

ALPINE SERVICE MANUAL

FM/MW/LW/RDS CD Receiver

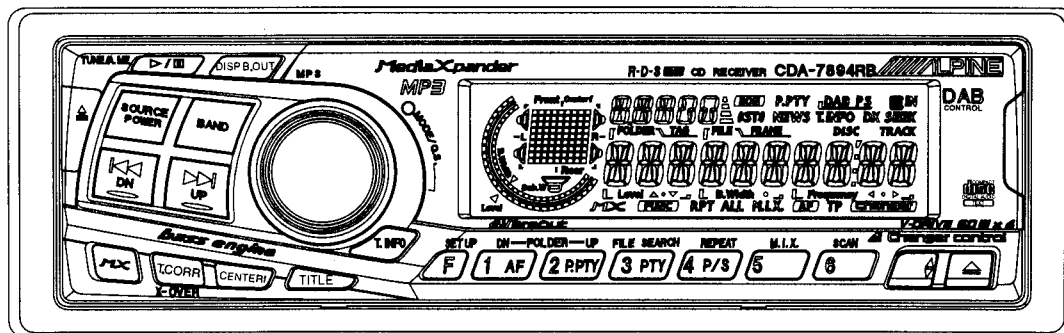
MP3

MX

DAB
CONTROL

COMPACT
disc
DIGITAL AUDIO
TEXT

- The model described in this manual is developed from Model CDA-7893R.
For information that is not mentioned in this service manual, refer to the
Service Manual • CDA-7893R (Part No. 68E33378S01).





CDA-7894RB

<Cautions for Safe Repair Work>



The following cautions will prevent accidents in the workplace and will ensure safe products.

- The symbols indicate caution is needed to prevent injuries and damage to property.

The symbols and their meanings follow.

	Warning	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
	Caution	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.









- The following symbols indicate two levels of cautions.

	When you see this symbol, you have to be very careful.
	When you see this symbol, you have to follow the instructions there.

Warning

	Do not look squarely into the laser light coming from the pickup. You may lose your sight.		Fuse Caution Always use a designated fuse. Use of an incorrect fuse may result in a fire.
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Caution

	Do not allow wiring to be caught in the screw/chassis. If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.		Battery Caution Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
	High Temperature Caution Touching the heat sink may cause severe burns.		Designated Parts Caution Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
	Reverse Power Supply Connections or Misconnections Caution Reverse power supply connections or misconnections may cause ignition problems and smoke may result.		Wiring Caution Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
	Soldering Caution Hot solder from solder splash may cause severe burns.		Wear Gloves Wear gloves to prevent electrical shocks or injury from the end face of the metal.

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Packing Assembly Parts List

Packing Method View

Adjustment Procedures

Extension Cable

Parts Layout on P.W.Boards and Wiring Diagram (Only CD Deck Mechanism)

Schematic Diagram (Only CD Deck Mechanism)

Terminal Voltage of IC/TR (Only CD Deck Mechanism)

Description of IC Terminal (Only CD Deck Mechanism μ -COM)

Electrical Parts List (Only CD Deck Mechanism)

Exploded View (CD Deck Mechanism) (DP23S2C0)

CD Deck Mechanism Assembly Parts List

Refer to the Service
Manual • CDM-7893R
(Part No. 68E33378S01).

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

CDA-7894RB

Specifications

< FM RADIO >

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	20.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	21.2dBf
Residual Noise (Ref. 400Hz (NARROW), at 98.1MHz)	28±10dB
S/N Ratio (at 98.1MHz)	Stereo : 55dB Mono : 58dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -10±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf

< MW RADIO >

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	36dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz)	50dB
IF Rejection (at 603kHz)	60dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 2.5kHz : -5+3, -5dB

< LW RADIO >

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	42dB
S/N Ratio (at 216kHz)	44dB
Image Rejection (at 270kHz)	50dB
IF Rejection (at 162kHz)	60dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB 2.5kHz : -5+3, -5dB

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<CD SECTION>

System	Optical (Compact Disc System)
Channel Balance (1kHz, CD : TCD-782, MP3 : SCD-4419 (FOLDER4-128kbps))	0±3dB
Distortion (1kHz, CD : TCD-782, MP3 : SCD-4419 (FOLDER4-128kbps))	0.3%
Frequency Response (Ref. 1kHz)	TCD-782 : 17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : -2±4dB SCD-4419 (FOLDER4-128kbps) : 17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : -2±4dB
S/N Ratio	TCD-782 : 80dB SCD-4419 (FOLDER4-128kbps) : 80dB
Separation	TCD-782 : 55dB SCD-4419 (FOLDER4-128kbps) : 55dB
De-Emphasis (Ref. 1kHz)	TCD-782 : 4kHz : -20±3dB 16kHz : -20±3dB

<Pickup>

Wave Length	795nm
Laser Power	CLASS I

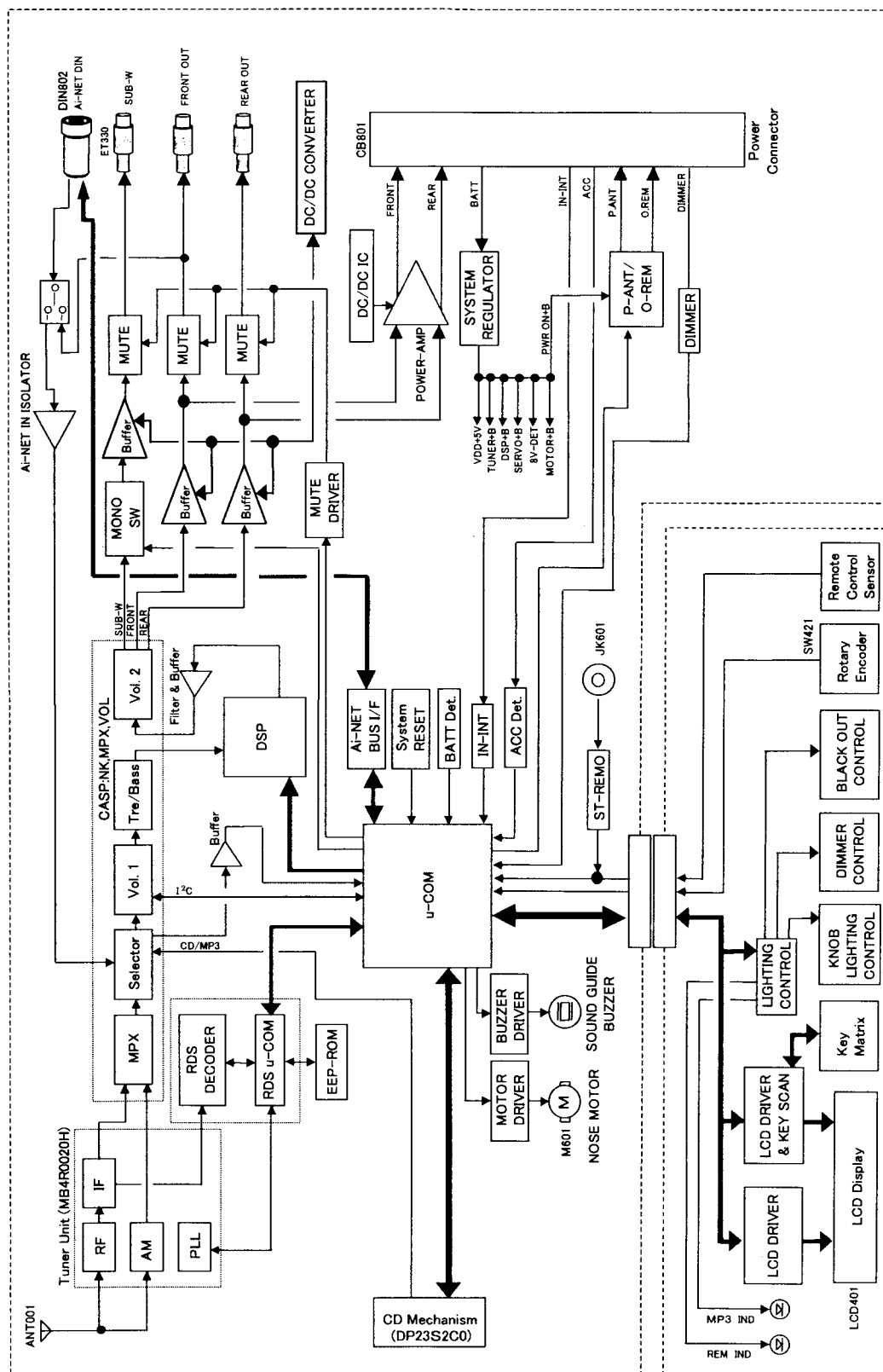
<GENERAL>

Power Supply	DC14.4V
Power Output (TCD-782 (0dB, 1kHz), T.H.D. 10%) /Impedance	25W/ch/4ohm
Pre Output (TCD-782 (0dB, 1kHz), T.H.D. 1%) /Impedance	FRONT, REAR, SUB-W : 4V±2.5dBV/ch/10k ohm
Dimensions (W×H×D)	Chassis : 178×50×158mm Nose Closed : 188×58×25.8mm Nose Opened : 188×58×52.3mm
Weight	1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

CDA-7894RB

Block Diagram



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

ANT001
ASSY,ANT CABLE 7892A

To Tuner Chassis

SHLD

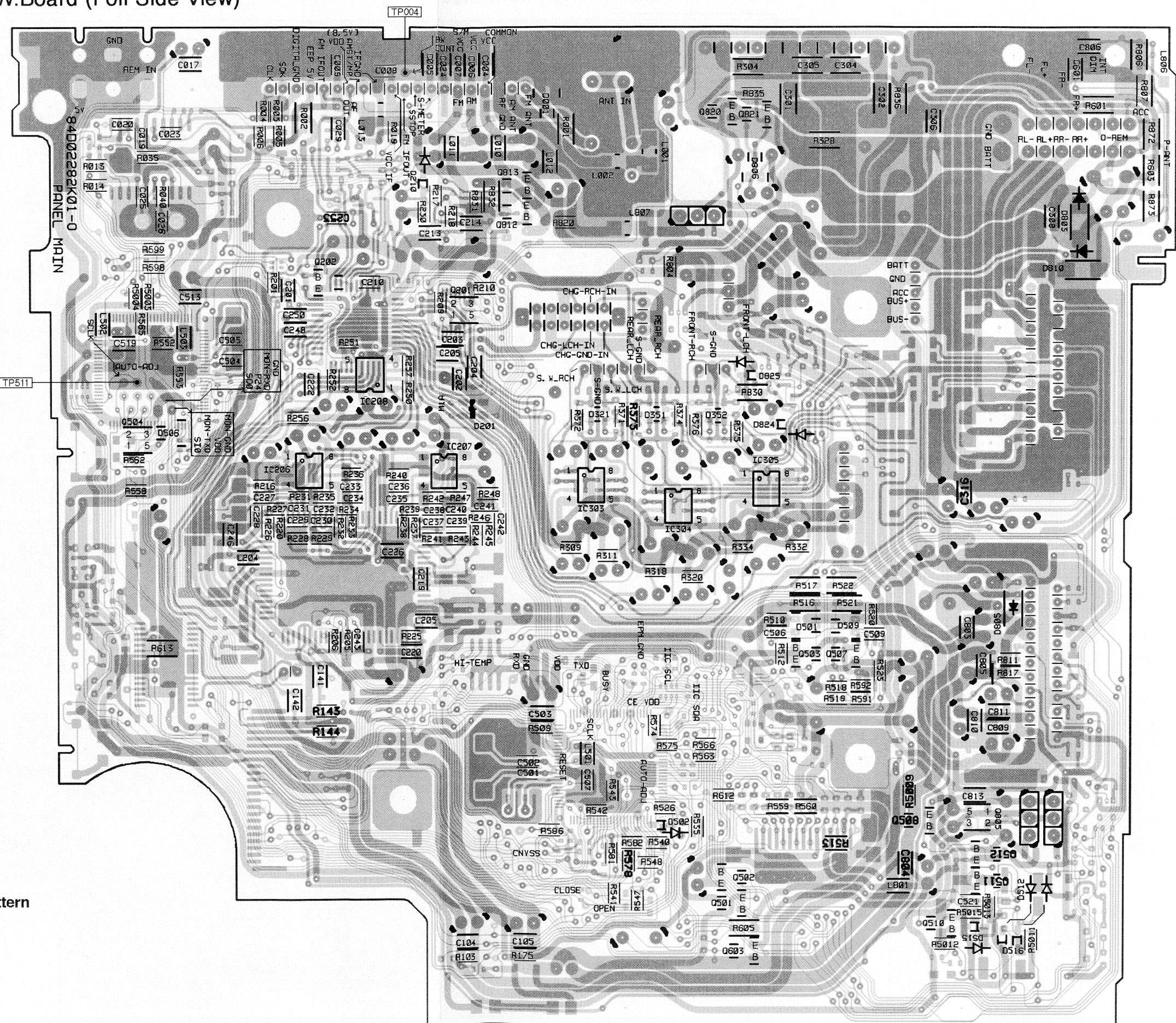
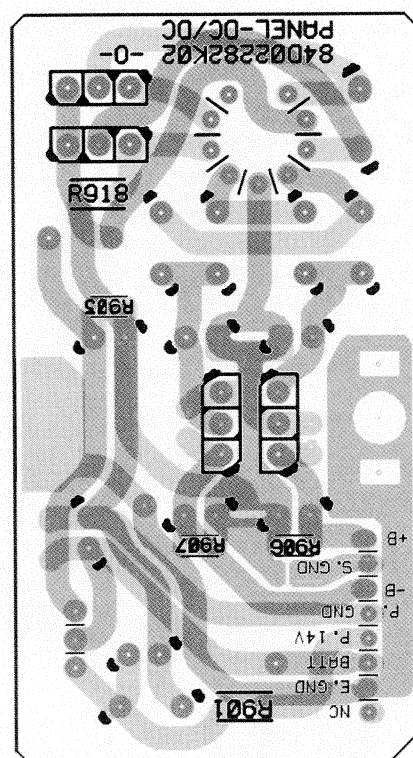
WHT (ANT)

BLK

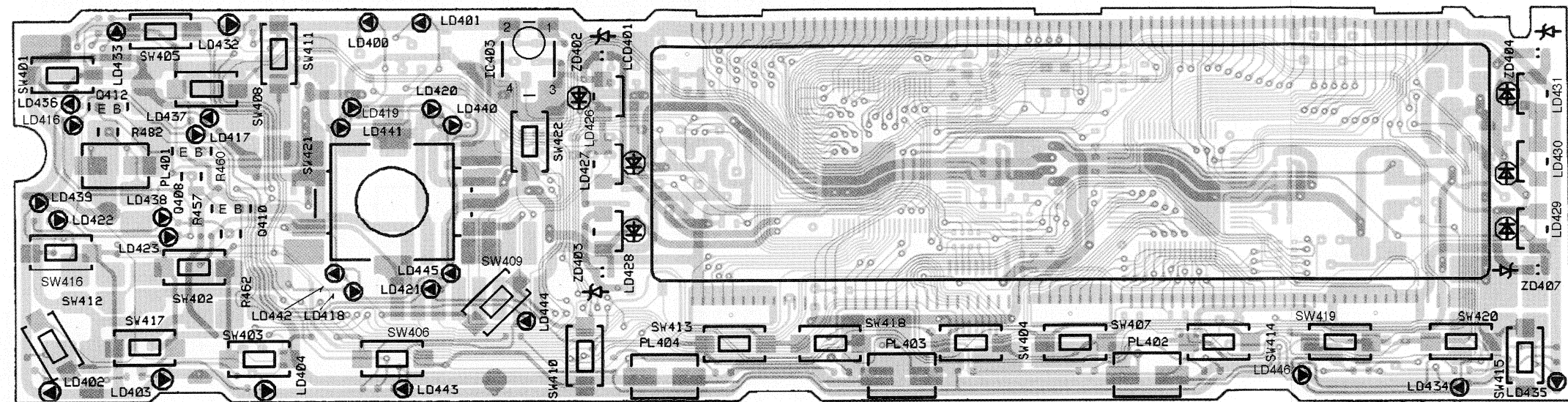


Parts Layout on P.W.Boards and Wiring Diagram (2/3)

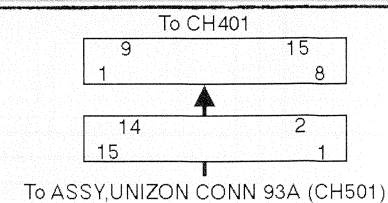
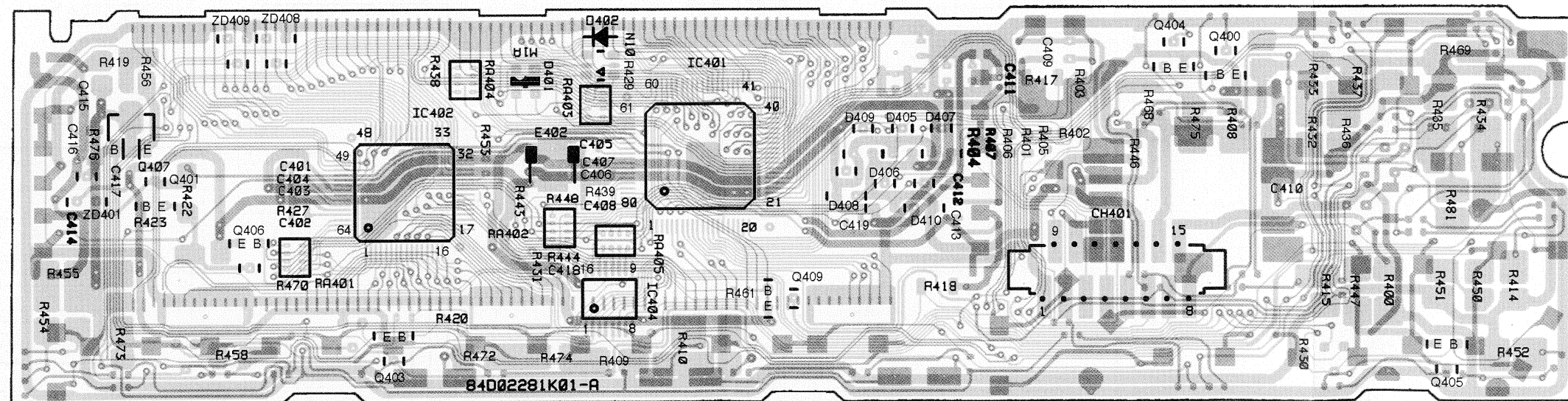
Main P.W.Board (Foil Side View)

DC/DC Converter P.W.Board
(Foil Side View)Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

