

L-1 SYNTH

Unity Stereo Mixer – Parts list.

Items marked green are already installed or are included

Qty	Value	Package	Comments	Parts	Farnell code
IC's					
2	OPA2604	DIL08	TL072 for low budget	IC1, IC2	1097431 1106015
1	TL072	DIL08		IC3	1106015
2	LM3915	DIL18		IC4, IC5	1468965
Diodes					
2	1N4004	Through-hole	or 1N4007	D1, D2	1843708
4	1N4148	Through-hole		D3, D5, D4, D6	1651088
16	LED	3mm	green		1208845
4	LED	3mm	red		1208885
Capacitors					
4	22p	1206	Ceramic	C5, C6, C7, C8	1800833
4	0.1uF	1206	Ceramic, power decoupling caps	C9, C10, C11, C12	1759361
2	1uF	2mm	electrolyth	C3, C4	1871015
2	47uF	2.5mm	electrolyth	C1, C2	8766738
Resistors					
2	ferrite bead	through-hole		R1, R2	1781253
2	330	1206		R32, R36	2078998
2	1K	1206		R37, R38	2079001
2	4K99	1206		R7, R10	1470015
22	20K	1206		R4, R8, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R33	1469993
2	100K	1206	LEDs brightness between LEDs ones	R5, R6	2079015
Other					
1	Euro power connector			SV1	1928436
24	Jack 3,5mm	PC-mount	Erthenvar or Kobiconn		Thonk Thonkiconn Erthenvar Erthenvar Mouser Kobiconn 16PJ138
4	Spacer 12mm				1466845

Hex nuts and washers from Erthenvar:

<http://erthenvar.com/store/accessories/3.5mm-washers>

<http://erthenvar.com/store/accessories/3.5mm-hex-nuts>

Hex nuts and washers from Thonk:

<http://www.thonk.co.uk/shop/jack-nuts-and-washers/>