

7.9. Dolby NR P.C.B. Ass'y

7.9.1. Dolby NR P.C.B. Ass'y (U.S.A. & Canada)

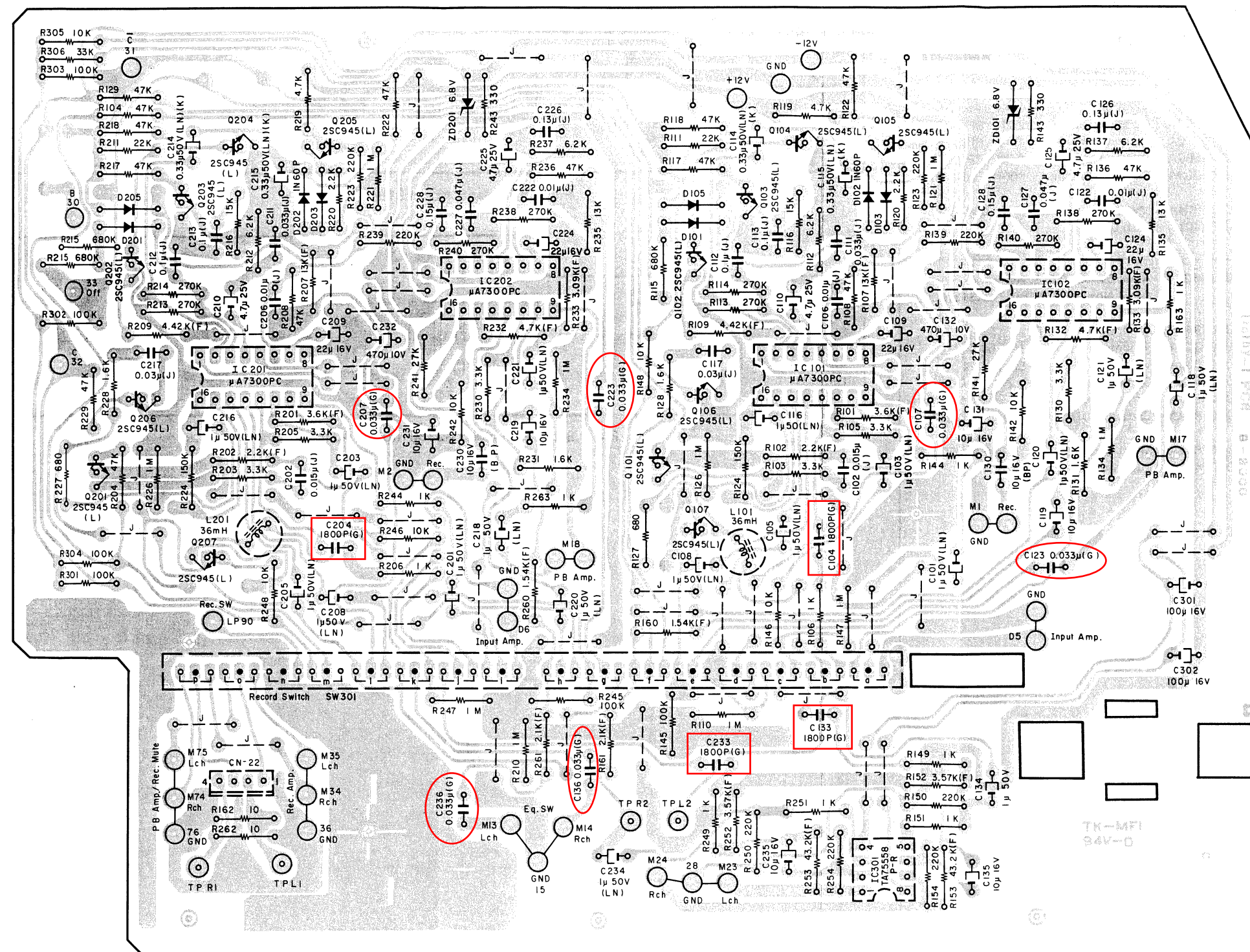


Fig. 7.9.1.1 Serial No.: A31304446 -

Note: Diode is 1SS53, 1S953, or 1S1555 unless otherwise specified.

