

	VALUE	PCB	Qty	FARNELL	MOUSER	BANZAI	SIZE		NOTES
RESISTORS									
1	10R	R37, R38, R39, R42	4	1765144	271-10-RC		PITCH 10MM	1/4W MF 1%	
2	22R	RFS1, RFS2, RFS3, RFS4, RFS5, RFS6	6	1833332	271-22-RC		PITCH 10MM	1/4W MF 1%	
3	68R	R25, R26	2	2324480	271-68-RC		PITCH 10MM	1/4W MF 1%	
4	100R	R27, R28, R29, R30, R31, R32, R33, R34	8	1537710	271-100-RC		PITCH 10MM	1/4W MF 1%	
5	200R	R1, R2, R3, R4	4	1861641	271-200-RC		PITCH 10MM	1/4W MF 1%	
6	392R	R_LA-6, R_LB-6, R_LC-6, R_LD-6, R_RA-6, R_RB-6, R_RC-6, R_RD-6	8	5404150	271-392-RC		PITCH 10MM	1/4W MF 1%	
7	500R	R13, R14	2	1878528	271-499-RC		PITCH 10MM	1/4W MF 1%	
8	680R	R_LD-15, R_LD-16, R_RD-15, R_RD-16	4	9469630	271-680-RC		PITCH 10MM	1/4W MF 1%	
9	1K13	R_LB-15, R_LB-16, R_RB-15, R_RB-16	4	9465227	271-1.13K-RC		PITCH 10MM	1/4W MF 1%	
10	1K6	R_LA-11, R_LA-12, R_LB-11, RLB-12, R_LC-11, R_LC-12, R_LD-11, R_LD-12, R_RA-11, R_RA-12, R_RB-11, R_RB-12, R_RC-11, R_RC-12, R_RD-11, R_RD-12	16	2329892	271-1.6K-RC		PITCH 10MM	1/4W MF 1%	
11	3K	R_LE-2, R_LE-3, R_RE-2, R_RE-3	4	1833338	271-3.0K-RC		PITCH 10MM	1/4W MF 1%	
12	4K7	R_LA-1, R_LA-2, R_LB-1, R_LB-2, R_LC-1, R_LC-2, R_LD-1, R_LD-2, R_RA-1, R_RA-2, R_RB-1, R_RB-2, R_RC-1, R_RC-2, R_RD-1, R_RD-2	16	1099979	271-4.7K-RC		PITCH 10MM	1/4W MF 1%	
13	10K	R23, R24,	2	1765143	271-10K-RC		PITCH 10MM	1/4W MF 1%	
14	11K	R_LE-5, R_RE-5	2	1878841	271-11K-RC		PITCH 10MM	1/4W MF 1%	
15	11K5	R_LA-3, R_LB-3, R_LC-3, R_LD-3, R_RA-3, R_RB-3, R_RC-3, R_RD-3	8	2329999	271-11.5K-RC		PITCH 10MM	1/4W MF 1%	
16	15K	R_LE-7, R_RE-7	2	1853418	271-15K-RC		PITCH 10MM	1/4W MF 1%	
17	16K2	R11, R12	2	4984663	271-16.2K-RC		PITCH 10MM	1/4W MF 1%	
18	17K4	R_LE-4, R_RE-4	2	9500588	271-17.4K-RC		PITCH 10MM	1/4W MF 1%	
19	20K	R19, R20, R21, R22, R_LA-9, R_LB-9, R_LC-9, R_LD-9, R_RA-9, R_RB-9, R_RC-9, R_RD-9,	12	1862228	271-20K-RC		PITCH 10MM	1/4W MF 1%	
20	26.1K	R_LA-15, R_LB-14, R_LC-14, R_LD-14, R_RA-15, R_RB-14, R_RC-14, R_RD-14,	8	9466436	271-26.1K-RC		PITCH 10MM	1/4W MF 1%	
21	30K9	R_LA-10, R_LB-10, R_LC-10, R_LD-10, R_RA-10, R_RB-10, R_RC-10, R_RD-10	8	9467190	271-30.9K-RC		PITCH 10MM	1/4W MF 1%	
22	36K5	R_LA-5, R_LB-5, R_LC-5, R_LD-5, R_RA-5, R_RB-5, R_RC-5, R_RD-5	8	2330117	271-36.5K-RC		PITCH 10MM	1/4W MF 1%	
