

VISION 908/912 ELECTRICAL PARTS LIST				REV B
S/No.	Part no.	Description	Qty	Location
<b>FIN54503 Vision Insert Limiter Board</b>				
1	FIN54517	INSERT LIMITOR BOARD	1	
2	CAPCR151	CAPACITOR 22PF 50V K% CERAMIC	2	C4 , 10
3	CAPCR201	CAPACITOR 47PF 100V K% CERAMIC	2	C5 , 11
4	CAPCR691	CAPACITOR 47NF 50V 10% BOX POLY	3	C13, 14, 15
5	CAPELK01	CAPACITOR 10UF 35V 5X7 ELECTROLYTIC	6	C1 , 3 , 6 , 7 , 9 , 12
6	CAPELJ71	CAPACITOR 330UF 6.3V ELECTROLYTIC	2	C16, C17
7	CAPPR601	CAPACITOR 0.47UF 63V BOX POLY	2	C2 , 8
8	RESMFA01	RESISTOR 10 OHMS 1/4W 5%	1	R27
9	RESMFB41	RESISTOR 33 OHMS 1/4W 5%	2	R3 , 16
10	RESMFF01	RESISTOR 1K OHMS 1/4W 5%	2	R13 , 26
11	RESMFG21	RESISTOR 3.3K OHMS 1/4W 5%	2	R11 , 24
12	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	2	R12 , 25
13	RESMFJ11	RESISTOR 51K OHMS 1/4W 5%	2	R10 , 23
14	RESMFJ81	RESISTOR 100K OHMS 1/4W 5%	4	R1 , 2 , 14 , 15
15	RESMFR91	RESISTOR 4.7K OHMS 1/4W 5%	4	R8 , 9 , 21 , 22
16	RESMFZV1	RESISTOR 10K OHMS 1/4W 1%	2	R5 , 18
17	RESML781	RESISTOR 1K OHMS 0.6W 1% LR1	2	R4 , 17
18	RESML811	RESISTOR 2K OHMS 0.6W 1% LR1	2	R6 , 19
19	RESML871	RESISTOR 20K OHMS 0.6W 1% LR1	2	R7 , 20
20	SMCDI171	DIODE 1N4148	6	D1 , 2 , 3 , 4 , 5 , 6
21	SMCIC241	IC OPAMP BA4560 (DIP8)	3	IC1 , 2 , 3
22	SMCIC841	OPTO COUPLER NSL 32H-002	2	IC4 , 5
23	CONDCM42	CONNECTOR IDC HEADER 16 WAY VERT	1	CONN1
24	CONDCM72	CONNECTOR IDC HEADER 14 WAY VERT	1	CONN2
25	CONJK151	JACK SOCKET STEREO F/THREAD M203-42	2	J1 , 2
26	HRDCL052	SCREW TERMINAL M3 ANGLED	1	BRKT
27	COND CB42	PCB TAG 4.8X0.8	1	T1
28	SWTSG171	SWITCH 2-POLE MINI PUSH 2P/CS033-20	1	SW1
29	WIRTC002	CU WIRE 22SWG TINNED	0	
<b>FIN54504 Vision Mic Input Board</b>				
1	FIN54518	MONO MIC INPUT PCB	1	
2	CAPCR051	CAPACITOR 10PF 50V 10% CERAMIC	1	C10
3	CAPCR151	CAPACITOR 22PF 50V K% CERAMIC	2	C20 , 25
4	CAPEL091	CAPACITOR 100UF 25V 6.3X11 ELECTROLYTIC	6	C1 , 2 , 11 , 21 , 22 , 26
5	CAPELC41	CAPACITOR 2.2UF 100V 5X11 ELECTROLYTIC	1	C23
6	CAPELG01	CAPACITOR 470UF 6.3V 8X11.5 ELECTROLYTIC	1	C9
7	CAPELJ41	CAPACITOR 47UF 63V 8X11.5 ELECTROLYTIC	2	C6 , 7
8	CAPPR001	CAPACITOR 1NF 100V K% BOX POLY	5	C3 , 4 , 5 , 16 , 19
9	CAPPR041	CAPACITOR 2N2 100V K% BOX POLY	1	C17
10	CAPPR071	CAPACITOR 47NF 100V K% BOX POLY	3	C15 , 27 , 28
11	CAPPR131	CAPACITOR 15NF 100V K% BOX POLY	1	C18
12	CAPPR361	CAPACITOR 220NF 63V K% BOX POLY	1	C13
13	RESMF801	RESISTOR 6.2K OHMS 1/4W 5%	2	R30 , 31
14	RESMFA01	RESISTOR 10 OHMS 1/4W 5%	1	R57
15	RESMFA61	RESISTOR 18 OHMS 1/4W 5%	1	R11
16	RESMFAY1	RESISTOR 3.3K 0.6W 1% LR1	2	R15 , 16
17	RESMFB41	RESISTOR 33 OHMS 1/4W 5%	1	R33
18	RESMFE41	RESISTOR 560 OHMS 1/4W 5%	1	R58
19	RESMFE61	RESISTOR 680 OHMS 1/4W 5%	2	R21 , 26
20	RESMFF01	RESISTOR 1K OHMS 1/4W 5%	4	R19 , 24 , 45 , 56
21	RESMFF41	RESISTOR 1.5K OHMS 1/4W 5%	2	R27 , 28
22	RESMFF81	RESISTOR 2.2K OHMS 1/4W 5%	1	R46
23	RESMFG41	RESISTOR 3.9K OHMS 1/4W 5%	1	R43
24	RESMFG81	RESISTOR 5.6K OHMS 1/4W 5%	4	R18 , 36 , 41 , 44
25	RESMFH01	RESISTOR 6.8K OHMS 1/4W 5%	2	R52 , 53
26	RESMFH21	RESISTOR 8.2K OHMS 1/4W 5%	2	R9 , 14
27	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	3	R23 , 29 , 32
28	RESMFJ21	RESISTOR 56K OHMS 1/4W 5%	4	R17 , 22 , 35 , 40
29	RESMFJ81	RESISTOR 100K OHMS 1/4W 5%	4	R1 , 2 , 34 , 39