Schematic Ref. No.	Part No.	Description
	BA04538A	Dolby NR P.C.B. Ass'y (U.S.A. & Canada) Serial No.: A31304446 -
	- RP Dolby NR -	
IC101,102	OB06200A	IC μ A7300PC
201,202		
Q101-106	OB01872A	Transistor 2SC945 (L) (12 pcs.)
201-206		
ZD101,201	OB06315A	Zener Diode 6.8V XZ068
D101,103	OB06181A	Silicon Diode 1SS53
105,201		
203,205		
D102,202	OB00030A	Germanium Diode 1N60P
R101,201	OB09568A	Metal Film Resistor 3.6K SN14K2E F
R102,202	OB09420A	Metal Film Resistor 2.2K SN14K2E F
R103,105	OB01681A	Carbon Resistor 3.3K ERD-25T J
130,203		
205,230		
R104,108	OB05641A	Carbon Resistor 47K ERD-25T J
117,118		
122,129		
136,204		
208,217		
218,222		
229,236		
R106,144	OB01857A	Carbon Resistor 1K ERD-25T J
163,206		
244,263		
R107,135	OB09557A	Metal Film Resistor 13K SN14K2E F
207,235		
R109,209	OB09558A	Metal Film Resistor 4.42K SN14K2E F
R110,121	OB05776A	Carbon Resistor 1M ERD-25T J
126,134		
147,210		
221,226		
234,247		
R111,211	OB05615A	Carbon Resistor 22K ERD-25T J
R112,137	OB09271A	Carbon Resistor 6.2K ERD-25T J
212,237		
R113,114	OB05620A	Carbon Resistor 270K ERD-25T J
138,140		
213,214		
238,240		
R115,215	OB09335A	Carbon Resistor 680K ERD-25T J
R116,216	OB01683A	Carbon Resistor 15K ERD-25T J
R119,219	OB01846A	Carbon Resistor 4.7K ERD-25T J
R120,220	OB05622A	Carbon Resistor 2.2K ERD-25T J
R123,139	OB05625A	Carbon Resistor 220K ERD-25T J
223,239		
R124,224	OB05626A	Carbon Resistor 150K ERD-25T J
R127,227	OB05794A	Carbon Resistor 680 ERD-25T J
R128,131	OB09565A	Carbon Resistor 1.6K ERD-25T J
228,231		
R132,232	OB09356A	Metal Film Resistor 4.7K SN14K2E F
R133,233	OB09772A	Metal Film Resistor 3.09K SN14K2E F
R141,241	OB05743A	Carbon Resistor 27K ERD-25T J
R142,146	OB01888A	Carbon Resistor 10K ERD-25T J
242,246		
305		
R143,243	OB05577A	Carbon Resistor 330 ERD-25T J

