Erica Synths DIY Bassline
Main Board
v1.0, June 2018

Id	Designator	Package	Quantity	Designation	Supplier and ref
1	R22,R36	R_W4_THT_Vert	2	1M	5%, 250mW
2	R24	RKT6V	1	10k	single turn trimpot
3	XP2,XP3	PLS-20	2	PLS-20_MALE	comes with a kit
4	C4,C35	C-5mm	2	10nF	ceramic capacitor
5	C7,C8,C12,C15,C16,C17,C18,C19,C20,C23,C24, C25,C26,C27,C28,C29,C31,C41,C49, C52,C58, C59	C-5mm	22	0.1uF	ceramic capacitor
6	C11,C32,C39,C55,C47,C21,C22,C34,C48,C50	CE63x25	10	10uFx25V	electrolytic capacitor
7	C30	C_RM5	1	1nF Film	film capacitor
8	C36,C40	CE63x25	2	5.6uFx25V	electrolytic capacitor
9	C37,C42,C45	C-5mm	3	220nF	ceramic capacitor
10	C38	CE63x25	1	1uFx25V	electrolytic capacitor
11	C43,C44	C-5mm	2	8.2nF	ceramic capacitor
12	DA1,DA4,DA5,DA6	DIP-14_Socket	4	TL074	
13	DA7	DIP-8_Socket	1	TL072	
14	DA8,DA9	301.8-2_Gvozdik	2	K140UD12	comes with a kit
15	DA11	DIP-16_Socket	1	LM13700N	
16	DA12	TO-92	1	LM337LZ/NOPB	
17	R140	RKT6V	1	1k	single turn trimpot
18	VD11,VD14,VD17,VD18,VD19,VD20,VD21,VD22, VD29,VD30	DO-35	10	1N4148	
19	VT1,VT3,VT4,VT7,VT8,VT12	TO-92-M	6	2N3904	
20	VT5,VT6,VT11	TO-92-M	3	2N3906	
21	VT9	TO-92	1	J175	
22	DA10	DIP-16_Socket	1	CEM3340	comes with a kit
23	JP1	PLD-3-JMP	1	JMP-PLD-3	jumper
24	C51,C56,C57,C53,C54	CE63x25_NP	5	10uFx16V	non polarized
25	R17,R18,R19,R94	R_W4_THT	4	100k	1%, 250mW
26	R20,R54	R_W4_THT	2	470	5%, 250mW
27	R21,R25,R52,R53,R68,R129,R136,R144, R154,R41,R40,R43,R117,R62	R_W4_THT	14	NU	not used
28	R23	R_W4_THT	1	220	5%, 250mW
29	R26,R29,R85,R96,R110,R126,R151,R42,R44	R_W4_THT	9	10k	5%, 250mW
30	R27	R_W4_THT	1	4.7k	5%, 250mW
31	R28,R84,R102,R65	R_W4_THT	4	22k	5%, 250mW
32	R33	R_W4_THT	1	24k	5%, 250mW
33	R34	R_W4_THT	1	5.6k	5%, 250mW
34	R35,R103,R134,R146	R_W4_THT	4	1k	5%, 250mW
35	R46	R_W4_THT	1	1.8k	1%, 250mW
36	R48,R69,R73,R74,R76,R83,R88,R91,R101, R104,R130,R132,R30,R31,R113,R57	R_W4_THT	16	100k	5%, 250mW
37	R51	R_W4_THT	1	360k	5%, 250mW
38	R55	R_W4_THT	1	1.5M	5%, 250mW
39	R70	R_W4_THT	1	56k	5%, 250mW
40	R71,R78,R90	R_W4_THT	3	2.2k	5%, 250mW
41	R86,R87,R116,R137,R174,R175,R66,R156	R_W4_THT	8	33k	5%, 250mW
42	R89,R92,R93,R95,R97,R98,R99,R131,R133, R171,R173,R115,R118	R_W4_THT	13	33k	1%, 250mW
43	R100,R109	R_W4_THT	2	2k	5%, 250mW
44	R111	R_W4_THT	1	10k	1%, 250mW
45	R114	R_W4_THT	1	15k	1%, 250mW
46	R119,R143	R_W4_THT	2	330k	5%, 250mW
47	R120,R167,R168,R170	R_W4_THT	4	220k	5%, 250mW
48	R121,R122,R124,R138,R155	R_W4_THT	5	150k	1%, 250mW
49	R123	R_W4_THT	1	470k	1%, 250mW
50	R125,R145	R_W4_THT	2	5.1k	1%, 250mW

