

L-1 SYNTH

MICROCOMPRESSOR STEREO – Parts list.

Items marked green are already installed or are included

Qty	Value	Package	Comments	Parts	Farnell code
IC's					
2	THAT4301	DIL20		IC1, IC4	1354170
1	LM393	DIL08		IC3	9755950
Transistors					
3	2N3904	TO92		T2, T4, T5	1700648
3	2N3906	TO92		T1, T3, T6	1574372
1	J112	TO92		U\$7	1017712
Diodes					
2	1N4004	Through-hole	or 1N4007	D8, D9	1843708
7	1N4148	Through-hole		D1, D2, D3, D4, D5, D6, D7	9843680
3	LED	3mm	red	LED1, LED2, D12	1208885
Capacitors					
1	22p	1206	Ceramic	C7	1800833
2	47p	1206	Ceramic	C3, C27	1414734
1	2n2	5mm	film	C5	1166065
1	10n	5mm	film	C20	1166055
1	47n	5mm	film	C21	1166046
5	100n	5mm	film	C4, C17, C19, C29, C31	1650969
6	0.1uF	1206	Ceramic, power decoupling caps	C9, C12, C13, C14, C15, C24	1759361
1	470n	5mm	film	C16	1166041
1	4.7uF	2.5mm	electrolyth	C8	
1	4.7uF	5mm	electrolyth (tantal preferred)	C23	1457579
2	47uF	2.5mm	electrolyth	C2, C26	1848463
4	100uF	2.5mm	electrolyth	C6, C10, C11, C22	1848439
2	220uF	2.5mm	electrolyth	C1, C18	1848418
Resistors					
2	10 Ohm or ferrite bead	0.25W through-hole		R31, R32	9339035
3	51	1206		R6, R27, R59	1470021
2	100	1206		R38, R41	2078994
1	150	1206		R10	2078996
1	330	1206		R43	2078998
1	510	1206		R20	1100184
1	1K4	1206		R18	2139448
1	3K	1206		R37	1100203
3	4K99	1206	R33, R34 - 5K 3300ppm tempco preferred	R30, R33, R34	1470015
2	5K1	1206		R22, R29	1100211
3	10K	1206		R23, R24, R28	2079007
1	15K	1206		R17	2079009
5	20K	1206		R1, R3, R46, R48, R56	1469993

1	28K7	1206		R2	2139541
4	30K	1206		R13, R16, R25, R39	1100230
1	33K	1206		R68	2079012
1	60K4	1206		R55	2057782
4	100K	1206		R21, R35, R45, R49	2079015
1	150K	1206		R14	2079016
2	200K	1206		R15, R36	1100252
1	226K	1206		R40	2142305
2	300K	1206		R5, R58	1100256
1	390K	1206		R8	2139645
3	2M	1206		R9, R11, R61	1506156
1	3M	1206		R26	2139745
2	20M	1206		R19, R42	1809451
Trim pots					
1	22K		0dB level	R67	9353240
3	50K		LED, distort	R4, R50, R57	9353305
Potentiometers					
2	10K_lin	9mm PC mount		ATT, RATIO	Smallbear 1012A Tayda A-1847
3	50K_lin	9mm PC mount		GAIN, REL, TRSH	Smallbear 1012A Tayda A-1858
Switches					
5	DPDT on-on	Sub-miniature		S1, S2, S3, S4, S5	9473068 Smallbear 0223
Other					
1	Euro power connector			SV1	1928436
10	Jack 3,5mm	PC-mount	Kobiconn Thonkiconn Erthenvar		Farnell 1280747 Mouser Kobiconn 16PJ138 Thonk Thonkiconn Erthenvar Erthenvar
4	Spacer 12mm				1466845
5	Knobs		Synth pointer #2		Thonk KNOB_SynthTech Smallbear 0808D

Hex nuts and washers from Erthenvar:

<http://erthenvar.com/store/eurodiy/35hardware/hex35mm>

<http://erthenvar.com/store/eurodiy/35hardware/washer35mm>

Hex nuts and washers from Thonk:

<http://www.thonk.co.uk/shop/jack-nuts-and-washers/>