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
R145,245 301,302 303,304	OB01889A	Carbon Resistor 100K ERD-25T J		OE00857A	BT Screw M3x6 Philips Binding Head (1 pce.)
R161,261	OB09585A	Metal Film Resistor 2.1K SN14K2E F		OJ04482A	Shield Case D (1 pce.)
C101,103	OB09223A	Electrolytic Capacitor 1μ 50V (LN)		OM04331A	Label CN-22 (1 pce.)
105,108				OJ04545A	Dolby NR P.C.B. Shield Plate (1 pce.)
116,118					— Miscellaneous —
120,121					
201,203				OB08000C	Dolby NR P.C.B.
205,208				OB08570A	Record Spring Holder (1 pce.)
216,218				OE00172A	Washer 3mm Toothed Lock (1 pce.)
220,221				OE00222A	E-Ring 2mm (1 pce.)
C102,202	OB05557A	Mylar Capacitor 0.015μ 50V J		OE00507A	Nut Hex. M3 (1 pce.)
C104,204	OB09409A	PP Capacitor 1800P 100V G		OE00846A	BT Screw M3x8 Philips Pan Head (1 pce.)
C106,122	OB05681A	Mylar Capacitor 0.01μ 50V J			
206,222				OJ04531A	Record Switch Shaft B (1 pce.)
C107,123	OB09240A	PP Capacitor 0.033μ 100V G		JA03922A	Record Arm Ass'y (1 pce.)
136,207					
223,236					
C109,124	OB01862A	Electrolytic Capacitor 22μ 16V			
209,224					
C110,125	OB01402A	Electrolytic Capacitor 4.7μ 25V			
210,225					
C111,211	OB05583A	Mylar Capacitor 0.033μ 50V J			
C112,113	OB01780A	Mylar Capacitor 0.1μ 50V J			
212,213					
C114,115	OB09567A	Electrolytic Capacitor 0.33μ 50V(LN) K			
214,215					
C117,217	OB09594A	Mylar Capacitor 0.03μ 50V J			
C119,131	OB01412A	Electrolytic Capacitor 10μ 16V			
219,231					
C126,226	OB09566A	Mylar Capacitor 0.13μ 50V J			
C127,227	OB05796A	Mylar Capacitor 0.047μ 50V J			
C128,228	OB05914A	Mylar Capacitor 0.15μ 50V J			
C130,230	OB09163A	Electrolytic Capacitor 10μ 16V (BP)			
C132,232	OB05884A	Electrolytic Capacitor 470μ 10V			
	OB08714A	IC Socket 16P (4 pcs.)			
	— Line Amp. —				
IC301	OB06287A	IC TA75558P-R			
Q107,207	OB01872A	Transistor 2SC945 (L)			
L101,201	OB06676A	Inductor 36mH G			
R148,248	OB01888A	Carbon Resistor 10K ERD-25T J			
R149,151	OB01857A	Carbon Resistor 1K ERD-25T J			
249,251					
R150,154	OB05625A	Carbon Resistor 220K ERD-25T J			
250,254					
R152,252	OB09507A	Metal Film Resistor 3.57K SN14K2E F			
R153,253	OB09582A	Metal Film Resistor 43.2K SN14K2E F			
R160,260	OB09757A	Metal Film Resistor 1.54K SN14K2E F			
R162,262	OB05936A	Carbon Resistor 10 ERD-25T J			
R306	OB05509A	Carbon Resistor 33K ERD-25T J			
C133,233	OB09409A	PP Capacitor 1800P 100V G			
C134,234	OB09223A	Electrolytic Capacitor 1μ 50V (LN)			
C135,235	OB01412A	Electrolytic Capacitor 10μ 16V			
C301,302	OB01400A	Electrolytic Capacitor 100μ 16V			
SW301	OB07390A	Record Switch 16NS CL116R			
CN22	OB08654A	4P-T Post			
	OE00507A	Nut Hex. M3 (1 pce.)			
	OE00510A	Screw M3x8 Philips Pan Head (2A) (1 pce.)			

