

DIY POLIVOKSish VCF

PCB: ERICA SYNTHS www.ericasynts.lv

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BOM

RESISTORS

R1	4k7	1
R15	3k	1
R16	39k	1
R29	470ohm	1
R17,R19,R21	47k	3
R18,R23	1k	2
R2,R3,R6,R9,R11,R12	10K	6
R20,R22,R24,R25	110k	4
R26,R26,R27,R28	56K	4
R4,R5,R8, R14	100k	4

CAPACITORS

C9 - C14	100nF	6	Ceramic (decoupling capacitors, not on the schematic)
C5, C8	47μ	2	Electrolytic, at least 16V
C1	10μ	1	Non polarized electrolytic, at least 16V
C4	22μ	1	Electrolytic, at least 16V
C2,C3	4,7μ	2	Electrolytic, at least 16V

POTS

P1, P2, P3, P4	B100k	4	LIN curve
P5	A100k	1	LOG curve
VR1	50k	1	Single turn trimpot

SEMICONDUCTORS

T2	KT315G	1	Comes with the kit
OP1	TL074	1	
OP2	TL072	1	
OP3, OP4	K140UD12	2	Come with the kit
D1,D2,D3,D4,D5,D6,D7,D8	1N4148	8	

OTHERS

J1 - J4		4	3,5 mm jacks
S1		1	LP/BP toggle switch
Ferrite beads		2	May be replaced by 20 Ohm resistors