23	38K3	R_LE-6, R_RE-6	2	9467653	271-38.3K-RC		PITCH 10MM	1/4W MF 1%	
24	55K	R_LA-4, R_LB-4, R_LC-4, R_LD-4, R_RA-4, R_RB-4, R_RC-4, R_RD-4	8	9469001	271-54.9K-RC		PITCH 10MM	1/4W MF 1%	
25	62K	R_LA-14, R_LB-13, R_LC-13, R_LD-13, R_RA-14, R_RB-13, R_RC-13, R_RD-13	8	9469486	271-62K-RC		PITCH 10MM	1/4W MF 1%	
26	100K	R15, R16, R17, R18	4	1765145	271-100K-RC		PITCH 10MM	1/4W MF 1%	
27	1M	R5, R6, R7, R8, R9, R10, R_LA-7, R_LA-8, R_LA-13, R_LB-7, R_LB-8, R_LC-7, R_LC-8, R_LD-7, R_LD-8, R_LE-1, R_RA-7, R_RA-8, R_RA-13, R_RB-7, R_RB-8, R_RC-7, R_RC-8, R_RD-7, R_RD-8, R_RE-1	26	1765141	271-1.0M-RC		PITCH 10MM	1/4W MF 1%	
28	2M	R35, R36	2	4984754	660-MF1/4CCT52R2004F		PITCH 10MM	1/4W MF 1%	
29	2K7	LEDs	13	1099972	660-MF1/4DCT52R2701F		PITCH 10MM	1/4W MF 1%	
DIODES									
30	1N4004	D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15	11	1651084	512-1N4004				
31	1N5400	D1, D2, D3, D4	4	1458988	821-1N5400				
CERAMIC CAPACITORS									
32	0.1uF	C3, C4, C7, C8, C11, C12, C15, C16, C21, C22, C23, C24, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68	50	2112909	594-K104M15X7RF53L2		PITCH 2.5MM	50V	
SILVER MICA									
33	5pF	C_LA-3, C_LB-3, C_LC-3, C_LD-3, C_LE-3, C_RA-3, C_RB-3, C_RC-3, C_RD-3, C_RE-3	10	1610981	598-CD5CC050CO3F	30592	PITCH 2.5MM		
34	12pF	C_L3, C_R3	2	1610938	598-CD15CD120JO3F	30603	PITCH 7.5MM		
FILM CAPACITORS									
35	100pF	C_LD-4, C_RD-4	2	9520660	R73UI0100SE03K		PITCH 10MM		optional - use Styroflex
36	330pF	C_LB-4, C_LC-4, C_RB-4, C_RC-4	4	9520759	R73UI0330SE03J		PITCH 10MM		optional - use Styroflex
37	2n7F	C_LE-1, C_LE-2, C_RE-1, C_RE-2	4	9520511	539-160272J1000C-F		PITCH 10-15MM		
38	3n3F	C_LA-4, C_RA-4	2	9520139	539-160332K1000C-F		PITCH 10MM		
39	0.15uF	C_LD-5, C_RD-5	2	1413812	594-2222-373-53154		PITCH 10-15MM		
40	0.22uF	C_L1, C_R1	2	2098449	871-B32529C1224K289		PITCH 5MM		
41	0.47uF	C_LB-5, C_LC-5, C_RB-5, C_RC-5	4	9752862	594-2222-373-41474	27258	PITCH 10-15MM		
42	1uF	C_LA-2, C_LB-1, C_LB-2, C_LC-1, C_LC-2, C_LD-1, C_LD-2, C_LE-4, C_RA-2, C_RB-1, C_RB-2, C_RC-1, C_RC-2, C_RD-1, C_RD-2, C_RE-4	16	9752773	80-PHE426HB7100JR06	23598	PITCH 10-15MM		
43	2u2F	C_L4, C_R4, C_LA-1, C_RA-1	4	9752692	75-MKT1822522064		PITCH 10-15MM		
