

Erica Synths DIY BBD DELAY

Main Board

v2.0 Sept. 2018

Id	Designator	Package	Quantity	Designation	Supplier and ref
1	C7,C8,C11,C14,C16,C23,C25,C31,C35	C-5mm	9	0.1uF	
2	C12	CE63x25	1	10uFx25V	
3	DA2	DIP-14	1	TL074	
4	DA4	DIP-14	1	CD4011BE	
5	DA5	TO-92	1	LM317L	
6	DD1	DIP-14	1	V3205SD/MN3205	comes with a kit
7	DD2	DIP-8	1	V3102/MN3102	comes with a kit
8	R7	RKT6V	1	10k	single turn trimpot
9	R8	RKT6V	1	100k	single turn trimpot
10	VT1,VT2	TO-92-M	2	2N3904	
11	C15	CE63x25	1	22uFx25V	
12	C19	C-5mm	1	2.2nF	
13	C20,C34	C-5mm	2	1.0nF	
14	C21,C29,C30	CE63x25	3	3.3uFx16V	
15	C36	C-5mm	1	220pF	
16	C37	C-5mm	1	47pF	
17	VD22,VD23,VD24,VD29,VD30	DO-35	5	1N4148	
18	XP2,XP3	PLS-10	2	PLS-10_MALE	comes with a kit
19	R10	R_W4_THT	1	3.9k	
20	R11,R21,R39,R42,R49	R_W4_THT	5	100k	
21	R13	R_W4_THT	1	8.2k	
22	R14,R38,R41,R70	R_W4_THT	4	5.6k	
23	R15,R16,R22	R_W4_THT	3	15k	
24	R17	R_W4_THT	1	1k	
25	R18	R_W4_THT	1	22k	
26	R47,R66,R75,R77	R_W4_THT	4	3.3k	
27	R48,R51,R55,R58,R65	R_W4_THT	5	33k	
28	R54,R61,R76	R_W4_THT	3	56k	
29	R62	R_W4_THT	1	2.2k	
30	R63,R64	R_W4_THT	2	NU	not used
31	R69	R_W4_THT	1	560ohm	
31	DA1, DA4, DD1	DIP-14	3	DIP-14 Socket	
31	DD2	DIP-8	1	DIP-8 Socket	

PCB: DIYBBD1M

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Controls Board
v2.0 Sept. 2018

Id	Designator	Package	Quantity	Designation	Supplier and ref
1	C1,C2	CE63x25	2	47uFx25V	
2	C3,C4,C5,C6,C9,C10	C-5mm	6	0.1uF	
3	DA1	DIP-14	1	TL074	
4	DA3	DIP-8	1	TL072	
5	L1,L2	R0125W	2	100uH	ferrite bead
6	R1,R3,R4,R6	RD901F	4	B100k	Alpha potentiometer
7	R5	RD901F	1	A100k	Alpha potentiometer
8	R2	RD901F	1	B250k	Alpha potentiometer
9	SW1,SW2	2MSxT1B5M2RE	2	2MS3T1B5M2RE	SPDT On-Off-On switch
10	VD1	LED-3MM	1	LED-3mm	Yellow LED
11	VD7,VD10	LED-3MM	2	LED-3mm	Red LED
12	VD2,VD3	DO-41	2	1N4001	
14	VR1,VR2	RB090-30	2	ERF-RB-090-30	Resettable fuse
15	VT3	TO-92-M	1	2N3904	
16	XP1	IDC-10MS	1	IDC-10MS	
17	XS1,XS2,XS3,XS4,XS5,XS6,XS7	WQP-PJ301M-12	7	3,5mm mono jacks	Thonkiconn jacks
18	C17,C18,C32,C33,C13	CE63x25_NP	5	10uFx25V	non polarized
19	C22	C-5mm	1	22nF	
20	C24	C-5mm	1	10nF	
21	C26	C-5mm	1	5.6nF	
22	C27	C-5mm	1	680pF	
23	C28	C-5mm	1	220pF	
24	VD4,VD5,VD6,VD8,VD9,VD11,VD12,VD13,VD14,VD15,VD16,VD17,VD18,VD19,VD20,VD21,VD25,VD26,VD27,VD28	DO-35	20	1N4148	
25	SW3	2MDxT1B5M2RE	1	2MD3T1B5M2RE	DPDT On-Off-On Switch
26	XS8,XS9	PBS-10	2	PBS-10_FEMALE	comes with a kit
27	R9,R23,R28,R29,R30,R33,R34,R67,R68	R_W4_THT	9	100k	
28	R12,R20,R32,R35,R40,R52,R59,R60,R72	R_W4_THT	10	10k	
29	R19,R37,R44,R50,R56,R57,R71	R_W4_THT	7	NU	not used
30	R24	R_W4_THT	1	56k	
31	R25,R43,R45,R46,R53,R78,R79	R_W4_THT	7	33k	
32	R26,R27,R36,R73,R74	R_W4_THT	5	470ohm	
33	R31	R_W4_THT	1	4.7k	
34	DA1	DIP-14	1	DIP-14 Socket	
35	DA3	DIP-8	1	DIP-8 Socket	

PCB: DIYBBD1C

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