

DR-PQ5 V.1.1 MAIN BOARD

MAIN BOARD

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	499R	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	271-2.0M-RC		PITCH 10MM	1/4W MF 1%	
29	20K	LEDs			13	1862228	271-20K-RC		PITCH 10MM	1/4W MF 1%	Change LED brightness
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	863-1N5400G				
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-CDA15CD050DO3F	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	505-FKP3100/630/10		PITCH 10MM		optional - use Styroflex or Silver Mica
36	330pF	C_LB-4, C_LC-4, C_RB-4, C_RC-4			4	9520759	505-FKP3330/630/5		PITCH 10MM		optional - use Styroflex or Silver Mica
37	2n7F	C_LE-1, C_LE-2, C_RE-1, C_RE-2			4	9520511	667-ECW-H16272JV		PITCH 10-15MM		optional - use Styroflex or Silver Mica
38	3n3F	C_LA-4, C_RA-4			2	9520139	505-FKP33300/630/5		PITCH 10MM		optional - use Styroflex or Silver Mica
39	0.15uF	C_LD-5, C_RD-5			2	1413812	667-ECW-FA2J154JQ		PITCH 10-15MM		
40	0.22uF	C_L1, C_R1			2	2098449	505-MKP20.22/100/5		PITCH 5MM		
41	0.47uF	C_LB-5, C_LC-5, C_RB-5, C_RC-5			4	9752862	667-ECW-FA2J474J	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	667-ECW-FD2W225K		PITCH 10-15MM		
44	4u7F	C_LA-5, C_RA-5			2	1200761	505-MKP44.7/250/10	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	710-691101710002		PITCH 5MM		
77	IEC INLET				1	2080276	693-6200.2100	24514			
78	FUSE 315 mA				1		693-0034.3112		5 x 20MM		

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	499R	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	271-2.0M-RC		PITCH 10MM	1/4W MF 1%	
29	20K	LEDs	13	1862228	271-20K-RC		PITCH 10MM	1/4W MF 1%	Change LED brightness

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	863-1N5400G				

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	
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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-CDA15CD050DO3F	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	505-FKP3100/630/10		PITCH 10MM		optional - use Styroflex or Silver Mica
36	330pF	C_LB-4, C_LC-4, C_RB-4, C_RC-4	4	9520759	505-FKP3330/630/5		PITCH 10MM		optional - use Styroflex or Silver Mica
37	2n7F	C_LE-1, C_LE-2, C_RE-1, C_RE-2	4	9520511	667-ECW-H16272JV		PITCH 10-15MM		optional - use Styroflex or Silver Mica
38	3n3F	C_LA-4, C_RA-4	2	9520139	505-FKP33300/630/5		PITCH 10MM		optional - use Styroflex or Silver Mica
39	0.15uF	C_LD-5, C_RD-5	2	1413812	667-ECW-FA2J154JQ		PITCH 10-15MM		
40	0.22uF	C_L1, C_R1	2	2098449	505-MKP20.22/100/5		PITCH 5MM		
41	0.47uF	C_LB-5, C_LC-5, C_RB-5, C_RC-5	4	9752862	667-ECW-FA2J474J	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	667-ECW-FD2W225K		PITCH 10-15MM		
44	4u7F	C_LA-5, C_RA-5	2	1200761	505-MKP44.7/250/10	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			
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JUMPERS

59	2 pin	JP1, JP2, JP3, JP4	4			PITCH 2.54MM		Included in KIT
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RIMPOT:

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

[illegible]

FRONT PANEL									
	VALUE		FARNELL	MOUSER	Qty	BANZAI			
RESISTORS									
	2K7	LEDS	1099972	271-2.7K-RC	13		PITCH 10MM	1/4W MF 1%	
POTENTIOMETRS									
	5K LIN	MF1 Shape, MF2 Shape, MF3 Shape			6				
	5K LIN SWITCH	LF SHAPE			2				
	50K LIN WITH CENTRE GND	GAIN			10	order from	alphastat.de	RD1601LF-20F4-30R-B50K-6C2	uw.kirchhoff@googlemail.com
	DUAL 100K REV LOG	FREQUENCY			10	order from	alphastat.de	RD1602F-20F4-30R-C100K-602	uw.kirchhoff@googlemail.com
TOGGLE SWITCHES									
	SPDT ON ON	POWER, MS/LR	9473378		3				Small Miyama
	DPDT ON ON	HF SHELF, LEFT IN, RIGHT IN	9473394		4	16265			Small Miyama
	DPDT ON OFF ON	1x/BYP/2x			10				
LEDS									
	BLUE LED	BAND IN/OUT			10		DIAMETER 3MM		
	RED LED	POWER, LEFT IN, RIGHT IN			3		DIAMETER 3MM		
KNOBS									
	SMALL KNOBS	SHAPE			8				RS 467-2435
	BIG KNOBS	GAIN, FREQ			20				

BOM UPDATE HISTORY

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