

## L-1 SYNTH

### STEREO MIXER PCB 1 – Parts list.

Items marked green are already installed or are included

Qty	Value	Package	Comments	Parts	Farnell code
<b>IC's</b>					
1	TL072	DIL08		IC12	<a href="#">1106015</a>
1	OPA2604	DIL08		IC21	<a href="#">1097431</a>
2	LM3915	DIL18		U\$13, U\$14	<a href="#">1468965</a>
<b>Diodes</b>					
2	1N4004	Through-hole	or 1N4007	D25, D26	<a href="#">1843708</a>
4	1N4148	1206		D21, D22, D23, D24	<a href="#">8150214</a>
16	LED	3mm	green	D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20	<a href="#">1208845</a>
4	LED	3mm	red	D1, D2, D3, D4	<a href="#">1208885</a>
<b>Capacitors</b>					
2	100n	5mm	film	C67, C68	<a href="#">1650969</a>
4	0.1uF	1206	Ceramic, power decoupling caps	C63, C64, C65, C66	<a href="#">1759361</a>
2	1uF	1.5mm	electrolyth	C1, C2	<a href="#">1871015</a>
2	470uF	5mm	electrolyth	C3, C4	<a href="#">1800650</a>
<b>Resistors</b>					
2	ferrite bead	through-hole		R1, R2	<a href="#">1781253</a>
4	330	1206		R13, R14, R33, R34	<a href="#">2078998</a>
10	1K	1206		R16, R29, R30, R58, R59, R60, R61, R62, R113, R114	<a href="#">2079001</a>
1	3K	1206		R3	<a href="#">1100203</a>
2	4K99	1206		R9, R10	<a href="#">1470015</a>
2	10K	1206		R11, R12	<a href="#">2079007</a>
2	100K	1206		R30, R37	<a href="#">2079015</a>
<b>Trim pots</b>					
5	50K		LEV1, LEV2, LEV3, LEV4, LEVOUT	T1, T2, T3, T4, T5	<a href="#">9353305</a>
<b>Potentiometers</b>					
9	50K_lin	9mm PC mount		LEV1, LEV2, LEV3, LEV4, PAN1, PAN2, PAN3, PAN4, OUT	Thonk <a href="#">VERTICAL: B50K</a> Smallbear <a href="#">1012A</a> Tayda <a href="#">A-1858</a> <a href="#">Erthenvar</a>
<b>Other</b>					
1	Euro power connector angled			SV7	<a href="#">1929106</a>
2	Receptacle 16-way	2.54mm, vertical	Samtec BCS-108-L-D-TE	SV3, SV5	Farnell <a href="#">2308428</a> Samtec <a href="#">BCS-108-L-D-TE</a>
15	Jack 3,5mm	PC-mount	Erthenvar or Kobiconn		Farnell <a href="#">1280747</a> Mouser Kobiconn

					<a href="#">16PJ138</a> Thonk <a href="#">Thonkiconn</a> Erthenvar <a href="#">Erthenvar</a>
1	Jack 3,5mm stereo		Lumberg		<a href="#">1200144</a>
4	<a href="#">Spacer 10mm</a>	<a href="#">Male-Female</a>			<a href="#">1466826</a>
4	<a href="#">Spacer 5mm</a>	<a href="#">Male-Female</a>			<a href="#">1466735</a>
8	Knobs 16mm		Synth pointer #2		Thonk <a href="#">KNOB SynthTech</a> Smallbear <a href="#">0808D</a>
1	Knob 27mm		Boss style		Tayda <a href="#">A-1006</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/>