1



2

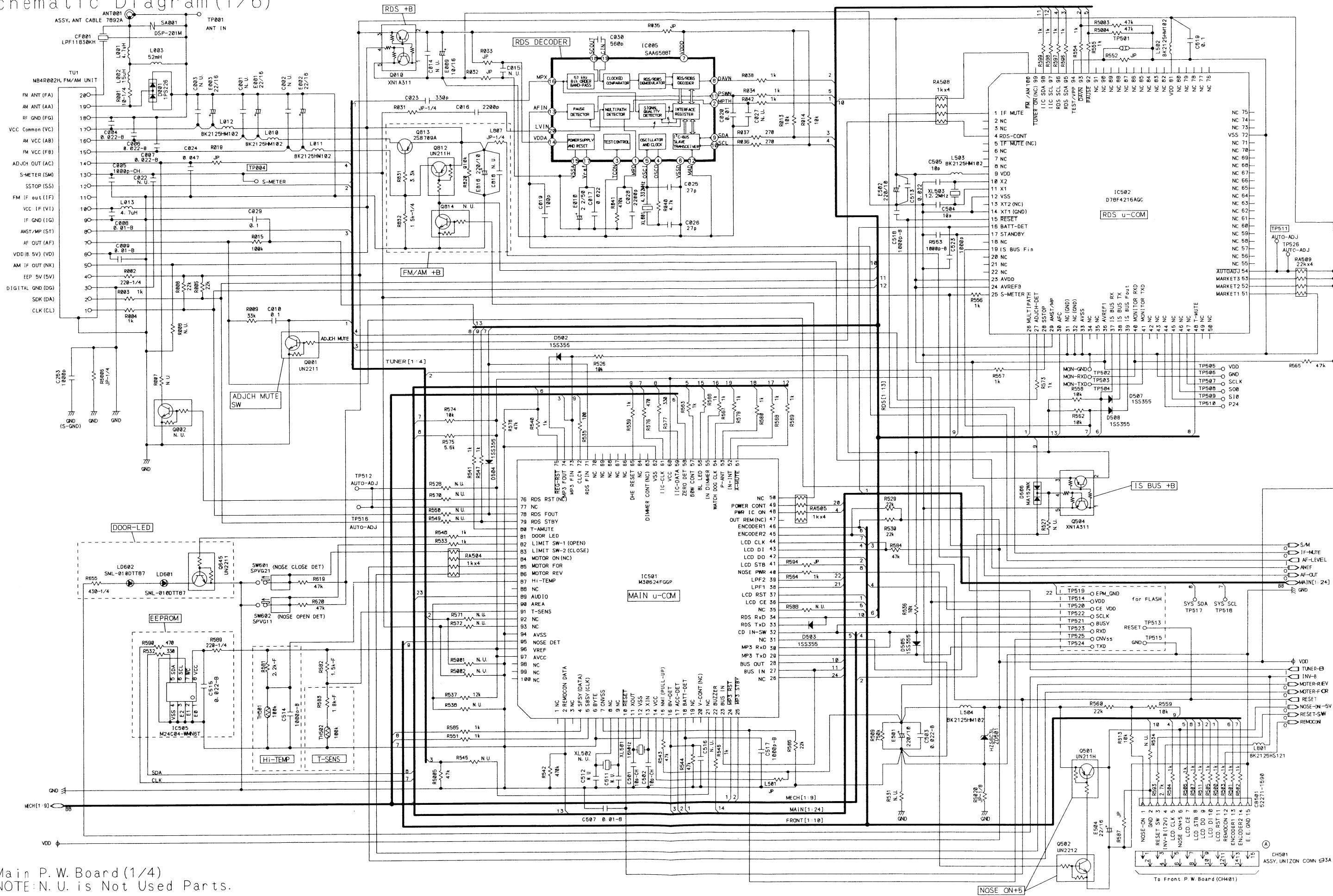


3

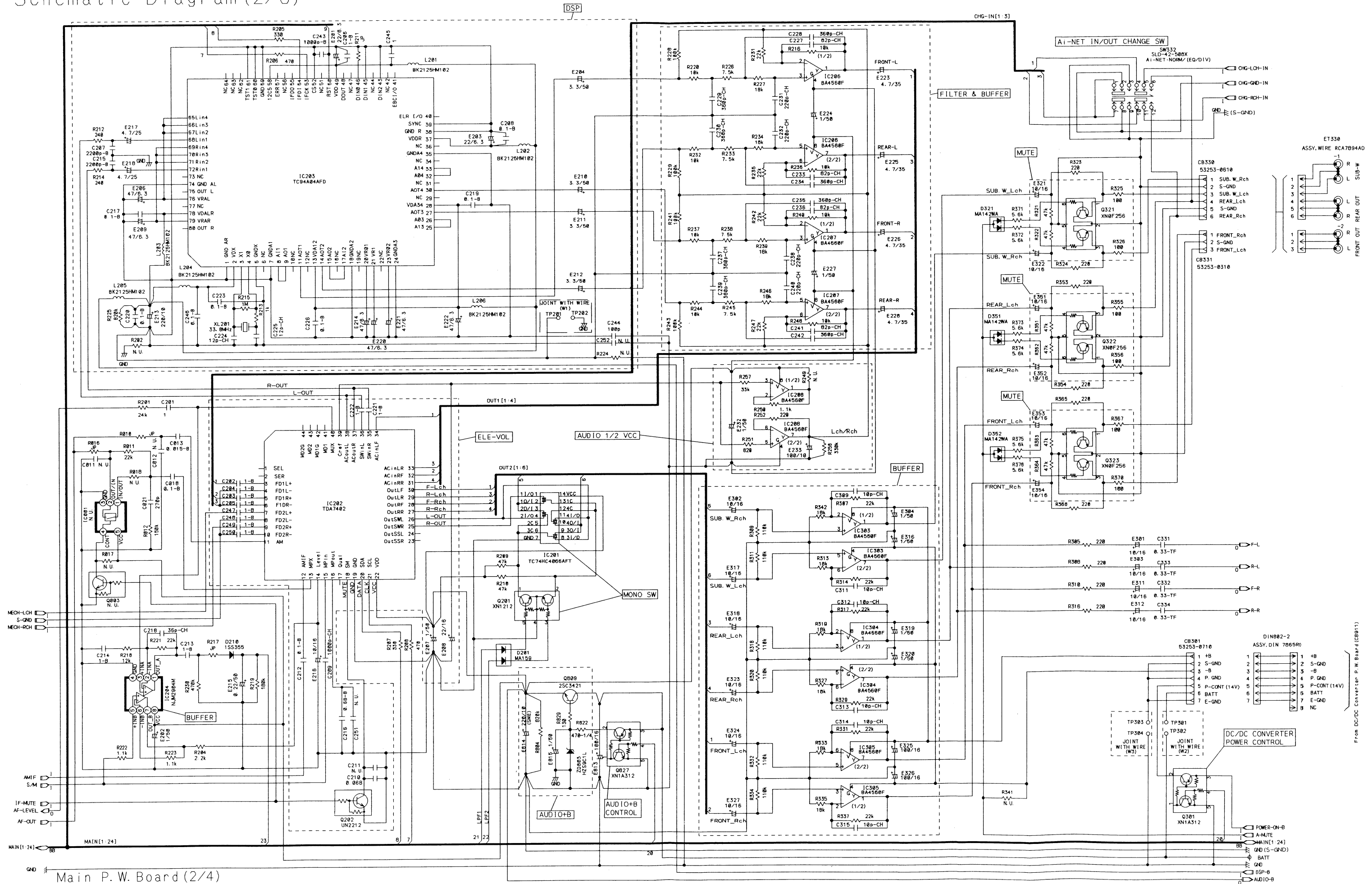
4

5

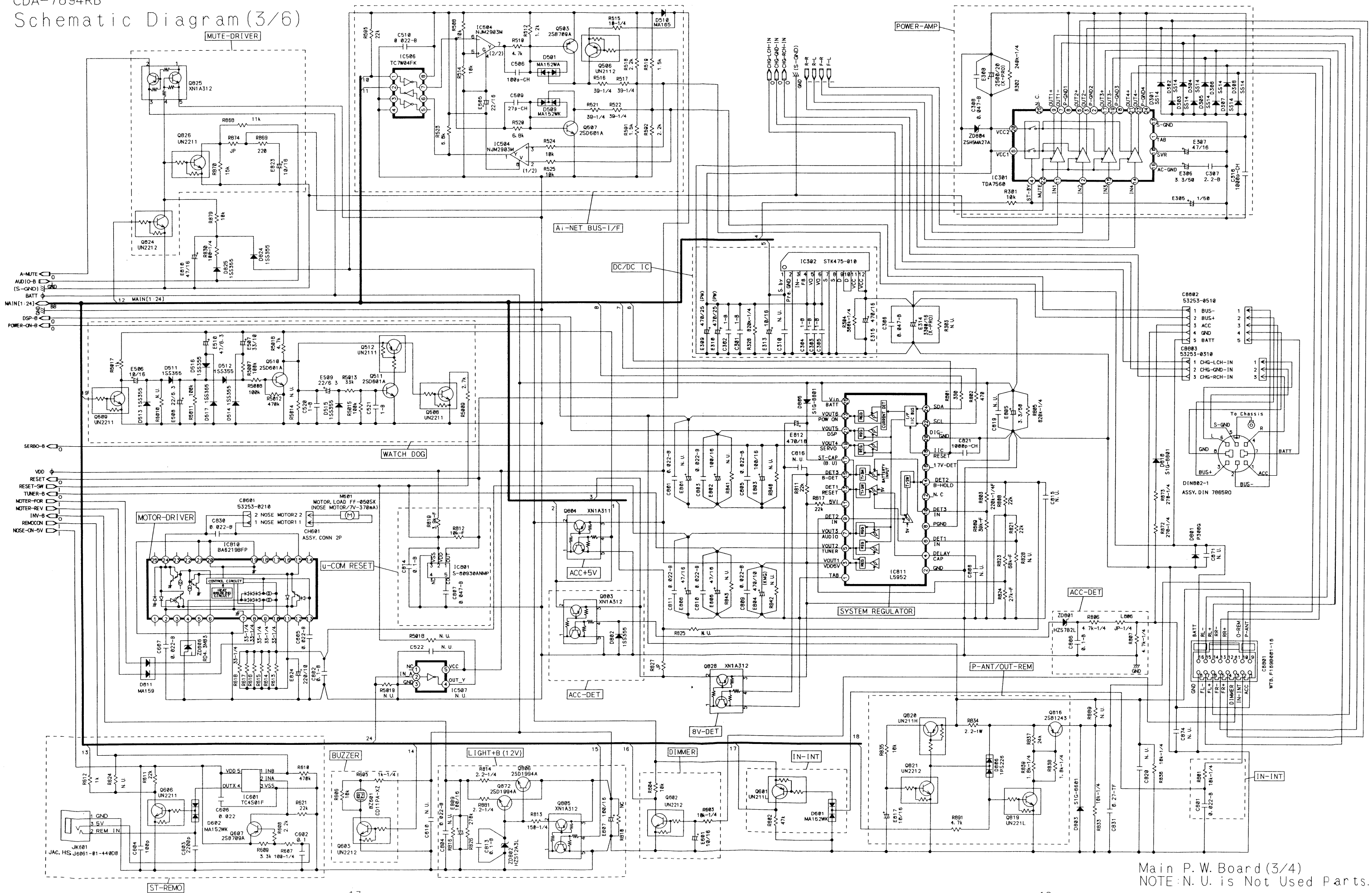
CDA-7894RB
Schematic Diagram (1/6)



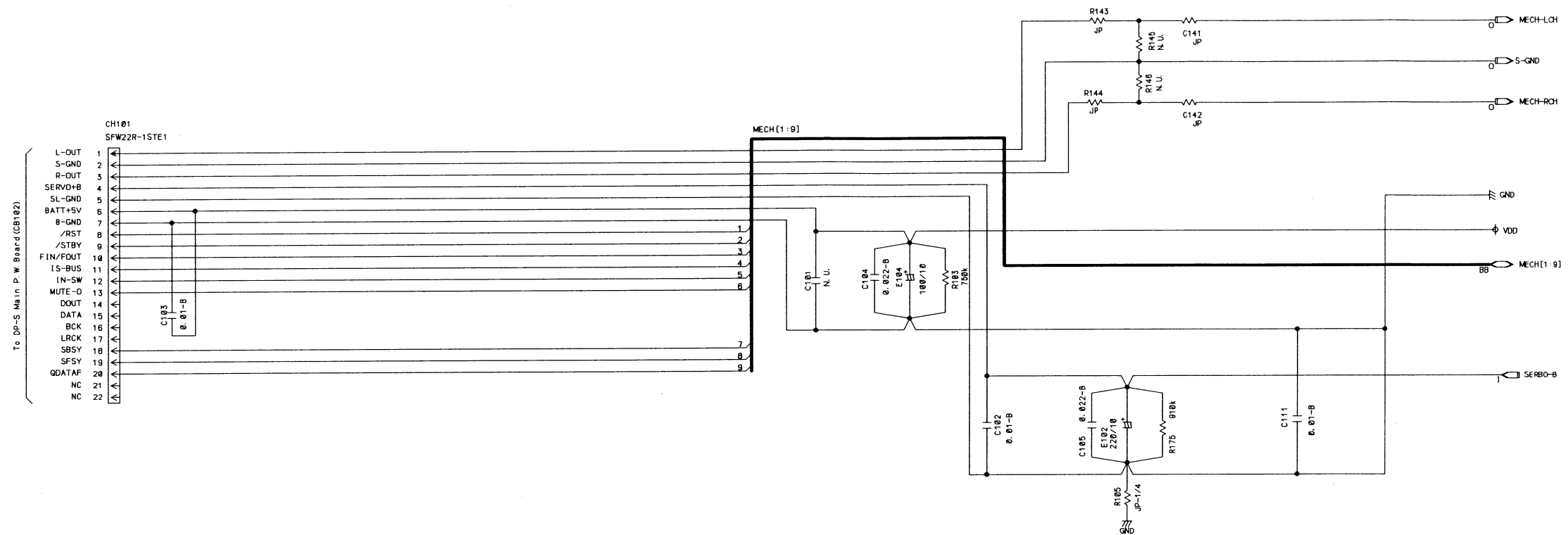
Main P. W. Board (1/4)
NOTE: N. U. is Not Used Parts.



CDA-7894RB Schematic Diagram (3/6)

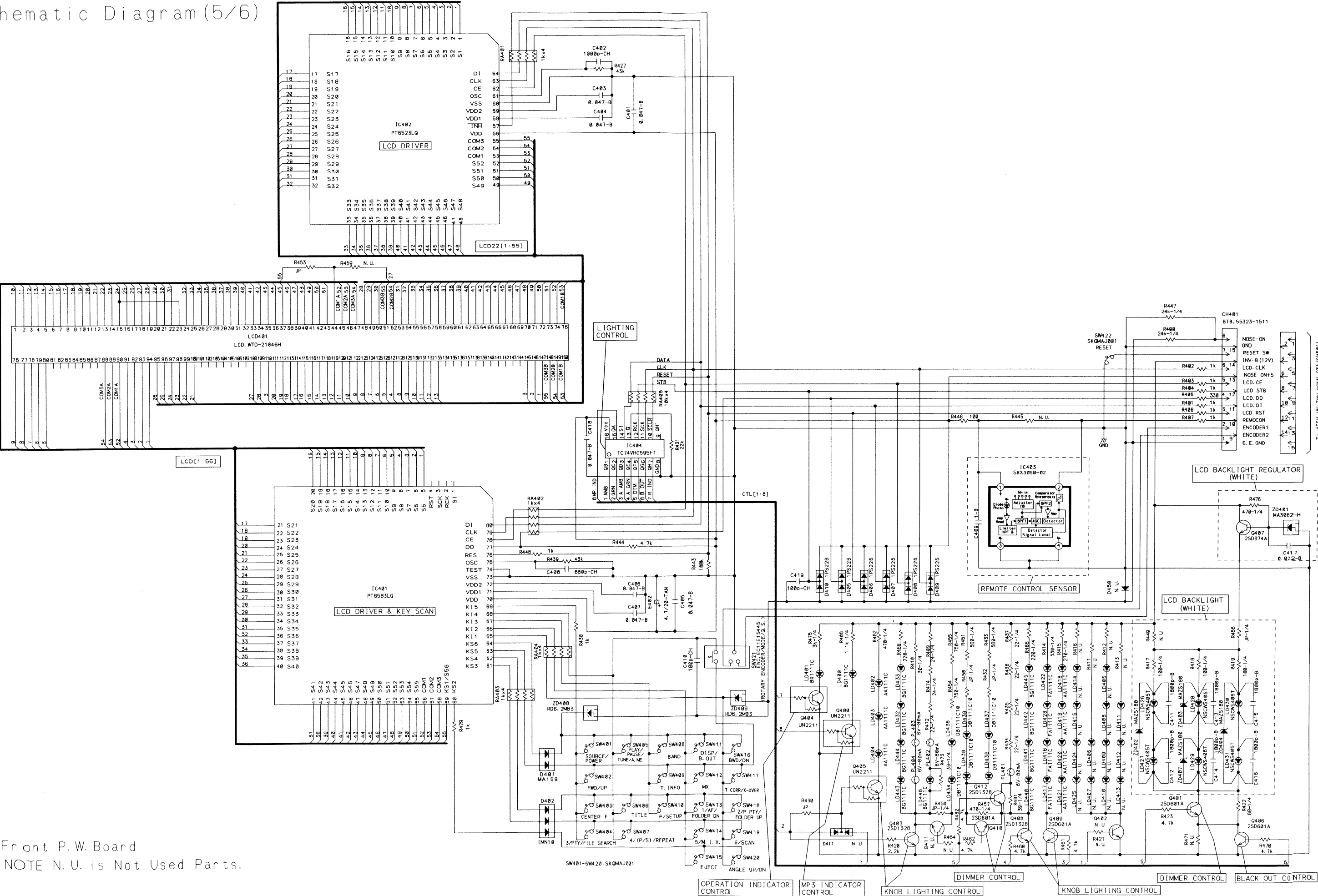


Schematic Diagram (4/6)



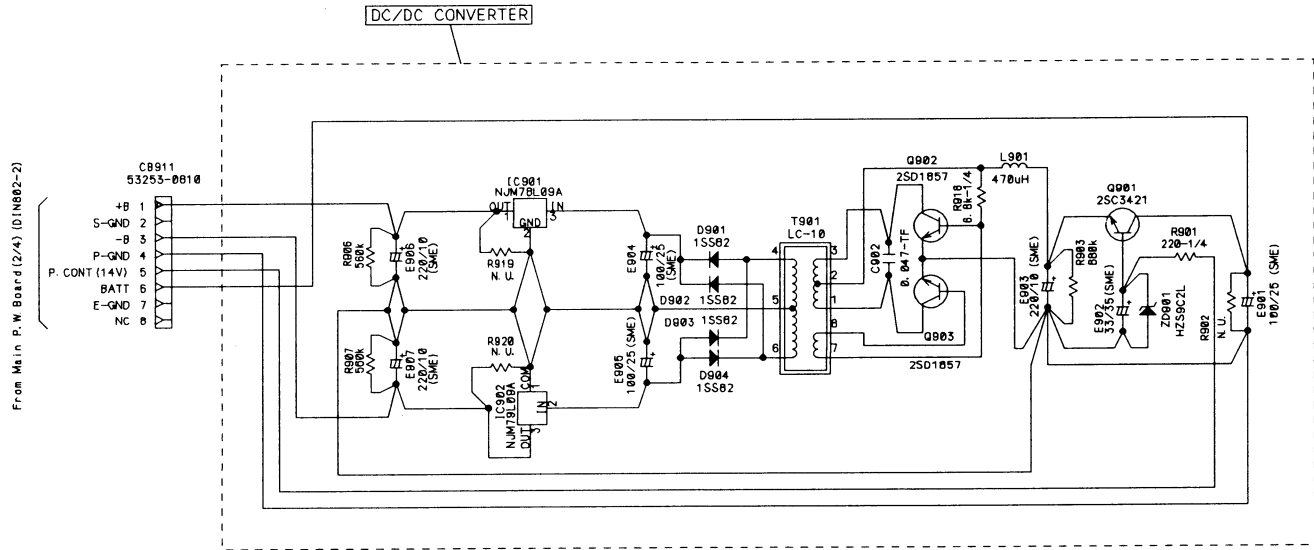
Main P. W. Board (4/4)
NOTE: N. U. is Not Used Parts.

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Schematic Diagram (5/6)



Front P.W. Board
NOTE: N.U. is Not Used Parts.

Schematic Diagram (6/6)



DC/DC Converter P.W. Board
NOTE: N. U. is Not Used Parts.

Terminal Voltage of IC/TR

IC005								
1	0	6	0	11	0/4.8	CD782:Trk1/Trk2	16	2.4
2	0	7	4.8	12	0		17	2.4
3	0	8	4.8	13	2.4		18	2.4
4	CLK	9	PS	14	4.8		19	2.4
5	CLK	10	PS	15	0		20	2.4

IC201					
1	4.4		8	4.4	
2	4.4		9	4.4	
3	4.4		10	4.4	
4	4.4		11	4.4	
5	0/8.7	LPF:FLAT/ON	12	8.7/0	LPF:FLAT/ON
6	0/8.7	LPF:FLAT/ON	13	8.7/0	LPF:FLAT/ON
7	0		14	8.8	

IC202									
1	NC	10	4.3	19	0	28	4.4	37	4.4
2	NC	11	4.3	20	4.9	29	4.4	38	4.4
3	4.3	12	4.3	21	4.9	30	4.4	39	4.4
4	4.3	13	4.3	22	8.7	31	4.3	40	4.4
5	4.3	14	4.3	23	NC	32	4.3	41	NC
6	4.3	15	0.7	24	NC	33	4.3	42	NC
7	4.3	16	4.3	25	4.4	34	4.3	43	NC
8	4.3	17	NC	26	4.4	35	4.3	44	NC
9	4.3	18	3.6	27	4.4	36	4.3		

IC203									
1	0	17	2.4	33	2.4	49	4.9	65	2.4
2	4.9	18	0	34	NC	50	4.9	66	2.4
3	CLK	19	NC	35	0	51	NC	67	2.4
4	CLK	20	2.5	36	NC	52	0	68	2.4
5	0	21	2.5	37	4.9	53	PS	69	2.4
6	NC	22	NC	38	0	54	PS	70	2.4
7	0	23	2.3	39	0	55	NC	71	2.4
8	2.5	24	0	40	NC	56	NC	72	2.4
9	2.5	25	2.4	41	NC	57	NC	73	NC
10	NC	26	2.4	42	NC	58	4.9	74	0
11	2.5	27	2.4	43	0	59	0	75	NC
12	NC	28	4.9	44	NC	60	0	76	2.4
13	4.9	29	NC	45	0	61	0	77	NC
14	2.4	30	2.4	46	0	62	NC	78	4.9
15	2.4	31	NC	47	NC	63	NC	79	2.4
16	NC	32	2.4	48	NC	64	NC	80	NC

IC204		
1	4.4	
2	4.4	
3	4.4	
4	0	
5	4.2/0	TUNER/DISK
6	4.2/0	TUNER/DISK
7	4.2/0	TUNER/DISK
8	8.8	

IC206	
1	4.4
2	4.4
3	4.3
4	0
5	4.3
6	4.4
7	4.4
8	8.8

IC207	
1	4.4
2	4.4
3	4.3
4	0
5	4.3
6	4.4
7	4.4
8	8.8

IC208	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8

IC301							
1	0		10	6.9	19	6.8	
2	0		11	6.9	20	14.1	
3	6.8		12	6.8	21	6.8	
4	0/4.9	STBY:ON/OFF	13	0	22	0/5.1	MUTE:ON/OFF
5	6.8		14	6.9	23	6.8	
6	14.1		15	6.9	24	0	
7	6.8		16	6.9	25	NC	
8	0		17	6.8			
9	6.8		18	0			

IC302			
1	0	7	0
2	0	8	0
3	NC	9	14.3
4	14	10	14.3
5	14	11	14.3
6	14	12	14.3

IC303	
1	0
2	0
3	0
4	-8.9
5	0
6	0
7	0
8	9

IC304	
1	0
2	0
3	0
4	-8.9
5	0
6	0
7	0
8	9

IC305	
1	0
2	0
3	0
4	-8.9
5	0
6	0
7	0
8	9

IC401									
1	NC	17	PS	33	PS	49	PS	65	PS
2	NC	18	PS	34	PS	50	PS	66	PS
3	NC	19	PS	35	PS	51	PS	67	PS
4	NC	20	PS	36	PS	52	PS	68	PS
5	PS	21	PS	37	PS	53	PS	69	PS
6	PS	22	PS	38	PS	54	PS	70	4.9
7	PS	23	PS	39	PS	55	PS	71	3.2
8	PS	24	PS	40	PS	56	PS	72	1.6
9	PS	25	PS	41	PS	57	PS	73	0
10	PS	26	PS	42	PS	58	PS	74	0
11	PS	27	PS	43	PS	59	PS	75	PS
12	PS	28	PS	44	PS	60	PS	76	4.9
13	PS	29	PS	45	PS	61	PS	77	PS
14	PS	30	PS	46	PS	62	PS	78	PS
15	PS	31	PS	47	PS	63	PS	79	CLK
16	PS	32	PS	48	PS	64	PS	80	PS

IC402									
1	PS	14	PS	27	PS	40	PS	53	PS
2	PS	15	PS	28	PS	41	PS	54	PS
3	PS	16	PS	29	PS	42	PS	55	PS
4	PS	17	PS	30	PS	43	PS	56	4.9
5	PS	18	PS	31	PS	44	PS	57	4.9
6	PS	19	PS	32	PS	45	PS	58	3.2
7	PS	20	PS	33	PS	46	PS	59	1.6
8	PS	21	PS	34	PS	47	PS	60	0
9	PS	22	PS	35	PS	48	PS	61	PS
10	PS	23	PS	36	PS	49	PS	62	PS
11	PS	24	PS	37	PS	50	PS	63	PS
12	PS	25	PS	38	PS	51	PS	64	PS
13	PS	26	PS	39	PS	52	PS		

IC403	
1	4.8
2	PS
3	0
4	0

IC404					
1	NC		9	NC	
2	4.9	GREEN	10	PS	
3	4.9	AUDIO AMBER	11	PS	
4	4.9	AUDIO GREEN	12	PS	
5	4.8/0	DIMMER:OFF/ON	13	0	
6	0.1/4.9	B-OUT:OFF/ON	14	PS	
7	4.9	REM IND	15	0/4.9	CD/MP3
8	0		16	4.9	

IC501					
1	NC		51	4.9/0	MUTE:OFF/ON
2	PS	at Input REMO-CON	52	0/4.9	IN-INT:OFF/ON
3	NC		53	4.9/0	TUNER/DISC
4	PS	TEXT DISC first reading	54	CLK	
5	CLK	TEXT DISC first reading	55	4.9/0	ILLM:OFF/ON
6	0		56	4.9	
7	0		57	0	
8	NC		58	4.9/0	Obit MUTE ON/OFF
9	NC		59	PS	
10	4.9		60	4.9	
11	CLK		61	PS	
12	0		62	0	
13	CLK		63	NC	
14	4.9		64	NC	
15	4.9		65	4.9	
16	4.9		66	NC	
17	4.9		67	NC	
18	4.9		68	NC	
19	NC		69	NC	
20	NC		70	NC	
21	NC		71	PS	
22	0/PS	BUZZER:OFF/ON	72	CLK	MP3 DISC first reading
23	PS		73	4.9/PS	TUNER/DISK
24	4.9		74	4.9/PS	TUNER/DISK
25	0/4.9	TUNER/DISK	75	4.9	
26	NC		76	NC	
27	PS		77	NC	
28	PS		78	PS	
29	4.9/PS	TUNER/DISK	79	4.9	
30	4.9/PS	TUNER/DISK	80	4.9	
31	NC		81	0/4.9	Nose:Close/Open
32	4.9/0	CD IN/OUT	82	4.9/0	Nose:Close/Open
33	PS		83	0/4.9	Nose:Close/Open
34	PS		84	NC	
35	NC		85	4.9	at active NOSE Opened
36	PS		86	4.9	at active NOSE Closed
37	4.9		87	4.7	
38	4.9/0	LPF:FLAT/ON	88	NC	
39	0/4.9	LPF:FLAT/ON	89	-	
40	4.9		90	4.9	
41	PS		91	4.6	
42	PS		92	NC	
43	PS		93	NC	
44	PS		94	0	
45	PS		95	2.5	
46	PS		96	4.9	
47	NC		97	4.9	
48	4.9/0	PWR IN:ON/OFF	98	NC	
49	4.9		99	NC	
50	NC		100	NC	

IC502					
1	0/Lo or Hi	at receiving RDS : OFF/ON	51	0	
2	NC		52	4.9	
3	NC		53	4.9	
4	0		54	4.9	
5	NC		55	NC	
6	NC		56	NC	
7	NC		57	NC	
8	NC		58	NC	
9	4.9		59	NC	
10	CLK		60	NC	
11	CLK		61	NC	
12	0		62	NC	
13	NC		63	NC	
14	0		64	NC	
15	4.9		65	NC	
16	4.9		66	NC	
17	4.5		67	NC	
18	NC		68	NC	
19	PS		69	NC	
20	NC		70	NC	
21	NC		71	NC	
22	NC		72	0	
23	4.9		73	NC	
24	4.9		74	NC	
25	0.7		75	NC	
26	0		76	NC	
27	0.1/3.8	SEEK STOP/SEEK	77	NC	
28	3.9/PS	SEEK STOP/SEEK	78	NC	
29	4.2/0	AM:SEEK STOP/SEEK	79	NC	
30	2.95		80	NC	
31	0		81	5	
32	0		82	NC	
33	0		83	NC	
34	NC		84	NC	
35	NC		85	NC	
36	5		86	NC	
37	PS		87	NC	
38	PS		88	NC	
39	PS		89	NC	
40	5		90	NC	
41	5		91	NC	
42	NC		92	0/4.7	CD782:Trk1/Trk2
43	NC		93	4.7	
44	NC		94	0.8	
45	NC		95	PS	
46	NC		96	PS	
47	NC		97	4.9/PS	TUNER:BAND KEY OFF/ON
48	5/PS	DISC/TUNER	98	4.9/PS	
49	NC		99	NC	
50	NC		100	0.1/8.25	