44	4u7F	C_LA-5, C_RA-5	2	1200761	871-B32524Q3475K	27263	PITCH 15, 22, 27.5 MM		
ELECTROLYTIC CAPACITORS									
45	33uF	C_LA-6, C_LB-6, C_LC-6, C_LD-6, C_RA-6, C_RB-6, C_RC-6, C_RD-6	8	1823819	647-UFG1V330MEM		DIAM 8MM PITCH 3.5MM	35V	AUDIO
46	47uF	C_L2, C_R2, C_R5, C_R6, C_L5, C_L6	6	1823815	647-UFG1V470MPM		DIAM 8MM PITCH 3.5MM	35V	AUDIO
47	100uF	C5, C6, C13, C14	4	1800677	667-EEU-FR1H101		DIAM 8MM PITCH 3.5MM	35V	LOW ESSR
48	220uF	C9, C10, C17, C18, C19, C20, C25, C26, C29, C30	10	1219481	667-EEU-FM1H221		DIAM 8MM PITCH 3.5MM	35V	LOW ESSR
49	4700uF	C1, C2	2	1686961	647-UVZ1J472MRD		DIAM 35MM PITCH 10MM	50-63V	LOW ESSR
IC									
50	THAT 1240	IC_6, IC_7	2	1354130	887-1240P08-U		DIP8		
51	THAT 1246	IC_1, IC_2, IC_4	3	1354147	887-1246P08-U		DIP8		
52	THAT 1646	IC_8, IC_9	2	1354158	887-1646P08-U		DIP8		
53	OPA604	IC_3	1	1651885	595-OPA604APG4	23931	DIP8		
54	OPA2604	IC_5, IC_LA, IC_LB, IC_LC, IC_LD, IC_LE, IC_RA, IC_RB, IC_RC, IC_RD, IC_RE	11	1097431	595-OPA2604AP	16778	DIP8		
55	IC SOCKETS	IC_1, IC_2, IC_3, IC_4, IC_5, IC_6, IC_7, IC_8, IC_9, IC_LA, IC_LB, IC_LC, IC_LD, IC_LE, IC_RA, IC_RB, IC_RC, IC_RD, IC_RE	19	1351428	575-144308		DIP8		
DOA									
56	990	DOA1, DOA2	2					24V	HAIRBALL DOA 990
57	DOA SOCKETS		12	149318	855-H3161-01				
RELAYS									
58	DPDT 24VDC 1A	LBYP_IN, LBYP_OUT, RBYP_IN, RBYP_OUT, L/MS_IN, L/MS_OUT, R/MS_IN, R/MS_OUT	8	9949879	653-G5V-2-H1-DC24	24240			
JUMPERS									
59	2 pin	JP1, JP2, JP3, JP4	4				PITCH 2.54MM		Included in KIT
TRIMPOTS									
60	1K	MSTRIM	1	9353178	652-3296W-1-102			MULTI TURN	
61	5K	+18V_TRIM, +24V_TRIM, -18V_TRIM, -24V_TRIM	4	2113002	72-T93YA-5K			MULTI TURN	
VOLTAGE REGULATORS									
62	LM337TS	U2, U4	2	2102581	512-LM317T				
63	LM317TS	U1, U3	2	1211104	863-LM337TG				
64	HEATSINK	U1, U2, U4, U3	4	1850834	532-531302B25				
MOLEX HEADER									
65	2 PIN	LED, LA_SHELF, RA_SHELF	3	1462926	538-22-23-2021		PITCH 2.54MM		
66	3 PIN	IN_LEFT, OUT_LEFT, IN_RIGHT, OUT_RIGHT, LA_1X/BYP/2X, LA_SHAPE, LB_1X/BYP/2X, LB_SHAPE, LC_1X/BYP/2X, LC_SHAPE, LD_1X/BYP/2X, LD_SHAPE, LE_1X/BYP/2X, RA_1X/BYP/2X, RA_SHAPE, RB_1X/BYP/2X, RB_SHAPE, RC_1X/BYP/2X, RC_SHAPE, RD_1X/BYP/2X, RD_SHAPE, RE_1X/BYP/2X,	22	1462950	538-22-23-2031		PITCH 2.54MM		