7.10. Logic & Power P.C.B. Ass'y

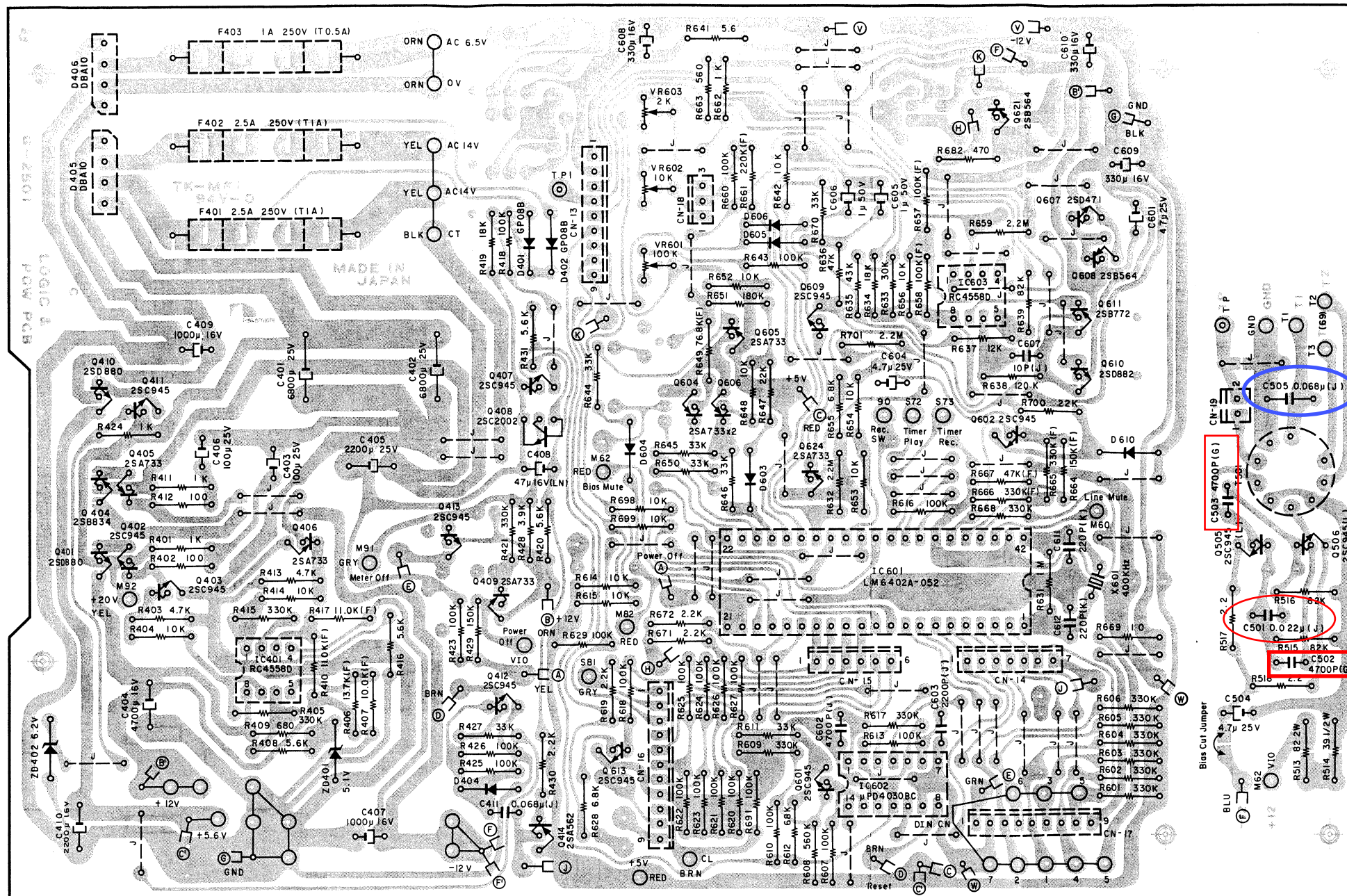


Fig. 7.10.1 Serial No.: A31304446 -

Note: Diode is 1SS53, 1S953, or 1S1555 unless otherwise specified.

