

L-1 SYNTH

TUBE VCA – Parts list.

Items marked green are already installed or are included

Qty	Value	Package	Comments	Parts	Farnell code
IC's					
1	LM358	DIL08		IC2	1564329
1	OPA2604	DIL08	TL072 for low buget	IC1	1097431 1106015
Diodes					
2	1N4004	Through-hole	or 1N4007	D11, D12	1843708
Capacitors					
4	22p	1206	Ceramic	C1, C5, C6, C8	1800833
4	0.1uF	1206	Ceramic, power decoupling caps	C11, C12, C13, C14	1759361
1	0.1uF	5mm	film	C7	1166036
2	0.47uF	5mm	film	C2, C4	1166041
2	22uF	2.5mm	electrolyth	C9, C10	9451390
1	47uF	2.5mm	electrolyth	C3	9451404
Resistors					
2	10 Ohm or ferrite bead	0.25W through-hole		R20, R23	9339035
1	330	1206		R10	2078998
1	750 0.5W (1K 0.5W for 15V 1576629)	1206	Or use two 1K5 0.25W in parallel (one on one)	R5	2079002
2	1K	1206		R8, R21	2079001
2	2K2	1206		R4, R9	2079003
1	10K	1206		R16	2079007
3	20K	1206		R1, R2, R3	1469993
1	33K	1206		R7	2079012
6	100K	1206		R6, R12, R13, R14, R17, R19	2079015
2	220K	1206		R15, R18	2079017
Trimpots					
2	100K		CV, CLEAN	T1, T3	9353194
1	1M		DIST	T2	9353208
Potentiometers					
1	50K_lin	9mm PC mount		CV1_LEVEL	Smallbear 1012A Tayda A-1858
3	50K_log	9mm		IN1_LEVEL IN2_LEVEL GAIN	Smallbear 1012A Tayda A-1660
Switches					
1	FEEDBACK	SPDT on-on	Sub-miniature	S1	9473041
1	CLEAN/DIST	SPDT on-on	Sub-miniature	S2	Smallbear 0222
Other					
1	Euro power connector			SV1	1928436
4	Jack 3,5mm	PC-mount	Erthenvar or Kobiconn	IN1, IN2, CV1, OUT	Mouser Kobiconn 16PJ138 Thonk Thonkiconn Erthenvar Erthenvar
4	Spacer 12mm				1466845

4	Knobs		Synth pointer #2		Thonk KNOB SynthTech Smallbear 0808D
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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/>