67	4 PIN	LA_FREQ, LA_GAIN, LB_FREQ, LB_GAIN, LC_FREQ, LC_GAIN, LD_FREQ, LD_GAIN, LE_FREQ, LE_GAIN, LR/BYP/MS, RA_FREQ, RA_GAIN, RB_FREQ, RB_GAIN, RC_FREQ, RC_GAIN, RD_FREQ, RD_GAIN, RE_FREQ, RE_GAIN	21	1462920	538-22-23-2041		PITCH 2.54MM		
68	5 PIN	JE_SHAPE, RE_SHAPE	2	1462952	538-22-23-2051		PITCH 2.54MM		
MOLEX CRIMP HOUSING									
69	2 PIN	LED, LA_SHELF, RA_SHELF	3	1462825	538-22-01-2027				
70	3 PIN	IN_LEFT, OUT_LEFT, IN_RIGHT, OUT_RIGHT, LA_1X/BYP/2X, LA_SHAPE, LB_1X/BYP/2X, LB_SHAPE, LC_1X/BYP/2X, LC_SHAPE, LD_1X/BYP/2X, LD_SHAPE, LE_1X/BYP/2X, RA_1X/BYP/2X, RA_SHAPE, RB_1X/BYP/2X, RB_SHAPE, RC_1X/BYP/2X, RC_SHAPE, RD_1X/BYP/2X, RD_SHAPE, RE_1X/BYP/2X,	22	1462838	538-22-01-2037				
71	4 PIN	LA_FREQ, LA_GAIN, LB_FREQ, LB_GAIN, LC_FREQ, LC_GAIN, LD_FREQ, LD_GAIN, LE_FREQ, LE_GAIN, LR/BYP/MS, RA_FREQ, RA_GAIN, RB_FREQ, RB_GAIN, RC_FREQ, RC_GAIN, RD_FREQ, RD_GAIN, RE_FREQ, RE_GAIN	21	143128	538-22-01-2045				
72	5 PIN	JE_SHAPE, RE_SHAPE	2	146256	538-22-01-2055				
73	Solder Terminals		160	1462641	538-08-50-0114				
XLRs									
74	XLR MALE	OUT_LEFT, OUT_RIGHT	2	1390131	568-NC3MD-LX	26422			Neutrik D series
75	XLR FEMALE	IN_LEFT, IN_RIGHT	2	1390116	568-NC3FD-LX	26420			Neutrik D series
POWER									
76	Terminal Block 2WAY	XFRM	2	1716993	651-1985881		PITCH 5MM		
77	IEC INLET		1	2080343	693-6200.4330	24514			
78	FUSE DRAWER		1	1162737					Need just for Farnell IEC
79	FUSE 315 mA		1		693-0034.3112		5 x 20MM		

FRONT PANEL									
	VALUE	Qty		FARNELL	MOUSER	BANZAI			
RESISTORS									
1	316	8		9467246	660-MF1/4DC3160F		PITCH 10MM	1/4W MF 1%	
2	365	4		9467548	660-MF1/4DC3650F		PITCH 10MM	1/4W MF 1%	
3	374	4		9467602	660-MF1/4DC3740F		PITCH 10MM	1/4W MF 1%	
4	430	12		1099882	271-430-RC		PITCH 10MM	1/4W MF 1%	
5	464	4		9468420	660-MF1/4DC4640F		PITCH 10MM	1/4W MF 1%	
6	499	80		1536340	660-MF1/4DCT52R4990F		PITCH 10MM	1/4W MF 1%	
7	510	4		9468838	660-MF1/4DC5100F		PITCH 10MM	1/4W MF 1%	
8	549	4		9468994	660-MF1/4DC5490F		PITCH 10MM	1/4W MF 1%	
9	560	8		9469036	660-MF1/4DC5600F		PITCH 10MM	1/4W MF 1%	
10	576	4		9469117	660-MF1/4DC5760F		PITCH 10MM	1/4W MF 1%	
11	619	4		9469435	660-MF1/4DCT52R6190F		PITCH 10MM	1/4W MF 1%	
12	680	4		9469630	660-MF1/4DCT52R6800F		PITCH 10MM	1/4W MF 1%	