Schematic Ref. No.	Part No.	Description
	BA04640A BA04635A BA04636A	Logic & Power P.C.B. Ass'y (U.S.A., Canada & Others) Logic & Power P.C.B. Ass'y (Japan) Logic & Power P.C.B. Ass'y (UK, Australia & 220V Class 2) Serial No.: A31304446 -
	- Bias Osc. -	
Q505,506	OB01872A	Transistor 2SC945 (L)
T501	OB06613A	Osc. Coil
R513	OB09295A	Fail Safe Type Resistor 82 RSF-2B J
R514	OB09296A	Fail Safe Type Resistor 39 RSF-1/2B J
R515,516	OB05668A	Carbon Resistor 82K ERD-25T J
R517,518	OB09212A	Fail Safe Type Resistor 2.2RDF-25S J
C501	OB09405A	PP Capacitor 0.022µ 100V J
C502,503	OB09191A	PP Capacitor 4700P 100V G
C504	OB01402A	Electrolytic Capacitor 4.7µ 25V
C505	OB09254A	PP Capacitor 0.068µ 100V J
CN19	OB08656A	2P-T Post
	OJ04450A	Osc. Coil Cap (1 pce.)
	- Power Supply -	
IC401	OB06124B	IC RC4558D
Q402,403	OB06100A	Transistor 2SC945 (A)
407,411		
412,413		
Q405,406	OB06013A	Transistor 2SA733
409		
Q408	OB06322A	Transistor 2SC2002
Q414	OB01426A	Transistor 2SA562
ZD401	OB06058A	Zener Diode 5.1V YZ051
ZD402	OB06314A	Zener Diode 6.2V YZ062
D401,402	OB06109A	Silicon Diode GP08B
D404	OB01909A	Silicon Diode 1S1555
D405,406	OB06282A	Diode Bridge DBA10
R401,411	OB01857A	Carbon Resistor 1K ERD-25T J
424		
R402,412	OB01679A	Carbon Resistor 100 ERD-25T J
R403,413	OB01846A	Carbon Resistor 4.7K ERD-25T J
R404,414	OB01888A	Carbon Resistor 10K ERD-25T J
R405,415	OB05627A	Carbon Resistor 330K ERD-25T J
421		
R406	OB09523A	Metal Film Resistor 13.7K SN14K2E F
R407	OB09203A	Metal Film Resistor 10K SN14K2E F
R408,416	OB01887A	Carbon Resistor 5.6K ERD-25T J
420,431		
R409	OB05794A	Carbon Resistor 680 ERD-25T J
R410,417	OB09128A	Metal Film Resistor 11K SN14K2E F
R418,423	OB01889A	Carbon Resistor 100K ERD-25T J
425,426		
R419	OB05560A	Carbon Resistor 18K ERD-25T J
R427	OB05509A	Carbon Resistor 33K ERD-25T J
R428	OB05675A	Carbon Resistor 3.9K ERD-25T J
R429	OB05626A	Carbon Resistor 150K ERD-25T J
R430	OB05622A	Carbon Resistor 2.2K ERD-25T J
C401,402	OB09374A	Electrolytic Capacitor 6800µ 25V
C403,406	OB01272A	Electrolytic Capacitor 100µ 25V
C404	OB09377A	Electrolytic Capacitor 4700µ 16V
C405	OB05654A	Electrolytic Capacitor 2200µ 25V
C407,409	OB01397A	Electrolytic Capacitor 1000µ 16V
C408	OB09218A	Electrolytic Capacitor 47µ 16V (LN)
C410	OB01406A	Electrolytic Capacitor 2200µ 16V

