

L-1 SYNTH

QUAD VCA/MIXER – Parts list.

Items marked green are already installed or are included

Qty	Value	Package	Comments	Parts	Farnell code
IC's					
2	TL074	DIL14		IC3, IC4	1564329
4	OPA2604	DIL08	TL072 for low budget	IC1, IC2, IC5, IC6	1097431 1106015
4	THAT2180	SIP8		U1, U2, U3, U4	1354167
2	THAT300P	DIL14		Q1, Q2	1354175
Diodes					
2	1N4004	Through-hole	or 1N4007	D1, D2	1843708
Capacitors					
8	22p	1206	Ceramic	C101, C103, C201, C203, C301, C303, C401, C403	1800833
4	100p	1206	Ceramic	C102, C202, C302, C402	1414704
16	0.1uF	1206	Ceramic, power decoupling caps	C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C14, C16, C18, C19, C20, C22	1759361
2	22uF	2.5mm	electrolyth	C1, C2	9451498
Resistors					
2	10 Ohm or ferrite bead	0.25W through-hole		R19, R20	9339035
4	150	1206		R111, R211, R311, R411	2078996
7	330	1206		R11, R14, R18, R105, R205, R305, R405	2078998
8	2K	1206		R107, R110, R207, R210, R307, R310, R407, R410	1469985
4	2K tempco	0805	or install regular 2K 1206	R109, R209, R309, R409	1174317
4	3K9	1206		R103, R203, R303, R403	1100206
15	10K	1206		R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R12, R13, R15, R16, R17	2079007
8	20K	1206		R102, R104, R202, R204, R302, R304, R402, R404	1469993
4	43K	1206		R101, R201, R301, R401	1100235
4	100K	1206		R106, R206, R306, R406	2079015
4	150K	1206		R108, R208, R308, R408	2079016
4	220K	1206		R112, R212, R312, R412	2079017

Trim pots					
4	50K		GAIN	T1, T2, T3, T4	9353305
Potentiometers					
4	50K_lin	9mm PC mount			Smallbear 1012A Tayda A-1858
Other					
1	Euro power connector			SV1	1928436
15	Jack 3,5mm	PC-mount	Erthenvar or Kobiconn		Farnell 1280747 Mouser Kobiconn 16PJ138 Thonk Thonkiconn Erthenvar Erthenvar
4	Spacer 12mm				1466845
4	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/>