13	715	4		9469907	660-MF1/4DCT52R7150F		PITCH 10MM	1/4W MF 1%	
14	732	16		9469940	660-MF1/4DC7320F		PITCH 10MM	1/4W MF 1%	
15	750	4		1099890	660-MF1/4DC7500F		PITCH 10MM	1/4W MF 1%	
16	820	16		1099891	660-MF1/4DCT52R8200F		PITCH 10MM	1/4W MF 1%	
17	845	4		9470328	660-MF1/4DC8450F		PITCH 10MM	1/4W MF 1%	
18	910	4		9470581	271-910-RC		PITCH 10MM	1/4W MF 1%	
19	931	4		9470620	660-MF1/4DCT52R9310F		PITCH 10MM	1/4W MF 1%	
20	1K1	4		9465219	660-MF1/4DC1101F		PITCH 10MM	1/4W MF 1%	
21	1K15	4		9465235	660-MF1/4DCT52R1151F		PITCH 10MM	1/4W MF 1%	
22	1K18	8		9465243	660-MF1/4DCT52R1181F		PITCH 10MM	1/4W MF 1%	
23	1K2	4		9465251	660-MF1/4DCT52R1201F		PITCH 10MM	1/4W MF 1%	
24	1K24	8		9465278	660-MF1/4DCT52R1241F		PITCH 10MM	1/4W MF 1%	
25	1K27	4		9465286	660-MF1/4DCT52R1271F		PITCH 10MM	1/4W MF 1%	
26	1K3	8		9465294	660-MF1/4DCT52R1301F		PITCH 10MM	1/4W MF 1%	
27	1K4	20		9465324	660-MF1/4DCT52R1401F		PITCH 10MM	1/4W MF 1%	
28	1K54	4		9465367	660-MF1/4D52R1541F		PITCH 10MM	1/4W MF 1%	
29	1K74	8		9465421	660-MF1/4DCT52R1741F		PITCH 10MM	1/4W MF 1%	
30	1K78	20		9465430	660-MF1/4DCT52R1781F		PITCH 10MM	1/4W MF 1%	
31	1K8	12		9465448	660-MF1/4DC1801F		PITCH 10MM	1/4W MF 1%	
32	1K82	8		9465839	660-MF1/4DCT52R1821F		PITCH 10MM	1/4W MF 1%	
33	1K91	4		9465472	660-MF1/4DCT52R1911F		PITCH 10MM	1/4W MF 1%	
34	1K96	12		9465480	660-MF1/4DCT52R1961F		PITCH 10MM	1/4W MF 1%	
35	2K	40		9466673	660-MF1/4DCT52R2001F		PITCH 10MM	1/4W MF 1%	
36	2K26	8		9466975	660-MF1/4CCT52R2261F		PITCH 10MM	1/4W MF 1%	
37	2K32	8		9466746	660-MF1/4DCT52R2321F		PITCH 10MM	1/4W MF 1%	
38	2K43	20		9466770	660-MF1/4DCT52R2431F		PITCH 10MM	1/4W MF 1%	
39	2K61	4		9466800	660-MF1/4DCT52R2611F		PITCH 10MM	1/4W MF 1%	
40	2K7	32		1099972	660-MF1/4DCT52R2701F		PITCH 10MM	1/4W MF 1%	
41	2K74	4		9466835	660-MF1/4DCT52R2741F		PITCH 10MM	1/4W MF 1%	
42	2K8	4		9466843	660-MF1/4DCT52R2801F		PITCH 10MM	1/4W MF 1%	
43	2K87	20		9466851	660-MF1/4D52R2871F		PITCH 10MM	1/4W MF 1%	
44	3K09	20		9467777	660-MF1/4DCT52R3091F		PITCH 10MM	1/4W MF 1%	
45	3K16	4		9467793	660-MF1/4DCT52R3161F		PITCH 10MM	1/4W MF 1%	
46	3K3	20		9467823	660-MF1/4DCT52R3301F		PITCH 10MM	1/4W MF 1%	
47	3K4	28		9467840	660-MF1/4DCT52R3401F		PITCH 10MM	1/4W MF 1%	
