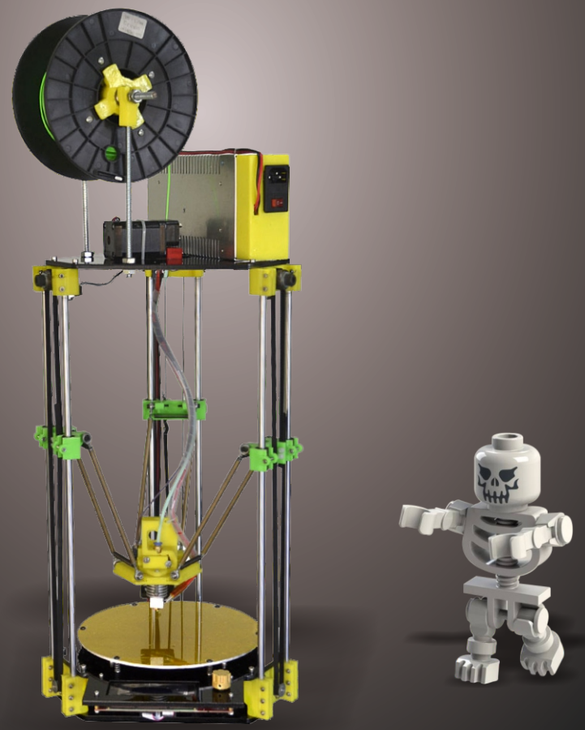
# 3D Printer





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Great tool for DIY enthusiasts

No need of professional background

## 3D Print Works



keyestudio

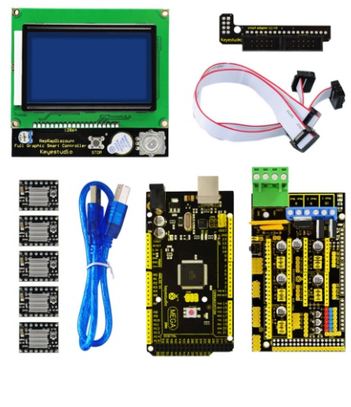
## keyestudio 3D MKS Gen V1.4 Printer Motherboard Control Board

KS0282

### Introduction

Keyestudio 3D MKS Gen V1.4 printer motherboard control board combines and improves the assets solutionof the RAMPS 1.4 and Arduino Mega 2560 board on a fantastic single board. Keyestudio 3D MKS Gen V1.4 printer motherboard control board is an optimal 3D printer controller solution for your Reprap 3D printer.

## keyestudio 3D Printer Kit (RAMPS 1.4 + Mega 2560 + 5x A4988 + LCD 12864 Smart Controller)



KS0090

### Component List

1* Keyestudio Mega2560
1* LCD12864 Controller
1* Ramps 1.4
5* A4988 Stepper Driver
1* Panel Adapter
1* USB 2.0 Cable

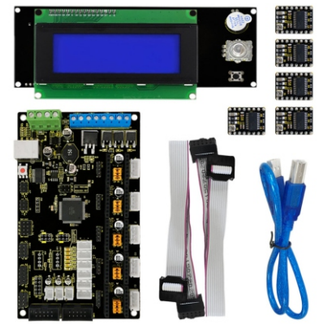
## keyestudio 3D Printer Kit (RAMPS 1.4 + Mega 2560 + 5x A4988 + LCD 2004 Smart Controller)

KS0091

### Package list

1* Keyestudio Mega2560
1* Lcd2004 smart Controller
1* Ramps 1.4
5* A4988 stepper driver
1* Panel Adapter
1* USB 2.0 cable

## keyestudio 3D Printer Kit MKS Base V1.2 + 5x 8825 + LCD 2004 Smart Controller

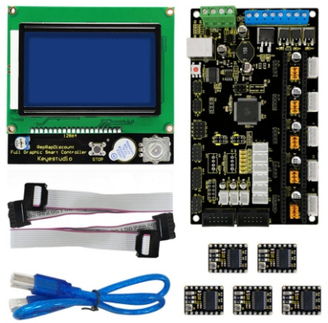


KS0092

### Package List

1* MKS base V1.2
1* Lcd2004 smart Controller
5* 8825 stepper driver
1* USB 2.0 cable

## keyestudio3D Printer Kit MKS base V1.2 + 5x 8825 + LCD 12864 Smart Controller



KS0093

### Package List

1* MKS base V1.2
1* Lcd12864 smart Controller
5* 8825 stepper driver
1* USB 2.0 cable

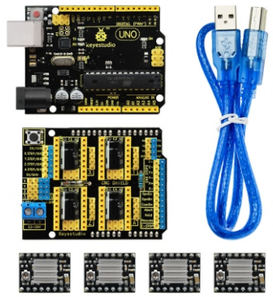
## keyestudio Arduino CNC kit / CNC Shield V2.0 + Uno R3+3pcs A4988 Driver / GRBL Compatible

KS0094

### Introduction

Keyestudio CNC Shield V2.0 can be used as driver expansion board for engraving machines. It has in total 3 channel slots for A4988 stepper motor driver modules (not included) for driving 3 channel of stepper motors. Each channel of stepper motor only needs 2 IO ports, which means 6 IO ports is sufficient to manage 3 stepper motors. This shield can make quick work for managing stepper motors in your project.

