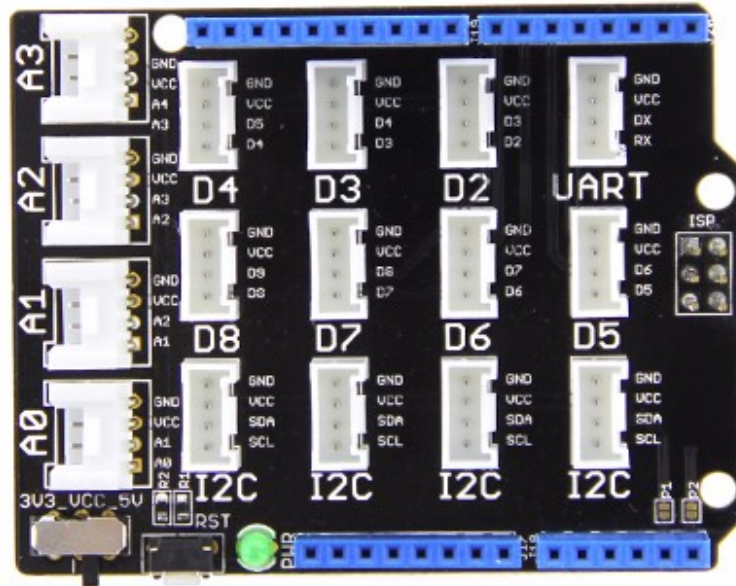


Base Shield V2 SKU: 103030000



作为扩展板，Base Shield v2有许多Grove连接接口，方便您将多个Grove产品一起使用。它与一系列Arduino产品兼容。

!!!Note - 点击获取更多信息 [Grove System](#).

产品特性

- 电源兼容：每个Grove连接器都有四根电线，其中一根是Vcc。但是，并不是每个微控制器主板都需要5V的电源电压，有些需要3.3V。这就是为什么我们在Base Shield v2上添加一个电源开关。这样，您可以通过该开关调节Vcc的电压，确保Vcc的电压与主板的电源相同。

所以在使用Arduino UNO与Base Shield v2时，请将开关转到5v位置; 在使用带有Base Shield v2的Seeeduino Arch时，请将开关转到3.3v。

- 开发板兼容：引脚数与Arduino UNO R3相同。

!!!Note - 如果使用带有Seeeduino V3的Base Shield v2，请焊接P1，P2。

Grove 连接器: Base Shield v2 有16个Grove 连接头.

| 参数 | 名称 | 数量 |
|----|----|----|
|----|----|----|

| 参数 | 名称 | 数量 |
|--------------|----------------------|----|
| Analog port | A0/A1/A2/A3 | 4 |
| Digital port | D2/D3/D4/D5/D6/D7/D8 | 7 |
| UART port | UART | 1 |
| 2C port | I2C | 1 |

- 尺寸: 2.1 * 2.7 英寸
- LED 指示: 供电时绿色LED指示灯亮起。

兼容性

我们已经生产了大量的扩展板，可以使您的平台板更加强大，但是并不是每个扩展板都与所有的平台板兼容，这里我们使用表格来说明这些板与平台板的兼容性。

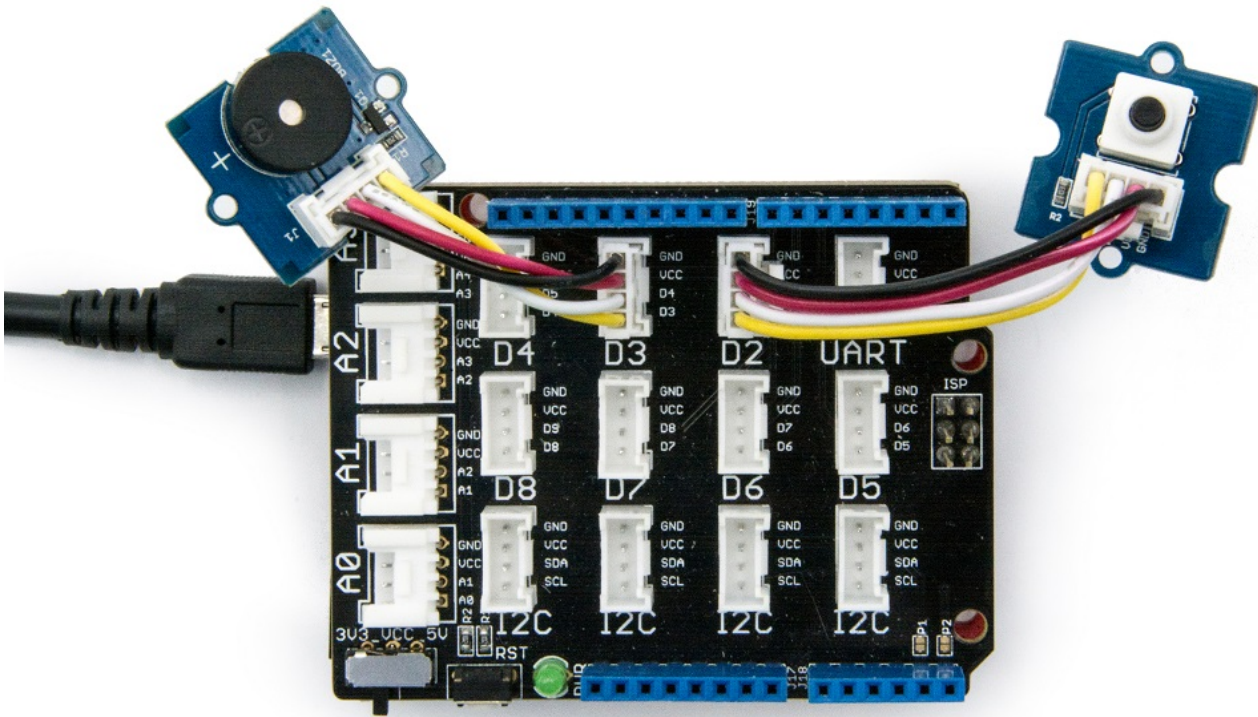
!!!note 请注意，下表中标识的"Not recommended"并不代表一定不能兼容，可能您需要一些额外的操作，比如跳线、焊接。如此，部分标识不兼容的也是可能正常使用的。更多兼容性信息请联系我们的技术支持 techsupport@seeed.cc。