7.11. Main P.C.B. Ass'y

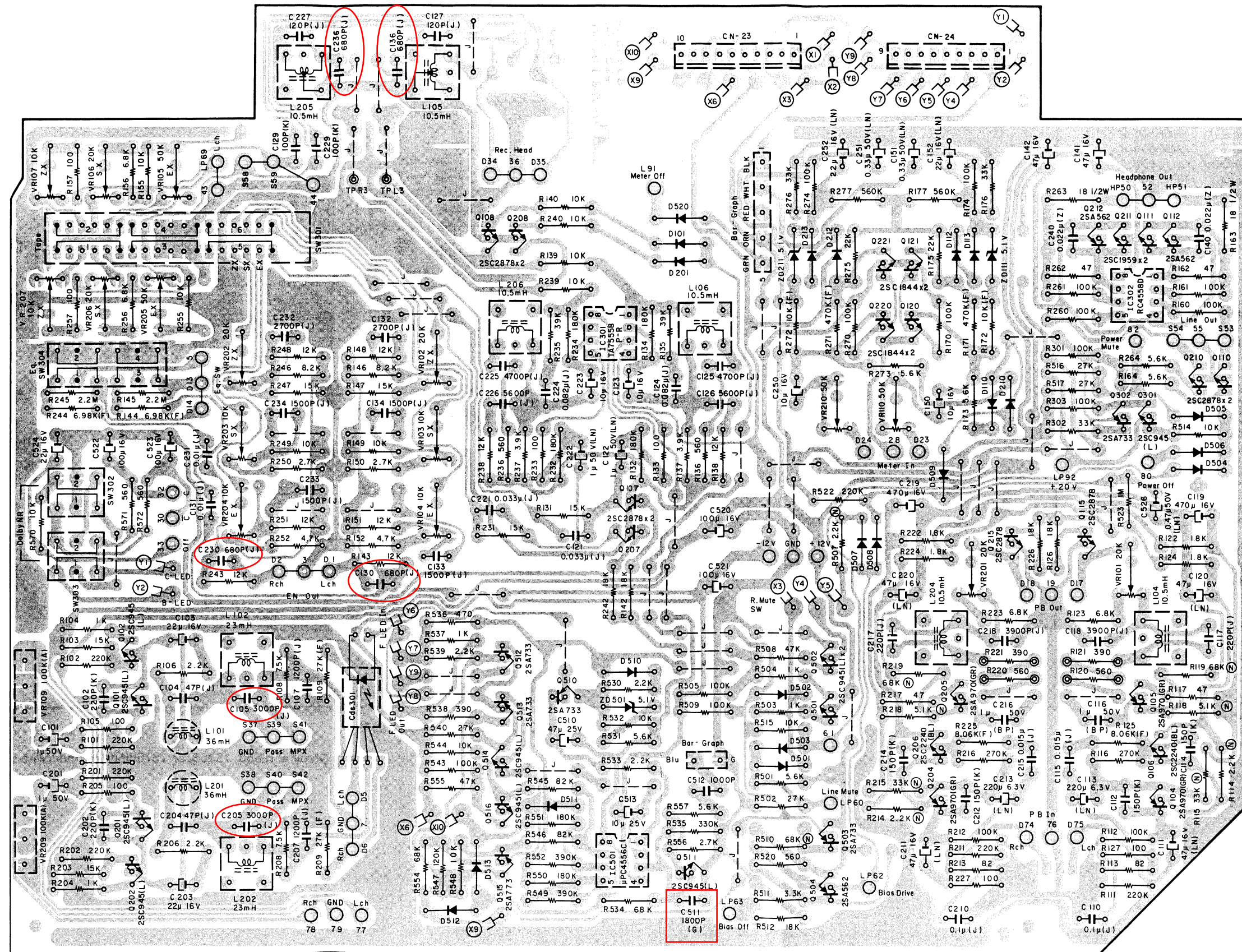


Fig. 7.11.1 Serial No.: A31310053 -

Note: Diode is 1SS53, 1S953, or 1S1555 unless otherwise specified.

