SparkFun Learn to Solder - Simon Says

KIT-13708 ROHS

Our through-hole Simon Says Kit is a great beginner's kit and also a pretty fun toy. All components are through-hole, making this kit a great place to start when you're learning to solder. When building this kit, you'll have a chance to solder a 28-pin microprocessor, LEDs, battery clips and more.

The Learn to Solder version of the Simon Says Kit includes everything that the original kit does as well as the basic soldering tools you need to put it together! This is a great kit for anyone just learning to solder or teaching someone to solder. The Learn to Solder Kit even comes with our Beginning Soldering Handbook which will walk you through the basics of making a solid solder connection.

After you have successfully assembled the kit, you will have a greater knowledge of through-hole soldering and the tools, techniques, and terminology required to populate your own PCB prototype. You will have a development platform with 5 outputs (LEDs and buzzer), 5 inputs (buttons), and serial for debugging. And, of course, you'll have your very own Simon game! Assembly time varies, but for a true beginner with no soldering experience, the kit can take 20-40 minutes to assemble.

INCLUDES

- Simon Says PTH Kit
- SparkFun Safety Glasses
- Beginning Soldering Handbook
- Lead Free Solder - 15g Tube
- Soldering Iron Stand w/ Sponge
- Diagonal Cutters
- 30W Soldering Iron
- #2 Solder Wick - 5ft.

DOCUMENTS

- Schematic
- Eagle Files
- Assembly Guide
- Soldering Tutorial
- Code
- Code (github)