

L-1 SYNTH

Mutant Cure VCF – Parts list.

Items marked green are already installed or are included

Qty	Value	Package	Comments	Parts	Farnell code
IC's					
1	TL072	DIL08		IC3	1106015
1	OPA604	DIL08		IC6	1651885
3	OPA2604	DIL08		IC1, IC2, IC4	1097431
2	DG413	DIL16		U1, U2	1077124
Vactrols					
2	VTL5C3/2	VTL5C/2		LDR1, LDR2	2159764 Thonk VTL5C3/2 Smallbear 2516
Diodes					
2	1N4004	Through-hole	or 1N4007	D1, D2	1843708
Transistors					
2	2N3904	TO92		T1, T3	1700648
1	2N3906	TO92		T2	1574372
Capacitors					
6	0.1uF	1206	Ceramic, power decoupling caps	C11, C13, C14, C16, C18, C19	1759361
3	22p	1206		C15, C21, C24	1800833
1	100p	1206		C12	1414704
2	560p	5mm	film	C9, C10	
2	2.2nF	5mm	film	C3, C4	
2	2.7nF	5mm	film	C1, C2	
2	10nF	5mm	film	C2, C4	
4	47uF	2.5mm	electrolyth	C5, C6, C7, C8	8766738
Resistors					
2	ferrite bead	through-hole		R1, R2	1781253
2	330	1206		R28, R32	2078994
4	1K	1206		R5, R12, R14, R25	2079001
2	4K7	1206		R18, R6	
9	10K	1206		R7, R8, R17, R19, R20, R21, R26, R29, R30	2079007
5	20K	1206		R3, R4, R24, R27, R31	1469993
2	43K	1206		R9, R10	1100235
3	100K	1206		R11, R13, R16	2079015
1	470K	1206		R23	2139655
Trim pots					
1	1K		V/OCT	R15	9353178
1	100K		OFFSET	R22	9353194
Potentiometers					
3	50K_lin	9mm PC mount		P3, P4, P1	Thonk VERTICAL: B50K Smallbear 1012A
1	5K_lin	9mm PC mount	RESO	P2	Tayda A-1858 Erthenvar
Switches					
1	MODE	SPDT on-on	Sub-miniature	S1	9473041

					Smallbear 0222
Other					
1	Euro power connector			SV1	1928436
8	Jack 3,5mm	PC-mount	Erthenvar or Kobiconn		Thonk Thonkiconn Erthenvar Erthenvar Mouser Kobiconn 16PJ138
4	Spacer 12mm				1466845
4	Knobs 16mm		Synth pointer #2		Thonk KNOB_SynthTech Smallbear 0808D

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/>