

MEGA PERCUSSIVE SYNTHESIZER PARTS LIST

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

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.

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

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

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