

## L-1 SYNTH

### AC/DC MIXER - Parts list

Items marked green are already installed or are included

Qty	Value	Package	Comments	Parts	Farnell code
<b>IC's</b>					
4	TL072	DIL08	OP270 - luxury	IC1, IC2, IC3, IC4	<a href="#">1106015</a> <a href="#">9604723</a>
<b>Diodes</b>					
2	1N4004	Through-hole	or 1N4007	D1, D2	<a href="#">1843708</a>
4	LED	3mm		D3, D4, D5, D6	<a href="#">1208885</a>
<b>Capacitors</b>					
8	22p	1206	Ceramic	C1, C2, C3, C4, C5, C6, C7, C8	<a href="#">1800833</a>
8	0.1 uF	1206	Ceramic, power decoupling caps	C9, C10, C11, C12, C13, C14, C15, C16	<a href="#">1759361</a>
4	1 uF	5mm	Film	C19, C20, C21, C22	<a href="#">1166043</a>
2	10uF	2.5mm	Electrolyth	C17, C18	<a href="#">1902996</a>
<b>Resistors</b>					
2	10 Ohm or ferrite bead	0.25W through-hole	BEAD	R22, R23	<a href="#">9339035</a>
4	330	1206		R17, R18, R19, R20	<a href="#">2078998</a>
1	2K			R34	<a href="#">1469985</a>
1	3K	1206		R35	<a href="#">1100203</a>
2	3K3	1206		R32, R33	
13	10K	1206		R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R21	<a href="#">2079007</a>
4	22K	1206		R1, R2, R3, R4	<a href="#">2079011</a>
8	100K	1206		R24, R25, R26, R27, R28, R29, R30, R31	<a href="#">2079015</a>
<b>Trimpots</b>					
4	10K			T1, T2, T3, T4	<a href="#">9353186</a>
<b>Potentiometers</b>					
4	50K_lin	15mm	Alpha clear shaft	P1, P2, P3, P4	Smallbear <a href="#">1012D</a>
<b>Switches</b>					
2	DPDT on-on		Sub-miniature	S1, S2	<a href="#">9473068</a> Smallbear <a href="#">0223</a>
<b>Other</b>					
1	Euro power connector			SV1	<a href="#">1928436</a>
8	Jack 3,5mm	PC-mount	Erthenvar or Kobiconn	IN1, IN2, IN3, IN4, OUT1+2, OUT3+4, SUM_OUT+, SUM_OUT-	Farnell <a href="#">1280747</a> Mouser Kobiconn <a href="#">16PJ138</a> Thonk <a href="#">Thonkiconn</a> Erthenvar <a href="#">Erthenvar</a>
4	Spacer 12mm				<a href="#">1466845</a>
4	Knobs		Synth pointer #2		Thonk <a href="#">KNOB_SynthTech</a> Smallbear <a href="#">0808D</a>

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/>