

L-1 SYNTH

Vocoder control board– Parts list.

All parts not higher than 10mm to fit into 12mm between boards.

Qty	Value	Package	Comments	Parts	Farnell code
IC's					
1	TL071	DIL08		IC2	1094351
3	OPA2604	DIL08	TL072 for low buget	IC1, IC3, IC4	1097431 1106015
1	THAT4301	DIL20		U2	1354170
1	THAT1510	DIL08		U1	1354159
1	THAT340	DIL14		Q5	1354180
Diodes					
2	1N4004	Through-hole	or 1N4007	D1, D2	1843708
2	LED	green		D3, D4	1003199
Capacitors					
4	22p	5mm	ceramic	C4, C10, C11, C32	1216411
1	47p	5mm	ceramic	C8	1216413
2	100p	5mm	film	C1, C2	1005979
1	470p	5mm	film	C3	1005988
2	2n2	5mm	film	C15, C18	1166065
1	4n7	5mm	film	C19	1166067
1	10n	5mm	film	C33	1166055
1	22n	5mm	film	C16	1166044
1	33n	5mm	film	C14	1166045
12	0.1uF	1206	ceramic, power decoupling caps	C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C36, C37	1759361
3	100n	5mm	film	C9, C17, C34	1650969
1	1uF	5mm	film	C35	1650971
2	10uF	2.5mm	electrolyth	C12, C13	1165532
2	22uF	2.5mm	electrolyth	C20, C21	1165527
2	47uF	2.5mm	electrolyth	C5, C6	1165523
1	3300uF 6.3V		electrolyth	C7	2113082
Resistors					
2	ferrite bead			R42, R43	9341145
1	10		0.25W through-hole	R3	9341145
1	51		0.25W through-hole	R12	9342044
1	150		0.25W through-hole	R48	9341315
4	330		0.25W through-hole	R7, R25, R26, R44	9341730
2	1K2		0.25W through-hole	R1, R2	9341226
4	1K6		0.25W through-hole	R30, R31, R40, R41	9341382
2	3K3		0.25W through-hole	R36, R37	9341749
2	4K7		0.25W through-hole	R33, R39	9341951
1	4K99		0.25W through-hole	R46	9468722
2	6K04		0.25W through-hole	R11, R14	9469745
4	10K		0.25W through-hole	R28, R45, R49, R50	9341110
3	12K		0.25W through-hole	R16, R17, R20	9341234
7	20K		0.25W through-hole	R4, R5, R6, R9,	9341498

				R15, R23, R24	
2	22K		0.25W through-hole	R32, R38	9341544
1	28K7		0.25W through-hole	R8	9466606
1	30K		0.25W through-hole	R27	9341706
1	100K		0.25W through-hole	R29	9341129
2	180K		0.25W through-hole	R34, R35	9341455
1	300K		0.25W through-hole	R13	9341714
2	806K		0.25W through-hole	R18, R19	9470190
2	1M6		0.25W through-hole	R21, R22	9465545
1	2M		0.25W through-hole	R10	9466878
1	8M2		0.25W through-hole	R47	9470492
Trimpots					
1	50K			T1	9355375
Potentiometers					
4	25K_lin	9mm PC mount		H, HM, LM, L	Smallbear 1012A
1	1K_revlog	9mm		MIC_GAIN	
3	50K_log	9mm		MOD_LEVEL, CAR_LEVEL, OUT_LEVEL	
1	100K_lin	9mm		COMPRESSION	
Switches					
3		DPDT on-on	Sub-miniature	S1, S2, S3	9473068 Smallbear 0223
Other					
1	Euro power connector right angle			SV1	1929107
1	Samtec connector	6-pin	ESQ-106-13-G-S		1769276
3	Jack 3.5mm	PC-mount	Erthenvar or Kobiconn	MOD_LINE_IN, CAR_IN, OUT	Erthenvar Kobiconn at Mouser 16PJ138
1	Jack 6.3mm				1192839
1	XLR connector				1390116
4	Spacer 10mm				1466826
4	Spacer 12mm				1466845

	Buy in Tayda. http://www.taydaelectronics.com/stackable-header-6-pins-2-54mm.html http://www.taydaelectronics.com/potentiometer-variable-resistors/rotary-potentiometer/anti-log-reverse/c1k-ohm-taper-potentiometer-round-shaft-pcb-9mm.html http://www.taydaelectronics.com/potentiometer-variable-resistors/rotary-potentiometer/logarithmic/50k-ohm-logarithmic-taper-potentiometer-round-shaft-pcb-9mm.html http://www.taydaelectronics.com/potentiometer-variable-resistors/rotary-potentiometer/linear/25k-ohm-linear-taper-potentiometer-round-shaft-pcb-9mm.html http://www.taydaelectronics.com/potentiometer-variable-resistors/rotary-potentiometer/linear/100k-ohm-linear-taper-potentiometer-round-shaft-pcb-9mm.html
	Included in Mouser cart
	Included in kit
	THAT chips