30	RESMFL41	RESISTOR 470K OHMS 1/4W 5%	1	R42
31	RESMFM21	RESISTOR 1M OHMS 1/4W 5%	3	R20 , 25 , 38
32	RESMFQ81	RESISTOR 9.1K OHMS 1/4W 5%	2	R3 , 4
33	RESMFR91	RESISTOR 4.7K OHMS 1/4W 5%	5	R47 , 48 , 49 , 50 , 51
34	RESMFY61	RESISTOR 22K OHMS 1/8W 5%	3	R37 , 54 , 55
35	RESMFZU1	RESISTOR 6.8K OHMS 0.6W 1% LR1	2	R5 , 6
36	RESMFZV1	RESISTOR 10K OHMS 0.6W 1% LR1	2	R10 , 12
37	RESML791	RESISTOR 1.2K OHMS 0.6W 1% LR1	2	R7 , 8
38	SMCDI171	DIODE 1N4148	4	D1 , 2 , 3 , 4
39	SMCTR681	TRANSISTOR TBC549C TO92	4	TR3 , 4 , 5 , 6
40	SMCTRB91	TRANSISTOR KTA1268BL TO92	2	TR1 , 2
41	SMCIC241	IC OPAMP BA4560 (DIP8)	2	IC1 , 2
42	RESVR351	POT B10K SINGLE RV16A-20-15K-B14-3027	7	VR1 , 2 , 4 , 5 , 6 , 8 , 9
43	RESVR951	POT C100K DUAL RV16A01-20-15K-C15-3027	1	VR7
44	RESVRH31	POT Y10K SINGLE RV16A-20-15K-Y14-3027	1	VR10
45	RESVS441	FADER MONO B10K 60MM RA6020-10-08B1-B14-02	1	CHANNEL FADER
46	HRDLH162	LED SPACER 4MM	1	FOR LED
47	HRDTG202	XLR GROUNDING LUG #9501004-0	6	
48	SMCLD361	LED TLR-124-KT-RED (3MM)	1	LED1
49	CONDCM52	CONNECTOR IDC HEADER 14 WAY RT/ANG	1	CONN1
50	CONJK261	JACK SOCKET STEREO SP/NOSE CL12342	2	J1, J2
51	CONJK341	XLR FEMALE NC3FPRHO	1	XLR1
52	HRDCB031	GLUE HELERMAN INSULOK T18R / TIES YJ-98	2	
53	HRDCL052	SCREW TERMINAL M3 ANGLED	1	BRKT
54	SWTSG171	SWITCH 2-POLE MINI PUSH 2P/CS033-20	2	SW1 , 2
55	WIRTC002	CU WIRE 22SWG TINNED	0.09	

#### FIN54505 Vision Stereo Input Board

1	FIN54519	STEREO INPUT PCB	1	
2	CAPCR051	CAPACITOR 10PF 50V 10% CERAMIC	1	C10
3	CAPCR151	CAPACITOR 22PF 50V K% CERAMIC	4	C16 , 18 , 22 , 26
4	CAPCR342	CAPACITOR 100NF 50V 10% MLC	1	C32
5	CAPEL091	CAPACITOR 100UF 25V 6.3X11 ELECTROLYTIC	4	C12 , 39 , 40 , 41
6	CAPELC51	CAPACITOR 10UF 63V 5X11 ELECTROLYTIC	1	C1
7	CAPELG01	CAPACITOR 470UF 6.3V 8X11.5 ELECTROLYTIC	5	C9 , 17 , 29 , 33 , 34
8	CAPELJ41	CAPACITOR 47UF 63V 8X11.5 ELECTROLYTIC	2	C6 , 7
9	CAPPR001	CAPACITOR 1NF 100V K% BOX POLY	7	C3 , 4 , 5 , 13 , 15 , 21 , 25
10	CAPPR071	CAPACITOR 47NF 100V K% BOX POLY	4	C27 , 28 , 30 , 31
11	CAPPR131	CAPACITOR 15NF 100V K% BOX POLY	2	C14 , 24
12	CAPPR231	CAPACITOR 100NF 100V K% BOX POLY	2	C11 , 20
13	CAPPR281	CAPACITOR 330NF 100V K% BOX POLY	2	C2 , 19
14	CAPPR601	CAPACITOR 470NF 63V BOX POLY	1	C42
15	RESMF801	RESISTOR 6.2K OHMS 1/4W 5%	2	R60 , 62
16	RESMFA01	RESISTOR 10 OHMS 1/4W 5%	1	R92
17	RESMFAY1	RESISTOR 3.3K 0.6W 1% LR1	2	R15 , 16
18	RESMFB81	RESISTOR 47 OHMS 1/4W 5%	1	R11
19	RESMFE41	RESISTOR 560 OHMS 1/4W 5%	1	R19
20	RESMFE61	RESISTOR 680 OHMS 1/4W 5%	6	R51 , 81 , 82 , 87 , 88 , 89
21	RESMFF01	RESISTOR 1K OHMS 1/4W 5%	9	R1 , 2 , 7 , 8 , 28 , 29 , 56 , 74 , 77
22	RESMFF41	RESISTOR 1.5K OHMS 1/4W 5%	4	R21 , 22 , 36 , 37
23	RESMFF81	RESISTOR 2.2K OHMS 1/4W 5%	2	R73 , 76
24	RESMFG21	RESISTOR 3.3K OHMS 1/4W 5%	6	R47 , 48 , 49 , 50 , 52 , 53
25	RESMFH21	RESISTOR 8.2K OHMS 1/4W 5%	2	R9 , 14
26	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	6	R24 , 26 , ,39 , 41 , 59 , 61
27	RESMFH61	RESISTOR 12K OHMS 1/4W 5%	1	R63
28	RESMFH81	RESISTOR 15K OHMS 1/4W 5%	2	R18 , 33
29	RESMFI01	RESISTOR 18K OHMS 1/4W 5%	4	R23 , 25 , 38 , 40
30	RESMFI81	RESISTOR 39K OHMS 1/4W 5%	4	R54 , 55 , 66 , 67
31	RESMFJ01	RESISTOR 47K OHMS 1/4W 5%	2	R90 , 91
32	RESMFJ21	RESISTOR 56K OHMS 1/4W 5%	2	R4 , 32
33	RESMFJ81	RESISTOR 100K OHMS 1/4W 5%	6	R43 , 44 , 45 , 46 , 69 , ,70
34	RESMFK41	RESISTOR 180K OHMS 1/4W 5%	1	R64
35	RESMFM21	RESISTOR 1M OHMS 1/4W 5%	6	R3 , 17 , 30 , 31 , 65 , 68
36	RESMFM41	RESISTOR 2.2M OHMS 1/4W 5%	1	R71
37	RESMFR91	RESISTOR 4.7K OHMS 1/4W 5%	6	R75 , 78 , 83 , 84 , 85 , 86

38	RESMFZU1	RESISTOR 6.8K OHMS 0.6W 1% LR1	2	R5 , 6
39	RESMFZV1	RESISTOR 10K OHMS 0.6W 1% LR1	2	R10 , 12
40	RESML811	RESISTOR 2K OHMS 0.6W 1% LR1	2	R57 , 58
41	SMCDI171	DIODE 1N4148	7	D1 , 2 , 3 , 4 , 5 , 6 , 7
42	SMCIC241	IC OPAMP BA4560 (DIP8)	6	IC1 , 2 , 3 , 4 , 5 , 6
43	SMCTRB91	TRANSISTOR KTA1268BL TO92	2	TR1 , 2
44	RESVR351	POT B10K SINGLE RV16A-20-15K-B14-3027	3	VR2 , 4 , 5
45	RESVR941	POT B10K DUAL RV16A01-20-15K-B14-3027	4	VR1 , 6 , 7 , 8
46	RESVR951	POT C100K DUAL RV16A01-20-15K-C15-3027	1	VR9
47	RESVRH31	POT Y10K SINGLE RV16A-20-15K-Y14-3027	1	VR10
48	RESVS451	FADER STEREO B10K 60MM RA6024-10-08B1-B14-02	1	CHANNEL FADER
49	HRDLH162	LED SPACER 4MM	1	FOR LED1
50	HRDTG202	XLR GROUNDING LUG #9501004-0	1	
51	SMCLD361	LED TLR-124-KT-RED (3MM)	1	LED1
52	CONJK261	JACK SOCKET STEREO SP/NOSE CL12342	1	J1, J2
53	HRDCB031	GLUE HELERMAN INSULOK T18R / TIES YJ-98	2	
54	CONJK341	XLR FEMALE NC3FPRHO	1	XLR1
55	HRDCL052	SCREW TERMINAL M3 ANGLED	1	FOR BRKT
56	CONDCM52	CONNECTOR IDC HEADER 14 WAY RT/ANG	1	CONN1
57	SWTSG171	SWITCH 2-POLE MINI PUSH 2P/CS033-20	2	SW1 , 2
58	WIRTC002	CU WIRE 22SWG TINNED	0.02	