CDA-7894RB

IC504	
1	PS
2	PS
3	PS
4	0
5	2.4
6	PS
7	PS
8	4.9

IC505	
1	0
2	0
3	0
4	0
5	PS
6	PS
7	0
8	4.9

IC506	
1	PS
2	PS
3	0
4	0
5	NC
6	PS
7	PS
8	4.9

IC601	
1	4.5
2	0
3	0
4	0
5	4.9

IC801	
1	4.9
2	4.9
3	0
4	NC
5	0

IC810					
1	NC		14	NC	
2	5.8	at active NOSE Opened	15	0/4.0	Nose:Open/Close
3	NC		16	NC	
4	3.7	at active NOSE Motor	17	NC	
5	NC		18	NC	
6	3.9	Nose Open	19	0	
7	0		20	0	
8	3.9	Nose Close	21	0	
9	NC		22	NC	
10	8.4		23	NC	
11	8.4		24	4.0/0	Nose:Open/Close
12	NC		25	NC	
13	5.8	at active NOSE Closed			

IC811								
1	0	8	0	15	2.6		22	PS
2	0	9	1.4	16	NC		23	14.3
3	4.9	10	2.1	17	13.6		24	PS
4	4.4	11	4.9	18	4.8/0	RESET:OFF/ON	25	14.3
5	8.2	12	NC	19	6.9			
6	4.9	13	NC	20	0			
7	8.4	14	4.9	21	4.9			

IC901	
1	9
2	0
3	13.4

IC902	
1	0
2	-13.4
3	-9

REF No	1	2	3	4	5	6	MODE
Q321	0	0	0	0/6.4	0	0/6.4	MUTE:OFF/ON
Q322	0	0	0	0/6.3	0	0/6.4	MUTE:OFF/ON
Q323	0	0	0	0/6.3	0	0/6.4	MUTE:OFF/ON

REF No	1	2	3	4	5	MODE
Q010	NC	4.8	4.9	8.3	0	
Q201	0/8.7	8.7/0	0/4.4	0	4.4/0	Sub.W :LPF ON/FLAT
Q301	NC	14.1/0.4	14.3/0	4.5/0	0	POWER:ON/OFF
Q504	NC	4.9	4.9	4.4/4	0	DISK/FM
Q803	NC	4.9/0	4.9	6.4/0	0	ACC:ON/OFF
Q804	NC	4.9/0	4.9	4.9/0	0	ACC:ON/OFF
Q805	NC	14.2/0	14	4.7/0	0	POWER:ON/OFF
Q825	NC	0	14.3/0	0/3.5	0/14.3	MUTE:OFF/ON
Q827	NC	14.0/0	14	4.7/0	0	POWER:ON/OFF
Q828	NC	4.9	4.9	2.7	0	

REF No	E	C	B	MODE	REF No	E	C	B	MODE
Q001	0	PS	0		Q512	0	0	0	
Q202	0	3.6	0		Q601	4.9	0/4.8	8.9/3.0	IN-INT:OFF/ON
Q400	0.1/0.2	10.2/0.2	0.1/4.9	MP3 IND:OFF/ON	Q602	0	4.9/0	0/10.2	DIMER:OFF/ON
Q401	0	0.2/1.8	0.8/0	DIM:OFF/ON	Q603	0	14.2/PS	0/PS	BUZER:OFF/ON
Q403	0	0.1	0.8		Q606	0	4.7	0	
Q404	0	0	4.8		Q607	4.9	0	4.9	
Q405	0	0.1	4.8		Q645	0	9.1/0	0/4.5	Others/ NOSE FULL OPEN
Q406	0.2	4.1/0.3	0.2/0.9	B·OUT:OFF/ON	Q806	12.3/0	14	13.0/0	BL LED:ON/OFF
Q407	7.9	11.8	8.5		Q809	8.7/0	14	9.3/0	POWER:ON/OFF
Q408	0	0.2/12.1	0.7/0	GRN/AMB	Q812	8.2	8.1/2.0	0/8.2	FM/AM
Q409	0	6.9/0.1	0/0.8	GRN/AMB	Q813	8.22	0/8.1	8.1/7.4	FM/AM
Q410	0.2/0.1	0.83/5.5	0.9/0	DIM:OFF/ON	Q816	14	0/14.3	14.3/13.6	DISC/FM
Q412	0.2/0.1	0.2/2.6	0.8/0	DIM:OFF/ON	Q819	0	14.3/0	0/2.5	DISC/FM
Q501	4.9	4.9/1.2	0/4.9	ACC:ON/OFF	Q820	14.3	14.3	0	
Q502	0	0/4.9	4.7/0	ACC:ON/OFF	Q821	0	0	9.9	
Q503	4.9	2.0/PS	4.9/PS	CHGER:OFF/ON	Q824	0	0/3.5	4.7/0	MUTE:OFF/ON
Q506	4.9	2.0/PS	4.9/PS	RESET:OFF/ON	Q826	0	5.0/0	0/3.5	MUTE:OFF/ON
Q507	0/4.8	2.9/PS	0/PS	CHGER:OFF/ON	Q872	12.4/0	14	13.1/0	BL LED:ON/OFF
Q508	0	4.9	0		Q901	0	14.4	10	
Q509	0	PS	PS		Q902	0	9.2	-0.8	
Q510	0	0	0.6		Q903	0	9.2	-0.8	
Q511	0	0	0						

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Conditions : FM : 98.1MHz
AM : 999KHz
CD : at playing Disc

Description of IC Terminal

M30624FGGP : IC501

No.	Symbol	I/O	Terminal Description
1	NC	-	No connect terminal.
2	REMOCON DATA	I	Remote Control data input terminal.
3	NC	-	No connect terminal.
4	SFSY(DATA)	I	Data signal input terminal from MP3 μ -COM.
5	SBSY(CLK)	O	Data clock signal output terminal to MP3 μ -COM.
6	BYTE	-	GND connect terminal.
7	CNVSS		
8	NC	-	No connect terminal.
9			
10	RESET	I	System RESET input terminal.
11	XOUT	O	Crystal connect terminal for main system clock OSC.
12	VSS	-	GND connect terminal.
13	XIN	I	Crystal connect terminal for main system clock OSC.
14	VCC	-	Power supply terminal.
15	NMI (PULL-UP)	-	Pull-up connect terminal.
16	8V-DET	I	8V detect signal input terminal.
17	ACC-DET	I	ACC detect signal input terminal.
18	BATT-DET	I	BATT detect signal input terminal.
19	NC	-	No connect terminal.
20	V-CONT (NC)		
21	NC		
22	BUZZER	O	BUZZER signal output terminal.
23	BUS IN	I	Data serial signal input terminal from Ai-NET BUS.
24	MP3 RST	O	System RESET signal output terminal to MP3 μ -COM.
25	MP3 STBY	O	Active stand-by request signal output terminal to MP3 μ -COM.
26	NC	-	No connect terminal.
27	BUS IN	I	Data serial signal input terminal from Ai-NET BUS.
28	BUS OUT	O	Data serial signal output terminal to Ai-NET BUS.
29	MP3 TxD	O	Command data output terminal to MP3 μ -COM.
30	MP3 RxD	I	Status data input terminal from MP3 μ -COM.
31	NC	-	No connect terminal.
32	CD IN-SW	I	DISC insert detect SW signal input terminal.
33	RDS TxD	O	Command data signal output terminal to RDS μ -COM.
34	RDS RxD	I	Status data input terminal from RDS μ -COM.
35	NC	-	No connect terminal.
36	LCD CE	O	Chip enable signal output terminal to LCD Driver.
37	LCD RST	O	RESET signal output terminal to LCD Driver.
38	LPF1	O	SUB.W ST/MONO switching control output terminal.
39	LPF2		
40	NOSE PWR	O	Power SW output terminal to around NOSE circuit.
41	LCD STB	O	Strobe signal output terminal to LCD Driver.
42	LCD DO	O	Serial data signal output terminal to LCD Driver.
43	LCD DI	I	Serial data signal input terminal from LCD Driver.
44	LCD CLK	O	Serial clock signal output terminal to LCD Driver.
45	ENCODER2	I	ENCODER2 input terminal.
46	ENCODER1	I	ENCODER1 input terminal.

No.	Symbol	I/O	Terminal Description
47	OUT REM(NC)	-	No connect terminal.
48	PWR IC ON	0	Power-IC stand-by control signal output terminal.
49	POWER CONT	0	Power control signal output terminal.
50	NC	-	No connect terminal.
51	A-MUTE	0	Audio MUTE signal output terminal.
52	IN-INT	I	Outer interrupt signal input terminal.
53	P-ANT	0	Outer P-ANT control signal output terminal.
54	WATCH DOG CLK	0	Pulse output terminal.
55	IN DIMMER	I	Outer DIMMER detect signal input terminal.
56	BL LED	0	LED control signal output terminal for LCD backlight.
57	60W CONT	0	60W AMP control signal output terminal.
58	ZERO DET	I	Obit MUTE signal input terminal from MP3 μ -COM.
59	IIC-DATA	I/O	Serial data signal input/output terminal for IIC system control.
60	VCC	-	Power supply terminal.
61	IIC-CLK	0	Clock signal output terminal for IIC system control.
62	VSS	-	GND connect terminal.
63	DIMMER CONT(NC)	-	No connect terminal.
64	NC		
65	DHE RESET	0	RESET signal output terminal to DHE-IC.
66	NC	-	No connect terminal.
67			
70			
71	RDS FIN	I	Status data input terminal from RDS μ -COM.
72	CLK	I	Sync. clock signal input terminal from MP3 μ -COM.
73	MP3 FIN	I	Data-IN signal input terminal from MP3 μ -COM.
74	MP3 FOUT	0	Data-OUT signal output terminal to MP3 μ -COM.
75	REG-RST	0	RESET signal output terminal to System Power-IC.
76	RDS RST(NC)	-	No connect terminal.
77	NC		
78	RDS FOUT	0	Data-OUT signal output terminal to RDS μ -COM.
79	RDS STBY	0	Stand-by signal output terminal to RDS μ -COM.
80	T-AMUTE	I	A-MUTE signal input terminal from RDS μ -COM.
81	DOOR LED	0	DOOR LED lighting control output terminal.
82	LIMIT SW-1(OPEN)	I	Open Limit SW signal input terminal.
83	LIMIT SW-2(CLOSE)	I	Close Limit SW signal input terminal.
84	MOTOR ON(NC)	-	No connect terminal.
85	MOTOR FOR	0	Active NOSE Motor forward driving signal output terminal.
86	MOTOR REV	0	Active NOSE Motor backward driving signal output terminal.
87	Hi-TEMP	I	CD mechanism temperature detect signal input terminal.
88	NC	-	No connect terminal.
89	AUDIO	I	A/D data input terminal from Audio Level signal.
90	AREA	I	Area/Function definition port.
91	T-SENS	I	60W temperature detect signal input terminal.
92	NC	-	No connect terminal.
93			
94	AVSS	-	GND connect terminal of A/D Converter.
95	NOSE DET	I	NOSE attached detect terminal.
96	VREF	-	Standard voltage input terminal of A/D Converter.
97	AVCC	-	Power supply input terminal of A/D Converter.

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No.	Symbol	I/O	Terminal Description
98	NC	-	No connect terminal.
99			
100			

D78F4216AGC : IC502

No.	Symbol	I/O	Terminal Description
1	IF MUTE	0	IF MUTE control terminal. (H:IF MUTE ON)
2	NC	-	No connect terminal.
3			
4	RDS-CONT	0	RDS data input prevention control terminal of adjoining station. (H:RDS OFF)
5	IF MUTE(NC)	-	No connect terminal.
6	NC		
7			
8			
9	VDD	-	Power supply terminal.
10	X2	-	Crystal OSC connect terminal for main system clock OSC. (12.288MHz)
11	X1		
12	VSS	-	GND connect terminal.
13	XT2(NC)	-	No connect terminal.
14	XT1(GND)	-	GND connect terminal.
15	RESET	I	System reset input terminal.
16	BATT-DET	I	BATT compulsion stand-by signal input terminal from VDD IC.
17	STANDBY	I	Stand-by signal input terminal from Main μ -COM.
18	NC	-	No connect terminal.
19	IS BUS Fin	I	IS BUS frame signal input terminal.
20	NC	-	No connect terminal.
21			
22			
23	AVDD	-	Analog power supply terminal of A/D converter.
24	AVREF0	I	Standard voltage input terminal of A/D converter.
25	S-METER	I	Signal-Meter input terminal.
26	MULTIPATH	I	Multipath input terminal of RDS Decoder.
27	ADJCH-DET	I	Adjoining station detect input terminal.
28	SSTOP	I	FM station detect signal input terminal.
29	AMST/MP	I	SEEK STOP detect input terminal at AM. (H:Station ON)
30	AFC	I	FM station detect signal input terminal.
31	NC(GND)	-	GND connect terminal.
32			
33	AVSS	-	GND terminal of A/D converter.
34	NC	-	No connect terminal.
35			
36	AVREF1	I	Standard voltage input terminal of D/A converter.
37	IS BUS RX	I	IS BUS receiving terminal.
38	IS BUS TX	0	IS BUS transmitting terminal.
39	IS BUS Fout	0	IS BUS frame signal output terminal.
40	MONITOR RXD	I	Command input terminal for RDS monitor (P/C). (Pull-up connect)
41	MONITOR TXD	0	Status output terminal for RDS monitor (P/C).

No.	Symbol	I/O	Terminal Description
42	NC	-	No connect terminal.
43			
47			
48	T-MUTE	0	MUTE signal output terminal to Main μ -COM.
49	NC	-	No connect terminal.
50			
51	MARKET1	I	Area set up terminal.
52	MARKET2		
53	MARKET3		
54	AUTO-ADJ	I	Auto adjustment start signal terminal of FM/AM TUNER. (L : start)
55	NC	-	No connect terminal.
70			
71			
72	VSS	-	GND connect terminal.
73	NC	-	No connect terminal.
74			
80			
81	VDD	-	Power supply terminal.
82	NC	-	No connect terminal.
83			
91			
92	PAUSE	I	Audio signal detect terminal. (L : Blank)
93	DAVN	I	Data available input terminal of RDS Decoder.
94	TEST/VPP	-	GND connect terminal.
95	RDS SDA	I/O	Data input/output terminal to RDS Decoder.
96	B	0	Clock output terminal to RDS Decoder.
97	IIC SCL	0	IIC clock output terminal to TUNER-IC(TDA7511).
98	IIC SDA	I/O	IIC data input/output terminal to TUNER-IC(TDA7511).
99	TUNER ON(NC)	-	No connect terminal.
100	FM/AM	0	FM/AM power supply switching terminal. (L:FM)

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Electrical Parts List

Capacitor : μ F=microfarads,pF=picofarads

Abbreviations		
RES.= Resistor	CAP.= Capacitor	
C.F.= Carbon Film	ELY.= Electrolytic	
M.F.= Metal Film	CER.= Ceramic	
M.O.= Metal OxideFilm	MYL.= Mylar	
M.P.= Metal Plate	TAN.= Tantalum	
TR. = Transistor	POLY.= Polystyrol	
TRANS.= Transformer	PP. = Polypropylene	
CP. = Chip	PLT.= Polyethylene	
	PF. = Polyester Film	
Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC005	51T15132Y02	SAA6588T -SE9
IC201	51T15456Y01	TC74HC4066AFT-EL-SE5
IC202	51T35457Y02	TDA7402 -OT
IC203	51T45654Y01	TC94A04AFD -OT
IC204	51T93333F01	NJM2904M-TE3 -SE2
IC206	51T15420Y01	BA4560F-E2 -SE2
IC207	51T15420Y01	BA4560F-E2 -SE2
IC208	51T15420Y01	BA4560F-E2 -SE2
IC301	51T35403Y01	TDA7560 -ZS
IC302	51T15426Y02	STK475-010 -IB
IC303	51T15420Y01	BA4560F-E2 -SE2
IC304	51T15420Y01	BA4560F-E2 -SE2
IC305	51T15420Y01	BA4560F-E2 -SE2
IC501	51T55350Y18	MTP,M30624FGGP
IC502	51T35566Y54	MTP,D78F4216AGC
IC504	51T93332F01	IC,NJM2903M-TE3 -SE2
IC505	51T25160Y01	M24C04-WMN6T -SE2
IC506	51T25422Y02	TC7W04FK-TE85L -CP
IC601	51T93532F05	TC4S01F-TE85L -CP
IC801	51T15720Y10	S-80930ANMP-T2 -CP
IC810	51T25448Y01	BA6219BFP-Y-E2 -SE9
IC811	51T45336Y01	L5952 -ZS
Transistors		
Q001	48T64222F01	TR,UN2211 10-10 -TX
Q010	48T45594W16	TR,XN1A311-TX -CP
Q201	48T45594W08	TR,XN1212 -TX-CP
Q202	48T64222F02	TR,UN2212 22-22 -TX
Q301	48T45594W12	TR,XN1A312 -TX-CP
Q321	48T25317Y01	TR,XNOF256-TX -CP
Q322	48T25317Y01	TR,XNOF256-TX -CP
Q323	48T25317Y01	TR,XNOF256-TX -CP
Q501	48T64221F13	TR,UN211H-TX -CP

Symbol No.	Part No.	Description
Q502	48T64222F02	TR,UN2212 22-22 -TX
Q503	48T52437F05	TR,2SB709A-S /TX-CP
Q504	48T45594W16	TR,XN1A311-TX -CP
Q506	48T64221F02	TR,UN2112 22-22 -TX
Q507	48T52438F04	TR,2SD601A-S /TX-CP
Q508	48T64222F01	TR,UN2211 10-10 -TX
Q509	48T64222F01	TR,UN2211 10-10 -TX
Q510	48T52438F04	TR,2SD601A-S /TX-CP
Q511	48T52438F04	TR,2SD601A-S /TX-CP
Q512	48T64221F01	TR,UN2111 10-10 -TX
Q601	48T64221F11	TR,UN211L-TX -CP
Q602	48T64222F02	TR,UN2212 22-22 -TX
Q603	48T64222F02	TR,UN2212 22-22 -TX
Q606	48T64222F01	TR,UN2211 10-10 -TX
Q607	48T52437F05	TR,2SB709A-S /TX-CP
Q645	48T64222F01	TR,UN2211 10-10 -TX
Q803	48T45594W12	TR,XN1A312 -TX-CP
Q804	48T45594W16	TR,XN1A311-TX -CP
Q805	48T45594W12	TR,XN1A312 -TX-CP
Q806	48T93828F04	TR,2SD1994A-S-TA -RD
Q809	48T69176F02	TR,2SC3421-Y
Q812	48T64221F13	TR,UN211H-TX -CP
Q813	48T52437F05	TR,2SB709A-S /TX-CP
Q816	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q819	48T64222F12	TR,UN221L-TX -CP
Q820	48T64221F13	TR,UN211H-TX -CP
Q821	48T64222F02	TR,UN2212 22-22 -TX
Q824	48T64222F02	TR,UN2212 22-22 -TX
Q825	48T45594W12	TR,XN1A312 -TX-CP
Q826	48T64222F01	TR,UN2211 10-10 -TX
Q827	48T45594W12	TR,XN1A312 -TX-CP
Q828	48T45594W12	TR,XN1A312 -TX-CP
Q872	48T93828F04	TR,2SD1994A-S-TA -RD
Diodes		
D001	48T85357W01	D10,1PS226 -CP
D201	48T81063F01	D10,CP.MA159 / TX-CP
D210	48T25665Y01	D10,1SS355-TE17 -CP
D301	48T02161K01	D10,SHT SS14 -E1
D302	48T02161K01	D10,SHT SS14 -E1
D303	48T02161K01	D10,SHT SS14 -E1
D304	48T02161K01	D10,SHT SS14 -E1
D305	48T02161K01	D10,SHT SS14 -E1
D306	48T02161K01	D10,SHT SS14 -E1
D307	48T02161K01	D10,SHT SS14 -E1

Symbol No.	Part No.	Description
D308	48T02161K01	D10, SHT SS14 -E1
D321	48T45254W02	D10, SI MA142WA-TX-CP
D351	48T45254W02	D10, SI MA142WA-TX-CP
D352	48T45254W02	D10, SI MA142WA-TX-CP
D501	48T25651W01	D10, CP MA152WA
D502	48T25665Y01	D10, 1SS355-TE17 -CP
D503	48T25665Y01	D10, 1SS355-TE17 -CP
D504	48T25665Y01	D10, 1SS355-TE17 -CP
D505	48T25665Y01	D10, 1SS355-TE17 -CP
D506	48T25651W02	D10, MA152WK-TX -CP
D507	48T25665Y01	D10, 1SS355-TE17 -CP
D508	48T25665Y01	D10, 1SS355-TE17 -CP
D509	48T25651W02	D10, MA152WK-TX -CP
D510	48T44813F03	D10, MA165 -R5
D511	48T25665Y01	D10, 1SS355-TE17 -CP
D512	48T25665Y01	D10, 1SS355-TE17 -CP
D513	48T25665Y01	D10, 1SS355-TE17 -CP
D514	48T25665Y01	D10, 1SS355-TE17 -CP
D515	48T25665Y01	D10, 1SS355-TE17 -CP
D516	48T25665Y01	D10, 1SS355-TE17 -CP
D517	48T25665Y01	D10, 1SS355-TE17 -CP
D601	48T25651W02	D10, MA152WK-TX -CP
D602	48T25651W02	D10, MA152WK-TX -CP
D801	48T85268W01	D10, P300G -
D802	48T25665Y01	D10, 1SS355-TE17 -CP
D803	48T25593Y01	D10, S1G-6601 -E1
D805	48T25593Y01	D10, S1G-6601 -E1
D806	48T85357W01	D10, 1PS226 -CP
D810	48T25593Y01	D10, S1G-6601 -E1
D811	48T81063F01	D10, CP, MA159 / TX-CP
D824	48T25665Y01	D10, 1SS355-TE17 -CP
D825	48T25665Y01	D10, 1SS355-TE17 -CP
ZD501	48T25766W09	D10, ZEN. HZS 6C3L -R5
ZD801	48T25766W14	D10, ZEN. HZS 7B2L -R5
ZD802	48T25766W38	D10, ZEN. HZS12A3L -R5
ZD803	48T25766W24	D10, ZEN. HZS 9C1L -R5
ZD804	48T25064Y02	D10, ZEN ZSH5MA27A-ED
ZD806	48T62934F14	D10, ZEN. RD4. 3MB3 -CP
Filters		
CF001	91T75257W02	LPF, LPF11830KH-3C-DB
LO10	91T65112W06	EMI, BK2125HM102 -CP
LO11	91T65112W06	EMI, BK2125HM102 -CP
LO12	91T65112W06	EMI, BK2125HM102 -CP
L201	91T65112W06	EMI, BK2125HM102 -CP
L202	91T65112W06	EMI, BK2125HM102 -CP
L203	91T65112W06	EMI, BK2125HM102 -CP

Symbol No.	Part No.	Description
L204	91T65112W06	EMI, BK2125HM102 -CP
L205	91T65112W06	EMI, BK2125HM102 -CP
L206	91T65112W06	EMI, BK2125HM102 -CP
L502	91T65112W06	EMI, BK2125HM102 -CP
L503	91T65112W06	EMI, BK2125HM102 -CP
L504	91T65112W06	EMI, BK2125HM102 -CP
L801	91T65112W01	EMI, BK2125HS121 -CP
Coils		
L001	24T25164Y21	IND, FSLM2520 4R7J-CP
L002	24T16403W29	COI, IND. 15R-M -CP
L003	24T35286Y01	IND, MG56 523J -DB
L013	24T25164Y21	IND, FSLM2520 4R7J-CP
Crystals		
XL001	91T25806W18	XTL, 4. 332M -AT51-TP
XL201	91T55274Y01	XTL, NX5032GA 33. 8-E2
XL501	91T55217Y04	XTL, NX8045GB 16. 0-E5
XL503	91T55217Y03	XTL, NX8045GB 12. 2-E5
LED's		
LD601	48T65477W05	LED, SML-010DTT87 -CP
LD602	48T65477W05	LED, SML-010DTT87 -CP
Thermistors		
TH501	48T25250Y01	TMT, ERTJ1V104J -CP
TH502	48T25250Y01	TMT, ERTJ1V104J -CP
Buzzer		
BZ601	50T85541W01	BUZZER, CD11PA-XZ -H5
Surge Protector		
SA001	48T81048F02	PTT, DSP-201M -RD

