

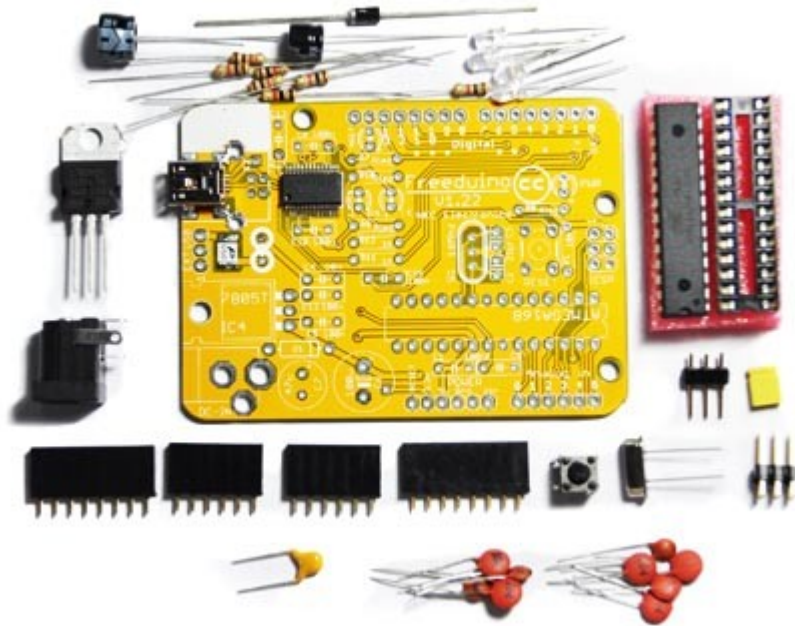
SEED TECHNOLOGY INC (SEEDUINO)

Freeduino USB complete Kit

Model: ARD107B1P

Introduction

Freeduino USB complete Kit includes all the kits needed to assemble Freeduino. And now the Freeduino USB Kit comes with a mini USB-B connector pre-soldered to the PCB and the Atmega 328 microcontroller.



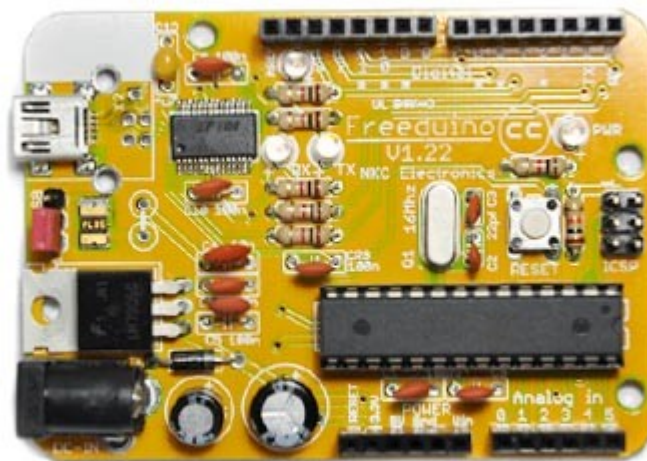
Arduino is an open-source physical computing platform based on a simple I/O board and a development environment that implements the Processing/[Wiring](#) language. Arduino can be used to develop stand-alone interactive objects or can be connected to software on your computer. the open-source IDE can be [downloaded](#) for free (currently for Mac OS X, Windows, and Linux).

Arduino received an Honorary Mention in the Digital Communities section of the 2006 Ars Electronica Prix. Some new features available in Arduino diecimila, implemented in this Freeduino (Arduino compatible) board:

- AutoReset: It is possible to upload compiled sketch to the MCU without pressing the board reset button
- USB overcurrent protection: A resettable polyfuse protects the USB port from overcurrent and shortcut situations.
- New bootloader with 1 second delay
- Easy to solder board

The FT232RL chip is pre-soldered, eliminating the most difficult component to solder. The rest of the components are easy to solder through-hole. We also switched from metal film 1% resistors to standard resistors for easier value reading for novice users.

You only need a soldering iron, some solder, a multimeter and soldering skills.



Features

- feature1
- feature2
- feature3

Application Ideas

- Application1
- Application2
- Application3

Cautions

The warnings and wrong operations possible cause dangerous.

Schematic

It is the schematic, the circuit about Eagle resource like .pdf should linked here in order to avoid memory exhausted.

Specification

May include key specification and other specifications.

Pin definition and Rating

Mechanic Dimensions

Usage

Hardware Installation

Programming

Includes important code snippet. Demo code like :

```
Demo code
{
}
```

Example

The projects and application examples.

Bill of Materials (BOM) /parts list

All the components used to produce the product.

FAQ

Please list your question here:

Support

If you have questions or other better design ideas, you can go to our [forum](#) or [wish](#) to discuss.

Version Tracker

Revision	Descriptions	Release
v1.0	Initial public release	Aug 13, 2009

Bug Tracker

Bug Tracker is the place you can publish any bugs you think you might have found during use. Please write down what you have to say, your answers will help us improve our products.

Additional Idea

The Additional Idea is the place to write your project ideas about this product, or other usages you've found. Or you can write them on Projects page.

Resources

[Assembly Instruction](#)

See Also

- [Arduino ProtoShield kit remixed v1.0](#)
- [Seeeduino Mega fully Assembled](#)

See Also

Other related products and resources.

Licensing

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External Links

Links to external webpages which provide more application ideas, documents/datasheet or software libraries