#### FIN54506 Vision Processor Board

1	FIN54520	PROCESSOR PCB	1	
2	CAPCR061	CAPACITOR 33PF 50V K% CERAMIC	2	C1 , 2
3	CAPCR342	CAPACITOR 100NF 50V 10% MLC	15	C8 , 9 , 10 , 11 , 12 , 13 , 14 , 15, 16, 17, 18, 20, 21, 22, 23
4	CAPELC51	CAPACITOR 10UF 50V 5X11 ELECTROLYTIC	1	C5
5	CAPELG01	CAPACITOR 470UF 6.3V 8X11.5 ELECTROLYTIC	1	C25
6	CAPELH01	CAPACITOR 33UF 35V 5X11 ELECTROLYTIC	2	C7 , 19
7	CAPPR001	CAPACITOR 1NF 100V K% BOX POLY	1	C24
8	CAPPR071	CAPACITOR 47NF 100V K% BOX POLY	2	C3 , 6
9	CLKRS001	RESONATOR 12MHZ	1	RES1
10	RESFS011	RESISTOR 18 OHMS 1/4W 5% FUSIBLE	1	R9
11	RESMF981	RESISTOR 5.6 OHMS 1/4W 5%	1	R18
12	RESMFAY1	RESISTOR 3.3K 1/4W 1%	1	R15
13	RESMFB41	RESISTOR 33 OHMS 1/4W 5%	1	R11
14	RESMFF41	RESISTOR 1.5K OHMS 1/4W 5%	1	R17
15	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	2	R4 , 19
16	RESMFI01	RESISTOR 18K OHMS 1/4W 5%	1	R7
17	RESMFJ01	RESISTOR 47K OHMS 1/4W 5%	1	R10
18	RESML841	RESISTOR 8.2K OHMS 0.6W 1% LR1	1	R12
19	RESML851	RESISTOR 12K OHMS 0.6W 1% LR1	1	R14
20	RESML881	RESISTOR 27K OHMS 0.6W 1% LR1	1	R8
21	RESMLA61	RESISTOR 4.7K OHMS 0.6W 1% LR1	2	R1 , 16
22	RESMLA81	RESISTOR 5.6K OHMS 0.6W 1% LR1	1	R13
23	RESMLA91	RESISTOR 11K OHMS 0.6W 1% LR1	2	R2 , 3
24	RESMLB31	RESISTOR 680 OHMS 0.6W 5% LR1	2	D2 , 4
25	HRDCB031	GLUE HELERMAN INSULOK T18R/TIES YJ-98	2	
26	RESSL011	RESISTOR PACK 47KX8 (SIP9)	2	RP2 , 3
27	RESSL041	RESISTOR PACK 4K7X8 (SIP9)	1	RP1
28	RESSL051	RESISTOR PACK 100KX8 (SIP9)	4	RP4 , 5 , 6 , 7
29	SMCDI171	DIODE 1N4148	1	D1
30	SMCZN171	DIODE ZENER 9.1V 1W3	2	D3 , 5
31	SMCZN231	DIODE ZENER 6.2V 1W3	1	D6
32	CONSCU31	OPTION JUMPER 2.5MM	2	
33	CONSCU61	IC SOCKET PS-8 DIP	4	FOR IC
34	CONSCU81	IC SOCKET PA-40 DIP	1	FOR IC
35	CONSCV01	IC SOCKET PS-28 DIP	1	FOR IC
36	CONSCV51	IC SOCKET PS-20 DIP	11	FOR IC
37	SMCDD011	FUTABA DISPLAY 16-SY-09G	1	DISP1
38	SMCIC241	IC OPAMP BA4560 (DIP8)	1	IC12
39	SMCIC601	IC CM05 74HC138 (DIP20)	1	IC7
40	SMCIC611	IC CMOS 74HC541 (DIP20)	2	IC5 , 6
41	SMCIC621	IC CMOS 74HC573 (DIP20)	1	IC2

42	SMCIC631	IC CMOS 74HC574 (DIP20)	8	IC8 , 9 , 10 , 11 , 13 , 14, 15, 16
43	SMCIC641	IC PROCESSOR 80C31 - 12MHZ (DIP40)	1	IC1
44	SMCIC651	IC EEPROM 24C02 (DIP8)	1	IC4
45	SMCIC661	IC EPROM M27C256B (DIP28)	1	IC3
46	SMCTR831	TRANSISTOR TIP30C (TO220)	1	TR2
47	SMCTR861	TRANSISTOR DTA114TS (TO92)	31	TR3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11, 12, 13, 14, 15 , 16 , 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33
48	SMCTRC11	TRANSISTOR TBC559B PNP (TO92)	4	TR34 , 36 , 38 , 40
49	SMCTRC21	TRANSISTOR TBC 549B NPN (TO92)	2	TR35 , 37
50	CONDCM22	CONNECTOR IDC HEADER 34 WAY RT/ANG	1	CONN1
51	CONDCM32	CONNECTOR IDC HEADER 16 WAY RT/ANG	1	CONN2
52	CONDCP02	CONNECTOR IDC HEADER 10 WAY RT/ANG	1	CONN4
53	CONDCJ01	CONNECTOR 2.5 MM HEADER M24185-5	1	CONN3