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Symbol No.	Part No.	Description
Switch		
SW332	40T45282W02	SW, SLIDE SLD-42-508X (Ai-NET-NORM/(EQ/DIV))
Capacitors		
C004	08S65128F78	CAP, CER. 223K-B1H -CP
C005	08S82122F61	CAP, CER. 102J-CH1H-CP
C006	08S65128F78	CAP, CER. 223K-B1H -CP
C007	08S65128F78	CAP, CER. 223K-B1H -CP
C008	08S45676W73	CAP, CER. 103K-B1H -CP
C009	08S45676W73	CAP, CER. 103K-B1H -CP
C010	08S35374W01	CAP, CER. 104K-B1E-CP
C013	08S65128F71	CAP, CER. 153K-B1H -CP
C016	08S45676W65	CAP, CER. 222K-B1H -CP
C017	08S65128F78	CAP, CER. 223K-B1H -CP
C018	08S35374W01	CAP, CER. 104K-B1E-CP
C019	08S45677W36	CAP, CER. 101J-CH1H-CP
C020	08S45676W73	CAP, CER. 103K-B1H -CP
C021	08S45677W46	CAP, CER. 271J-CH1H-CP
C023	08S45677W48	CAP, CER. 331J-CH1H-CP
C024	08S65128F90	CAP, CER. 473K-B1H -CP
C025	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C026	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C028	08S45676W65	CAP, CER. 222K-B1H -CP
C029	08S35374W01	CAP, CER. 104K-B1E-CP
C030	08S45677W54	CAP, CER. 561J-CH1H-CP
C102	08S45676W73	CAP, CER. 103K-B1H -CP
C103	08S45676W73	CAP, CER. 103K-B1H -CP
C104	08S65128F78	CAP, CER. 223K-B1H -CP
C105	08S65128F78	CAP, CER. 223K-B1H -CP
C111	08S45676W73	CAP, CER. 103K-B1H -CP
C201	08S35350Y04	CAP, CER. 105K-B1C -CP
C202	08S35350Y04	CAP, CER. 105K-B1C -CP
C203	08S35350Y04	CAP, CER. 105K-B1C -CP
C204	08S35350Y04	CAP, CER. 105K-B1C -CP
C205	08S35350Y04	CAP, CER. 105K-B1C -CP
C206	08S35350Y04	CAP, CER. 105K-B1C -CP
C207	08S45676W65	CAP, CER. 222K-B1H -CP
C208	08S35374W01	CAP, CER. 104K-B1E-CP
C209	08S82122F61	CAP, CER. 102J-CH1H-CP
C210	08S45676W84	CAP, CER. 683K-B1C -CP
C212	08S35374W01	CAP, CER. 104K-B1E-CP
C213	08S35350Y04	CAP, CER. 105K-B1C -CP
C214	08S35350Y04	CAP, CER. 105K-B1C -CP
C215	08S45676W65	CAP, CER. 222K-B1H -CP
C216	08S35349Y13	CAP, CER. 684K-B1A -CP

Symbol No.	Part No.	Description
C217	08S35374W01	CAP, CER. 104K-B1E-CP
C218	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C219	08S35374W01	CAP, CER. 104K-B1E-CP
C220	08S35374W01	CAP, CER. 104K-B1E-CP
C221	08S35350Y04	CAP, CER. 105K-B1C -CP
C222	08S35350Y04	CAP, CER. 105K-B1C -CP
C223	08S35374W01	CAP, CER. 104K-B1E-CP
C224	08S45677W14	CAP, CER. 12RJ-CH1H-CP
C225	08S45677W14	CAP, CER. 12RJ-CH1H-CP
C226	08S35374W01	CAP, CER. 104K-B1E-CP
C227	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C228	08S45677W49	CAP, CER. 361J-CH1H-CP
C229	08S45677W49	CAP, CER. 361J-CH1H-CP
C230	08S45677W49	CAP, CER. 361J-CH1H-CP
C231	08S45677W44	CAP, CER. 221J-CH1H-CP
C232	08S45677W44	CAP, CER. 221J-CH1H-CP
C233	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C234	08S45677W49	CAP, CER. 361J-CH1H-CP
C235	08S45677W49	CAP, CER. 361J-CH1H-CP
C236	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C237	08S45677W49	CAP, CER. 361J-CH1H-CP
C238	08S45677W44	CAP, CER. 221J-CH1H-CP
C239	08S45677W49	CAP, CER. 361J-CH1H-CP
C240	08S45677W44	CAP, CER. 221J-CH1H-CP
C241	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C242	08S45677W49	CAP, CER. 361J-CH1H-CP
C243	08S35349Y08	CAP, CER. 102K-B1H -CP
C244	08S45677W36	CAP, CER. 101J-CH1H-CP
C245	08S35350Y04	CAP, CER. 105K-B1C -CP
C246	08S35374W01	CAP, CER. 104K-B1E-CP
C247	08S35350Y04	CAP, CER. 105K-B1C -CP
C248	08S35350Y04	CAP, CER. 105K-B1C -CP
C249	08S35350Y04	CAP, CER. 105K-B1C -CP
C250	08S35350Y04	CAP, CER. 105K-B1C -CP
C253	08S35349Y08	CAP, CER. 102K-B1H -CP
C301	08S60102F48	CAP, CER. 105K-B1E -CP
C302	08S60102F48	CAP, CER. 105K-B1E -CP
C303	08S60102F48	CAP, CER. 105K-B1E -CP
C304	08S60102F48	CAP, CER. 105K-B1E -CP
C305	08S60102F48	CAP, CER. 105K-B1E -CP
C306	08S65128F90	CAP, CER. 473K-B1H -CP
C307	08T81833F11	CAP, CER. 225K-B1C -CP
C308	08S65128F90	CAP, CER. 473K-B1H -CP
C309	08S45677W12	CAP, CER. 10RD-CH1H-CP
C311	08S45677W12	CAP, CER. 10RD-CH1H-CP
C312	08S45677W12	CAP, CER. 10RD-CH1H-CP
C313	08S45677W12	CAP, CER. 10RD-CH1H-CP
C314	08S45677W12	CAP, CER. 10RD-CH1H-CP
C315	08S45677W12	CAP, CER. 10RD-CH1H-CP

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
C316	08S82122F61	CAP, CER. 102J-CH1H-CP	E010	23S75373W14	CAP, ELY 2R2-1H -R2
C331	08T25628Y01	CAP, TF 334M-1C -CP	E102	23S75372W03	CAP, ELY 221-1A -H2
C332	08T25628Y01	CAP, TF 334M-1C -CP	E104	23S75372W02	CAP, ELY 101-1A -R2
C333	08T25628Y01	CAP, TF 334M-1C -CP	E201	23S65134W11	CAP, ELY 22R-OJ(4)-E2
C334	08T25628Y01	CAP, TF 334M-1C -CP	E202	23S75373W13	CAP, ELY 1R0-1H -R2
C501	08S45677W12	CAP, CER. 10RD-CH1H-CP	E203	23S65134W11	CAP, ELY 22R-OJ(4)-E2
C502	08S45677W12	CAP, CER. 10RD-CH1H-CP	E204	23S65134W72	CAP, ELY 3R3-1H(4)-E2
C503	08S65128F78	CAP, CER. 223K-B1H -CP	E206	23S65134W12	CAP, ELY 47R-OJ(5)-E3
C504	08S45677W12	CAP, CER. 10RD-CH1H-CP	E207	23S75373W13	CAP, ELY 1R0-1H -R2
C505	08S45677W12	CAP, CER. 10RD-CH1H-CP	E208	23S75373W03	CAP, ELY 22R-1C -R2
C506	08S45677W36	CAP, CER. 101J-CH1H-CP	E209	23S65134W12	CAP, ELY 47R-OJ(5)-E3
C507	08S45676W73	CAP, CER. 103K-B1H -CP	E210	23S65134W72	CAP, ELY 3R3-1H(4)-E2
C509	08S45677W22	CAP, CER. 27RJ-CH1H-CP	E211	23S65134W72	CAP, ELY 3R3-1H(4)-E2
C510	08S65128F78	CAP, CER. 223K-B1H -CP	E212	23S65134W72	CAP, ELY 3R3-1H(4)-E2
C513	08S65128F78	CAP, CER. 223K-B1H -CP	E213	23S75372W03	CAP, ELY 221-1A -H2
C514	08S35349Y08	CAP, CER 102K-B1H -CP	E214	23S65134W12	CAP, ELY 47R-OJ(5)-E3
C515	08S65128F78	CAP, CER. 223K-B1H -CP	E215	23S75373W09	CAP, ELY R22-1H -R2
C517	08S35349Y08	CAP, CER 102K-B1H -CP	E216	23S75373W02	CAP, ELY 10R-1C -R2
C518	08S35349Y08	CAP, CER 102K-B1H -CP	E217	23S65134W41	CAP, ELY 4R7-1E(3)-E2
C519	08S35374W01	CAP, CER 104K-B1E-CP	E218	23S65134W41	CAP, ELY 4R7-1E(3)-E2
C520	08S35349Y12	CAP, CER 105K-B0J -CP	E220	23S65134W12	CAP, ELY 47R-OJ(5)-E3
C521	08S35349Y12	CAP, CER 105K-B0J -CP	E221	23S65134W12	CAP, ELY 47R-OJ(5)-E3
C523	08S35349Y08	CAP, CER 102K-B1H -CP	E222	23S65134W12	CAP, ELY 47R-OJ(5)-E3
C601	08S65128F78	CAP, CER. 223K-B1H -CP	E223	23S75372W09	CAP, ELY 4R7-1V -R2
C602	08S35374W01	CAP, CER 104K-B1E-CP	E224	23S75372W15	CAP, ELY 1R0-1H -R2
C603	08S45676W65	CAP, CER. 222K-B1H -CP	E225	23S75372W09	CAP, ELY 4R7-1V -R2
C604	08S45677W36	CAP, CER. 101J-CH1H-CP	E226	23S75372W09	CAP, ELY 4R7-1V -R2
C605	08S65128F78	CAP, CER. 223K-B1H -CP	E227	23S75372W15	CAP, ELY 1R0-1H -R2
C606	08S65128F78	CAP, CER. 223K-B1H -CP	E228	23S75372W09	CAP, ELY 4R7-1V -R2
C607	08S65128F78	CAP, CER. 223K-B1H -CP	E232	23S75372W15	CAP, ELY 1R0-1H -R2
C801	08S65128F78	CAP, CER. 223K-B1H -CP	E233	23S75372W02	CAP, ELY 101-1A -R2
C802	08S35374W01	CAP, CER 104K-B1E-CP	E301	23S65134W80	CAP, ELY 10R-1C(3)-E2
C803	08S65128F78	CAP, CER. 223K-B1H -CP	E302	23S75373W02	CAP, ELY 10R-1C -R2
C804	08S65128F78	CAP, CER. 223K-B1H -CP	E303	23S65134W80	CAP, ELY 10R-1C(3)-E2
C805	08S65128F78	CAP, CER. 223K-B1H -CP	E304	23S75373W13	CAP, ELY 1R0-1H -R2
C806	08S35374W01	CAP, CER 104K-B1E-CP	E305	23S95415W17	CAP, ELY 1R0-1H -R2
C807	08S65128F90	CAP, CER 473K-B1H -CP	E306	23S95415W19	CAP, ELY 3R3-1H -R2
C809	08S65128F78	CAP, CER. 223K-B1H -CP	E307	23S75373W05	CAP, ELY 47R-1C -R2
C810	08S65128F78	CAP, CER. 223K-B1H -CP	E308	23T75346W04	CAP, X-PRO 252-1D +
C811	08S65128F78	CAP, CER. 223K-B1H -CP	E309	23T25139Y03	CAP, PW 471-1E +
C813	08S35374W01	CAP, CER 104K-B1E-CP	E310	23T25139Y03	CAP, PW 471-1E +
C814	08S35374W01	CAP, CER 104K-B1E-CP	E311	23S65134W80	CAP, ELY 10R-1C(3)-E2
C821	08S82122F61	CAP, CER. 102J-CH1H-CP	E312	23S65134W80	CAP, ELY 10R-1C(3)-E2
C830	08S65128F78	CAP, CER. 223K-B1H -CP	E313	23S75372W04	CAP, ELY 10R-1C -R2
C831	08T55390W34	CAP, TF 274J-1H -R5	E314	23T75346W03	CAP, X-PRO 332-1C +
E001	23S75373W03	CAP, ELY 22R-1C -R2	E315	23T95564W41	CAP, FC 471-1C-G -EA
E002	23S75373W03	CAP, ELY 22R-1C -R2	E316	23S75373W13	CAP, ELY 1R0-1H -R2
E003	23S75373W03	CAP, ELY 22R-1C -R2	E317	23S75373W02	CAP, ELY 10R-1C -R2
E009	23S75372W04	CAP, ELY 10R-1C -R2	E318	23S75373W02	CAP, ELY 10R-1C -R2

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Symbol No.	Part No.	Description
E319	23S75373W13	CAP, ELY 1R0-1H -R2
E320	23S75373W13	CAP, ELY 1R0-1H -R2
E321	23S75373W02	CAP, ELY 10R-1C -R2
E322	23S75373W02	CAP, ELY 10R-1C -R2
E323	23S75373W02	CAP, ELY 10R-1C -R2
E324	23S75373W02	CAP, ELY 10R-1C -R2
E325	23S75373W06	CAP, ELY 101-1C -R2
E326	23S75373W06	CAP, ELY 101-1C -R2
E327	23S75373W02	CAP, ELY 10R-1C -R2
E351	23S75373W02	CAP, ELY 10R-1C -R2
E352	23S75373W02	CAP, ELY 10R-1C -R2
E353	23S75373W02	CAP, ELY 10R-1C -R2
E354	23S75373W02	CAP, ELY 10R-1C -R2
E501	23S75372W03	CAP, ELY 221-1A -H2
E502	23S75372W03	CAP, ELY 221-1A -H2
E504	23S75372W05	CAP, ELY 22R-1C -R2
E505	23S75373W03	CAP, ELY 22R-1C -R2
E506	23S65134W31	CAP, ELY 10R-1C(4)-E2
E507	23S65134W21	CAP, ELY 33R-1A(5)-E3
E508	23S65134W11	CAP, ELY 22R-0J(4)-E2
E509	23S65134W11	CAP, ELY 22R-0J(4)-E2
E510	23S65134W12	CAP, ELY 47R-0J(5)-E3
E601	23S95415W03	CAP, ELY 10R-1C -R2
E802	23S95415W06	CAP, ELY 101-1C -R2
E803	23S95415W06	CAP, ELY 101-1C -R2
E804	23T55378W03	CAP, KMG 471-1A -R2
E805	23S75373W15	CAP, ELY 3R3-1H -R2
E806	23S75373W05	CAP, ELY 47R-1C -R2
E807	23S75373W06	CAP, ELY 101-1C -R2
E808	23S95415W05	CAP, ELY 47R-1C -R2
E809	23S75373W06	CAP, ELY 101-1C -R2
E810	23T55521W18	CAP, AK .47R-1C -R2
E812	23S55044Y01	CAP, ELY 471-1C -R3
E813	23S75373W06	CAP, ELY 101-1C -R2
E814	23T45365W03	CAP, SME 221-1A -R2
E815	23S75373W13	CAP, ELY 1R0-1H -R2
E816	23S75372W03	CAP, ELY 221-1A -H2
E817	23S75373W02	CAP, ELY 10R-1C -R2
E823	23S65134W80	CAP, ELY 10R-1C(3)-E2
E824	23T55378W01	CAP, KMG. 221-1A -R2
R553	08S35349Y08	CAP, CER 102K-B1H -CP
Resistors		
C141	06S55364Y39	RES, RK JUMPER 1/8-CP
C142	06S55364Y39	RES, RK JUMPER 1/8-CP
L501	06S55364Y39	RES, RK JUMPER 1/8-CP
L806	06S55362Y39	RES, RK JUMPER 1/4-CP

Symbol No.	Part No.	Description
L807	06S55362Y39	RES, RK JUMPER 1/4-CP
R001	06S55361Y17	RES, RK 10RJ 1/4 -CP
R002	06S55361Y49	RES, RK 221J 1/4 -CP
R003	06S55365Y65	RES, RK 102J 1/10 -CP
R004	06S55365Y65	RES, RK 102J 1/10 -CP
R005	06S55365Y97	RES, RK 223J 1/10 -CP
R006	06S55365Y97	RES, RK 223J 1/10 -CP
R009	06S55366Y02	RES, RK 333J 1/10 -CP
R010	06S55366Y39	RES, RK JUMPER1/10-CP
R011	06S55365Y97	RES, RK 223J 1/10 -CP
R012	06S55366Y18	RES, RK 154J 1/10 -CP
R013	06S55365Y89	RES, RK 103J 1/10 -CP
R014	06S55365Y89	RES, RK 103J 1/10 -CP
R015	06S55366Y14	RES, RK 104J 1/10 -CP
R016	06S55366Y39	RES, RK JUMPER1/10-CP
R019	06S55366Y39	RES, RK JUMPER1/10-CP
R031	06S55362Y39	RES, RK JUMPER 1/4-CP
R032	06S55364Y39	RES, RK JUMPER 1/8-CP
R033	06S55364Y39	RES, RK JUMPER 1/8-CP
R034	06S55365Y65	RES, RK 102J 1/10 -CP
R035	06S55366Y39	RES, RK JUMPER1/10-CP
R036	06S55365Y51	RES, RK 271J 1/10 -CP
R037	06S55365Y51	RES, RK 271J 1/10 -CP
R038	06S55365Y65	RES, RK 102J 1/10 -CP
R040	06S55365Y81	RES, RK 472J 1/10 -CP
R041	06S55366Y30	RES, RK 474J 1/10 -CP
R042	06S55365Y65	RES, RK 102J 1/10 -CP
R103	06S55366Y35	RES, RK 754J 1/10 -CP
R105	06S55362Y39	RES, RK JUMPER 1/4-CP
R143	06S55366Y39	RES, RK JUMPER1/10-CP
R144	06S55366Y39	RES, RK JUMPER1/10-CP
R175	06S55366Y37	RES, RK 914J 1/10 -CP
R201	06S55365Y98	RES, RK 243J 1/10 -CP
R204	06S55365Y73	RES, RK 222J 1/10 -CP
R205	06S55365Y53	RES, RK 331J 1/10 -CP
R206	06S55365Y57	RES, RK 471J 1/10 -CP
R207	06S55365Y53	RES, RK 331J 1/10 -CP
R208	06S55365Y57	RES, RK 471J 1/10 -CP
R209	06S55366Y06	RES, RK 473J 1/10 -CP
R210	06S55366Y06	RES, RK 473J 1/10 -CP
R211	06S55366Y39	RES, RK JUMPER1/10-CP
R212	06S55365Y50	RES, RK 241J 1/10 -CP
R213	06S55365Y65	RES, RK 102J 1/10 -CP
R214	06S55365Y50	RES, RK 241J 1/10 -CP
R215	06S55366Y38	RES, RK 105J 1/10 -CP
R216	06S55365Y89	RES, RK 103J 1/10 -CP
R217	06S55366Y39	RES, RK JUMPER1/10-CP
R218	06S55365Y91	RES, RK 123J 1/10 -CP
R219	06S55366Y20	RES, RK 184J 1/10 -CP

Symbol No.	Part No.	Description
R220	06S55365Y89	RES, RK 103J 1/10 -CP
R221	06S55365Y97	RES, RK 223J 1/10 -CP
R222	06S55365Y66	RES, RK 112J 1/10 -CP
R223	06S55365Y66	RES, RK 112J 1/10 -CP
R225	06S55366Y36	RES, RK 824J 1/10 -CP
R226	06S55365Y86	RES, RK 752J 1/10 -CP
R227	06S55365Y95	RES, RK 183J 1/10 -CP
R228	06S55366Y14	RES, RK 104J 1/10 -CP
R229	06S55366Y14	RES, RK 104J 1/10 -CP
R230	06S55366Y30	RES, RK 474J 1/10 -CP
R231	06S55365Y97	RES, RK 223J 1/10 -CP
R232	06S55365Y89	RES, RK 103J 1/10 -CP
R233	06S55365Y86	RES, RK 752J 1/10 -CP
R234	06S55365Y95	RES, RK 183J 1/10 -CP
R235	06S55365Y97	RES, RK 223J 1/10 -CP
R236	06S55365Y89	RES, RK 103J 1/10 -CP
R237	06S55365Y89	RES, RK 103J 1/10 -CP
R238	06S55365Y86	RES, RK 752J 1/10 -CP
R239	06S55365Y95	RES, RK 183J 1/10 -CP
R240	06S55365Y89	RES, RK 103J 1/10 -CP
R241	06S55366Y14	RES, RK 104J 1/10 -CP
R242	06S55365Y97	RES, RK 223J 1/10 -CP
R243	06S55366Y14	RES, RK 104J 1/10 -CP
R244	06S55365Y89	RES, RK 103J 1/10 -CP
R245	06S55365Y86	RES, RK 752J 1/10 -CP
R246	06S55365Y95	RES, RK 183J 1/10 -CP
R247	06S55365Y97	RES, RK 223J 1/10 -CP
R248	06S55365Y89	RES, RK 103J 1/10 -CP
R250	06S55365Y66	RES, RK 112J 1/10 -CP
R251	06S55365Y63	RES, RK 821J 1/10 -CP
R252	06S55365Y49	RES, RK 221J 1/10 -CP
R256	06S55366Y26	RES, RK 334J 1/10 -CP
R257	06S55366Y02	RES, RK 333J 1/10 -CP
R301	06S55365Y89	RES, RK 103J 1/10 -CP
R302	06S55362Y23	RES, RK 244J 1/4 -CP
R304	06S55362Y27	RES, RK 364J 1/4 -CP
R305	06S55365Y49	RES, RK 221J 1/10 -CP
R307	06S55365Y97	RES, RK 223J 1/10 -CP
R308	06S55365Y49	RES, RK 221J 1/10 -CP
R309	06S55366Y15	RES, RK 114J 1/10 -CP
R310	06S55365Y49	RES, RK 221J 1/10 -CP
R311	06S55366Y15	RES, RK 114J 1/10 -CP
R313	06S55365Y95	RES, RK 183J 1/10 -CP
R314	06S55365Y97	RES, RK 223J 1/10 -CP
R316	06S55365Y49	RES, RK 221J 1/10 -CP
R317	06S55365Y97	RES, RK 223J 1/10 -CP
R318	06S55366Y15	RES, RK 114J 1/10 -CP
R319	06S55365Y95	RES, RK 183J 1/10 -CP
R320	06S55366Y15	RES, RK 114J 1/10 -CP

Symbol No.	Part No.	Description
R321	06S55366Y06	RES, RK 473J 1/10 -CP
R322	06S55366Y06	RES, RK 473J 1/10 -CP
R323	06S55363Y49	RES, RK 221J 1/8 -CP
R324	06S55363Y49	RES, RK 221J 1/8 -CP
R325	06S55363Y41	RES, RK 101J 1/8 -CP
R326	06S55363Y41	RES, RK 101J 1/8 -CP
R327	06S55365Y95	RES, RK 183J 1/10 -CP
R328	06S55362Y36	RES, RK 824J 1/4 -CP
R329	06S55365Y97	RES, RK 223J 1/10 -CP
R331	06S55365Y97	RES, RK 223J 1/10 -CP
R332	06S55366Y15	RES, RK 114J 1/10 -CP
R333	06S55365Y95	RES, RK 183J 1/10 -CP
R334	06S55366Y15	RES, RK 114J 1/10 -CP
R335	06S55365Y95	RES, RK 183J 1/10 -CP
R337	06S55365Y97	RES, RK 223J 1/10 -CP
R342	06S55365Y95	RES, RK 183J 1/10 -CP
R351	06S55366Y06	RES, RK 473J 1/10 -CP
R352	06S55366Y06	RES, RK 473J 1/10 -CP
R353	06S55363Y49	RES, RK 221J 1/8 -CP
R354	06S55363Y49	RES, RK 221J 1/8 -CP
R355	06S55363Y41	RES, RK 101J 1/8 -CP
R356	06S55363Y41	RES, RK 101J 1/8 -CP
R363	06S55366Y06	RES, RK 473J 1/10 -CP
R364	06S55366Y06	RES, RK 473J 1/10 -CP
R365	06S55363Y49	RES, RK 221J 1/8 -CP
R367	06S55363Y41	RES, RK 101J 1/8 -CP
R368	06S55363Y49	RES, RK 221J 1/8 -CP
R370	06S55363Y41	RES, RK 101J 1/8 -CP
R371	06S55365Y83	RES, RK 562J 1/10 -CP
R372	06S55365Y83	RES, RK 562J 1/10 -CP
R373	06S55365Y83	RES, RK 562J 1/10 -CP
R374	06S55365Y83	RES, RK 562J 1/10 -CP
R375	06S55365Y83	RES, RK 562J 1/10 -CP
R376	06S55365Y83	RES, RK 562J 1/10 -CP
R500	06S55363Y65	RES, RK 102J 1/8 -CP
R501	06S55363Y65	RES, RK 102J 1/8 -CP
R502	06S55363Y65	RES, RK 102J 1/8 -CP
R503	06S55363Y65	RES, RK 102J 1/8 -CP
R504	06S55363Y65	RES, RK 102J 1/8 -CP
R505	06S55363Y65	RES, RK 102J 1/8 -CP
R506	06S55363Y65	RES, RK 102J 1/8 -CP
R507	06S55363Y65	RES, RK 102J 1/8 -CP
R508	06S55365Y89	RES, RK 103J 1/10 -CP
R509	06S55366Y35	RES, RK 754J 1/10 -CP
R510	06S55365Y81	RES, RK 472J 1/10 -CP
R511	06S55363Y65	RES, RK 102J 1/8 -CP
R512	06S55365Y67	RES, RK 122J 1/10 -CP
R513	06S55363Y89	RES, RK 103J 1/8 -CP
R514	06S55365Y89	RES, RK 103J 1/10 -CP

