



Banana PI GPIO Extend Board

T Electric level Convert Module





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Hardware Specification

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More information:

Get more product and support; please contact Shenzhen SINOVOIP CO., LIMITED (www.banana-pi.com)

Attention:

Due to technical requirements of components, please do not directly connect

your hands. The core board and development system contain static-sensitive devices. Quiet electrical charges easily accumulate in the human body, and the device cannot detect possible damage to equipment. It is recommended to take anti-static measures; it is recommended not to touch or store anti-static effect devices.



Banana Pi Expand Module Serial:

www.banana-pi.com

T Electric Level Convert module



Hardware Specification

Infinity cascade IO expand module:

This module is designed specifically for the Banana Pi IO expansion modules. The module expand 32 IO, Multiple modules can cascade, infinity cascade, infinity GPIO.

I2C GPIO expand module:

This module is designed specifically for the Banana Pi IO expansion modules. The Module use I2C bus to connect to Banana Pi. The module expand 8 Bidirectional GPIO and wit isolation protection function which can effectively excessive external voltage. There are 8 I2C address, you can choose one of them through setup the jumper. Multiple modules can cascade and maximum cascade 8 modules!

Prototype development module:

The Prototype development module is designed specifically for the Banana Pi. The module suitable enthusiasts and user can weld peripheral to the module; The module expand some amphenol connector and some SMT, so the user can finish prototype test easily.

Berryclip expand module:

The BerryClip module is designed specifically for learning how to use the GPIO of Banana Pi. There are 6 multiple color LED, 1 button and 1 Buzzer on the module.

Berryclip(DIY) expand module:

The module is not the end product, you need weld them by yourself. The function of the module is the same as BerryClip module.

UNO compatibility module:

The module makes Banana Pi compatible with Arduino Uno and many Arduino Shields. The module's GPIO is the same as Arduino Uno and you can choose the voltage of GPIO between 5V or 3V through setup jumper.

T Electric level convert module:

The module expand the GPIO of Banana Pi to breadboard. It convert 3.3V electric to 5V electric level, then the Banana Pi can connect many 5V electric level peripheral.

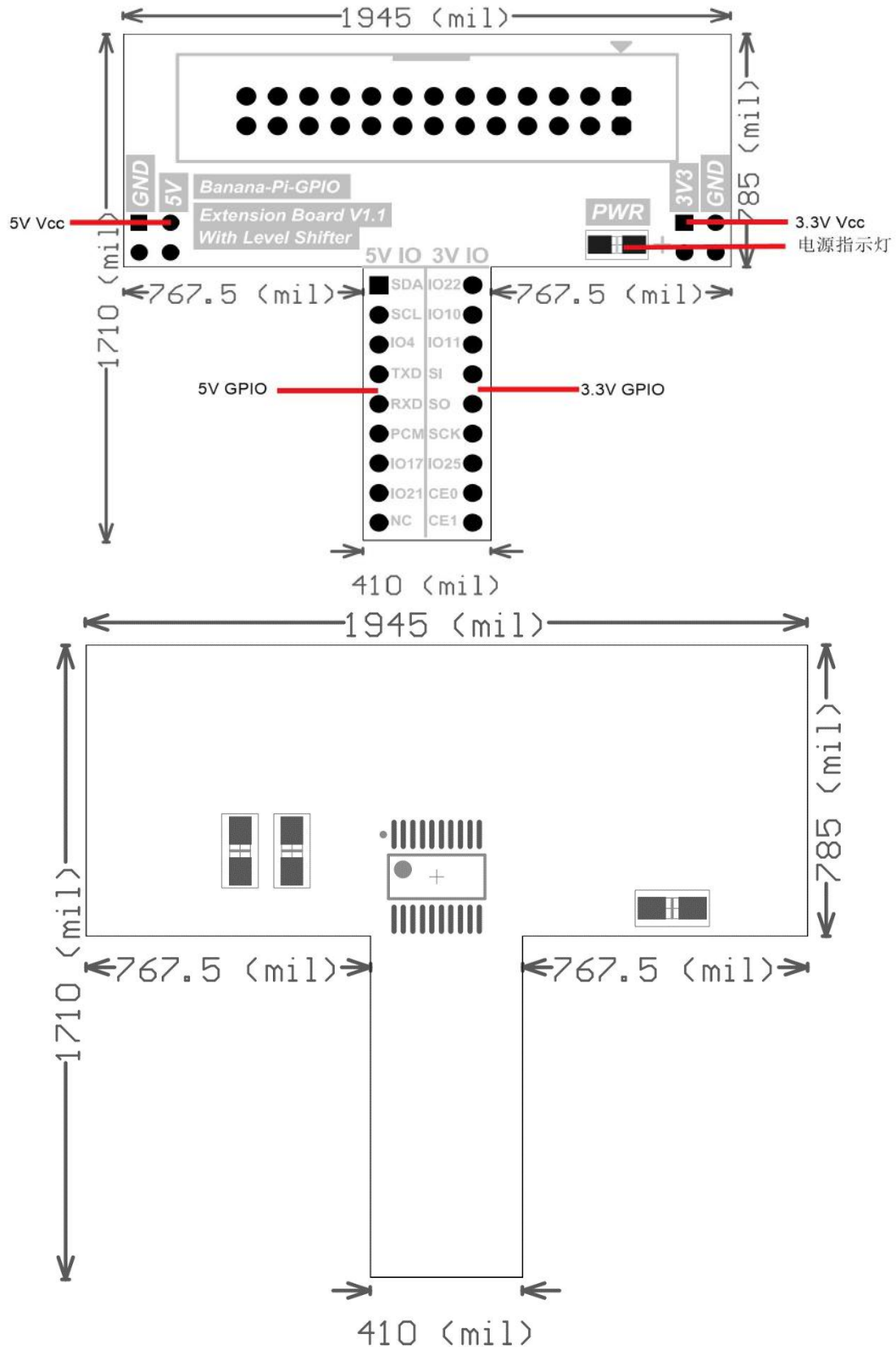
IO extraction module:

The module expand all of GPIO of Banana Pi to breadboard.



Hardware Specification

Product Specification:





Product Overview:

This module is designed specifically for convert the GPIO electric level of Banana Pi. It can convert 3.3V electric level to 5.5V electric level. That makes the Banana Pi compatible 5V peripheral. Modules are drawn twice a 5V Vcc and 3.3V Vcc; module IO are all below the left side of the 5V level IO, the right of all to 3V level IO. It is connected via cable 2 * 13 and banana pie GPIO port, and then plug in the breadboard module can be used.

Produce Feature:

- Convert 3.3V GPIO to 5V GPIO
- 3.3V GPIO and 5V FPIO classification
- Can be used in breadboard
- Use TI TXB0108 chip

Port:

- 5V Vcc
- 3.3V Vcc
- 5V GPIO
- 3V GPIO
- Banana Pi connect port

Product Parameters:

- Working voltage: 1.65V-5.5V
- Drive current up to 50mA
- Low Power Consumption, 4- μ A Max Icc
- -40°C to +85°C operation

Typical Application:

- Convert electric level
- Breadboard test
- DIY hands-on experiments