#### FIN54507 Vision Graphic Board

1	FIN545A1	GRAPHIC PCB	1	
2	CAPCR151	CAPACITOR 22PF 50V K% CERAMIC	2	C61 , 64
3	CAPCR171	CAPACITOR 100PF 50V 10% CERAMIC	2	C15 , 31
4	CAPCR612	CAPACITOR 100NF 50V 10% MLC	1	C52
5	CAPELG11	CAPACITOR 4.7UF 50V 5X11 ELECTROLYTIC	2	C8 , 24
6	CAPELG61	CAPACITOR 2.2UF 50V 6X11 ELECTROLYTIC	2	C10 , 26
7	CAPELJ31	CAPACITOR 3.3UF 63V 4X5 ELECTROLYTIC	2	C3 , 19
8	CAPELK01	CAPACITOR 10UF 35V 5X7 ELECTROLYTIC	4	C1 , 17 , 33 , 34
9	CAPELK11	CAPACITOR 1UF 50V 4X7 ELECTROLYTIC	2	C12 , 28
10	CAPELK21	CAPACITOR 33UF 35V 6.3X7 ELECTROLYTIC	2	C4 , 20
11	CAPELK31	CAPACITOR 100UF 16V 6.3X7 ELECTROLYTIC	5	C2 , 16 , 18 , 32 , 63
12	CAPELL81	CAPACITOR 15UF 35V 5X9 ELECTROLYTIC	2	C6 , 22
13	CAPPR001	CAPACITOR 1NF 100V K% BOX POLY	4	C35 , 36 , 44 , 45
14	CAPPR071	CAPACITOR 47NF 100V K% BOX POLY	10	C13 , 29 , 38 , 53 , 54 , 55 , 56 , 57 , 58 , 62
15	CAPPR111	CAPACITOR 6.8NF 100V K% BOX POLY	1	C43
16	CAPPR131	CAPACITOR 15NF 100V K% BOX POLY	2	C42 , 47
17	CAPPR181	CAPACITOR 33NF 100V K% BOX POLY	1	C46
18	CAPPR361	CAPACITOR 220NF 63V K% BOX POLY	2	C9 , 25
19	CAPPR601	CAPACITOR 470NF 63V K% BOX POLY	4	C7 , 14 , 23 , 30
20	CAPPR711	CAPACITOR 100NF 63V J% BOX POLY	2	C11 , 27
21	CAPTN001	CAPACITOR 1.5UF 35V TANTALUM BEAD	2	C5 , 21
22	RESMFA01	RESISTOR 10 OHMS 1/4W 5%	2	R128 , 145
23	RESMFB41	RESISTOR 33 OHMS 1/4W 5%	2	R17 , 35
24	RESMFC61	RESISTOR 100 OHMS 1/4W 5%	32	R2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11, 12, 13, 14, 15, 20, 21, 22 , 23 , 24 , 25 , 26 , 27 , 28, 29, 30, 31 , 32 , 33 , 100 , 108, 109, 110
25	RESMFC81	RESISTOR 120 OHMS 1/4W 5%	2	R59 , 61
26	RESMFD41	RESISTOR 220 OHMS 1/4W 5%	3	R42 , 49 , 57
27	RESMFD81	RESISTOR 330 OHMS 1/4W 5%	3	R56 , 62 , 63
28	RESMFE21	RESISTOR 470 OHMS 1/4W 5%	2	R53 , 115
29	RESMFE82	RESISTOR 820 OHMS 1/4W 5%	4	R1 , 16 , 19 , 34
30	RESMFF01	RESISTOR 1K OHMS 1/4W 5%	17	R64 , 85 , 96 , 113 , 129 , 131 , 132, 133, 134, 136 , 137, 138, 139, 140, 141, 142, 143
31	RESMFF81	RESISTOR 2.2K OHMS 1/4W 5%	1	R105
32	RESMFG01	RESISTOR 2.7K OHMS 1/4W 5%	1	R126
33	RESMFG21	RESISTOR 3.3K OHMS 1/4W 5%	6	R66 , 67 , 72 , 75 , 78 , 83
34	RESMFH01	RESISTOR 6.8K OHMS 1/4W 5%	2	R73 , 74
35	RESMFH21	RESISTOR 8.2K OHMS 1/4W 5%	1	R82
36	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	10	R86 , 93 , 94 , 97 , 103 , 104, 117, 119, 151, 152
37	RESMFI61	RESISTOR 33K OHMS 1/4W 5%	3	R65 , 69 , 77
38	RESMFJ01	RESISTOR 47K OHMS 1/4W 5%	1	R125
39	RESMFJ21	RESISTOR 56K OHMS 1/4W 5%	2	R43 , 50
40	RESMFJ81	RESISTOR 100K OHMS 1/4W 5%	11	R18 , 36 , 70 , 71 , 80 , 95 , 101, 121, 123, 149, 150
41	RESMFK61	RESISTOR 220K OHMS 1/4W 5%	1	R89
42	RESMFAQ61	RESISTOR 620 OHMS 1/4W 5%	1	R52
43	RESMFR91	RESISTOR 4.7K OHMS 1/4W 5%	2	R84
44	RESMFT71	RESISTOR 360 OHMS 1/4W 5%	1	R54

45	RESMFU71	RESISTOR 10M OHMS 1/4W 5%	5	R68 , 76 , 81 , 98 , 102
46	RESMFW91	RESISTOR 300 OHMS 1/4W 5%	1	R55
47	RESMFX41	RESISTOR 160 OHMS 1/4W 5%	2	R58 , 60
48	RESMFZV1	RESISTOR 10K OHMS 0.6W 1% LR1	6	R37 , 39 , 40 , 44 , 46 , 47
49	RESML861	RESISTOR 15K OHMS 0.6W 1% LR1	1	R51
50	RESML871	RESISTOR 20K OHMS 0.6W 1% LR1	4	R38 , 41 , 45 , 48
51	RESML881	RESISTOR 27K OHMS 0.6W 1% LR1	1	R111
52	RESMLA91	RESISTOR 11K OHMS 0.6W 1% LR1	6	R114 , 118 , 120 , 122 ,124 ,127
53	RESCFM51	RESISTOR 100 OHMS 1/2W 5%	1	R79
55	RESVS301	FADER B10K 30MM RA3021-202-15DA-B14-C1	2	VR8 , 9
56	RESVS411	FADER B1K 30MM RA3021-202-15DA-B13-C1	14	VR1-L , VR1-R , VR2-L , VR2-R , VR3-L , VR3-R , VR4-L , VR4-R , VR5-L , VR5-R , VR6-L , VR6-R , VR7-L , VR7-R
57	RESVS451	FADER STEREO B10K 60MM RA6024-10-08B1-B14-02	2	
58	SMCDI171	DIODE 1N4148	13	D1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10, 11, 12, 13
59	SMCTR641	TRANSISTOR J175 (TO92)	5	TR5 , 6 , 8 , 9 , 11
60	SMCTR651	TRANSISTOR TBC559C (TO92)	7	TR1 , 2 , 3 , 4 , 7 , 10 , 12
61	SMCTR681	TRANSISTOR TBC-549C (TO92)	5	TR15 , 18 , 19 , 20 , 21
62	SMCIC241	IC OPAMP BA4560 (DIP8)	13	IC1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 14 , 15 , 16 , 18 , 19
63	SMCIC371	IC QUAD COMPARATOR LM339N (DIP14)	5	IC9 , 10 , 11 , 12 , 13
64	SMCLD381	LED 3MM SLR-342YY3F YELLOW	17	LED6-L , LED6-R , LED7-L , LED7-R , LED8-L , LED8-R , LED9-L , LED9-R , LED10-L , LED10-R , LED17 , 19 , 20 , 21 , 22 , 24 , 25
65	SMCLD361	LED 3MM RED	5	LED11-L , LED11-R , LED16 , 27 , 29
66	SMCLD371	LED 3MM GREEN	16	LED1-L , LED1-R , LED2-L , LED2-R , LED3-L , LED3-R , LED4-L , LED4-R , LED5-L , LED5-R , LED12 , 14 , 15 , 23 , 26 , 28
67	CONSCU61	IC SOCKET PS-8 DIP	13	FOR 8 PIN IC
68	CONSCU91	IC SOCKET PS-14 DIP	5	FOR 14 PIN IC
69	HRDBD032	LED SPACER CERAMIC 9.5MM # 8912013	74	FOR LED
70	HRDBC031	GLUE HELERMAN INSULOK T18R/TIES YJ-98	2	
71	SWTSG272	SWITCH PUSH # KS MODULE (3MM)	16	SW1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17
75	SWTSG711	ROTARY ENCODER RE160-40E3-25A	1	EN1
76	CONDCM42	CONNECTOR IDC HEADER 16 WAY VERT	1	CONN1
77	CONDCM62	CONNECTOR IDC HEADER 10 WAY VERT	1	CONN7
78	CONDCM72	CONNECTOR IDC HEADER 14 WAY VERT	3	CONN2 , 3 , 6
79	CONDCM81	CONNECTOR IDC HEADER 34 WAY VERT	1	CONN4
80	WIRTC002	CU WIRE 22SWG TINNED	0	