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Symbol No.	Part No.	Description
R515	06S55361Y17	RES, RK 10RJ 1/4 -CP
R516	06S55361Y31	RES, RK 39RJ 1/4 -CP
R517	06S55361Y31	RES, RK 39RJ 1/4 -CP
R518	06S55365Y73	RES, RK 222J 1/10 -CP
R519	06S55365Y69	RES, RK 152J 1/10 -CP
R520	06S55365Y85	RES, RK 682J 1/10 -CP
R521	06S55361Y31	RES, RK 39RJ 1/4 -CP
R522	06S55361Y31	RES, RK 39RJ 1/4 -CP
R523	06S55365Y85	RES, RK 682J 1/10 -CP
R524	06S55365Y89	RES, RK 103J 1/10 -CP
R525	06S55365Y89	RES, RK 103J 1/10 -CP
R526	06S55365Y89	RES, RK 103J 1/10 -CP
R529	06S55365Y97	RES, RK 223J 1/10 -CP
R530	06S55365Y97	RES, RK 223J 1/10 -CP
R532	06S55365Y53	RES, RK 331J 1/10 -CP
R533	06S55365Y65	RES, RK 102J 1/10 -CP
R535	06S55365Y41	RES, RK 101J 1/10 -CP
R536	06S55365Y89	RES, RK 103J 1/10 -CP
R537	06S55365Y91	RES, RK 123J 1/10 -CP
R539	06S55365Y65	RES, RK 102J 1/10 -CP
R540	06S55365Y65	RES, RK 102J 1/10 -CP
R541	06S55365Y65	RES, RK 102J 1/10 -CP
R542	06S55366Y30	RES, RK 474J 1/10 -CP
R543	06S55366Y06	RES, RK 473J 1/10 -CP
R544	06S55366Y06	RES, RK 473J 1/10 -CP
R546	06S55365Y65	RES, RK 102J 1/10 -CP
R547	06S55365Y65	RES, RK 102J 1/10 -CP
R548	06S55365Y65	RES, RK 102J 1/10 -CP
R551	06S55365Y65	RES, RK 102J 1/10 -CP
R552	06S55366Y39	RES, RK JUMPER1/10-CP
R554	06S55365Y65	RES, RK 102J 1/10 -CP
R555	06S55365Y65	RES, RK 102J 1/10 -CP
R556	06S55365Y65	RES, RK 102J 1/10 -CP
R557	06S55365Y65	RES, RK 102J 1/10 -CP
R558	06S55365Y89	RES, RK 103J 1/10 -CP
R559	06S55363Y89	RES, RK 103J 1/8 -CP
R560	06S55363Y97	RES, RK 223J 1/8 -CP
R562	06S55365Y89	RES, RK 103J 1/10 -CP
R563	06S55365Y65	RES, RK 102J 1/10 -CP
R564	06S55365Y65	RES, RK 102J 1/10 -CP
R565	06S55366Y06	RES, RK 473J 1/10 -CP
R566	06S55365Y65	RES, RK 102J 1/10 -CP
R567	06S55365Y65	RES, RK 102J 1/10 -CP
R568	06S55365Y65	RES, RK 102J 1/10 -CP
R569	06S55365Y65	RES, RK 102J 1/10 -CP
R573	06S55365Y65	RES, RK 102J 1/10 -CP
R574	06S55365Y89	RES, RK 103J 1/10 -CP
R575	06S55365Y83	RES, RK 562J 1/10 -CP
R576	06S55365Y57	RES, RK 471J 1/10 -CP

Symbol No.	Part No.	Description
R577	06S55365Y53	RES, RK 331J 1/10 -CP
R578	06S55366Y06	RES, RK 473J 1/10 -CP
R579	06S55365Y65	RES, RK 102J 1/10 -CP
R580	06S55365Y65	RES, RK 102J 1/10 -CP
R581	06S15593Y57	RES, RK 222F 1/10 -CP
R582	06S15593Y53	RES, RK 152F 1/10 -CP
R583	06S15593Y55	RES, RK 182F 1/10 -CP
R584	06S55366Y06	RES, RK 473J 1/10 -CP
R585	06S55365Y65	RES, RK 102J 1/10 -CP
R586	06S55365Y97	RES, RK 223J 1/10 -CP
R587	06S55364Y39	RES, RK JUMPER 1/8-CP
R589	06S55361Y49	RES, RK 221J 1/4 -CP
R590	06S55365Y57	RES, RK 471J 1/10 -CP
R591	06S55365Y69	RES, RK 152J 1/10 -CP
R592	06S55365Y73	RES, RK 222J 1/10 -CP
R593	06S55363Y75	RES, RK 272J 1/8 -CP
R594	06S55366Y39	RES, RK JUMPER1/10-CP
R595	06S55365Y97	RES, RK 223J 1/10 -CP
R596	06S55365Y65	RES, RK 102J 1/10 -CP
R597	06S55365Y65	RES, RK 102J 1/10 -CP
R598	06S55365Y65	RES, RK 102J 1/10 -CP
R599	06S55365Y65	RES, RK 102J 1/10 -CP
R601	06S55361Y89	RES, RK 103J 1/4 -CP
R602	06S55366Y06	RES, RK 473J 1/10 -CP
R603	06S55361Y89	RES, RK 103J 1/4 -CP
R604	06S55365Y89	RES, RK 103J 1/10 -CP
R605	06S55361Y65	RES, RK 102J 1/4 -CP
R606	06S55363Y89	RES, RK 103J 1/8 -CP
R607	06S55361Y41	RES, RK 101J 1/4 -CP
R608	06S55365Y73	RES, RK 222J 1/10 -CP
R609	06S55365Y77	RES, RK 332J 1/10 -CP
R610	06S55366Y30	RES, RK 474J 1/10 -CP
R611	06S55365Y97	RES, RK 223J 1/10 -CP
R612	06S55365Y65	RES, RK 102J 1/10 -CP
R613	06S55361Y29	RES, RK 33RJ 1/4 -CP
R614	06S55361Y29	RES, RK 33RJ 1/4 -CP
R615	06S55361Y29	RES, RK 33RJ 1/4 -CP
R616	06S55361Y29	RES, RK 33RJ 1/4 -CP
R617	06S55361Y29	RES, RK 33RJ 1/4 -CP
R618	06S55361Y29	RES, RK 33RJ 1/4 -CP
R619	06S55366Y06	RES, RK 473J 1/10 -CP
R620	06S55366Y06	RES, RK 473J 1/10 -CP
R621	06S55365Y97	RES, RK 223J 1/10 -CP
R655	06S55361Y56	RES, RK 431J 1/4 -CP
R801	06S55365Y53	RES, RK 331J 1/10 -CP
R802	06S55365Y57	RES, RK 471J 1/10 -CP
R803	06S45348Y31	RES, RK 224F 1/4 -CP
R804	06S55366Y36	RES, RK 824J 1/10 -CP
R805	06S55362Y36	RES, RK 824J 1/4 -CP

Symbol No.	Part No.	Description
R806	06S55361Y81	RES, RK 472J 1/4 -CP
R807	06S55361Y81	RES, RK 472J 1/4 -CP
R808	06S55365Y97	RES, RK 223J 1/10 -CP
R809	06S15593Y87	RES, RK 393F 1/10 -CP
R811	06S55365Y97	RES, RK 223J 1/10 -CP
R812	06S15593Y73	RES, RK 103F 1/10 -CP
R813	06S55361Y45	RES, RK 151J 1/4 -CP
R814	06S55361Y01	RES, RK 2R2J 1/4 -CP
R817	06S55365Y97	RES, RK 223J 1/10 -CP
R819	06S15593Y63	RES, RK 392F 1/10 -CP
R820	06S55366Y37	RES, RK 914J 1/10 -CP
R821	06S55365Y97	RES, RK 223J 1/10 -CP
R822	06S55361Y57	RES, RK 471J 1/4 -CP
R823	06S15593Y93	RES, RK 683F 1/10 -CP
R824	06S15593Y83	RES, RK 273F 1/10 -CP
R826	06S55366Y24	RES, RK 274J 1/10 -CP
R827	06S55366Y39	RES, RK JUMPER1/10-CP
R829	06S55363Y44	RES, RK 131J 1/8 -CP
R830	06S55361Y41	RES, RK 101J 1/4 -CP
R831	06S55365Y77	RES, RK 332J 1/10 -CP
R832	06S55361Y69	RES, RK 152J 1/4 -CP
R833	06S55361Y89	RES, RK 103J 1/4 -CP
R834	06T25590Y03	RES, RS 2R2J 1W -
R835	06S55365Y89	RES, RK 103J 1/10 -CP
R836	06S55361Y89	RES, RK 103J 1/4 -CP
R837	06S55363Y98	RES, RK 243J 1/8 -CP
R838	06S55361Y71	RES, RK 182J 1/4 -CP
R839	06S55361Y71	RES, RK 182J 1/4 -CP
R868	06S55365Y90	RES, RK 113J 1/10 -CP
R869	06S55365Y49	RES, RK 221J 1/10 -CP
R870	06S55365Y93	RES, RK 153J 1/10 -CP
R872	06S55361Y51	RES, RK 271J 1/4 -CP
R873	06S55361Y51	RES, RK 271J 1/4 -CP
R874	06S55366Y39	RES, RK JUMPER1/10-CP
R879	06S55365Y89	RES, RK 103J 1/10 -CP
R881	06S55361Y01	RES, RK 2R2J 1/4 -CP
R891	06S55365Y81	RES, RK 472J 1/10 -CP
R5003	06S55366Y06	RES, RK 473J 1/10 -CP
R5004	06S55366Y06	RES, RK 473J 1/10 -CP
R5005	06S55366Y06	RES, RK 473J 1/10 -CP
R5006	06S55362Y39	RES, RK JUMPER 1/4-CP
R5007	06S55366Y14	RES, RK 104J 1/10 -CP
R5008	06S55366Y14	RES, RK 104J 1/10 -CP
R5009	06S55365Y75	RES, RK 272J 1/10 -CP
R5011	06S55366Y14	RES, RK 104J 1/10 -CP
R5012	06S55366Y30	RES, RK 474J 1/10 -CP
R5013	06S55366Y02	RES, RK 333J 1/10 -CP
R5015	06S55366Y14	RES, RK 104J 1/10 -CP
R5016	06S55365Y81	RES, RK 472J 1/10 -CP

Symbol No.	Part No.	Description
R5017	06S55365Y65	RES, RK 102J 1/10 -CP
R5020	06S55364Y39	RES, RK JUMPER 1/8-CP
RA504	06S45591W06	RES, ARY MNR102J 4-CP
RA505	06S45591W06	RES, ARY MNR102J 4-CP
RA508	06S45591W06	RES, ARY MNR102J 4-CP
RA509	06S45591W16	RES, ARY MNR223J 4-CP
Connectors		
CB301	09T25436Y07	WTB, 53253-0710 -DB
CB330	09T25436Y06	WTB, 53253-0610 -DB
CB331	09T25436Y03	WTB, 53253-0310 -DB
CB501	09T45434W15	FFC, 52271-1590 -ED
CB601	09T25436Y02	WTB, 53253-0210 -DB
CB802	09T25436Y05	WTB, 53253-0510 -DB
CB803	09T25436Y03	WTB, 53253-0310 -DB
CH101	09T25261Y22	FFC, SFW22R-1STE1 -EQ
Front P.W. Board		
IC's		
IC401	51T02347K01	PT6583LQ -OT
IC402	51T02236K01	PT6523LQ -OT
IC403	51T35614Y01	SBX3050-02 -NE5
IC404	51T55235Y01	TC74VHC595FT-EL -SE5
Transistors		
Q400	48T64222F01	TR ,UN2211 10-10 -TX
Q401	48T52438F04	TR ,2SD601A-S /TX-CP
Q403	48T63788F04	TR ,CP.2SD1328-T -TX
Q404	48T64222F01	TR ,UN2211 10-10 -TX
Q405	48T64222F01	TR ,UN2211 10-10 -TX
Q406	48T52438F04	TR ,2SD601A-S /TX-CP
Q407	48T73023F01	TR ,2SD874A -E2
Q408	48T63788F04	TR ,CP.2SD1328-T -TX
Q409	48T52438F04	TR ,2SD601A-S /TX-CP
Q410	48T52438F04	TR ,2SD601A-S /TX-CP
Q412	48T63788F04	TR ,CP.2SD1328-T -TX
Diodes		
D401	48T81063F01	D10, CP.MA159 / TX-CP

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Symbol No.	Part No.	Description
D402	48T94471F04	D10, 1MN10-T108 -CP
D405	48T85357W01	D10, 1PS226 -CP
D406	48T85357W01	D10, 1PS226 -CP
D407	48T85357W01	D10, 1PS226 -CP
D408	48T85357W01	D10, 1PS226 -CP
D409	48T85357W01	D10, 1PS226 -CP
D410	48T85357W01	D10, 1PS226 -CP
ZD401	48T84735F21	D10, ZEN. MA3082-H -CP
ZD402	48T15541Y23	D10, ZEN MAZS180 -CP
ZD403	48T15541Y23	D10, ZEN MAZS180 -CP
ZD404	48T15541Y23	D10, ZEN MAZS180 -CP
ZD407	48T15541Y23	D10, ZEN MAZS180 -CP
ZD408	48T62934F26	D10, ZEN. RD6. 2MB3 -CP
ZD409	48T62934F26	D10, ZEN. RD6. 2MB3 -CP
LED's		
LD400	48T25534Y01	LED, GRN BG1111C -CP
LD401	48T25534Y02	LED, RED BR1111C -CP
LD402	48T25534Y03	LED, AMB AA1111C -CP
LD403	48T25534Y03	LED, AMB AA1111C -CP
LD404	48T25534Y03	LED, AMB AA1111C -CP
LD416	48T25534Y08	LED, AMB FA1111C -CP
LD417	48T25534Y08	LED, AMB FA1111C -CP
LD418	48T25534Y03	LED, AMB AA1111C -CP
LD419	48T25534Y03	LED, AMB AA1111C -CP
LD420	48T25534Y03	LED, AMB AA1111C -CP
LD421	48T25534Y03	LED, AMB AA1111C -CP
LD422	48T25534Y08	LED, AMB FA1111C -CP
LD423	48T25534Y08	LED, AMB FA1111C -CP
LD426	48T45280Y01	LED, WHT NSCWS405T-E2
LD427	48T45280Y01	LED, WHT NSCWS405T-E2
LD428	48T45280Y01	LED, WHT NSCWS405T-E2
LD429	48T45280Y01	LED, WHT NSCWS405T-E2
LD430	48T45280Y01	LED, WHT NSCWS405T-E2
LD431	48T45280Y01	LED, WHT NSCWS405T-E2
LD432	48T25534Y01	LED, GRN BG1111C -CP
LD433	48T25534Y01	LED, GRN BG1111C -CP
LD434	48T25534Y09	LED, BLU DB1111C10-CP
LD435	48T25534Y09	LED, BLU DB1111C10-CP
LD436	48T25534Y09	LED, BLU DB1111C10-CP
LD437	48T25534Y09	LED, BLU DB1111C10-CP
LD438	48T25534Y09	LED, BLU DB1111C10-CP
LD439	48T25534Y09	LED, BLU DB1111C10-CP
LD440	48T25534Y01	LED, GRN BG1111C -CP
LD441	48T25534Y01	LED, GRN BG1111C -CP
LD442	48T25534Y01	LED, GRN BG1111C -CP
LD443	48T25534Y01	LED, GRN BG1111C -CP

Symbol No.	Part No.	Description
LD444	48T25534Y01	LED, GRN BG1111C -CP
LD445	48T25534Y01	LED, GRN BG1111C -CP
LD446	48T25534Y01	LED, GRN BG1111C -CP
Switches		
SW401	40T55656W06	SW, TACT SKOMAJ001-E2 (SOURCE/POWER)
SW402	40T55656W06	SW, TACT SKOMAJ001-E2 (FWD/UP)
SW403	40T55656W06	SW, TACT SKOMAJ001-E2 (CENTER f)
SW404	40T55656W06	SW, TACT SKOMAJ001-E2 (3/PTY/FILE SEARCH)
SW405	40T55656W06	SW, TACT SKOMAJ001-E2 (PLAY/PAUSE/TUNE/A. ME)
SW406	40T55656W06	SW, TACT SKOMAJ001-E2 (TITLE)
SW407	40T55656W06	SW, TACT SKOMAJ001-E2 (4/(P/S)/REPEAT)
SW408	40T55656W06	SW, TACT SKOMAJ001-E2 (BAND)
SW409	40T55656W06	SW, TACT SKOMAJ001-E2 (T. INFO)
SW410	40T55656W06	SW, TACT SKOMAJ001-E2 (F/SETUP)
SW411	40T55656W06	SW, TACT SKOMAJ001-E2 (DISP/B. OUT)
SW412	40T55656W06	SW, TACT SKOMAJ001-E2 (MX)
SW413	40T55656W06	SW, TACT SKOMAJ001-E2 (1/AF/FOLDER DN)
SW414	40T55656W06	SW, TACT SKOMAJ001-E2 (5/M. I. X.)
SW415	40T55656W06	SW, TACT SKOMAJ001-E2 (EJECT)
SW416	40T55656W06	SW, TACT SKOMAJ001-E2 (BWD/DN)
SW417	40T55656W06	SW, TACT SKOMAJ001-E2 (T. CORR/X-OVER)
SW418	40T55656W06	SW, TACT SKOMAJ001-E2 (2/P. PTY/FOLDER UP)
SW419	40T55656W06	SW, TACT SKOMAJ001-E2 (6/SCAN)
SW420	40T55656W06	SW, TACT SKOMAJ001-E2 (ANGLE UP/DN)
SW422	40T55656W06	SW, TACT SKOMAJ001-E2 (RESET)
Lamps		
PL401	65T35324Y06	LAMP, BLU 6-80 -E5
PL402	65T35324Y05	LAMP, GRN 6-80 -E5
PL403	65T35324Y05	LAMP, GRN 6-80 -E5
PL404	65T35324Y05	LAMP, GRN 6-80 -E5
Capacitors		
C401	08S45676W89	CAP, CER 473K-B1E -CP
C402	08S45677W60	CAP, CER 102J-CH1H-CP
C403	08S45676W89	CAP, CER 473K-B1E -CP
C404	08S45676W89	CAP, CER 473K-B1E -CP
C405	08S45676W89	CAP, CER 473K-B1E -CP

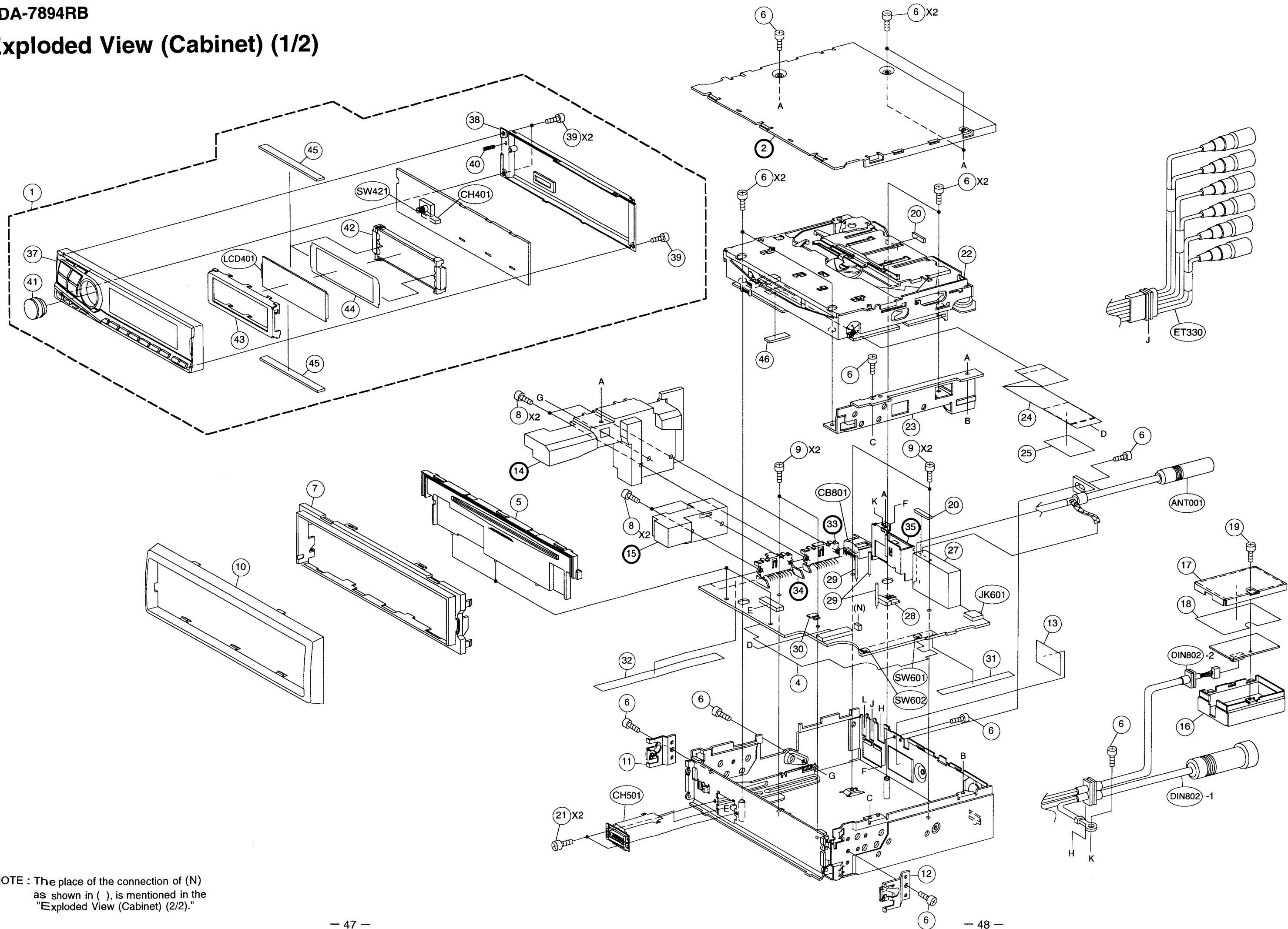
Symbol No.	Part No.	Description
C406	08S45676W89	CAP. CER 473K-B1E -CP
C407	08S45676W89	CAP. CER 473K-B1E -CP
C408	08S45677W56	CAP. CER 681J-CH1H-CP
C409	08S35350Y04	CAP. CER 105K-B1C -CP
C410	08S45677W36	CAP. CER. 101J-CH1H-CP
C411	08S45676W64	CAP. CER. 182K-B1H -CP
C412	08S45676W64	CAP. CER. 182K-B1H -CP
C413	08S45676W64	CAP. CER. 182K-B1H -CP
C414	08S45676W64	CAP. CER. 182K-B1H -CP
C415	08S45676W64	CAP. CER. 182K-B1H -CP
C416	08S45676W64	CAP. CER. 182K-B1H -CP
C417	08S45676W80	CAP. CER 223K-B1E -CP
C418	08S45676W89	CAP. CER 473K-B1E -CP
C419	08S45677W36	CAP. CER. 101J-CH1H-CP
E402	23S55311W42	CAP. TAN. 4R7-10-B -CP
Resistors		
R400	06S55361Y98	RES. RK 243J 1/4 -CP
R401	06S55363Y65	RES. RK 102J 1/8 -CP
R402	06S55363Y65	RES. RK 102J 1/8 -CP
R403	06S55363Y65	RES. RK 102J 1/8 -CP
R404	06S55363Y65	RES. RK 102J 1/8 -CP
R405	06S55363Y53	RES. RK 331J 1/8 -CP
R406	06S55363Y65	RES. RK 102J 1/8 -CP
R407	06S55363Y65	RES. RK 102J 1/8 -CP
R408	06S55361Y66	RES. RK 112J 1/4 -CP
R409	06S55361Y26	RES. RK 24RJ 1/4 -CP
R410	06S55361Y28	RES. RK 30RJ 1/4 -CP
R414	06S55361Y53	RES. RK 331J 1/4 -CP
R415	06S55361Y51	RES. RK 271J 1/4 -CP
R417	06S55361Y41	RES. RK 101J 1/4 -CP
R418	06S55361Y41	RES. RK 101J 1/4 -CP
R419	06S55361Y41	RES. RK 101J 1/4 -CP
R420	06S55365Y73	RES. RK 222J 1/10 -CP
R422	06S55361Y37	RES. RK 68RJ 1/4 -CP
R423	06S55365Y81	RES. RK 472J 1/10 -CP
R427	06S55366Y05	RES. RK 433J 1/10 -CP
R429	06S55365Y65	RES. RK 102J 1/10 -CP
R430	06S55366Y39	RES. RK JUMPER1/10-CP
R431	06S55365Y97	RES. RK 223J 1/10 -CP
R432	06S55362Y39	RES. RK JUMPER 1/4-CP
R433	06S55361Y59	RES. RK 561J 1/4 -CP
R434	06S55361Y25	RES. RK 22RJ 1/4 -CP
R435	06S55361Y25	RES. RK 22RJ 1/4 -CP
R436	06S55361Y25	RES. RK 22RJ 1/4 -CP
R437	06S55361Y25	RES. RK 22RJ 1/4 -CP
R438	06S55365Y65	RES. RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R439	06S55366Y05	RES. RK 433J 1/10 -CP
R443	06S55366Y14	RES. RK 104J 1/10 -CP
R444	06S55365Y81	RES. RK 472J 1/10 -CP
R446	06S55363Y41	RES. RK 101J 1/8 -CP
R447	06S55361Y98	RES. RK 243J 1/4 -CP
R448	06S55365Y65	RES. RK 102J 1/10 -CP
R450	06S55362Y39	RES. RK JUMPER 1/4-CP
R451	06S55361Y59	RES. RK 561J 1/4 -CP
R452	06S55361Y57	RES. RK 471J 1/4 -CP
R453	06S55366Y39	RES. RK JUMPER1/10-CP
R454	06S55361Y62	RES. RK 751J 1/4 -CP
R455	06S55361Y62	RES. RK 751J 1/4 -CP
R456	06S55362Y39	RES. RK JUMPER 1/4-CP
R457	06S55361Y57	RES. RK 471J 1/4 -CP
R458	06S55362Y39	RES. RK JUMPER 1/4-CP
R460	06S55365Y81	RES. RK 472J 1/10 -CP
R461	06S55365Y81	RES. RK 472J 1/10 -CP
R462	06S55365Y81	RES. RK 472J 1/10 -CP
R468	06S55361Y49	RES. RK 221J 1/4 -CP
R469	06S55361Y49	RES. RK 221J 1/4 -CP
R470	06S55365Y81	RES. RK 472J 1/10 -CP
R472	06S55361Y25	RES. RK 22RJ 1/4 -CP
R473	06S55361Y31	RES. RK 39RJ 1/4 -CP
R474	06S55361Y26	RES. RK 24RJ 1/4 -CP
R475	06S55361Y76	RES. RK 302J 1/4 -CP
R476	06S55361Y57	RES. RK 471J 1/4 -CP
R481	06S55361Y31	RES. RK 39RJ 1/4 -CP
R482	06S55365Y81	RES. RK 472J 1/10 -CP
RA401	06S45591W06	RES. ARY MNR102J 4-CP
RA402	06S45591W06	RES. ARY MNR102J 4-CP
RA403	06S45591W06	RES. ARY MNR102J 4-CP
RA404	06S45591W06	RES. ARY MNR102J 4-CP
RA405	06S45591W04	RES. ARY MNR103J 4-CP
DC/DC Converter P. W. Board		
IC's		
IC901	51T45446Y01	NJM78L09A-T3 -RD
IC902	51T45447Y01	NJM79L09A-T3 -RD
Transistors		
Q901	48T69176F02	TR. 2SC3421-Y
Q902	48T55057W01	TR. 2SD1857-PQ-TV2-RD
Q903	48T55057W01	TR. 2SD1857-PQ-TV2-RD