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA04559B	Main P.C.B. Ass'y Serial No.: A31310053 —	R137,237	0B05675A	Carbon Resistor 3.9K ERD-25T J				R507	0B09309A	Carbon Resistor 2.2K ERD-25TS J
			R138,238	0B09263A	Carbon Resistor 12K ERD-25T J						(Noiseless)
			R139,140	0B01888A	Carbon Resistor 10K ERD-25T J				R508	0B05641A	Carbon Resistor 47K ERD-25T J
	— PB Eq. Amp. —		155,239						R510	0B09311A	Carbon Resistor 68K ERD-25TS J
			240,255								(Noiseless)
Q104,105	0B06180A	Transistor 2SA970 (GR)	R142,242	0B05560A	Carbon Resistor 18K ERD-25T J	IC302	0B06124B	IC RC4558D	R511	0B01681A	Carbon Resistor 3.3K ERD-25T J
204,205			R156,256	0B01682A	Carbon Resistor 6.8K ERD-25T J	Q110,210	0B06299A	Transistor 2SC2878	R512	0B05560A	Carbon Resistor 18K ERD-25T J
Q106,206	0B06142A	Transistor 2SC2240 (BL)	C121,221	0B05583A	Mylar Capacitor 0.033μ 50V J	Q111,211	0B06179A	Transistor 2SC1959 (Y)	R514,515	0B01888A	Carbon Resistor 10K ERD-25T J
Q115,215	0B06299A	Transistor 2SC2878	C122,222	0B09223A	Electrolytic Capacitor 1μ 50V (LN)	Q301	0B01872A	Transistor 2SC945 (L)	R520	0B05575A	Carbon Resistor 560 ERD-25T J
L104,204	0B00068A	Trap Coil 10.5mH	C123,223	0B01412A	Electrolytic Capacitor 10μ 16V	Q302	0B06013A	Transistor 2SA733	R522	0B05625A	Carbon Resistor 220K ERD-25T J
VR101,201	0B07261A	Semi-fixed Volume 20K	C124,224	0B05685A	Mylar Capacitor 0.082μ 50V J	R160,161	0B01889A	Carbon Resistor 100K ERD-25T J	R523	0B05776A	Carbon Resistor 1M ERD-25T J
R111,211	0B05625A	Carbon Resistor 220K ERD-25T J	C125,225	0B05652A	Mylar Capacitor 4700P 50V J	260,261			C520,521	0B01400A	Electrolytic Capacitor 100μ 16V
R112,212	0B01889A	Carbon Resistor 100K ERD-25T J	C126,226	0B05659A	Mylar Capacitor 5600P 50V J	301,303			C526	0B09222A	Electrolytic Capacitor 0.47μ 50V (LN)
R113,213	0B05631A	Carbon Resistor 82 ERD-25T J	C127,227	0B09486A	Mica Capacitor 120P 50V J	R162,262	0B01706A	Carbon Resistor 47 ERD-25T J			
R114,214	0B09309A	Carbon Resistor 2.2K ERD-25TS J	C129,229	0B09282A	Ceramic Capacitor 100P 50V K	R163,263	0B09536A	Fail Safe Type Resistor 18 RSF-1/2B J			
		(Noiseless)	C136,236	0B09235A	PP Capacitor 680P 100V J	R164,264	0B01887A	Carbon Resistor 5.6K ERD-25T J			
R115,215	0B09310A	Carbon Resistor 33K ERD-25TS J	SW301	0B07413A	Rotary Switch	R302	0B05509A	Carbon Resistor 33K ERD-25T J			
		(Noiseless)				C140,240	0B09291A	Ceramic Capacitor 0.022μ 50V Z			
R116,216	0B05620A	Carbon Resistor 270K ERD-25T J				C141,142	0B01403A	Electrolytic Capacitor 47μ 16V			
R117,217	0B01706A	Carbon Resistor 47 ERD-25T J									
R118,218	0B09388A	Carbon Resistor 5.1K ERD-25TS J									
		(Noiseless)	VR102,202	0B07261A	Semi-fixed Volume 20K						
R119,219	0B09311A	Carbon Resistor 68K ERD-25TS J	VR103,104	0B07236A	Semi-fixed Volume 10K						
		(Noiseless)	203,204								
R120,220	0B05575A	Carbon Resistor 560 ERD-25T J	R143,148	0B09263A	Carbon Resistor 12K ERD-25T J	Q101,102	0B01872A	Transistor 2SC945 (L)			
R121,221	0B05691A	Carbon Resistor 390 ERD-25T J	151,243			201,202					
R122,124	0B05614A	Carbon Resistor 1.8K ERD-25T J	248,251			L101,201	0B03919B	Inductor 36mH			
222,224			R144,244	0B09604A	Metal Film Resistor 6.98K SN14K2E F	L102,202	0B03563A	19kHz Coil 23mH			
R123,223	0B01682A	Carbon Resistor 6.8K ERD-25T J	R145,245	0B05671A	Carbon Resistor 2.2M ERD-25T J	VR109,209	0B07402A	Volume 100K (A)			
R125,225	0B09431A	Metal Film Resistor 8.06K SN14K2E F	R146,246	0B01856A	Carbon Resistor 8.2K ERD-25T J	R101,102	0B05625A	Carbon Resistor 220K ERD-25T J			
R126,226	0B05560A	Carbon Resistor 18K ERD-25T J	R147,247	0B01683A	Carbon Resistor 15K ERD-25T J	201,202					
