Il Sequenziatore Di Stefano

"The Sequencer of Di Stefano" so named for my friend Mario who helped me make a simple circuit more flexible. This improved Seqencer has both variable speed and brightness.

This circuit will make one to ten LEDs blink in sequence. This circuit is not a difficult one to assemble, but the board is designed to be compact which makes parts access tricky. Components that need to be on one side are pointed out. Otherwise, most parts can go on either side. Where polarity must be observed is pointed out. What is shown at right is a good basic set of tools needed to make this job pleasurable. Fine rosin-core solder (Radio Shack #64-005 E), Rosin Soldering Flux (helps clean surfaces and aid in solder flow Radio Shack #64-021), fine tipped pliers, flush nippers, CSI Soldering Station 1 (circuitspecialists.com comes with a fine point as standard-an excellent value) and a tip cleaner (circuitspecialists.com Model 640)

The pins are numbered in the order in which they "step." Each pin can power 4-5 LEDs each. Connect multiple LEDs in parallel. Good luck and I hope you have fun!--Eliot Brown



You don't need the flux or the tip-cleaner and a good fine-point soldering iron is fine. I would work with a sponge handy.

Good soldering is achieved by heating both pieces and touching solder to the join. Blobs are okay if they are where they belong. Beware tiny shorts.

Getting Started: Eye Protection Necessary!



You can trim this board with a paper cutter or heavy-duty scissors. You might wish to leave some extra material in order to have something to fasten it with. Or drill a hole and bolt it through to something.





I recommend a 1/32" drill or #41 for all the through-holes. Shown here is a finger drill installed in a drill press. A hand drill can be used but requires patience and the need for several spare drill bits.



Il Sequenziatore Di Stefano is a general purpose LED sequencer intended for hobby use. Please take reasonable care when assembling and installing this circuit, no liability is assumed. Made by warmplastic.com distributed by Fedoratron.com USA The design shown, text and pictures are ©2011 Eliot Brown and warmplastic.com

Underside view. Note markings on chips show orientation.