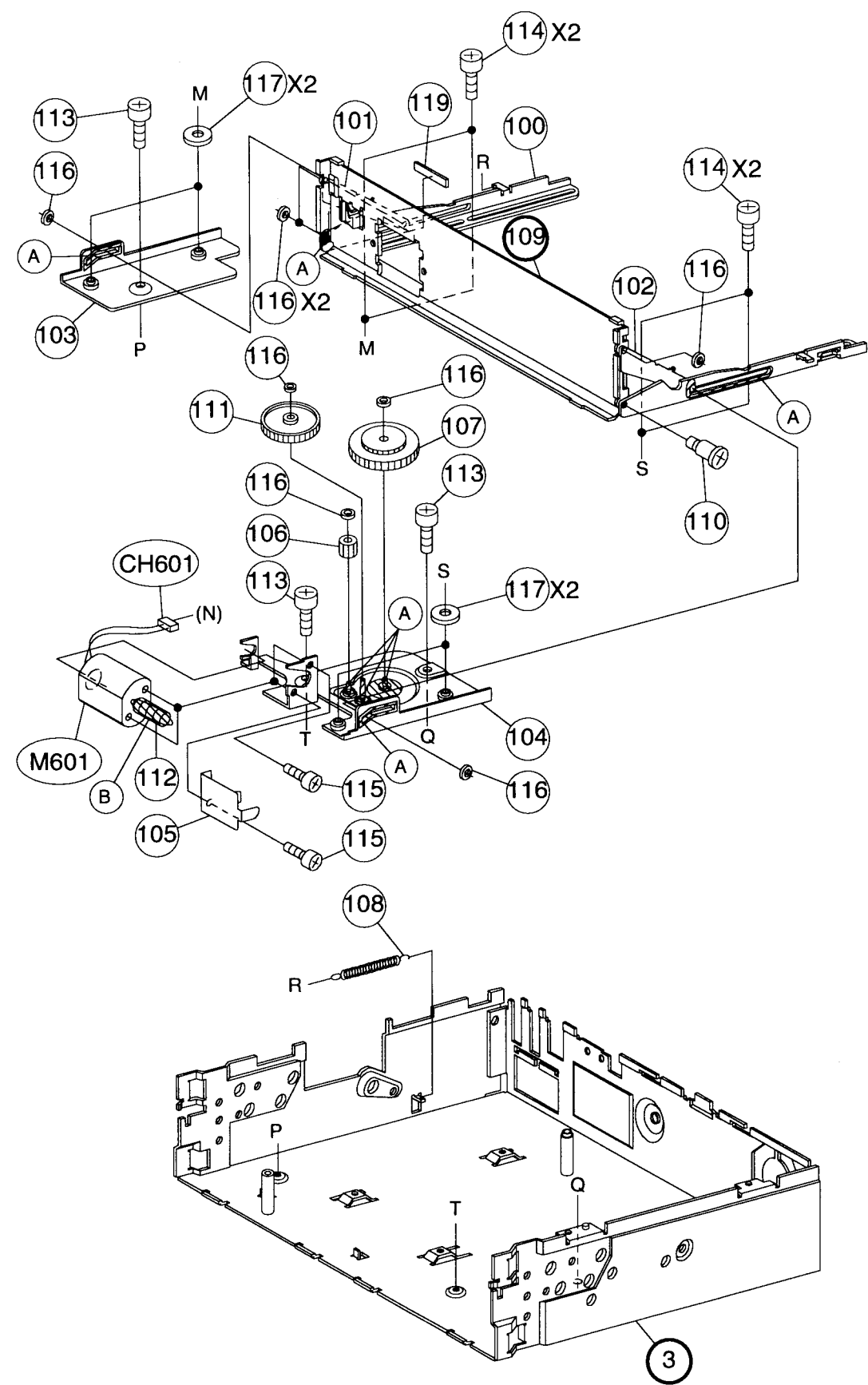
Symbol No.	Part No.	Description
Diodes		
D901	48T73079F04	D10. 1SS82 -R5
D902	48T73079F04	D10. 1SS82 -R5
D903	48T73079F04	D10. 1SS82 -R5
D904	48T73079F04	D10. 1SS82 -R5
ZD901	48T25766W25	D10. ZEN. HZS 9C2L -R5
Coil		
L901	24T95399W21	IND. RCH-855 471K +
Transformer		
T901	25T95401W01	TRANS. LC-10 -DB
Capacitors		
C902	08T55390W25	CAP. TF 473J-1H -R5
E901	23T45365W05	CAP. SME 101-1E -R2
E902	23T45365W06	CAP. SME 33R-1V -R2
E903	23T45365W03	CAP. SME 221-1A -R2
E904	23T45365W05	CAP. SME 101-1E -R2
E905	23T45365W05	CAP. SME 101-1E -R2
E906	23T45365W03	CAP. SME 221-1A -R2
E907	23T45365W03	CAP. SME 221-1A -R2
Resistors		
R901	06S55361Y49	RES. RK 221J 1/4 -CP
R903	06S55366Y34	RES. RK 684J 1/10 -CP
R906	06S55366Y32	RES. RK 564J 1/10 -CP
R907	06S55366Y32	RES. RK 564J 1/10 -CP
R918	06S55361Y85	RES. RK 682J 1/4 -CP
Connector		
CB911	09T25436Y08	WTB. 53253-0810 -DB
Miscellaneous		
ANT001	01T02127K05	ASSY. ANT CABLE 7892A
CB801	09T35473Y16	WTB. F169B001-16 -DB

Symbol No.	Part No.	Description
CH401	09T25444Y15	BTB. 55323-1511 -B
CH501	01T02295K02	ASSY. UNIZON CONN 93A
CH601	01T25413Y01	ASSY. CONN 2P
DIN802	01T35496Y01	ASSY. DIN 7865R0
ET330	01T35497Y19	ASSY. WIRE RCA7894A0 (FRONT OUT/REAR OUT/SUB-W)
JK601	09T55293Y01	JAC. HSJ6061-01-440DB
LCD401	65T55298Y02	LCD. WTD-21046H
M601	59T65085W01	MOTOR. LOAD FF-050SK (NOSE MOTOR/3V-370mA)
SW421	40T55277Y03	ENC. EC11E15445 -B (ROTARY ENCODER/MODE/Q. S.)
SW601	40T15494Y07	SW. DETCT SPVG21 -E6 (NOSE CLOSE DET)
SW602	40T15494Y08	SW. DETCT SPVG11 -E6 (NOSE OPEN DET)

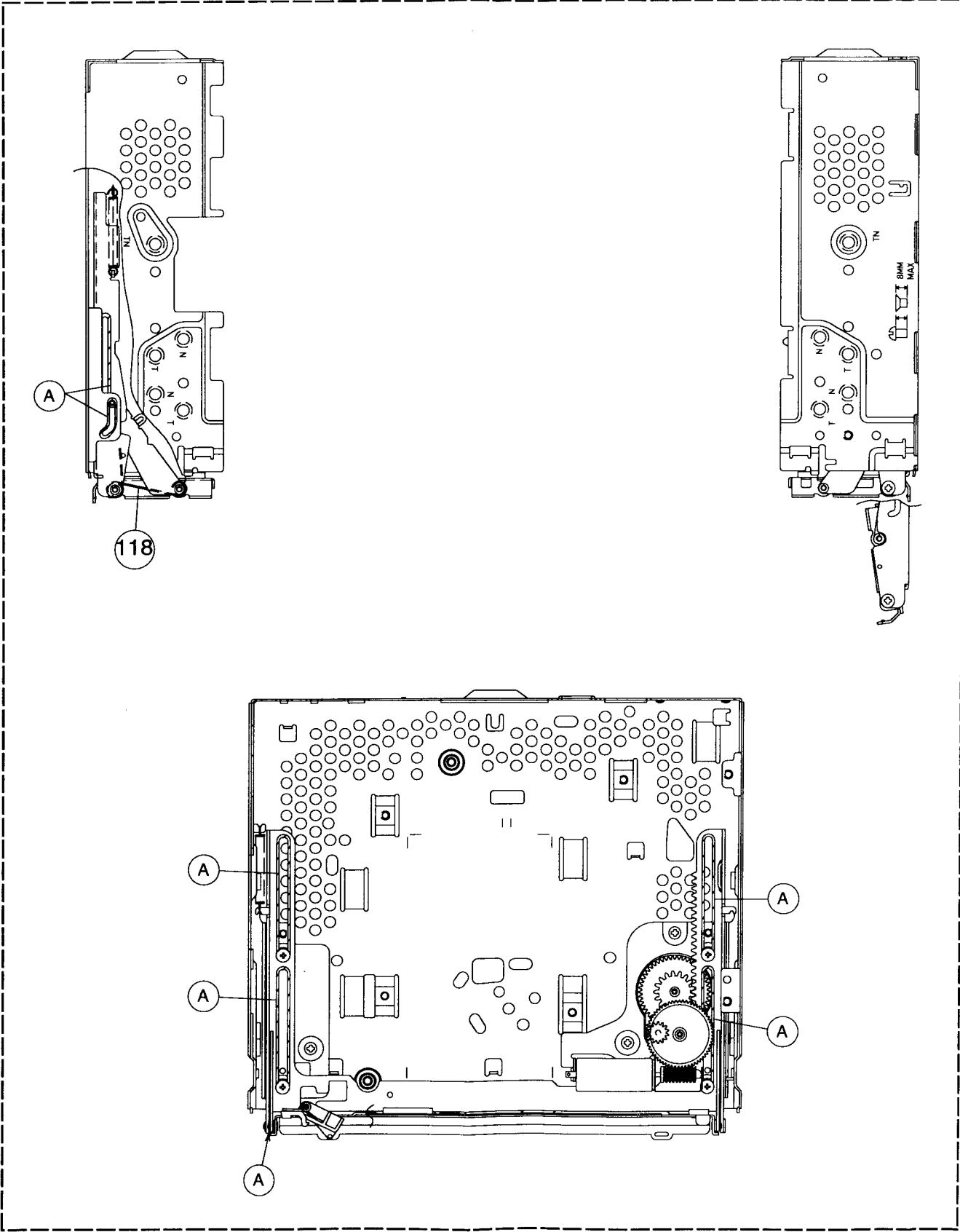
Exploded View (Cabinet) (1/2)



Exploded View (Cabinet) (2/2)



NOTE : The place of the connection of (N)
as shown in (), is mentioned in the
"Exploded View (Cabinet) (1/2)."



.....point of GREASE applied.

(A)	GREASE,E-PAST (11S424 19J09)
(B)	GREASE,G-8007 (11S41558Y01)

Cabinet Assembly Parts List

NOTE: Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
1		01V54330Y02	ASSY,NOSE UNIT 94R	110		03A20851Y02	SCR,SLIDER
4		14B02170K01	INSULATOR,MAIN	111		44B01846K01	GEAR,CLUTCH ASSY
5		13C02359K02	NOSE,BASE(CD) ASSY	112		44A01840K01	GEAR,WORM
6		03S44205G07	SCR,T-TITE M2.6X5	113		03S94385F13	SCR,NYLOK M2.6X3
7		13D02363K01	NOSE,BASE COVER	114		03S94385F25	SCREW,NYLOK
8		03S38013W02	SCR,T-TITE M2.6X14	115		03S68259F23	SCR,P-LOCK M2X3
9		03T25225Y01	SCR,GND	116		04B41345P54	WASHER,LOCK
10		33C01797K03	FACE,PLATE	117		43A50493Y01	BUSH,SLIDER
11		07D00749K01	BKT,SIDE L	118		41A50492Y01	SPRING,NOSE
12		07D00749K02	BKT,SIDE R	119		75S40755Y50	CUS,RUB 18X4XT2
13		14S50096Y40	INS,CVR 33X22XT0.3				
16		15C11509Y01	CASE,DC-DC				
17		15B11508Y01	COVER,DC-DC				
18		14A20122Y01	INSULATOR,DC-DC				
19		03S44205G29	SCR,T-TITE M2.6X6				
20		75T25010Y26	CUSHION,SHLD5-5.5-20				
21		03S94385F77	SCR,NYLOK M1.7X3				
22		81D50772Y01	DP23S2CO,CD MECH				
23		07B02147K01	BKT,MECH(CD)				
24		30T45473Y06	FFC,RMW0369-2A				
25		14S50096Y36	INS,CVR 30X23XT0.188				
27		77B50182Y01	MB4R002H,FM/AM UNIT(TU1)				
28		36A70327W01	KNOB,SLIDE				
29		09T84840F02	LUG,STYLE 32MM				
30		75S40755Y77	CUS,RUB 10X6XT1				
31		14S31545Y16	INS,CVR 59X8XT0.1				
32		14S31545Y17	INS,CVR 100X8XT0.1				
37		13D02145K02	NOSE,PIECE ASSY(H)				
38		13D40822Y02	NOSE,BOTTOM				
39		03S68555F20	SCR,WAVE M1.7X5				
40		41A50111W10	SPRING,KNOB				
41		36B50405Y02	KNOB,ROTALY ASSY				
42		15D01793K01	CASE,LCD ASSY				
43		15B01794K01	COVER,LCD				
44		26A41974Y01	REFLECTOR,SHEET				
45		75T85248W13	RUBBER,ELECTRIC				
46		75S40755Y78	CUS,RUB 11X5XT4.5				
100		07B02259K01	BKT,SLIDER				
101		07A01754K01	BKT,ARM(L)				
102		07A01754K02	BKT,ARM(R)				
103		07A02260K01	BKT,BASE L				
104		07C02261K01	BKT,BASE R				
105		41A50048Y01	SPRING,WORM				
106		44A02263K01	GEAR,ID				
107		44A02262K01	GEAR,SLIDER				
108		41A50060Y01	SPRING,SLIDE				



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<Cautions for Safe Repair Work>



The following cautions will prevent accidents in the workplace and will ensure safe products.

- The symbols indicate caution is needed to prevent injuries and damage to property.

The symbols and their meanings follow.

	Warning	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
	Caution	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.



- The following symbols indicate two levels of cautions.

	When you see this symbol, you have to be very careful.
	When you see this symbol, you have to follow the instructions there.



Warning



	Do not look squarely into the laser light coming from the pickup. You may lose your sight.		Fuse Caution Always use a designated fuse. Use of an incorrect fuse may result in a fire.
--	--	--	--

Caution

	Do not allow wiring to be caught in the screw/chassis. If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.		Battery Caution Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
---	---	---	---

	High Temperature Caution Touching the heat sink may cause severe burns.		Designated Parts Caution Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
---	---	---	---

	Reverse Power Supply Connections or Misconnections Caution Reverse power supply connections or misconnections may cause ignition problems and smoke may result.		Wiring Caution Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
---	---	---	---

	Soldering Caution Hot solder from solder splash may cause severe burns.		Wear Gloves Wear gloves to prevent electrical shocks or injury from the end face of the metal.
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Contents

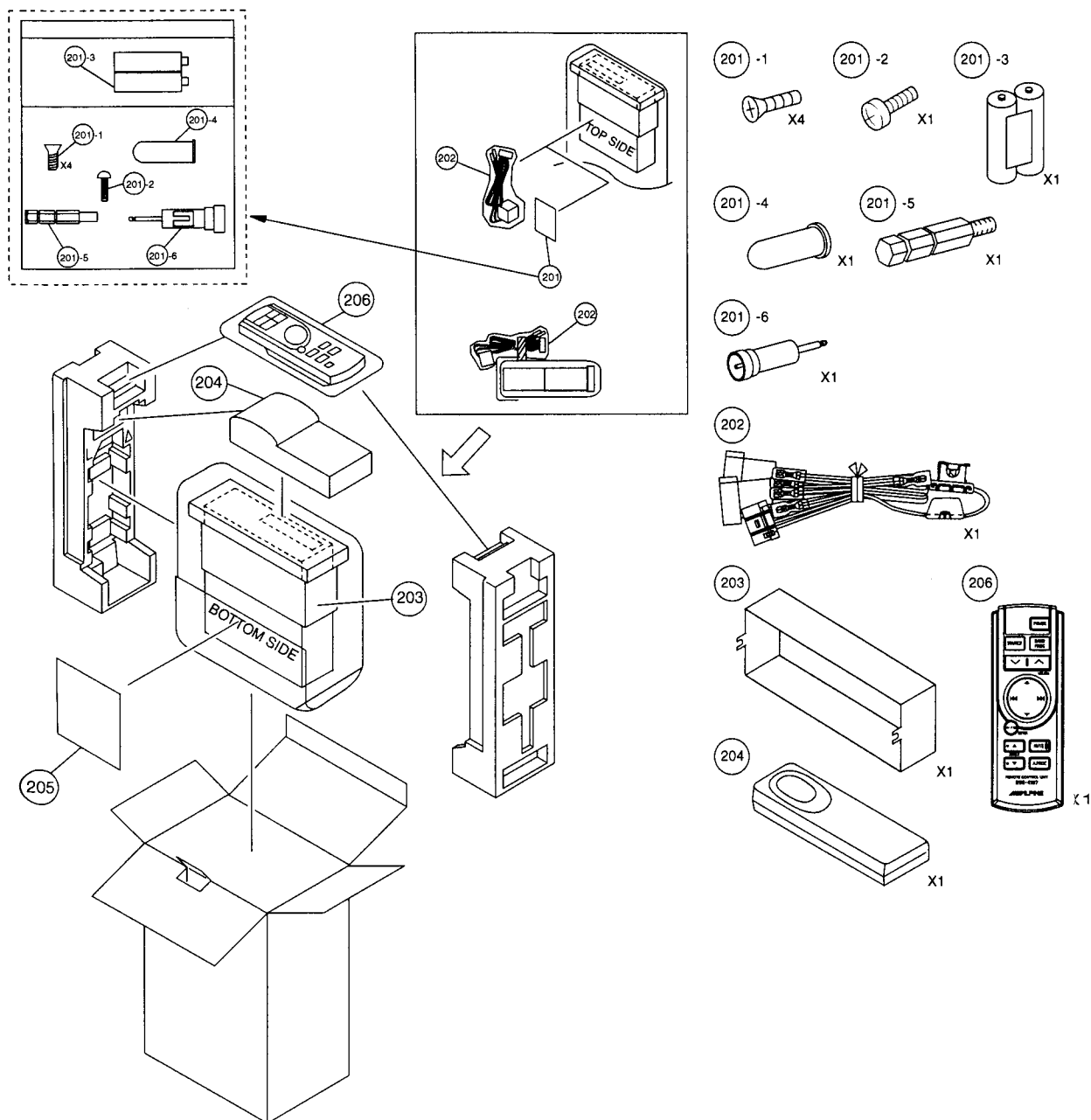
Packing Assembly Parts List	4
Packing Method View	4
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NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
201-1	03S72235F13	SCR,MCH M5X8 FLAT	202	01T35536Y01	ASSY,WIRE ISO 65R
201-2	03S68555F26	SCR,WAVE M1.7X4	203	15D00529K02	CASE,INNER
201-3	60T55630W01	BAT,MGN R03(NB)UM-4	204	15D01798K01	CARRYING,CASE
201-4	36A11113W01	CAP,RUBBER(A)	205	68P01434K93	O/M AOEU AODN
201-5	03A11112W01	BOLT,HEX.M5(A)	206	01T45518Y01	ASSY,REMOCON RUE4187
201-6	01T15394Y02	ANT,JASO-ISO			

Packing Method View



Specifications

<FM RADIO>

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	20.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	21.2dBf
Residual Noise (Ref. 400Hz (NARROW), at 98.1MHz)	28±10dB
S/N Ratio (at 98.1MHz)	Stereo : 55dB Mono : 58dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -10±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf

<MW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	36dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz)	50dB
IF Rejection (at 603kHz)	60dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 2.5kHz : -5+3, -5dB

<LW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	42dB
S/N Ratio (at 216kHz)	44dB
Image Rejection (at 270kHz)	50dB
IF Rejection (at 162kHz)	60dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB 2.5kHz : -5+3, -5dB

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< CD SECTION >

System	Optical (Compact Disc System)
Channel Balance (1kHz, CD : TCD-782, MP3 : SCD-4419 (FOLDER4-128kbps))	0±3dB
Distortion (1kHz, CD : TCD-782, MP3 : SCD-4419 (FOLDER4-128kbps))	0.3%
Frequency Response (Ref. 1kHz)	TCD-782 : 17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : -2±4dB SCD-4419 (FOLDER4-128kbps) : 17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : -2±4dB
S/N Ratio	TCD-782 : 80dB SCD-4419 (FOLDER4-128kbps) : 80dB
Separation	TCD-782 : 55dB SCD-4419 (FOLDER4-128kbps) : 55dB
De-Emphasis (Ref. 1kHz)	TCD-782 : 4kHz : -20±3dB 16kHz : -20±3dB

