

Dirty Electronics White Label Synth

John Richards 2013

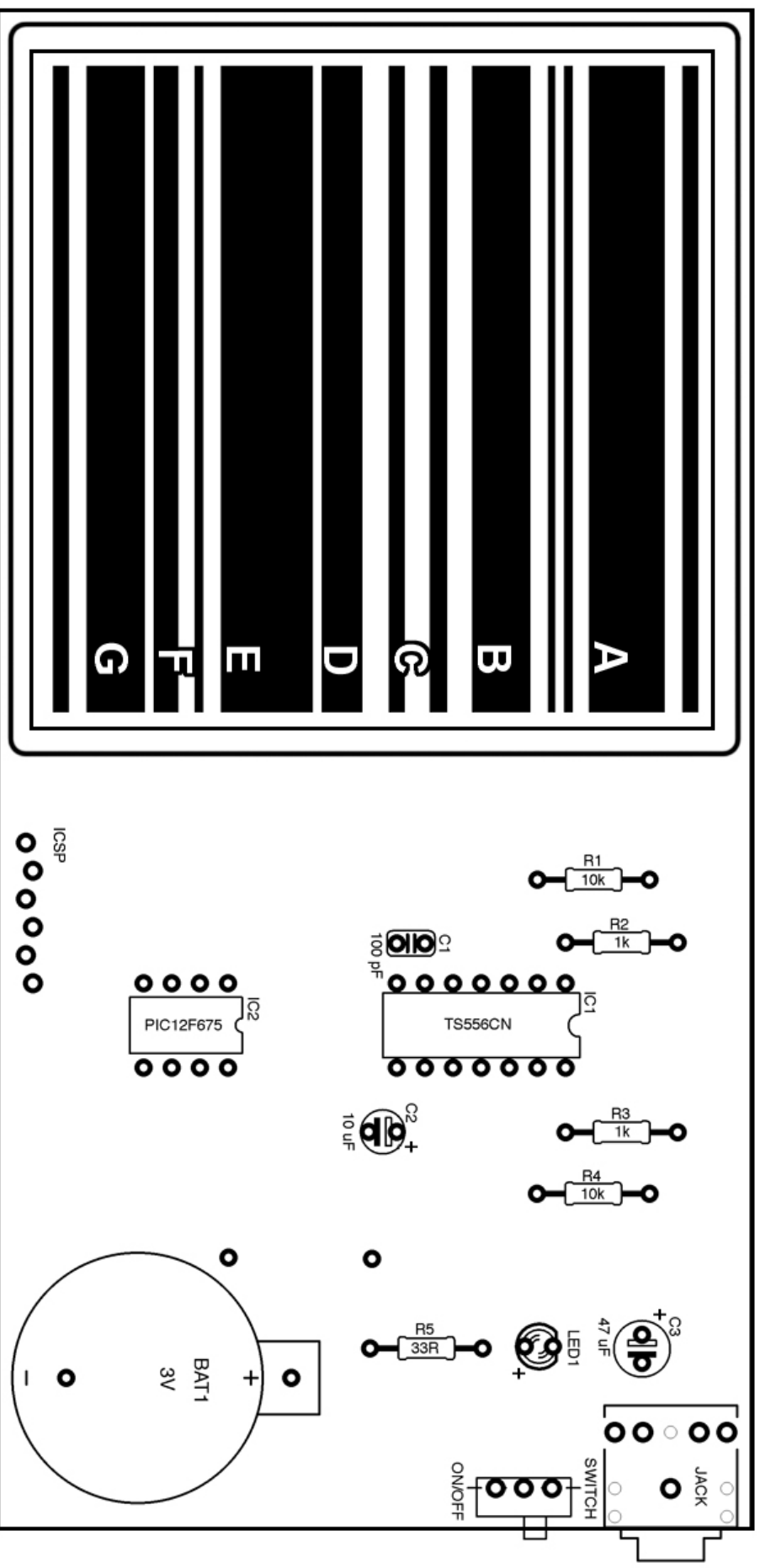
The Dirty Electronics White Label Synth is an ultra minimal pocket-sized synth, white finished with silver-plated etched graphic. The original design for the Synth is based on the Dirty Electronics Sonar 20th Anniversary Synth 2013 that combines a programmable digital PIC chip with an analogue noise circuit.

The instrument comes with pre-written sequenced patterns that can be either listened to in their own right or 'played' (mashed-up, parts of the sequence looped, tempo changed, noise and feedback added, etc.). The White Label Synth has an exclusive set of sequenced patterns and is played by running fingers across the graphical circuit board. It is designed for headphone listening or line out. Bit bashing meets analogue noise and crumpled grooves.

The default code for the instrument was written in C language with Jim Frize.

www.dirtyelectronics.org

White Label Synth Layout



Part List

IC1 – TS556CN (notch = top)
 IC2 – PIC12F675 (notch = top)
 DIL Socket – 14 pin (notch = top)
 DIL Socket – 8 pin (notch = top)
 R1 – 10k (br/blk/blk/red/br)
 R2 – 1k (br/blk/blk/br/br)

R3 – 1k
 R4 – 10k
 R5 – 33R (or/or/bl/gld/br)
 C1 – 100 pF (beige)
 C2 – 10 uF (+ = long leg)
 C3 – 47 uF (+ = long leg)
 LED1 – 3mm (+ = long leg)

BAT1 – holder
 Bat 3v – CR2023
 Jack Socket – 3.5 mm stereo
 Switch – SPDT
 Rubber feet x4

NOTE: Two large vias (no component)

White Label Synth Schematic

