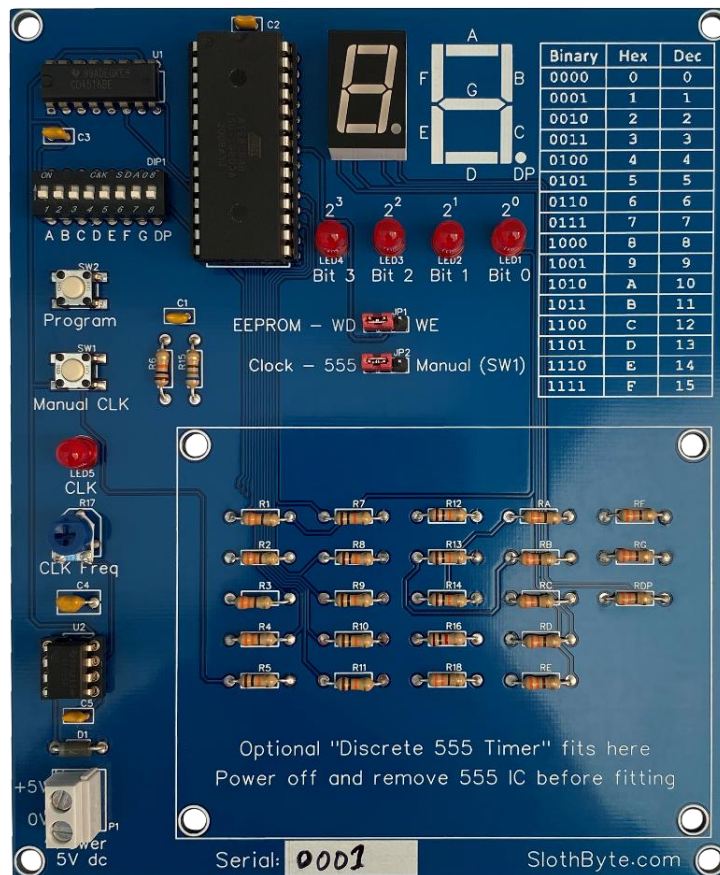




4-Bit Binary and Hex Kit



This educational kit is designed to teach you the concepts of binary and hexadecimal, both of which are used throughout the computing and electronics industry. You'll also learn about EEPROM ICs and how they can be used to store information and be used as decoders.

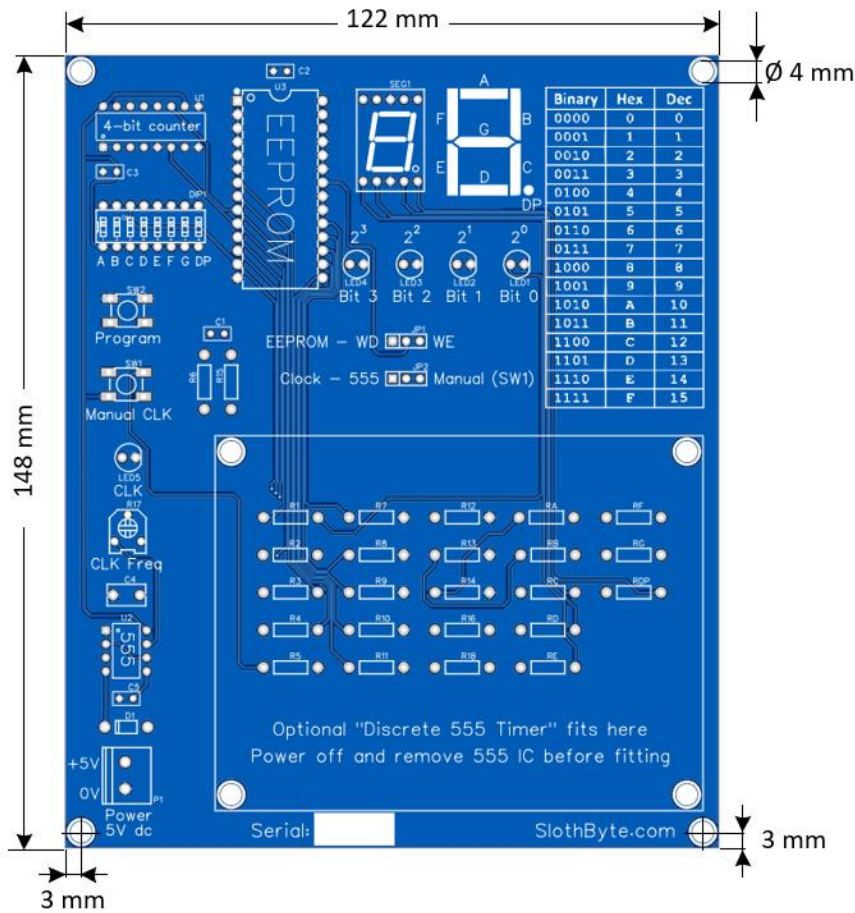
Features

- 4-bit binary counter IC
- Binary count is output to LEDs
- Hexadecimal is output to 7-segment LED display
- Programmable – using the onboard DIP switches and instruction guide, you will program the EEPROM to decode the binary and output hexadecimal
- Adjustable clock frequency; 0.7 Hz to 550 Hz
- Automatic clock or manual (automatically cycle through the count or switch to manual mode to manually trigger each clock pulse using the tactile push button)
- Compatible with the Sloth Byte “Discrete 555 Timer Kit”





Measurements (not to scale)



Technical Data

Dimensions (W x H):	122 x 148 mm
PCB Thickness:	1.6 mm
Power Supply:	5 V dc (connection made using screw terminals)

Extent of supply

- PCB
- All components*
- PCB standoffs* to enable the use of the optional Sloth Byte Discrete 555 Timer Kit**
- Link wires* to enable the use of the optional Sloth Byte Discrete 555 Timer Kit**
- Detailed manual and assembly instructions supplied as pdf download

* If purchased as a kit.

** This kit is supplied with a 555 IC and will function without the Sloth Byte Discrete 555 Timer Kit. However, you can bring a further element of learning and enjoyment to this kit by purchasing the compatible Sloth Byte Discrete 555 Timer Kit.

This product is an educational hobby kit; it is not for use in life-critical systems or where failure could lead to the risk of injury death. The technical data contained herein has been provided solely for informational purposes and is not legally binding. This datasheet is subject to change, technical or otherwise.