#### FIN54508 Vision Aux Board

1	FIN545A2	AUX PCB	1	
2	HRDCB031	GLUE HELERMAN INSULOK T18R / TIES VJ-98	11	
3	CAPCR151	CAPACITOR 22PF 50V K% CERAMIC	9	C13 , 14 , 19 , 20 , 24 , 43 , 44 , 45 , 46
4	CAPCR171	CAPACITOR 100PF 50V K% CERAMIC	1	C6
5	CAPCR201	CAPACITOR 47PF 100V K% CERAMIC	6	C41 , 42 , 47 , 48 , 49 , 50
6	CAPEL091	CAPACITOR 100UF 25V 6.3X11 ELECTROLYTIC	16	C7 , 8 , 11 , 12 , 21 , 22 , 23 , 26 , 27 , 28 , 29 , 30 , 31 , 32 , 33 , 34
7	CAPEL111	CAPACITOR 220UF 25V 8X11.5 ELECTROLYTIC	2	C1 , 2
8	CAPELC51	CAPACITOR 10UF 63V 5X11 ELECTROLYTIC	3	C9 , 10 , 51
9	CAPPR001	CAPACITOR 1NF 100V K% BOX POLY	5	C3 , 15 , 17 , 18 , 25
10	CAPPR071	CAPACITOR 47NF 100V K% BOX POLY	6	C35 , 36 , 37 , 38 , 39 , 40
11	CAPPR121	CAPACITOR 10NF 100V K% BOX POLY	1	C52
12	RESMFA01	RESISTOR 10 OHMS 1/4W 5%	3	R10 , 11 , 110
13	RESMFB41	RESISTOR 33 OHMS 1/4W 5%	7	R1 , 2 , 57 , 59 , 74 , 79 , 82
14	RESMFD41	RESISTOR 220 OHMS 1/4W 5%	1	R89
15	RESMFE01	RESISTOR 390 OHMS 1/4W 5%	2	R91 , 95
16	RESMFE41	RESISTOR 560 OHMS 1/4W 5%	1	R90
16	RESMFF01	RESISTOR 1K OHMS 1/4W 5%	10	
17	RESMFF81	RESISTOR 2.2K OHMS 1/4W 5%	6	
17	RESMFF01	RESISTOR 1K OHMS 1/4W 5%	10	R24 , 51 , 52 , 92 , 94 , 96 , 98 , 100 , 116 , 117
18	RESMFF81	RESISTOR 2.2K OHMS 1/4W 5%	6	R19 , 20 , 21 , 22 , 39 , 40
19	RESMFG01	RESISTOR 2.7K OHMS 1/4W 5%	3	R49 , 50 , 115
20	RESMFH21	RESISTOR 8.2K OHMS 1/4W 5%	6	R41 , 42 , 56 , 58 , 97 , 99

21	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	6	R54 , 55 , 80 , 93 , 112 , 118
22	RESMFH81	RESISTOR 15K OHMS 1/4W 5%	8	R25, 35, 36, 73, 78, 81, 105,108
23	RESMFI61	RESISTOR 33K OHMS 1/4W 5%	4	R102 , 103 , 113 , 114
24	RESMFJ01	RESISTOR 47K OHMS 1/4W 5%	4	R68 , 70 , 75 , 87
25	RESMFJ21	RESISTOR 56K OHMS 1/4W 5%	2	R17 , 18
26	RESMFJ81	RESISTOR 100K OHMS 1/4W 5%	4	R29 , 106 , 109 , 111
27	RESMFL01	RESISTOR 330K OHMS 1/4W 5%	1	R28
28	RESMFM41	RESISTOR 2.2M OHMS 1/4W 5%	1	R30
29	RESMFR91	RESISTOR 4.7K OHMS 1/4W 5%	12	R7 , 8 , 15 , 16 , 53 , 62 , 64, 72, 77, 84, 104, 107
30	RESMFU71	RESISTOR 10M OHMS 1/4W 5%	7	R12 , 13 , 14 , 66 , 71 , 76 , 86
31	RESMFY61	RESISTOR 22K OHMS 1/8W 5%	6	R3 , 4 , 23 , 26 , 27 , 101
32	RESMFY71	RESISTOR 11K OHMS 1/4W 5%	4	R43 , 44 , 45 , 46
33	RESPTS351	PRESET 1K OHMS HORZ	1	PR1
34	RESVR351	POT B10K SINGLE RV16A-20-15K-B14-3027	1	VR3
35	RESVR941	POT B10K DUAL RV16A01-20-15K-B14-3027	2	VR1 , 4
36	RESVRF41	POT B1K DUAL RV16A01-20-15K-B13-3027	1	VR2
37	RESVS441	FADER MONO B10K 60MM RA6020-10-08B1-B14-02	3	FADER ASSM.
38	RESVS451	FADER STEREO B10K 60MM RA6024-10-08B1-B14-02	1	FADER ASSM.
39	SMCDI181	DIODE 1N4004	2	D1 , 3
40	SMCZN091	DIODE ZENER 0.5W 12V 05Z12V/1N5242B	1	D2
41	SMCTR641	TRANSISTOR J175 (TO92)	8	TR1 , 2 , 3 , 4 , 9 , 14 , 16 , 17
42	SMCTR651	TRANSISTOR TBC559C (TO92)	8	TR5 , 6 , 7 , 8 , 10 , 13 , 15 , 18
43	SMCIC241	IC OPAMP BA4560 (DIP8)	11	IC1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11
44	SMCLD361	LED TLR-124-KT-RED (3MM)	1	LED2
45	SWTSG171	SWITCH 2-POLE MINI PUSH 2P/CS033-20	4	SW1 , 2 , 5 , 6
46	SWTSG191	SWITCH 2-POLE MINI PUSH 4P	1	SW3
47	CONDCM52	CONNECTOR IDC HEADER 14 WAY RT/ANG	2	CONN1 , 2
48	CONDCM62	CONNECTOR IDC HEADER 10 WAY VERT	2	CONN3 , 5
49	CONJK051	JACK SOCKET STEREO SP/NOSE	1	J1
50	CONJK061	JACK SOCKET MONO SP/NOSE	2	J2 , 3
51	CONJK361	PHONO/RCA 4-WAY SOCKET T-5857-AA	1	PHONO1
52	CONSCU61	IC SOCKET PS-8 (DIP8)	11	FOR ALL IC
53	WIRTC002	CU WIRE 2SWG TINNED	0	