Id	Designator	Package	Quantity	Designation	Supplier and ref
51	R127,R128,R152,R153	R_W4_THT	4	510	1%, 250mW
52	R135	R_W4_THT	1	560k	5%, 250mW
53	R139	R_W4_THT	1	2.7k	5%, 250mW
54	R141	R_W4_THT	1	6.8k	5%, 250mW
55	R142	R_W4_THT	1	39k	1%, 250mW
56	R147,R149,R163	R_W4_THT	3	47k	1%, 250mW
57	R148,R166	R_W4_THT	2	1k	1%, 250mW
58	R158,R169	R_W4_THT	2	110k	1%, 250mW
59	R172	R_W4_THT	1	5.6k	1%, 250mW
60	R39	R_W4_THT	1	39k	5%, 250mW
61	XP4	PLS-10	1	PLS-10_MALE	comes with a kit
62	R157	R_W4_THT	1	68k	5%, 250mW

PCB: DIYBASS1M

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Controls Board
v1.0, June 2018

Id	Designator	Package	Quantity	Designation	Supplier and ref
1	VD23,VD26,VD3,VD4,VD5,VD6,VD9,VD10,VD12, VD13,VD15,VD16, VD24,VD25,VD27,VD28	DO-35	16	1N4148	
2	R1,R4,R5,R6	RD901F	4	B100k	[Alpha potentiometer](#)
3	R7,R2,R3	RD901F	3	B10k	[Alpha potentiometer](#)
4	R8	RD901F	1	B250k	[Alpha potentiometer](#)
5	R9	RD902F	1	B250k	[Alpha potentiometer](#)
6	R10	R_TRIM_T93YAx	1	10k	multiturn trimpot
7	SW1	2MSxT1B5M2RE	1	2MSP1T1B5M2RE	[SPDT ON-ON switch](#)
8	SW2	2MSxT1B5M2RE	1	2MSP3T1B5M2RE	[SPDT ON-OFF-ON switch](#)
9	XP1	IDC-10MS	1	IDC-10MS	
10	XS1,XS2,XS3,XS4,XS5,XS6,XS7,XS8	WQP-PJ301M-12	8	3,5mm mono jacks	[Thonkiconn jacks](#)
11	XS9,XS10	PBS-20	2	PBS-20_FEMALE	comes with a kit
12	C1,C5,C6,C9,C10,C13,C14,C33,C46	C-5mm	9	0.1uF	ceramic capacitor
13	C2,C3	CE63x25	2	47uFx25V	electrolytic capacitor
14	DA2,DA3	DIP-14_Socket	2	TL074	
15	L1,L2	R0125W	2	100uH	ferrite bead
16	VD1,VD2	LED-3MM	2	LED-R	red
17	VR1,VR2	RB090-30	2	ERF-RB-090-30	Resettable fuse
18	VT2	TO-92-M	1	2N3904	
19	VT10	TO-92-M	1	2N3906	
20	VD7,VD8	DO-41	2	1N4001	
21	R11,R37,R58,R161,R162,R79,R150	R_W4_THT	7	100k	5%, 250mW
22	R105,R108,R67,R72	R_W4_THT	4	560k	5%, 250mW
23	R106,R107,R159,R50,R75,R77,R80	R_W4_THT	7	NU	not used
24	R112,R63	R_W4_THT	2	3.3k	5%, 250mW
25	R164,R165,R160	R_W4_THT	3	470	5%, 250mW
26	R12	R_W4_THT	1	1.5M	5%, 250mW
27	R13	R_W4_THT	1	1M	5%, 250mW
28	R14	R_W4_THT	1	1k	5%, 250mW
29	XS11	PBS-10	1	PBS-10_FEMALE	comes with a kit
30	R16,R82,R38,R47,R60,R81,R15	R_W4_THT	7	10k	5%, 250mW
31	R45,R61	R_W4_THT	2	56k	5%, 250mW
32	R49	R_W4_THT	1	10M	5%, 250mW
33	R56	R_W4_THT	1	330k	5%, 250mW
34	R59	R_W4_THT	1	2.2k	5%, 250mW
35	R64	R_W4_THT	1	2.2M	5%, 250mW

PCB:DIYBASS1C

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