## keyestudio Arduino CNC Kit / CNC Shield V3.0 +Uno R3+4pcs a4988 Driver / GRBL Compatible

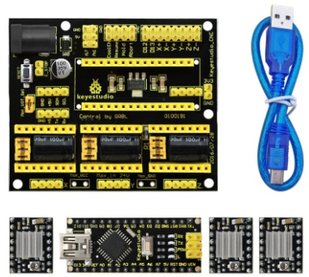


KS0095

### Introduction

Keyestudio CNC Shield V3.0 can be used as driver expansion board for engraving machines. It has in total 4 channel slots for A4988 stepper motor driver modules (not included) for driving 4 channel of stepper motors. Each channel of stepper motor only needs 2 IO ports, which means 6 IO ports is sufficient to manage 3 stepper motors. This shield can make quick work for managing stepper motors in your project.

## keyestudio CNC Kit / CNC Shield V4.0 + Nano 3.0+3pcs a4988 Driver / GRBL Compatible

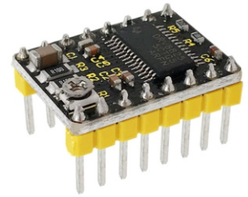


KS0096

### Specification

*3 axis stepper motor driver *power DC5v interface, 7.5-12V voltage input
*Compatible with micro-drive laser engraving machine, three-axis CNC engraving machine
*2A can be controlled within the two-phase four-wire stepper motor
*Released the digital IO interface, easy to connect to other modules
*Released the I2C interface, you can connect to the LCD I2C or other I2C module
*GRBL compatible *worked with arduino nano

## keyestudio DRV8825 Stepper Motor Driver for 3D Printer



KS0141

### Package List

The DRV8825 features adjustable current limiting, over-current and over -temperature protection, and six microstep resolutions (down to 1/32-step). It operates from 8.2-45V and can deliver up to approximately 1.5A per phase without a heat sink or forced air flow (rated for up to 2.2 A per coil with sufficient additional cooling).

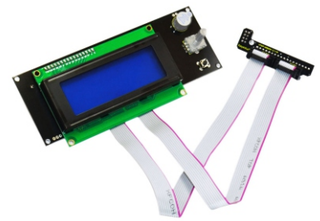
## keyestudio RAMPS1.4 / 12864 LCD Control Panel for 3D Printer

KS0149

### Introduction

This is a LCD control panel used in 3D printer, an extension accessory of RAMPS. By using this panel, the printer can realize off-line printing function. That is to store the Gcode file of the 3D model to SD card, and then use the LCD control panel to print the file. This is an updated version of Reprap smart controller.

## keyestudio RAMPS1.4 / 12864 LCD Control Panel for 3D Printer



KS0150

### Introduction

The smart control panel includes a SD card reader, a rotary encoder and a 20 character * 4-line LCD. When this control panel is connected to RAMPS 1.4, you don't need your PC anymore. The smart control panel supplies power for your SD card. Further more actions like calibration, axes movements can be done by adjusting the rotary encoder on the Smart Control panel.

## keyestudio CNC Kit / CNC Shield V3.0 +keyestudio Uno R3+4pcs DRV8825 Driver / GRBL Compatible

KS0286

### Introduction

Keyestudio CNC Shield V3.0 can be used as driver expansion board for engraving machines. It has total 4 channel slots for DRV8825 stepper motor driver modules (not included) for driving 4 channel of stepper motors. Each channel of stepper motor only needs 2 IO ports, which means 6 IO ports is sufficient to manage 3 stepper motors. This shield can make quick work for managing stepper motors in your project.

## keyestudio RAMPS1.4 / 12864 LCD Control Panel for 3D Printer

KS0288

### Introduction

Keyestudio CNC GRBL V0.9 is a motherboard developed for various robots such as laser engraving, CNC, writing robot and so on. It has complete interfaces with cheap price, and can connect external drive, very suitable for DIY or factory use.

## keyestudio CNC V0.9A+4988 Driver with Heat Sink Kit

KS0311

### Specification

Keyestudio CNC GRBL V0.9 is a main board developed by Keyestudio for CNC, laser engraving machine, writing robots and other robots. It has complete interfaces with cost-effective and can be driven via external connection, suitable for DIY and factory use.