#### FIN54509 Vision Midi Board

1	FIN545A3	MIDI PCB	1	
2	CAPCR342	CAPACITOR 100NF 50V 10% MLC	2	MC1 , 3
3	CAPEL091	CAPACITOR 100UF 25V 6.3X11 ELECTROLYTIC	1	MC2
4	CAPPR001	CAPACITOR 1NF 100V K% BOX POLY	1	MC4
5	RESMFD41	RESISTOR 220 OHMS 1/4W 5%	3	MR1 , 7 , 8
6	RESMFD61	RESISTOR 270 OHMS 1/4W 5%	1	MR2
7	RESMFE21	RESISTOR 470 OHMS 1/4W 5%	1	MR9
8	RESMFF01	RESISTOR 1K OHMS 1/4W 5%	1	MR6
9	RESMFG41	RESISTOR 3.9K OHMS 1/4W 5%	1	MR3
10	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	1	MR5
11	RESMFI41	RESISTOR 27K OHMS 1/4W 5%	1	MR4
12	SMCDI171	DIODE 1N4148	1	MD1
13	WIRTC002	CU WIRE 22SWG TINNED	0	
14	SMCZN271	ZENER DIODE 1W3 5.1V	1	MD2
15	SMCIC381	IC OPTO PC900V	1	MIC1
16	SMCTR651	TRANSISTOR TBC559C (TO92)	2	MTR1 , 2
17	CONSCW21	5 PIN DIN SOCKET (DJ-006)	2	MCONN1 , 2
18	HRDCL052	SCREW TERMINAL M3 ANGLED	2	BRKT2 , 3
19	CONDCJ01	CONNECTOR 2.5 MM HEADER M24185-5	1	MCONN3

#### FIN545A4 Reverb Interface Board

1	FIN545A4	REVERB INTERFACE PCB	1	
2	CAPCR111	CAPACITOR 330PF 50V K% CERAMIC	1	C20
3	CAPCR121	CAPACITOR 680PF 50V K% CERAMIC	1	C17
4	CAPCR342	CAPACITOR 100NF 50V 10% MLC	1	C8
5	CAPEL091	CAPACITOR 100UF 25V 6.3X11 ELECTROLYTIC	2	C3 , 7
6	CAPELC51	CAPACITOR 10UF 63V 5X11 ELECTROLYTIC	5	C4 , 21 , 24 , 25 , 26
7	CAPELH01	CAPACITOR 33UF 35V 5X11 ELECTROLYTIC	1	C5
8	CAPPR001	CAPACITOR 1NF 100V K% BOX POLY	2	C1 , 2

9	CAPPR031	CAPACITOR 1N5 100V K% BOX POLY	2	C11 , 14
10	CAPPR071	CAPACITOR 47NF 100V K% BOX POLY	3	C6 , 22 , 23
11	CAPPR131	CAPACITOR 15NF 100V K% BOX POLY	3	C15 , 16 , 18
12	CAPPR181	CAPACITOR 33NF 100V K% BOX POLY	3	C10 , 13 , 19
13	RESMFC61	RESISTOR 100 OHMS 1/4W 5%	4	R1 , 5 , 6 , 24
14	RESMFE21	RESISTOR 470 OHMS 1/4W 5%	1	R17
15	RESMFF41	RESISTOR 1.5K OHMS 1/4W 5%	2	R9 , 12
16	RESMFF81	RESISTOR 2.2K OHMS 1/4W 5%	4	R19 , 20 , 22 , 23
17	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	1	R15
18	RESMFJ01	RESISTOR 47K OHMS 1/4W 5%	1	R16
19	RESMFJ81	RESISTOR 100K OHMS 1/4W 5%	3	R25 , 26 , 27
20	RESMFR91	RESISTOR 4.7K OHMS 1/4W 5%	4	R10 , 11 , 13 , 14
21	RESMLA51	RESISTOR 5.1K OHMS 0.6W 1% LR1	2	R2 , 3
22	RESMLA71	RESISTOR 24K OHMS 0.6W 1% LR1	1	R4
23	RESFS011	RESISTOR 18 OHMS 1/4W 5% FUSIBLE	1	R7
24	RESSL051	RESISTOR PACK 100KX8 (9SIP)	1	RP1
25	REVRB071	REVERB MODULE RV-32KA	1	REV1
26	SMCDI171	DIODE 1N4148	1	D1
27	SMCZN111	DIODE ZENER 1W 5.6V 1N4734A	2	D3 , 4
28	SMCZN231	DIODE ZENER 1W3 6.2V	2	D2 , 6
29	SMCZN241	DIODE ZENER 1W 15V 1N4744A	1	D5
30	WIRTC002	CU WIRE 22SWG TINNED	0	
31	SMCIC241	IC OPAMP BA4560 (DIP8)	3	IC1 , 2 , 3
32	SMCTR651	TRANSISTOR TBC559C (TO92)	1	TR2
33	SMCTR681	TRANSISTOR TBC549C (TO92)	1	TR3
34	SMCTR831	TRANSISTOR TIP30C (TO220)	1	TR1
35	CONDCP02	CONNECTOR IDC HEADER 10 WAY RT/ANG	2	CONN1 , 2

#### Vision Crossover Board

1	PCBUT142	CROSSOVER PCB (R8A10-2)	1	
2	CONDCM62	CONNECTOR IDC HEADER 10 WAY VERT	1	CONN1
3	HRDCL052	SCREW TERMINAL M3 ANGLED	2	BRKT4 , 5

#### FIN54514 Vision Surge Guard Board

1	PCBUSR72	SURGE GUARD PCB	1	
2	CONDCB42	PCB TAG 4.8X0.8	2	T1 , 2
3	HRDCL052	SCREW TERMINAL M3 ANGLED	2	
4	SMCTH121	SURGE GUARD SG160	1	SG1 ( FOR , 115 V )

#### FIN54513 Vision Aux Connector Board

1	PCBUT212	AUX CONN PCB (R8A10-2) PART-C	1	
2	CAPPR231	CAPACITOR 100NF 100V J% BOX POLY	1	C5
3	CONDCM62	CONNECTOR IDC HEADER 10 WAY VERT	1	CONN4
4	CONJK051	JACK SOCKET STEREO SP/NOSE	3	J4 , 5 , 6
5	CONJK701	JACK SOCKET STEREO F/THREAD	1	J8
6	CONJK161	JACK SOCKET MONO F/THREAD	1	J9
7	HRDCL052	SCREW TERMINAL M3 ANGLED	1	BRKT3
8	SMCDI181	DIODE 1N4004	2	D1 , 3
9	WIRTC002	CU WIRE 22SWG TINNED	0	