点击查看大图

| | Arduino Uno Seeeduino v4.2 | Arduino Mega Seeeduino Mega | Zero(m0) LoRaWAN | Arduino Leonardo Seeeduino Lite | Arduino 101 | Arduino Due 3.3v | Intel Edison 5v | Linkit One |
|--------------------------------|-------------------------------|--------------------------------|---------------------|------------------------------------|--------------------|---------------------|--------------------|-----------------|
| 1 2.8" TFT Touch Shield V2.0 | bmp nonsupport | bmp nonsupport | Not recommended | bmp nonsupport | Not recommended | Not recommended | Not recommended | Not recommended |
| 2 Base Shield V2 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 3 Camera Shield | Only Pin234567 | Hardware Serial OK | Not recommended | Not recommended | Yes | Hardware Serial OK | No | No |
| 4 EL Shield | Yes | Yes | No | Yes | No | No | No | No |
| 5 Energy Shield | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| 6 GPRS Shield | Not recommended | Not recommended | Yes | Yes | Yes | Not recommended | Yes | No need |
| 7 Motor Shield V2.0 | Yes | Stepper motor only | No | Yes | Stepper motor only | Stepper motor only | No | No |
| 8 Music Shield V2.0 | Yes | Yes | Not recommended | Yes | Yes | Yes | Yes | Yes |
| 9 NFC Shield V2.0 | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes |
| 10 Protoshield Kit for Arduino | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 11 RS232 Shield | Yes | Yes | No | Yes | No | No | No | No |
| 12 Relay Shield V3.0 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 13 SD Card Shield V4.0 | Yes | Yes | Not recommended | Yes | Yes | Yes | No | No |
| 14 Seeed BLE Shield V1 | Yes | Not recommended | Not recommended | Yes | No need | Not recommended | Not recommended | No need |
| 15 W5500 Ethernet Shield | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 16 Wifi Shield(Fi250) V1.1 | Not recommended | Not recommended | Not recommended | Yes | Yes | Not recommended | No need | No need |
| 17 Wifi Shield V2 | Yes | Not recommended | Not recommended | Yes | Yes | Not recommended | No need | No need |
| 18 XBee Shield V2 | Yes | Not recommended | Not recommended | Yes | Yes | Not recommended | Not recommended | Not recommended |

应用

我们已经使用了Grove - LED和Grove - Button与Base Shield v2。所有Grove产品都有Grove连接器，可以直接插入Base Shield。



```

/*
  The circuit:
  * LED attached from pin 3 to ground
  * Button attached to pin 2 from +5V
  * 10K resistor attached to pin 2 from ground
  * Button Control An LED
  */

const int button = 2;      // the Grove port No. you attached a button to
const int LED     = 3;      // the Grove port No. you attached an LED to
void setup()
{
  pinMode(button, INPUT); //set button as an INPUT device
  pinMode(LED, OUTPUT);  //set LED as an OUTPUT device
}
void loop()
{
  int btn = digitalRead(button); //read the status of the button
  digitalWrite(LED, btn);
  delay(10);
}

```

- **[Easyeda原理图]** [Schematic at Easyeda](#)
- **[Base Shield原理图]** [Schematic of Base Shield v2](#)
- **[Base Shield原理图 pdf版]** [Schematics PDF of Base Shield V2](#)