R127,227	0B01679A	Carbon Resistor 100 ERD-25T J	R149,249	0B01888A	Carbon Resistor 10K ERD-25T J	R103,203	0B01683A	Carbon Resistor 15K ERD-25T J			
C110,210	0B01780A	Mylar Capacitor 0.1μ 50V J	R150,250	0B05629A	Carbon Resistor 2.7K ERD-25T J	R104,204	0B01857A	Carbon Resistor 1K ERD-25T J			
C111,120	0B09218A	Electrolytic Capacitor 47μ 16V (LN)	R152,252	0B01846A	Carbon Resistor 4.7K ERD-25T J	R105,205	0B01679A	Carbon Resistor 100 ERD-25T J			
211,220			C130,230	0B09235A	PP Capacitor 680P 100V J	R106,206	0B05622A	Carbon Resistor 2.2K ERD-25T J			
C112,114	0B09281A	Ceramic Capacitor 150P 50V K	C131,231	0B05681A	Mylar Capacitor 0.01μ 50V J	R108,208	0B09183A	Carbon Resistor 7.5K ERD-25T J			
212,214			C132,232	0B09189A	Mylar Capacitor 2700P 50V J	R109,209	0B09444A	Metal Film Resistor 27K SN14K2E F			
C113,213	0B09151A	Electrolytic Capacitor 220μ 6.3V (LN)	C133,134	0B05653A	Mylar Capacitor 1500P 50V J	C101,201	0B01405A	Electrolytic Capacitor 1μ 50V			
C115,215	0B05557A	Mylar Capacitor 0.015μ 50V J	233,234			C102,202	0B09283A	Ceramic Capacitor 220P 50V K			
C116,216	0B09187A	Electrolytic Capacitor 1μ 50V (BP)	SW304	0B07400A	Push Switch	C103,203	0B01862A	Electrolytic Capacitor 22μ 16V			
C117,217	0B09247A	Mica Capacitor 220P 50V J				C104,204	0B09242A	Mica Capacitor 47P 50V J			
C118,218	0B01804A	Mylar Capacitor 3900P 50V J				C105,205	0B09262A	PP Capacitor 3000P 100V J			
C119,219	0B01392A	Electrolytic Capacitor 470μ 16V				C107,207	0B05687A	Mylar Capacitor 1200P 50V J			
						Cds301	0B06325A	Photocoupler MCD7214F			
	— Rec. Eq. Amp. —										
IC301	0B06287A	IC TA7558P-R	Q120,121	0B06119A	Transistor 2SC1844 (P)						
Q107,108	0B06299A	Transistor 2SC2878	220,221								
D101,201	0B06181A	Silicon Diode 1SS53	ZD111,211	0B06058A	Zener Diode 5.1V YZ051	D520	0B01909A	Silicon Diode 1S1555			
L105,106	0B00068A	Trap Coil 10.5mH	D110,112	0B06181A	Silicon Diode 1SS53	R570	0B01888A	Carbon Resistor 10K ERD-25T J			
205,206			113,210			R571,572	0B05575A	Carbon Resistor 560 ERD-25T J			
VR105,205	0B07237A	Semi-fixed Volume 50K	212,213			C522,523	0B01400A	Electrolytic Capacitor 100μ 16V			
VR106,206	0B07261A	Semi-fixed Volume 20K	VR110,210	0B07237A	Semi-fixed Volume 50K	C524	0B01862A	Electrolytic Capacitor 22μ 16V			
VR107,207	0B07236A	Semi-fixed Volume 10K	R170,174	0B01889A	Carbon Resistor 100K ERD-25T J	CN23	0B08954A	10P-S Post			
R131,231	0B01683A	Carbon Resistor 15K ERD-25T J	270,274			CN24	0B08953A	9P-T Post			
R132,134	0B05640A	Carbon Resistor 180K ERD-25T J	R171,271	0B09775A	Metal Film Resistor 470K SN14K2E F						
232,234			R172,272	0B09203A	Metal Film Resistor 10K SN14K2E F						
R133,157	0B01679A	Carbon Resistor 100 ERD-25T J	R173,273	0B01887A	Carbon Resistor 5.6K ERD-25T J						
233,257			R175,275	0B05615A	Carbon Resistor 22K ERD-25T J	Q501,502	0B01872A	Transistor 2SC945 (L)			
R135,235	0B01854A	Carbon Resistor 39K ERD-25T J	R176,276	0B09310A	Carbon Resistor 33K ERD-25T J	Q503	0B06013A	Transistor 2SA733			
R136,236	0B05575A	Carbon Resistor 560 ERD-25T J	R177,277	0B05784A	Carbon Resistor 560K ERD-25T J	Q504	0B06202A	Transistor 2SA562 (Y)			
			C150,250	0B01412A	Electrolytic Capacitor 10μ 16V	D501-509	0B06181A	Silicon Diode 1SS53 (9 pcs.)			
			C151,251	0B09327A	Electrolytic Capacitor 0.33μ 50V (LN)	R501	0B01887A	Carbon Resistor 5.6K ERD-25T J			
			C152,252	0B09137A	Electrolytic Capacitor 22μ 16V (LN)	R502,516	0B05743A	Carbon Resistor 27K ERD-25T J			
			CN25	0B08932B	6P-H Connector 400mm	517					
						R503,504	0B01857A	Carbon Resistor 1K ERD-25T J			
						R505,509	0B01889A	Carbon Resistor 100K ERD-25T J			
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