#### FIN54501 Vision Amp Board

1	FIN54515	AMP PCB	1	
2	CAPCR111	CAPACITOR 330PF 50V K% CERAMIC	1	C8
3	CAPCR391	CAPACITOR 470PF 500V K% CERAMIC	2	ACROSS TR12, TR13 BASE COLLECTOR
4	CAPCR611	CAPACITOR 100NF 50V 10% MLC	2	
5	CAPELH01	CAPACITOR 33UF 35V 5X11 ELECTROLYTIC	2	C14 , 15
6	CAPEL941	CAPACITOR 2N2 100V K% BOX POLY	2	C10 , 13
7	CAPPR651	CAPACITOR 1NF 100V K% BOX POLY	1	C2
8	CAPPR951	CAPACITOR 100NF 100V K% BOX POLY	3	C9 , 11 , 12
9	CAPPR971	CAPACITOR 47NF 100V K% BOX POLY	4	C1 , 4 , 5 , 6
10	RESFS011	RESISTOR 18 OHMS 1/4W 5% FUSIBLE	2	R33, R34
11	RESFS021	RESISTOR 680 OHMS 1/4W 5% FUSIBLE	3	R2 , 9 , 31
12	RESFS031	RESISTOR 68 OHMS 1/4W 5% FUSIBLE	1	R21
13	RESFSP41	RESISTOR 1K OHMS 1/4W 5% FUSIBLE	2	R47 , 50
14	RESMFD01	RESISTOR 150 OHMS 1/4W 5%	1	R44

15	RESMFD81	RESISTOR 330 OHMS 1/4W 5%	1	R28
16	RESMFE21	RESISTOR 470 OHMS 1/4W 5%	2	R7 , 8
17	RESMFF41	RESISTOR 1.5K OHMS 1/4W 5%	1	R4
18	RESMFH81	RESISTOR 15K OHMS 1/4W 5%	2	R46, 49
19	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	2	R11 , 13
20	RESMFI41	RESISTOR 27K OHMS 1/4W 5%	2	R5 , 19
21	RESMFI61	RESISTOR 33K OHMS 1/4W 5%	3	R43 , 45 , 48
22	RESMFJ01	RESISTOR 47K OHMS 1/4W 5%	1	R27
23	RESMFJ81	RESISTOR 100K OHMS 1/4W 5%	2	R1 , 3
24	RESMFZU1	RESISTOR 6.8K OHMS 0.6W 1% LR1	2	R15 , 16
25	RESML761	RESISTOR 270 OHMS 0.6W 1% LR1	1	R26
26	RESML781	RESISTOR 1K OHMS 0.6W 1% LR1	2	R18 , 20
27	RESML801	RESISTOR 1.5K OHMS 0.6W 1% LR1	2	R24 , 25
28	RESML811	RESISTOR 2K OHMS 0.6W 1% LR1	2	R9 , 12
29	RESML831	RESISTOR 3K OHMS 0.6W 1% LR1	1	R23
30	RESML851	RESISTOR 12K OHMS 0.6W 1% LR1	2	R10 , 17
31	RESML861	RESISTOR 15K OHMS 0.6W 1% LR1	2	R6 , 22
32	RESMO111	RESISTOR METAL OXIDE 4R7 OHM 3W 5% (ROX3S)	1	R40
33	RESMO141	RESISTOR METAL OXIDE 10 OHMS 1W 5% (ROX1S)	3	R30 , 32 , 39
34	RESMO251	RESISTOR METAL OXIDE OR18 OHMS 3W 5% (ROX3S)	4	R35, 36, 37, 38
35	SMCDI181	DIODE 1N4004	2	D9 , 10
36	SMCDI171	DIODE 1N4148	14	D1 , 3 , 4 , 6 , 8 , 12 , 13 , 14, 15, 16, 17, 18, 21, 22
37	SMCDI341	DIODE BAV20	2	D19, D20
38	SMCZN021	DIODE ZENER 0.5W 3.3V 1N5226B	2	D5 , 7
39	SMCZN131	DIODE ZENER 0.5W 33V 1N5257B	1	D2
40	SMCDI271	TRIAC 25A BTB24-400B	1	TR21
41	SMCDI281	DIAC BR100	1	D11
42	SMCTR531	TRANSISTOR MPSA92 (TO92)	4	TR3 , 6 , 11 , 22
43	SMCTR541	TRANSISTOR MPSA42 (TO92)	5	TR1 , 2 , 8 , 9 , 10
44	SMCTR571	TRANSISTOR MJ15004 (TO3)	2	TR19 , 20
45	SMCTR581	TRANSISTOR MJ15003 (TO3)	2	TR17 , 18
46	SMCTR841	TRANSISTOR 2SB1186A (TO220)	1	TR13
47	SMCTR851	TRANSISTOR 2SD1763A (TO220)	2	TR12 , 16
48	SMCTRB91	TRANSISTOR KTA1268 PNP (TO92)	2	TR4 , 5
49	SMCTRC11	TRANSISTOR TBC559B PNP (TO92)	1	TR15
50	SMCTRC21	TRANSISTOR TBC549B NPN (TO92)	2	TR7 , 14
51	TFRCO402	INDUCTOR 3UH #9510025	1	L1
52	MSAAA802	HEATSINK 1 (VISION)	2	FOR H/S ASSY
53	MSAAA902	HEATSINK 2 (VISION)	4	FOR H/S ASSY
54	MSAAA02	HEATSINK 3 (VISION)	2	FOR H/S ASSY
55	MSAAB02	HEATSINK 4 (VISION)	2	FOR H/S ASSY
56	HRDCL032	SPRING STEEL CLIP #9508025	4	FOR H/S
57	CONDCM62	CONNECTOR IDC HEADER 10 WAY VERT	2	
58	CONDCB42	PCB TAG 4.8X0.8	5	T1 , 2 , 3 , 4 , 5
59	HRDSP481	SPACER M4X9.5MM SRSCBS-M4-6-01)	4	
60	WIRTC002	CU WIRE 22SWG TINNED	0	

#### FIN54512 Vision Jack Board

1	PCBUT222	JACK PCB (R8A10-2) PART -D #9708150	1	
2	CAPPR001	CAPACITOR 1NF 100V K% BOX POLY	4	C1 , 2 , 3 , 4
3	CONJK161	JACK SOCKET MONO F/THREAD	2	J1 , 2
4	HRDCL052	SCREW TERMINAL M3 ANGLED	1	BRKT1

#### FIN545A6 Vision Rectifier Board

1	FIN35010	RECTIFIER PCB	1	NOT APLICABLE
2	CAPPR611	CAPACITOR 330NF 250V DC	4	C1 , 2 , 3 , 4
3	CONDC122	PCB TAG 6.2X0.8 B23	4	T1 , 2 , 3 , 4
4	SMCDI231	BRIDGE RECTIFIER KBPC3504 / FB3504	1	BR1

#### FIN54502 Vision Power Supply Board

1	FIN54516	PSU PCB	1	
2	CAPCR171	CAPACITOR 100PF 50V K% CERAMIC	2	C27 , 31
4	CAPEL071	CAPACITOR 47UF 25V 5X11 ELECTROLYTIC	1	C36
5	CAPEL161	CAPACITOR 1000UF 16V 10X20 ELECTROLYTIC	2	C5 , 6