48	3K48	4		9467858	660-MF1/4DCT52R3481F		PITCH 10MM	1/4W MF 1%	
49	3K83	8		9467904	660-MF1/4DCT52R3831F		PITCH 10MM	1/4W MF 1%	
50	4K12	8		9468625	660-MF1/4DCT52R4121F		PITCH 10MM	1/4W MF 1%	
51	4k22	4		9468633			PITCH 10MM	1/4W MF 1%	
52	4K32	8		9468650	660-MF1/4DCT52R4321F		PITCH 10MM	1/4W MF 1%	
53	4K42	12		9468668	660-MF1/4DCT52R4421F		PITCH 10MM	1/4W MF 1%	
54	4K53	4		9468676	660-MF1/4DCT52R4531F		PITCH 10MM	1/4W MF 1%	
55	4K99	4		9468722	660-MF1/4DC4991F		PITCH 10MM	1/4W MF 1%	
56	5K23	8		9469206	660-MF1/4DC5231F		PITCH 10MM	1/4W MF 1%	
57	5K9	4		9469265	660-MF1/4DCT52R5901F		PITCH 10MM	1/4W MF 1%	
58	6K2	4		1099983	660-MF1/4DCT52R6201F		PITCH 10MM	1/4W MF 1%	
59	6K49	8		9469788	660-MF1/4DCT52R6491F		PITCH 10MM	1/4W MF 1%	
60	6K65	4		9469796	660-MF1/4DC6651F		PITCH 10MM	1/4W MF 1%	
61	6K8	8		1099984	660-MF1/4DC6801F		PITCH 10MM	1/4W MF 1%	
62	7K15	4		9470093	660-MF1/4DCT52R7151F		PITCH 10MM	1/4W MF 1%	
63	7K5	4		9470115	660-MF1/4DCT52R7501F		PITCH 10MM	1/4W MF 1%	
64	7K87	4		9470131	660-MF1/4DCT52R7871F		PITCH 10MM	1/4W MF 1%	
65	8K06	8		9470433	660-MF1/4DCT52R8061F		PITCH 10MM	1/4W MF 1%	
66	8K25	4		9470450	660-MF1/4DCT52R8251F		PITCH 10MM	1/4W MF 1%	
67	8K45	4		9470468	660-MF1/4DCT52R8451F		PITCH 10MM	1/4W MF 1%	
68	8K66	4		9470476	660-MF1/4DC8661F		PITCH 10MM	1/4W MF 1%	
69	9K09	8		9470743	660-MF1/4DCT52R9091F		PITCH 10MM	1/4W MF 1%	
70	11K8	4		9464174	660-MF1/4DCT52R1182F		PITCH 10MM	1/4W MF 1%	
71	13K	12		1099992	660-MF1/4DCT52R1302F		PITCH 10MM	1/4W MF 1%	
72	14K7	8		9464581	660-MF1/4DCT52R1472F		PITCH 10MM	1/4W MF 1%	
ROTARY SWITCHES									
73	1 POLE 12 STEP	6	MF1 Shape, MF2 Shape, MF3 Shape, HF Shape,	1123699					
74	2 POLE 12 STEP	2	LF SHAPE			20274			Grayhill, Banzai
75	1 POLE 24 STEP	10	GAIN						Uraltone, Elma
76	2 POLE 24 STEP	10	FREQUENCY						Uraltone, Elma
TOGGLE SWITCHES									
77	SPDT ON ON	12	POWER, MS/LR, 1X/BYP/2X,	9473378					Small Miyama
78	DPDT ON ON	14	BAND IN/OUT,HF SHELF, LEFT IN, RIGHT IN	9473394		16265			Small Miyama
LEDS									
79	BLUE LED	10	BAND IN/OUT				DIAMETER 3MM		
80	RED LED	3	POWER, LEFT IN, RIGHT IN				DIAMETER 3MM		
KNOBS									
81	SMALL KNOBS	8	SHAPE				12-15MM		RS 467-2435
82	BIG KNOBS	20	GAIN, FREQ			20586	25-28MM		

BOM UPDATE HISTORY

[illegible]