< Pickup >

Wave Length	795nm
Laser Power	CLASS I

< GENERAL >

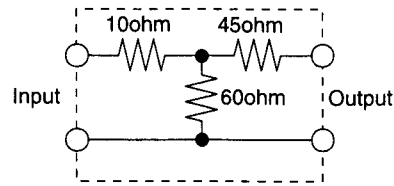
Power Supply	DC14.4V
Power Output (TCD-782 (0dB, 1kHz), T.H.D. 10%) /Impedance	25W/ch/4ohm
Pre Output (TCD-782 (0dB, 1kHz), T.H.D. 1%) /Impedance	FRONT, REAR : 2V±2.5dBV/ch/10k ohm SUB-W (SUB-W STEP +15) : 4V±2.5dBV/ch/10k ohm
Dimensions (W×H×D)	Chassis : 178×50×158mm Nose Closed : 188×58×25.8mm Nose Opened : 188×58×52.3mm
Weight	1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Adjustment Procedures

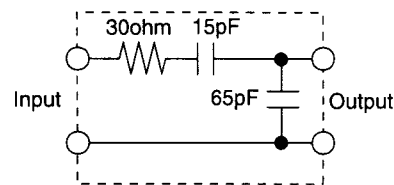
1. FM/AM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator

Figure 1



For 50 ohm AM Signal Generator

Figure 2

(2) Connections

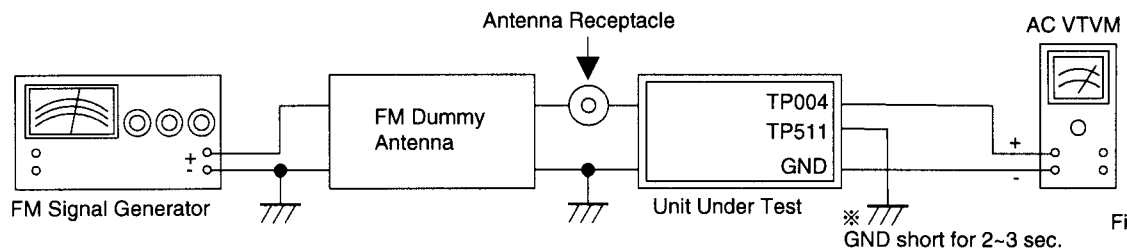


Figure 3

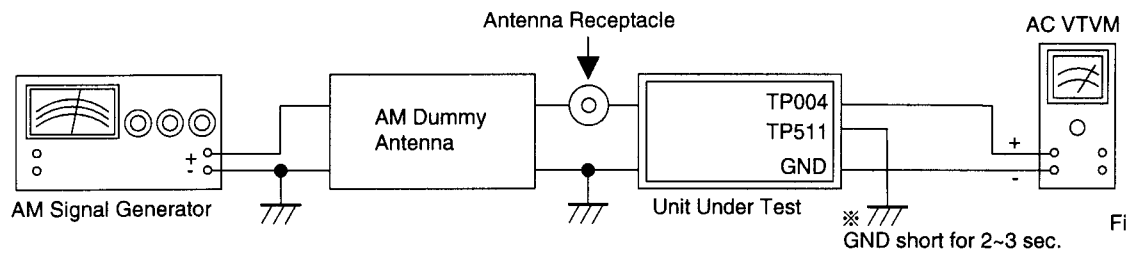


Figure 4

(3) Control Settings

Power Switch	..... ON	Band Switch	..... FM/AM (MW/LW)
Fader Control	..... Center Position	MX	..... Non Effect
Balance Control	..... Center Position	T-CORR	..... Non Effect
Treble Control	..... Center Position	Others	..... OFF
Bass Control	..... Center Position		

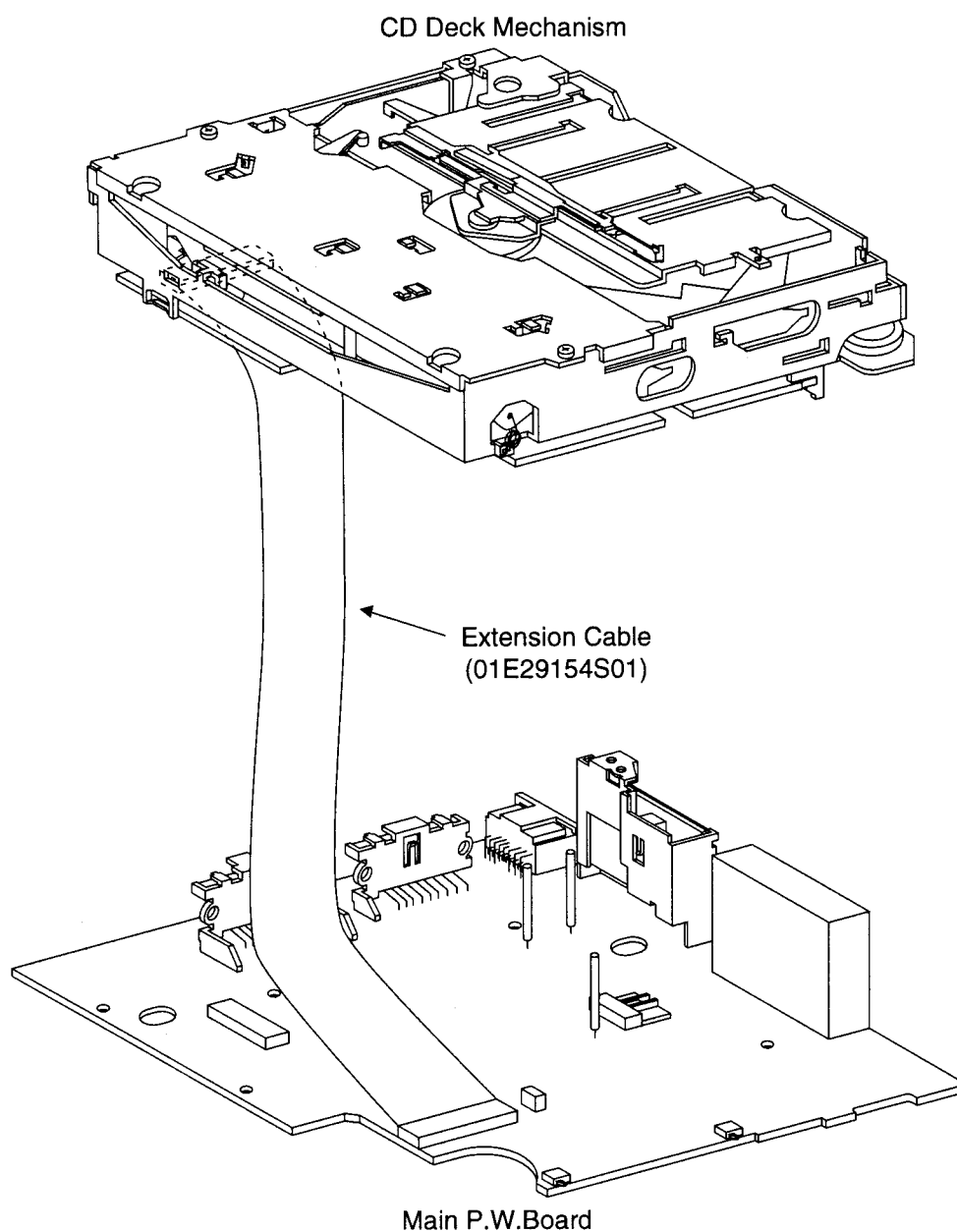
CDA-7893R

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	Signal Meter Auto Adjustment (FM)	Figure 3	87.5MHz, 26dB μ (Mod. OFF)	87.5MHz	TP004 (1-D) TP511 (2-B)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP511 (Pull-Down) for 2~3 seconds. (SPEC) 1.5 \pm 0.1V
2	Signal Meter Auto Adjustment (MW)	Figure 4	999kHz, 34dB μ (Mod. OFF)	999kHz	TP004 (1-D) TP511 (2-B)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP511 (Pull-Down) for 2~3 seconds. (SPEC) 1.0 \pm 0.1V
3	Signal Meter Auto Adjustment (LW)	Figure 4	216kHz, 34dB μ (Mod. OFF)	216kHz	TP004 (1-D) TP511 (2-B)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP511 (Pull-Down) for 2~3 seconds. (SPEC) 1.0 \pm 0.1V

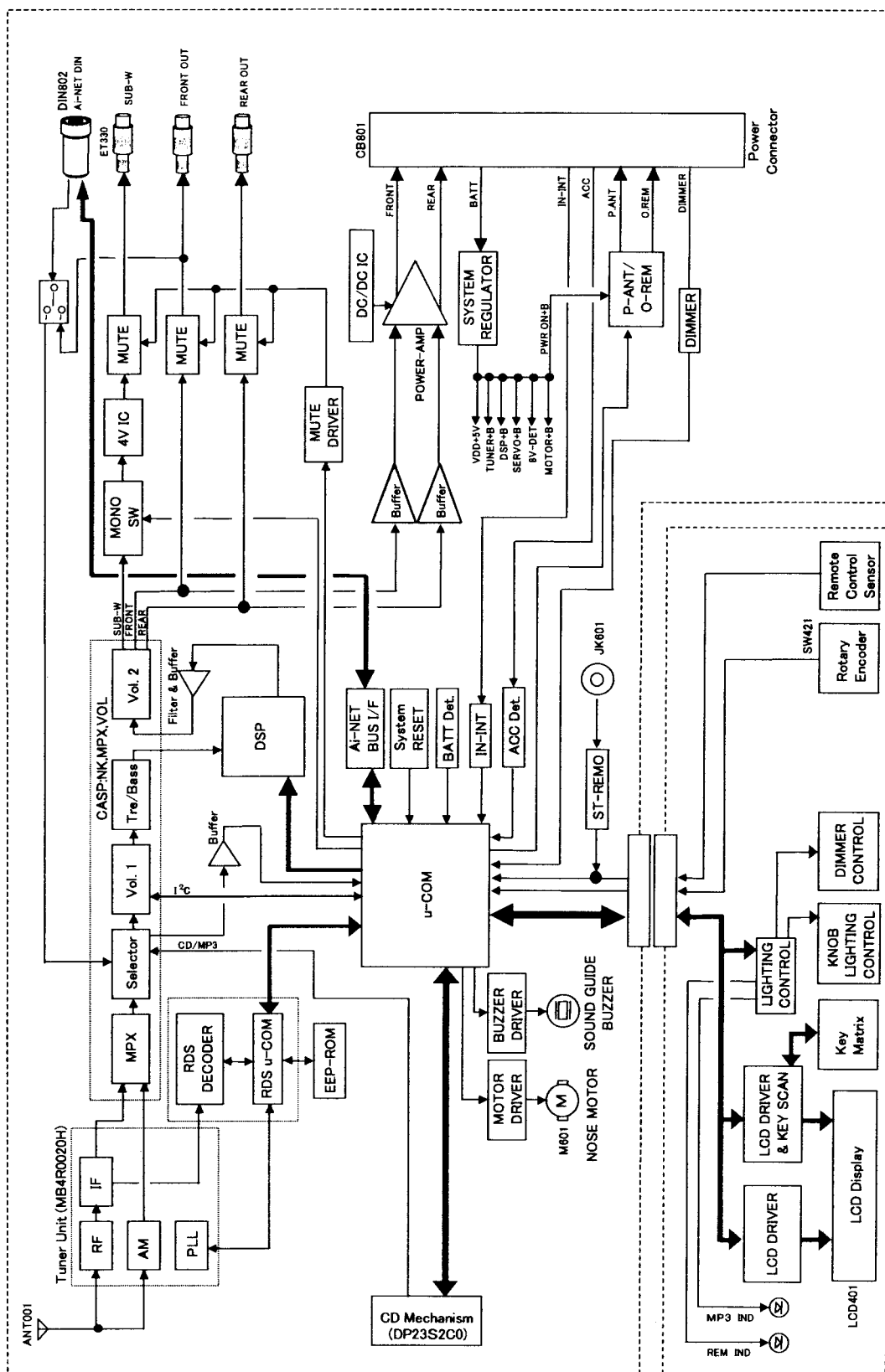
Extension Cable

- When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.



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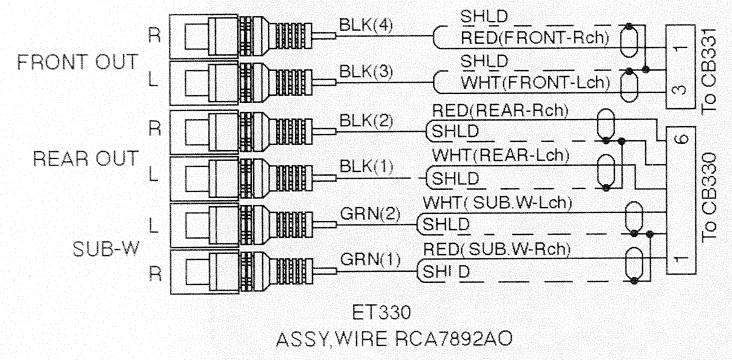
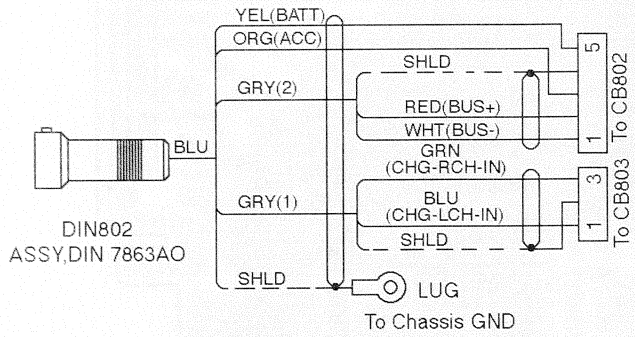
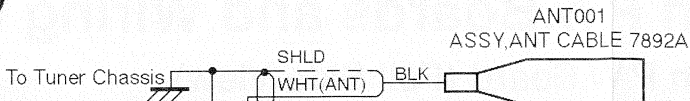
Block Diagram



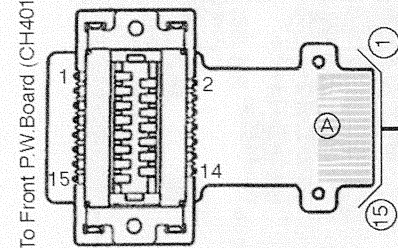
Parts Layout on P.W.Boards and Wiring Diagram (1/4)

Main P.W.Board (Component Side View)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern



CH501
ASSY,UNIZON CONN 93A
(Top Side View)



CH601
ASSY,CONN 2P

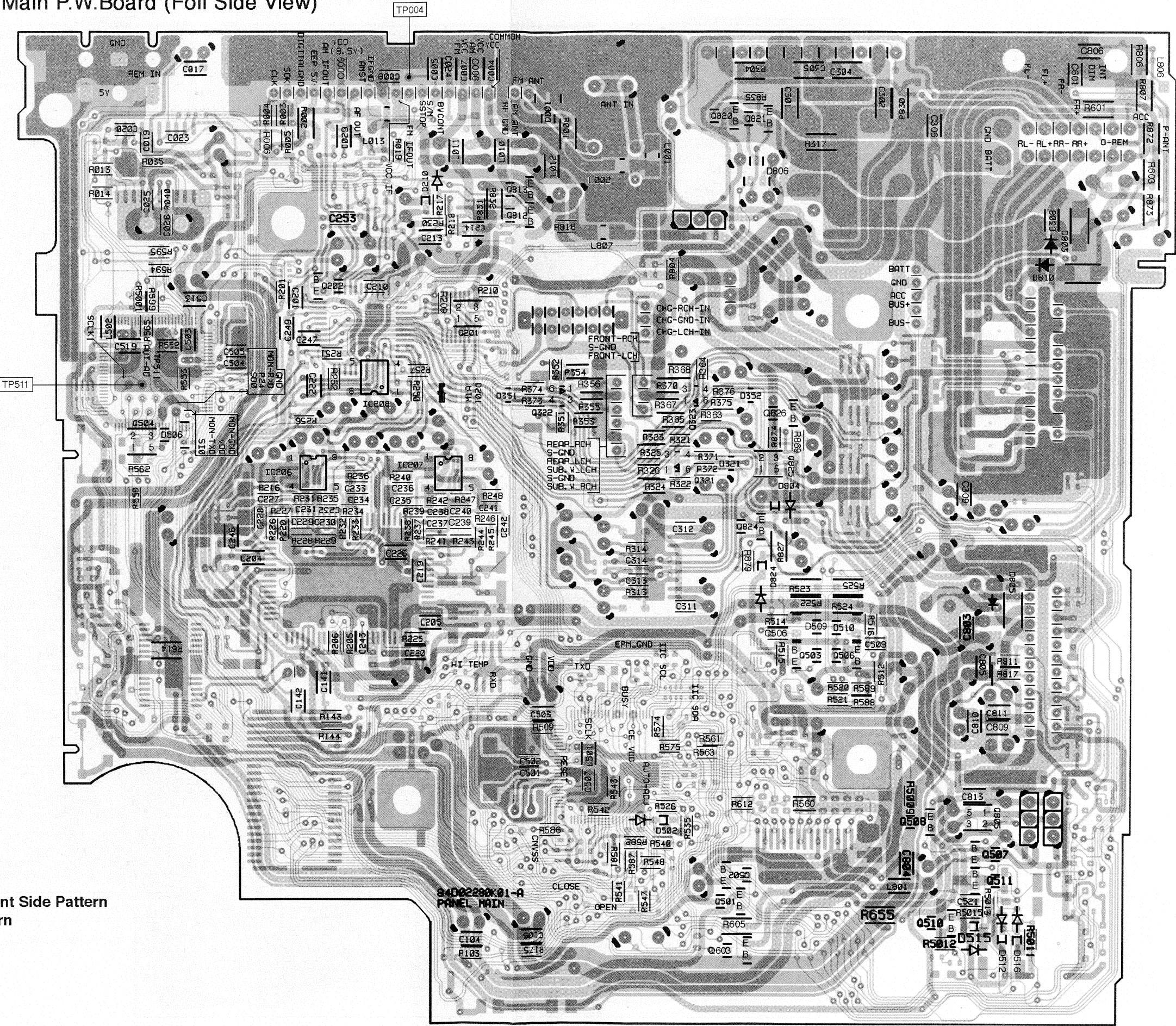
M601
MOTOR,LOAD FF-050SK
(NOSE MOTOR/7V-370mA)

To CH102
To DP-S Main P.W.Board (CB101)

A | B | C | D | E | F | G

Parts Layout on P.W.Boards and Wiring Diagram (2/4)

Main P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

1



3



A

B

C

D

E

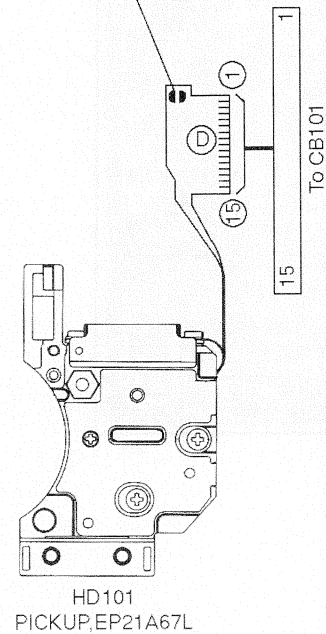
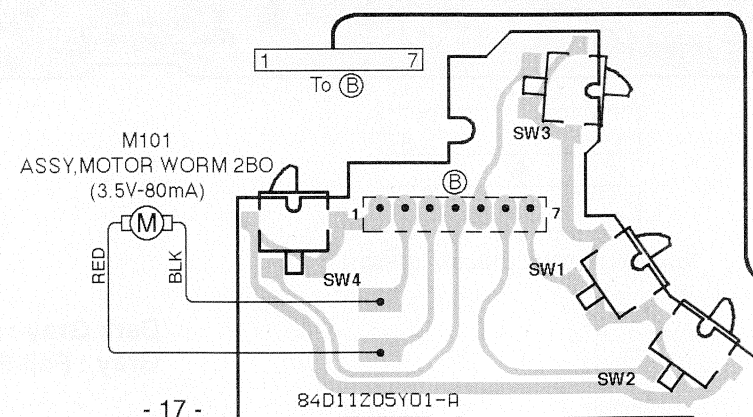
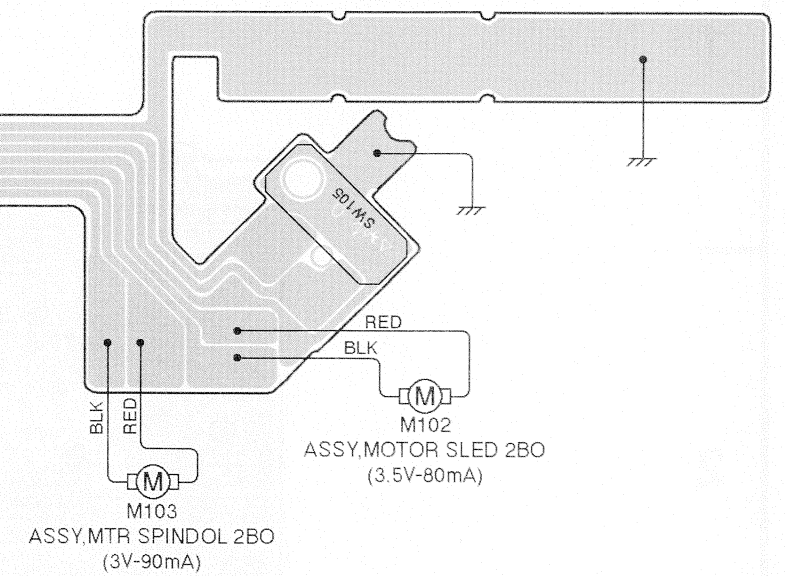
F

G

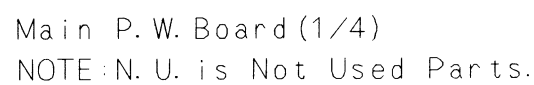
Parts Layout on P.W.Boards and Wiring Diagram (4/4)

DP-S Main P.W.Board
(Foil Side View)

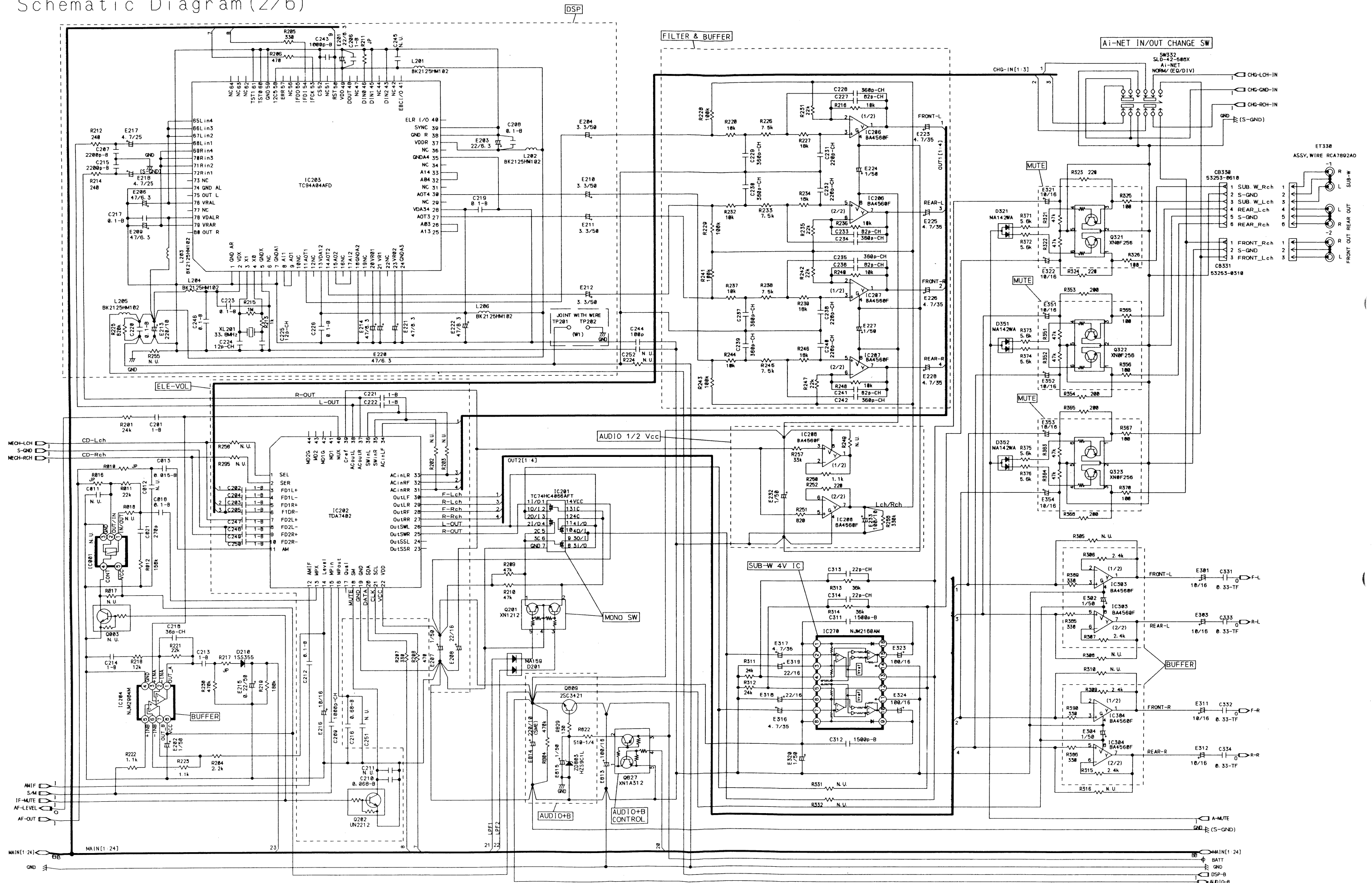
The patterns should be short-circuited,
when the PICKUP is removed
from DP-S Mechanism.

