

## DIY\_Polivoks\_EG\_v2\_1

### Erica Synths DIY Envelope Generator

V2\_2, January 2017

Id	Designator	Package	Quantity	Value	Supplier and ref
1	C3,C4,C5,C6	C-5mm	4	0.1uF	cermic capacitor
2	C1,C2	CE63x25	2	47uFx25V	electrolytic capacitor
3	C7	CE63x25	1	4.7uFx16V	electrolytic capacitor
4	R2,R3,R5	RD901F	3	A1M	<a href="#">Alpha potentiometer</a>
5	R18	RD901F	1	B100k	<a href="#">Alpha potentiometer</a>
6	R1,R6,R33,R34,R39	R_W4_THT	5	10k	5%, 250mW
7	R21	R_W4_THT	1	470k	5%, 250mW
8	R4,R51	R_W4_THT	2	560k	5%, 250mW
9	R7,R8,R9	R_W4_THT	3	200ohm	5%, 250mW
10	43,R45,R47,R48,R52,R53	R_W4_THT	13	100k	5%, 250mW
11	R11,R12,R15	R_W4_THT	3	20k	5%, 250mW
12	R16,R17	R_W4_THT	2	5.1k	5%, 250mW
13	R22	R_W4_THT	1	150k	5%, 250mW
14	R24,R36,R42	R_W4_THT	3	47k	5%, 250mW
15	R25	R_W4_THT	1	2.7k	5%, 250mW
16	R26	R_W4_THT	1	15k	5%, 250mW
17	R28,R31,R44	R_W4_THT	3	470ohm	5%, 250mW
18	R29,R30	R_W4_THT	2	33k	5%, 250mW
19	R32	R_W4_THT	1	39k	5%, 250mW
20	R35	R_W4_THT	1	1M	5%, 250mW
21	R37	R_W4_THT	1	1.8k	5%, 250mW
22	R38*	R_W4_THT	1	2.7k	5%, 250mW
23	R40	R_W4_THT	1	22k	5%, 250mW
24	R49,R50	R_W4_THT	2	56k	5%, 250mW
25	R54	R_W4_THT	1	220k	5%, 250mW
26	R46,R55	R_W4_THT	2	3.3k	5%, 250mW
27	VD3,VD4	DO-41	2	1N4001	
28	,VD8,VD11,VD12,VD14,VD15	DO-35	12	1N4148	
29	VD13,VD16	LED-3MM	2		yellow and red
30	DA1	DIP-14	1	TL074	
31	VT1,VT3,VT5,VT6,VT8,VT9	TO-92-M	6	2N3904	
32	VT4,VT2,VT7	TO-92-M	3	2N3906	
33	VR1,VR2	RB090-30	2	Resettable fuse	
34	L1,L2	R0125W	2	ferrite bead	
35	SW1	2MDxT1B5M2RE	1	2MDxT1B5M2RE	<a href="#">DPDT switch, Farnell</a>
36	XP1	IDC-10MS	1	2x5 PSU connector	
37	XS1,XS2,XS3,XS4	WQP-PJ301M-12	4	WQP-PJ301M-12	<a href="#">Thonkiconn jacks</a>

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

\*R38 has be 2.7k in order to increase EG looping stability