6	CAPEL501	CAPACITOR 2200UF 35V 16X31.5 ELECTROLYTIC	2	C11 , 12
7	CAPELC41	CAPACITOR 2.2UF 100V 5X11 ELECTROLYTIC	3	C29 , 33 , 34
8	CAPELC51	CAPACITOR 10UF 63V 5X11 ELECTROLYTIC	7	C15, 16, 19 , 21 , 26 , 30 , 35
9	CAPELH01	CAPACITOR 33UF 35V 5X11 ELECTROLYTIC	5	C20 , 22 , 24 , 37 , 38
10	CAPELK41	CAPACITOR 3300UF 63V 22X40 ELECTROLYTIC	6	C1 , 2 , 3 , 4, 43, 44
11	CAPELK51	CAPACITOR 10UF 100V 5X11 ELETROLYTIC	1	C23
12	CAPPR231	CAPACITOR 100NF 100V K% MYLAR	1	C8
13	CAPPR711	CAPACITOR 100NF 63V BOX POLY	10	C10, 13, 14, 17, 18, 25, 45, 46, 47, 48
14	CAPPR971	CAPACITOR 47NF 100V K% BOX POLY	1	C9
15	RESCFL61	RESISTOR 1 OHM 1W 5%	3	R37, 38, 39
16	RESCFM71	RESISTOR 10K OHMS 1W 5%	2	R94, 95
17	RESMFM61	RESISTOR 100 OHMS 1W 5%	1	R3
18	RESMFD01	RESISTOR 150 OHMS 1/4W 5%	1	R8
19	RESMFD21	RESISTOR 180 OHMS 1/4W 5%	1	R56
20	RESMFD41	RESISTOR 220 OHMS 1/4W 5%	1	R78
21	RESMFF01	RESISTOR 1K OHMS 1/4W 5%	15	R11 , 17 , 22 , 28 , 32 , 44 , 48 , 54 , 60 , 68 , 64 , 72 , 93 , 96
22	RESMFG21	RESISTOR 3.3K OHMS 1/4W 5%	2	R63 , 71
23	RESMFH21	RESISTOR 8.2K OHMS 1/4W 5%	2	R33 , 34
24	RESMFH41	RESISTOR 10K OHMS 1/4W 5%	5	R47, 53, 58, 66, 92
25	RESMFH81	RESISTOR 15K OHMS 1/4W 5%	9	R79 , 80 , 81, 82,83,84,85, 90, 91
26	RESMFI41	RESISTOR 27K OHMS 1/4W 5%	2	R45 , 51
27	RESMFI61	RESISTOR 33K OHMS 1/4W 5%	2	R73 , 74
28	RESMFJ01	RESISTOR 47K OHMS 1/4W 5%	2	R75 , 77
29	RESMFJ81	RESISTOR 100K OHMS 1/4W 5%	5	R57 , 61 , 65 , 69 , 76
30	RESMFK01	RESISTOR 120K OHMS 1/4W 5%	2	R15 , 26
31	RESMFK21	RESISTOR 150K OHMS 1/4W 5%	2	R46 , 52
32	RESMFL71	RESISTOR 680K OHMS 1/4W 5%	2	R20 , 31
33	RESMFM21	RESISTOR 1M OHMS 1/4W 5%	2	R35 , 36
34	RESMFR91	RESISTOR 4.7K OHMS 1/4W 5%	4	R16 , 27 , 49 , 55
35	RESMFY61	RESISTOR 22K OHMS 1/8W 5%	2	R59 , 67
36	RESML711	RESISTOR 15 OHMS 0.6W 1% LR1	2	R42 , 43
37	RESML741	RESISTOR 100 OHMS 0.6W 1% LR1	2	R12 , 23
38	RESML751	RESISTOR 220 OHMS 0.6W 1% LR1	2	R5 , 6
39	RESML771	RESISTOR 330 OHMS 0.6W 1% LR1	2	R14 , 25
40	RESML781	RESISTOR 1K OHMS 0.6W 1% LR1	2	R19 , 30
41	RESML801	RESISTOR 1.5K OHMS 0.6W 1% LR1	1	R9
42	RESML821	RESISTOR 2.7K OHMS 0.6W 1% LR1	1	R7
43	RESML841	RESISTOR 8.2K OHMS 0.6W 1% LR1	1	R4
44	RESML851	RESISTOR 12K OHMS 0.6W 1% LR1	2	R13 , 24
45	RESML881	RESISTOR 27K OHMS 0.6W 1% LR1	2	R18 , 29
46	RESML891	RESISTOR 33K OHMS 0.6W 1% LR1	2	R10 , 21
47	SMCDI171	DIODE 1N4148	5	D8 , 9 , 10 , 14 , 15
48	SMCDI181	DIODE 1N4004	2	D1 , 2
49	SMCZN261	DIODE ZENER 1W 39V	1	D3
50	SMCZN442	DIODE ZENER 0.5W 62V 1N5265B	2	D11 , 12
52	SMCZN191	DIODE ZENER 0.5W 15V	1	D13
53	SMCIC241	IC OPAMP BA4560 (DIP8)	2	IC2 , 3
55	SMCIC581	IC COMPARATOR LM393	1	IC1
56	SMCIC591	IC MCI4538	1	IC5
57	SMCLD091	LED 3MM SLR-342YY3F YELLOW	2	L1, 2
58	SMCLD361	LED 3MM RED	4	L3, 4, 5, 6
59	SMCTR681	TRANSISTOR TBC549C (TO92)	15	TR1, 2, 5, 7, 8, 9, 10, 11 , 12, 13, 14, 15, 16, 17, 18
60	SMCTR531	TRANSISTOR MPSA92 (TO92)	2	TR4 , 6
61	SMCTR831	TRANSISTOR TIP30C (TO220)	1	TR3
62	SMCDI151	BRIDGE RECTIFIER PB206M	2	BR1 , 2
63	SMCIC201	VOLTAGE REGULATOR AN7915 (TO220)	1	REG3
64	SMCIC261	VOLTAGE REGULATOR LM317T	2	REG1 , 2
65	CKTFS231	FUSE 2AG 100MAL 250V IEC/UL	1	F9
66	CKTFS811	FUSE 2AG T1AL 250V IEC/UL	2	F1 , 2
67	CKTFS821	FUSE 2AG T6.3AL 250V IEC/UL	4	F5, 6, 7, 8
68	CKTFS841	FUSE 2AG T2AL 250V IEC/UL	2	F3 , 4
69	CKTFH291	FUSE CLIP	18	FOR FUSE
70	CONDCF61	CONNECTOR 2.5 MM HEADER M24185-2	1	CONN2

71	CONDCI51	CONNECTOR 3.96 MM HEADER M24183-5	1	CONN1
72	CONDCM42	CONNECTOR IDC HEADER 16 WAY VERT	1	CONN5
73	CONDCM62	CONNECTOR IDC HEADER 10 WAY VERT	2	CONN3 , 4
74	CONDCB42	PCB TAG 4.8X0.8	11	T 2, 6 , 7,17, 20, 21, 23, 24, 25 , 9, 16,
75	CONDC122	PCB TAG 6.3x0.8	3	T16, 18, 19
76	HEAJA202	REGULATOR HEATSINK # 9711025A 40MM	2	
77	HRDBD022	BEAD CERAMIC 2.5MM	4	BR1, 2
78	HRDCL062	REGULATOR SPRING CLIP	2	FOR H/S ASSY
79	HRDSP481	SPACER M4X9.5MM SRSCBS-M4-6-01)	6	
80	WIRTC002	CU WIRE 22SWG TINNED	0.01	