

DIY_Polivoks_VCA_controls_v2

Erica Synths DIY VCA

Controls Board
V2_1 January 2017

Id	Designator	Package	Quantity	Value	Supplier and ref
1	R58,R57,R6,R5,R4,R3	R_W4_THT	6	10k	5%, 250mW
2	R39,R49,R60	R_W4_THT	3	470ohm	5%, 250mW
3	R59,R56,R55,R53,R52,R48,R38,R54	R_W4_THT	8	100k	5%, 250mW
4	R1,R2	RD901F	2	B100k	Alpha potentiometer
5	C5,C6,C18,C22	C-5mm	4	0.1uF	ceramic capacitor
6	C1,C2,C15,C19,C23	CE63x25_NP	5	10uFx25V	non polarized electrolytic capacitor
7	C3,C4	CE63x25	2	47uFx25V	electrolytic capacitor
8	C17	CE63x25	1	10uFx25V	electrolytic capacitor
9	VD12,VD16,VD15,VD14,VD13,VD11,VD10,VD9,VD8,VD7,VD6,VD5,VD4,VD3	DO-35	14	1N4148	
10	VD1,VD2	DO-41	2	1N4001	10V positive LDO
11	DA4	TO-92	1	78L10	
12	L1,L2	R0125W	2	ferrite beads	
13	VR1,VR2	RB090-30	2	resettable fuse	
14	XP1	IDC-10MS	1	2x5 pin PSU connector	Thonkiconn jacks
15	XS1,XS2,XS3,XS4,XS5,XS6,XS11	WQP-PJ301M-12	7	3,5mm mono jacks	
16	XS7,XS8,XS9,XS10	PBS-8	4	1x8 pin female connectors	come with a kit
17	SW1	2MSxT1B5M2RE	1	miniature SPDT switch	SPDT switch, Farnell

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Main Board
V2_1 January 2017

Id	Designator	Package	Quantity	Value	Supplier and ref
1	C7,C8,C9,C10,C20,C21,C11,C12	C-5mm	8	0.1uF	ceramic capacitor
2	C13,C14,C16	CE63x25	3	10uFx25V	electrolytic capacitor
3	R30,R46,R47,R51	R_W4_THT	4	56k	
4	R45,R28	R_W4_THT	2	24k	
5	R44,R43,R27,R26	R_W4_THT	4	200ohm	
6	R42,R41,R36,R33,R25,R24,R13,R12	R_W4_THT	8	100k	
7	R40,R35,R17,R16,R11,R50	R_W4_THT	6	10k	
8	R37,R29,R8,R7	R_W4_THT	4	NU	
9	R34	R_W4_THT	1	6.2k	
10	R32	R_W4_THT	1	20k	
11	R31	R_W4_THT	1	13k	
12	R23,R22	R_W4_THT	2	0ohm	
13	R15,R14	R_W4_THT	2	68k	
14	R10,R9	R_W4_THT	2	1k	
15	R18,R19,R20,R21	RKT6V	4	10k	single turn trimpot
16	DA1	DIP-14	1	TL074	
17	DA2,DA6	DIP-8_Socket	2	TL072	
18	DA3,DA5	DIP-14	2	K118UD1B	come with a kit
19	VT1	TO-92-M	1	2N3904	
20	XP2,XP3,XP4,XP5	PLS-8	4	1x8 male connectors	come with a kit

[Mouser shopping cart \(excludes jacks and potentiometers\)](#)