

Crush-N-Blend Rev6 BOM:

Metal Film resistors (1/4 W)

1x 10 Ω
2x 7.2 Ω
2x 51 Ω
1x 1.2 K (RLED)
4x 7.5 K
4x 20 K
18x 10 K
4x 100 K

Trimmers:

Vishay T93-YA or equivalent

4x 10K Trimmer (Input Section)
2x 22K Trimmer (Output Section)

Semiconductors:

1x LED
2x 1N4001 diode
2x some fast schottky or other typical relay protection diode
3x NE5532 IC OpAmp (Fairchild semi type is recommended)

Capacitors:

8x (Direct Version) or 15x (Capacitor Coupled Version)
22-220 μ Electrolytic (Panasonic FC, Nichicon)

2x 1 μ Electrolytics

3x 100n Ceramic or Poly caps (bypass for the rails by the 5532s)

6x 22p or thereabouts ceramic or (luxury luxury) Styroflex Capacitors

Optional:

8x or 15x MKS2 or MKT Poly (Wima & Co.) Capacitors for bypassing the Electrolytics (depending on main Capacitors used - this is for playing and experimenting with, when in doubt, stuff with FCs and leave out bypass caps).

Other Stuff:

3x IC socket DIL8

2x 12V Relay Omron G5V (-2-H1) or Takamisawa RY12W (-K) or so

Headers:

3x 3pin, 1x 2pin, 1x 5pin

If you find any errors, send a mail to diy@livingnote.com

Happy Building!

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Lukas

diy@livingnote.com