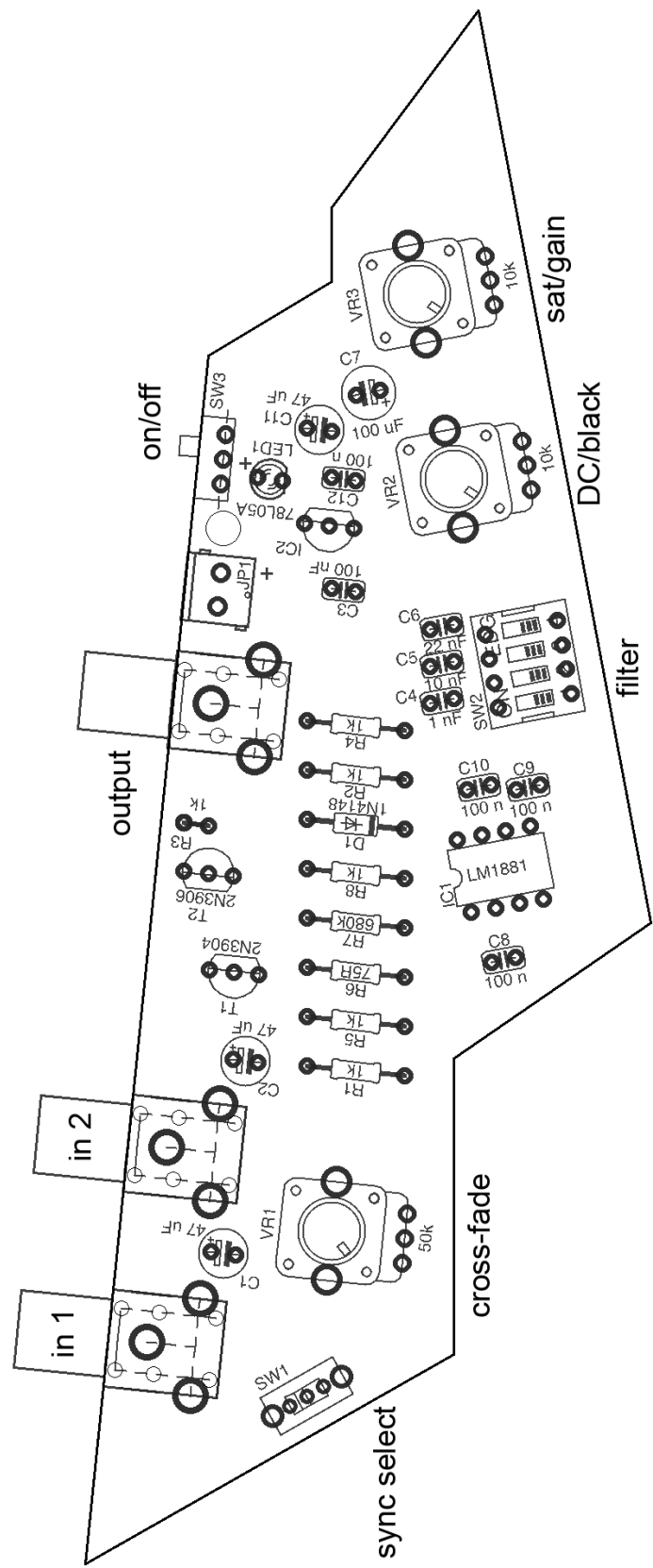




PARTLIST

NOTE!

R6 75R (vl/gr/blk/gld/br)
R7 680R (blu/gry/blk/blk/br)
VR1 50k (pot)
ICs and sockets (notch top)
Caps polarity C1, C2, C7, C11 (short leg -)
Resistors no polarity (any direction)

IC1 LM1881 (notch top)
IC2 78L05A (voltage regulator)
DIL8 Socket (x1) (notch top)

T1 2N3904
T2 2N3906

SW1 SWITCH-SPDT (top)
SW2 DIP-4
SW3 SWITCH-SPDT (side)

C1 47 u (x3) polarity (short leg -)
C2 47 u polarity (short leg -)
C3 0.1 u (100 n) (x5) (beige 104)
C4 1 n (beige 102)
C5 10 n (beige 103)
C6 22 n (beige 223)
C7 100 u polarity (short leg -)
C8 0.1 u (100 n) (beige 104)
C9 0.1 u (100 n) (beige 104)
C10 0.1 u (100 n) (beige 104)

C11 47 u polarity (short leg -)
C12 0.1 u (100 n) (beige 104)

R1 1k (x6) (br/blk/blk/br/br)
R2 1k
R3 1k
R4 1k
R5 1k
R6 75R (vl/gr/blk/gld/br)
R7 680R (blu/gry/blk/blk/br)
R8 1k

D1 1N4148 (diode)

JP1 Screw terminal (bat)

VR1 50k (pot)
VR2 10k (x2)
VR3 10k

V1 RCA socket (yellow)
V2 RCA socket
V3 RCA socket

Feet (x5)
Battery clip

More info and documentation:
www.dirtyelectronics.org

Two-channel video mixer and processor based on a common video amplifier circuit and sync signal as used in Gijs Gieskes Schele-Mixer. The red and white/silver striped artwork for the PCB takes inspiration from the record sleeve *Wide Open* by the Skids and the idea of 'colliding polygons' caused by video timing issues.

References – video signals

<http://www.ni.com/white-paper/4750/en/#toc1>

<https://www.maximintegrated.com/en/app-notes/index.mvp/id/734>

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