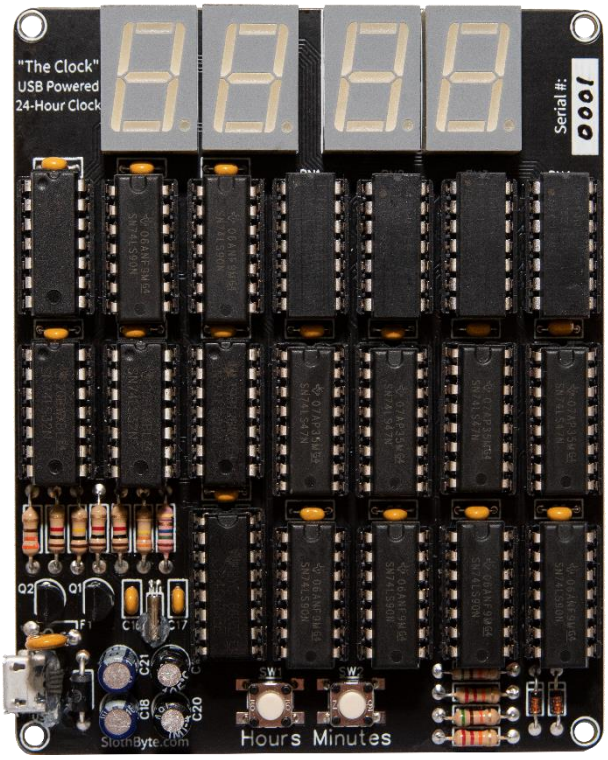
“The Clock” Kit

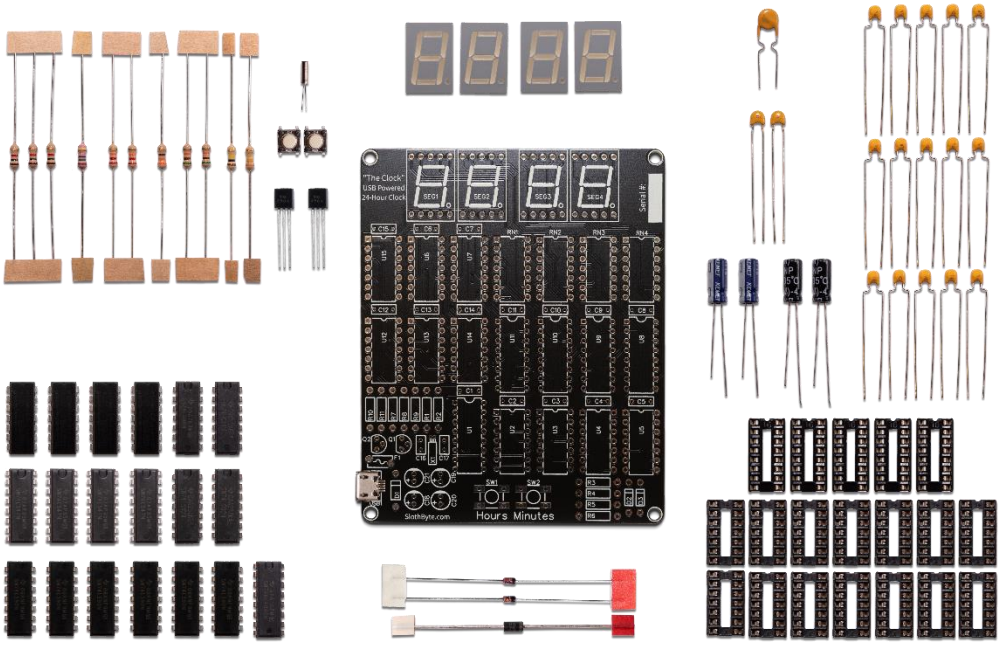


Build your own 24-hour quartz crystal USB powered clock with “The Clock” by Sloth Byte. Designed around the 7490 and 7447 chips, you’ll not find a CPU or microcontroller in sight!

Features

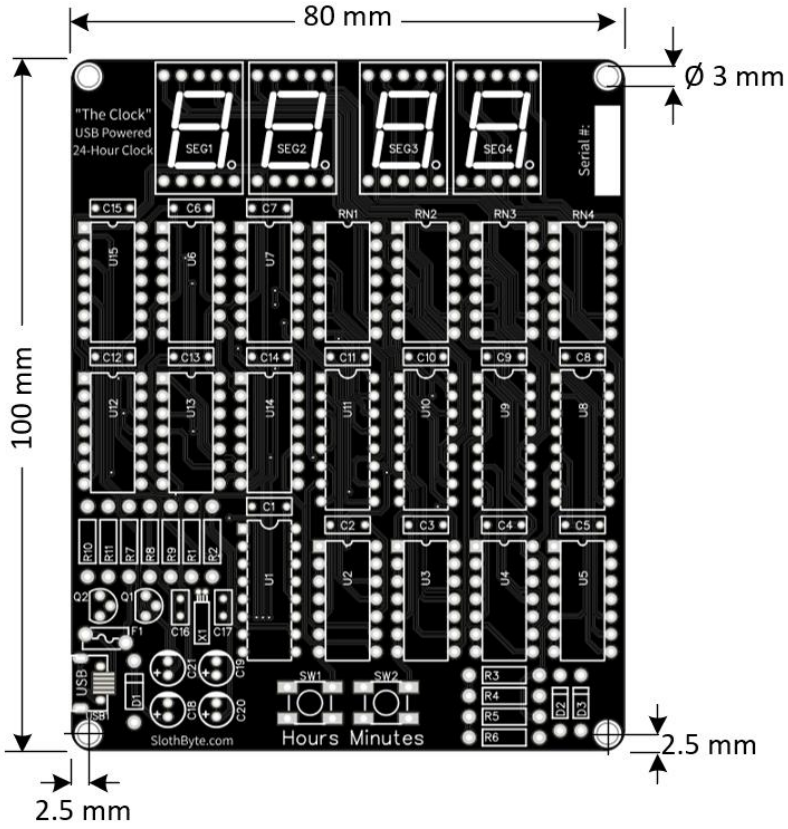
- 24-hour clock
- Easy to read red seven-segment display
- Quartz crystal accuracy
- Hours and minutes tactile push buttons
- USB powered (micro-USB port)

Kit Contents*



Colour of components may differ. IC holders are an optional add-on.

Measurements (not to scale)



Technical Data

Dimensions (W x H):	80 x 100 mm
PCB Thickness:	1.6 mm
PCB Colour:	Black
Power Supply:	USB (5V dc / 500mA)*

Extent of supply

PCB
All components**
Detailed assembly instructions***

* Typical current draw is around 280 mA. Power supply and USB cable not included in the extent of supply

** If purchased as a kit, all electronic components included. IC holders are an optional add-on.

*** Full colour pdf construction manual, featuring component information, build guide, block diagram and circuit diagram. Download from https://www.slothbyte.com/the-clock-docs

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 or 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.