

MEGA PERCUSSIVE SYNTHESIZER PARTS LIST

All fixed resistors are 1/4-watt, 5% values.

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|-----------|---------------------------|
| R1 | 100 Ω |
| R2 – R6 | 220 Ω |
| R7, R8 | 390 Ω |
| R9, R10 | 560 Ω |
| R11 | 820 Ω |
| R12 – R16 | 1k |
| R17 | 1.5k |
| R18 | 2k |
| R19, R20 | 2.2k |
| R21 | 3.9k |
| R22 | 4.7k |
| R23 – R25 | 5.1k |
| R26 – R35 | 10k |
| R36 – R43 | 10k linear potentiometer |
| R44 | 12k |
| R45 – R48 | 20k |
| R49 | 22k |
| R50 – R53 | 27k |
| R54, R55 | 47k |
| R56 – R59 | 56k |
| R60 – R77 | 100k |
| R78 – R85 | 100k linear potentiometer |
| R86 | 180k |
| R87 – R92 | 200k |
| R93 | 330k |
| R94 | 1M |
| R95 – R97 | 1M linear potentiometer |

Miscellaneous: printed circuit board, IC sockets, front panel, knobs, wire, etc.

All capacitors are 16V unless noted.

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|-----------|--------------------------|
| C1, C2 | 820pF poly |
| C3 | 0.001 μ F mylar |
| C4 – C12 | 0.01 μ F disc |
| C13 | 0.01 μ F mylar |
| C14, C15 | 0.022 μ F mylar |
| C16 – C20 | 0.1 μ F mylar |
| C21 – C29 | 2.2 μ F electrolytic |
| C30 | 4.7 μ F electrolytic |
| C31 – C34 | 10 μ F electrolytic |

Semiconductors

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|-----------|-----------------------|
| D1 – D6 | 1N4148 diode |
| D7 | LED |
| Q1 – Q7 | 2N3904 NPN transistor |
| Q8 – Q14 | 2N3906 PNP transistor |
| IC1 – IC3 | LM13700 dual OTA |
| IC4 | 4046 CMOS PLL |
| IC5 | XR-2206 VCO |
| IC6 | TL074 quad op-amp |

Other components

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|----------|-----------------------|
| J1 – J6 | 1/4" phone jack, n.o. |
| J7 – J10 | 1/4" phone jack, n.c. |
| S1 – S3 | SPDT switch |