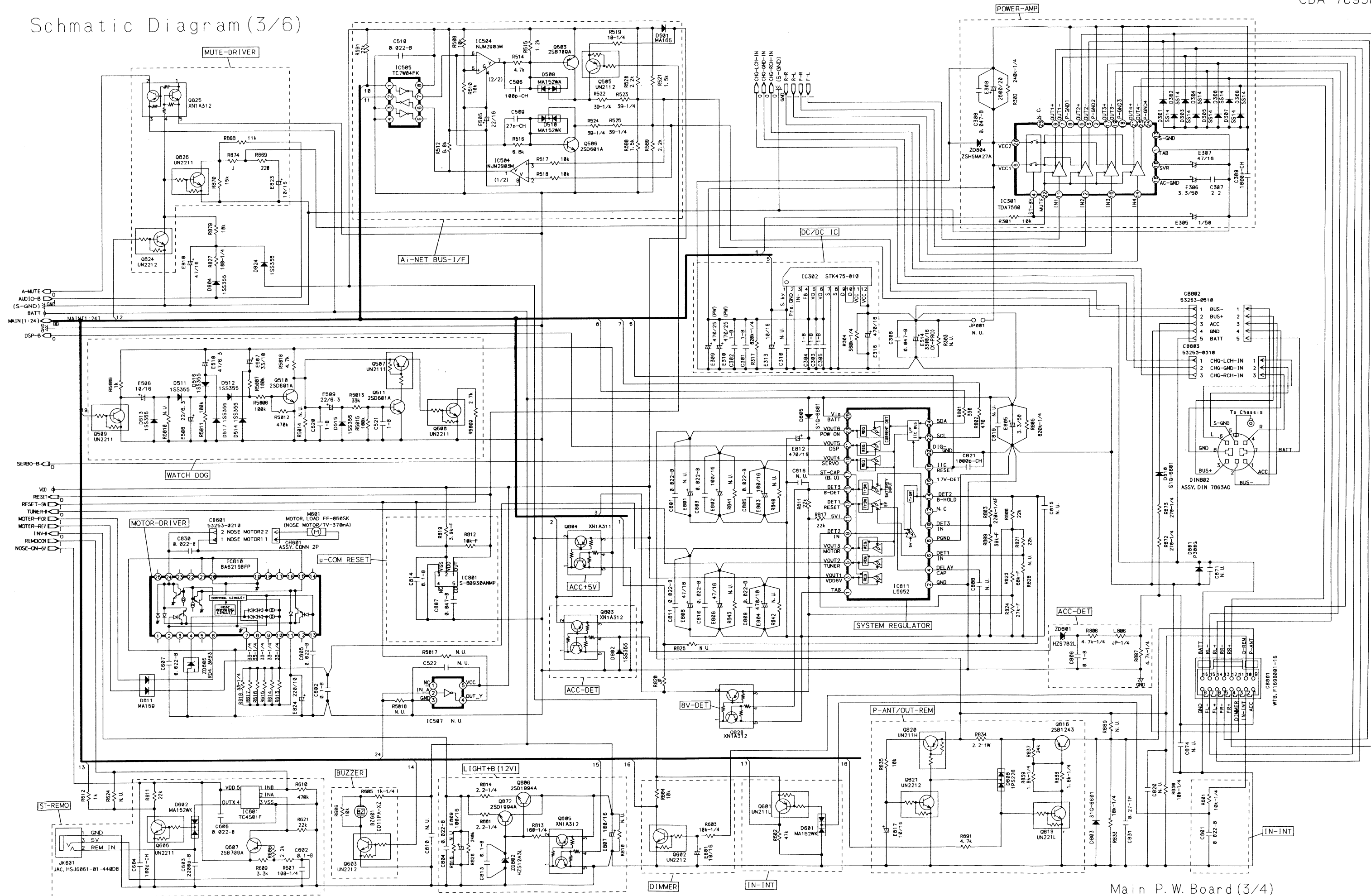
FPC CONT P.W.Board
(Foil Side View)DP-S Switch P.W.Board
(Foil Side View)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern



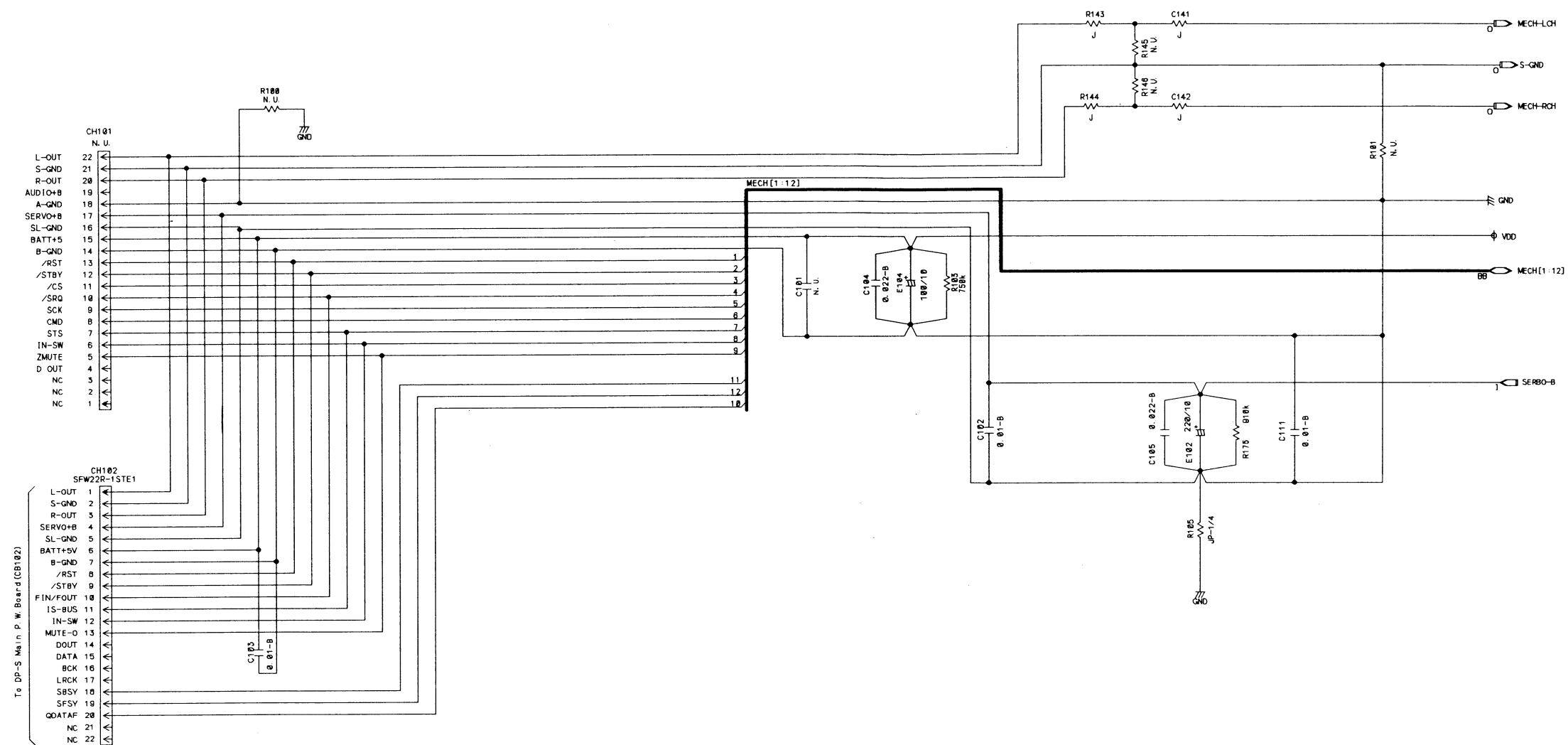
CDA-7893R
Schematic Diagram (2/6)

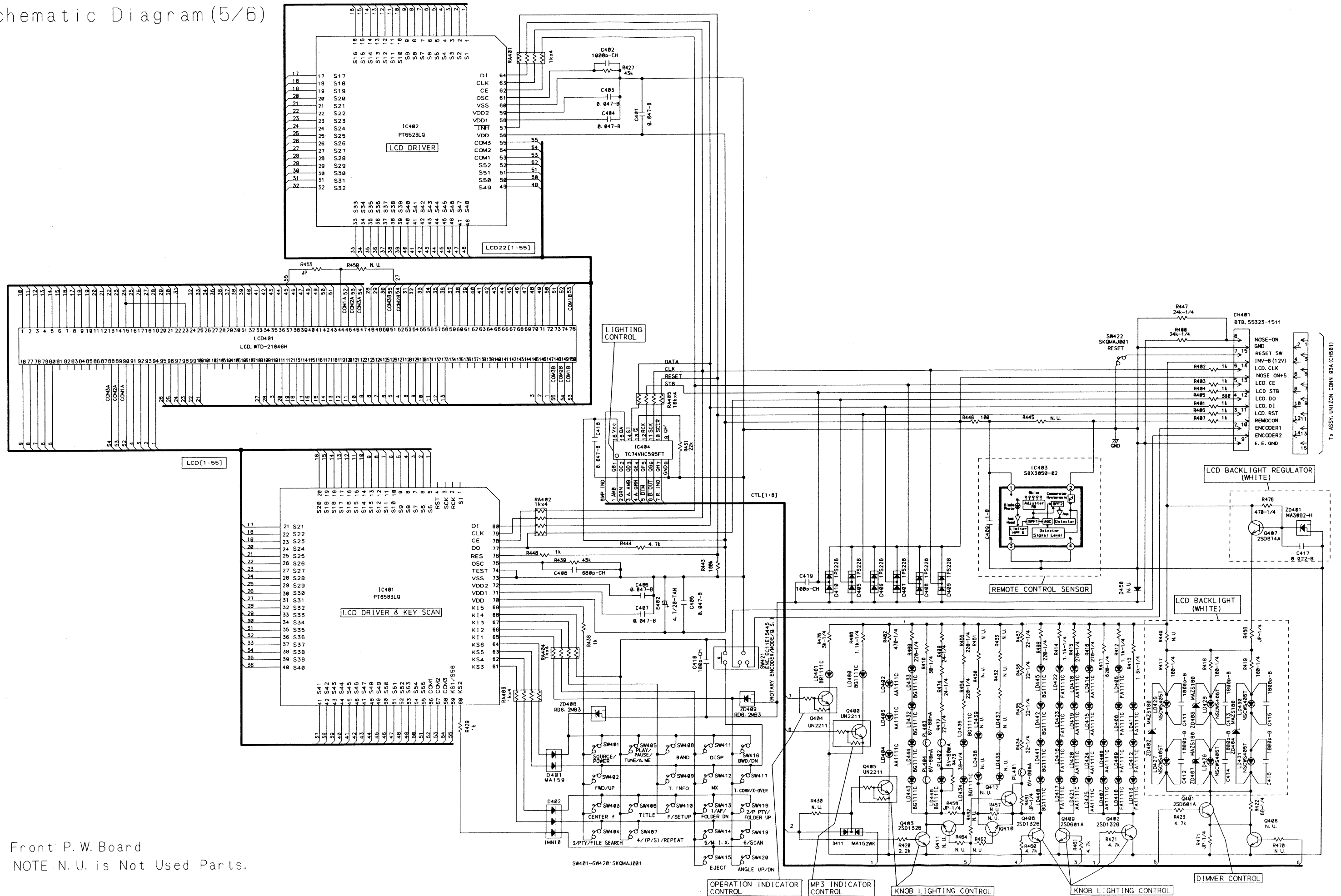




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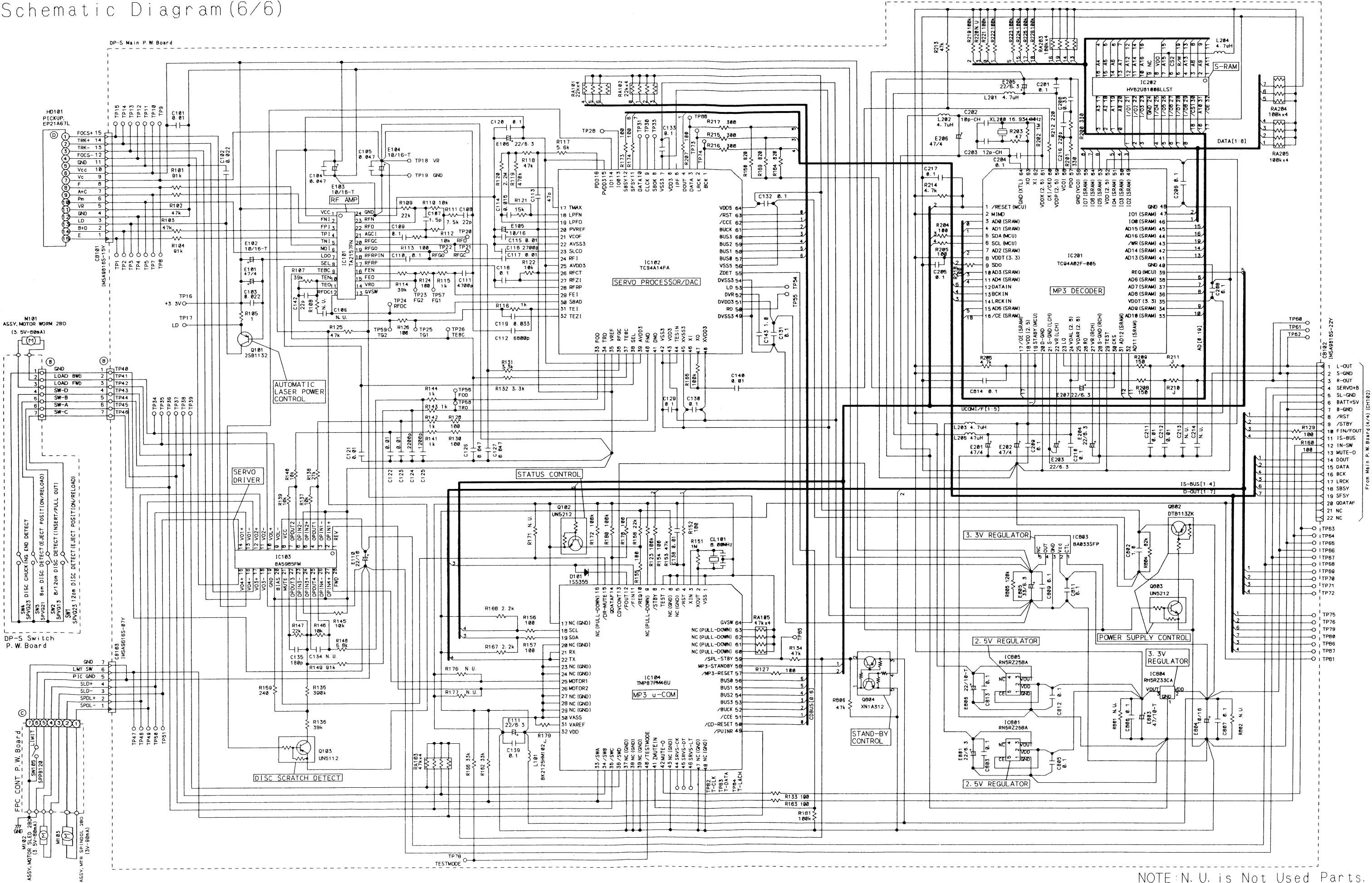
Schematic Diagram (4/6)





Front P. W. Board
NOTE: N. U. is Not Used Parts.

CDA-7893R
Schematic Diagram (6/6)



NOTE: N. U. is Not Used Parts.

Terminal Voltage of IC/TR

IC005								
1	0	6	0	11	0/4.8	CD782:Trk1/Trk2	16	2.4
2	0	7	4.8	12	0		17	2.4
3	0	8	4.8	13	2.4		18	2.4
4	CLK	9	PS	14	4.8		19	2.4
5	CLK	10	PS	15	0		20	2.4

IC201					
1	4.4		8	4.4	
2	4.4		9	4.4	
3	4.4		10	4.4	
4	4.4		11	4.4	
5	0/8.7	LPF:FLAT/ON	12	8.7/0	LPF:FLAT/ON
6	0/8.7	LPF:FLAT/ON	13	8.7/0	LPF:FLAT/ON
7	0		14	8.8	

IC202									
1	NC	10	4.3	19	0	28	4.4	37	4.4
2	NC	11	4.3	20	4.9	29	4.4	38	4.4
3	4.3	12	4.3	21	4.9	30	4.4	39	4.4
4	4.3	13	4.3	22	8.7	31	4.3	40	4.4
5	4.3	14	4.3	23	NC	32	4.3	41	NC
6	4.3	15	0.7	24	NC	33	4.3	42	NC
7	4.3	16	4.3	25	4.4	34	4.3	43	NC
8	4.3	17	NC	26	4.4	35	4.3	44	NC
9	4.3	18	3.6	27	4.4	36	4.3		

IC203									
1	0	17	2.4	33	2.4	49	4.9	65	2.4
2	4.9	18	0	34	NC	50	4.9	66	2.4
3	CLK	19	NC	35	0	51	NC	67	2.4
4	CLK	20	2.5	36	NC	52	0	68	2.4
5	0	21	2.5	37	4.9	53	PS	69	2.4
6	NC	22	NC	38	0	54	PS	70	2.4
7	0	23	2.3	39	0	55	NC	71	2.4
8	2.5	24	0	40	NC	56	NC	72	2.4
9	2.5	25	2.4	41	NC	57	NC	73	NC
10	NC	26	2.4	42	NC	58	4.9	74	0
11	2.5	27	2.4	43	0	59	0	75	NC
12	NC	28	4.9	44	NC	60	0	76	2.4
13	4.9	29	NC	45	0	61	0	77	NC
14	2.4	30	2.4	46	0	62	NC	78	4.9
15	2.4	31	NC	47	NC	63	NC	79	2.4
16	NC	32	2.4	48	NC	64	NC	80	NC

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IC204		
1	4.4	
2	4.4	
3	4.4	
4	0	
5	4.2/0	TUNER/DISK
6	4.2/0	TUNER/DISK
7	4.2/0	TUNER/DISK
8	8.8	

IC206	
1	4.4
2	4.4
3	4.3
4	0
5	4.3
6	4.4
7	4.4
8	8.8

IC207	
1	4.4
2	4.4
3	4.3
4	0
5	4.3
6	4.4
7	4.4
8	8.8

IC208	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8

IC270			
1	8.7	9	8
2	3	10	0.7
3	4.5	11	0
4	3	12	7.4
5	3	13	7.4
6	4.5	14	0
7	3	15	0.7
8	8.7	16	8

IC301							
1	0		10	6.9	19	6.8	
2	0		11	6.9	20	14.1	
3	6.8		12	6.8	21	6.8	
4	0/4.9	STBY:ON/OFF	13	0	22	0/5.1	MUTE:ON/OFF
5	6.8		14	6.9	23	6.8	
6	14.1		15	6.9	24	0	
7	6.8		16	6.9	25	NC	
8	0		17	6.8			
9	6.8		18	0			

IC302			
1	0	7	0
2	0	8	0
3	NC	9	14.3
4	14	10	14.3
5	14	11	14.3
6	14	12	14.3

IC303	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8

IC304	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8

IC401									
1	NC	17	PS	33	PS	49	PS	65	PS
2	NC	18	PS	34	PS	50	PS	66	PS
3	NC	19	PS	35	PS	51	PS	67	PS
4	NC	20	PS	36	PS	52	PS	68	PS
5	PS	21	PS	37	PS	53	PS	69	PS
6	PS	22	PS	38	PS	54	PS	70	4.9
7	PS	23	PS	39	PS	55	PS	71	3.2
8	PS	24	PS	40	PS	56	PS	72	1.6
9	PS	25	PS	41	PS	57	PS	73	0
10	PS	26	PS	42	PS	58	PS	74	0
11	PS	27	PS	43	PS	59	PS	75	PS
12	PS	28	PS	44	PS	60	PS	76	4.9
13	PS	29	PS	45	PS	61	PS	77	PS
14	PS	30	PS	46	PS	62	PS	78	PS
15	PS	31	PS	47	PS	63	PS	79	CLK
16	PS	32	PS	48	PS	64	PS	80	PS

IC402									
1	PS	14	PS	27	PS	40	PS	53	PS
2	PS	15	PS	28	PS	41	PS	54	PS
3	PS	16	PS	29	PS	42	PS	55	PS
4	PS	17	PS	30	PS	43	PS	56	4.9
5	PS	18	PS	31	PS	44	PS	57	4.9
6	PS	19	PS	32	PS	45	PS	58	3.2
7	PS	20	PS	33	PS	46	PS	59	1.6
8	PS	21	PS	34	PS	47	PS	60	0
9	PS	22	PS	35	PS	48	PS	61	PS
10	PS	23	PS	36	PS	49	PS	62	PS
11	PS	24	PS	37	PS	50	PS	63	PS
12	PS	25	PS	38	PS	51	PS	64	PS
13	PS	26	PS	39	PS	52	PS		

IC403	
1	4.8
2	PS
3	0
4	0

IC404					
1	0.1/4.9	AMB:OFF/ON	9	NC	
2	4.9	GREEN	10	PS	
3	4.9	AUDIO AMBER	11	PS	
4	4.9	AUDIO GREEN	12	PS	
5	4.9/0	DIMMER:OFF/ON	13	0	
6	NC		14	PS	
7	4.9	REM IND	15	0/4.9	CD/MP3
8	0		16	4.9	

IC501					
1	NC		51	4.9/0	MUTE:OFF/ON
2	PS	at Input REMO-CON	52	0/4.9	IN-INT:OFF/ON
3	NC		53	4.9/0	TUNER/DISC
4	PS	TEXT DISC first reading	54	CLK	
5	CLK	TEXT DISC first reading	55	4.9/0	ILLM:OFF/ON
6	0		56	4.9	
7	0		57	0	
8	NC		58	4.9/0	Obit MUTE ON/OFF
9	NC		59	PS	
10	4.9		60	4.9	
11	CLK		61	PS	
12	0		62	0	
13	CLK		63	NC	
14	4.9		64	NC	
15	4.9		65	4.9	
16	4.9		66	NC	
17	4.9		67	NC	
18	4.9		68	NC	
19	NC		69	NC	
20	NC		70	NC	
21	NC		71	PS	
22	0/PS	BUZZER:OFF/ON	72	CLK	MP3 DISC first reading
23	PS		73	4.9/PS	TUNER/DISK
24	4.9		74	4.9/PS	TUNER/DISK
25	0/4.9	TUNER/DISK	75	4.9	
26	NC		76	NC	
27	PS		77	NC	
28	PS		78	PS	
29	4.9/PS	TUNER/DISK	79	4.9	
30	4.9/PS	TUNER/DISK	80	4.9	
31	NC		81	0/4.9	Nose:Close/Open
32	4.9/0	CD IN/OUT	82	4.9/0	Nose:Close/Open
33	PS		83	0/4.9	Nose:Close/Open
34	PS		84	NC	
35	NC		85	4.9	at active NOSE Opened
36	PS		86	4.9	at active NOSE Closed
37	4.9		87	4.7	
38	4.9/0	LPF:FLAT/ON	88	NC	
39	0/4.9	LPF:FLAT/ON	89	-	
40	4.9		90	0	
41	PS		91	4.8	
42	PS		92	NC	
43	PS		93	NC	
44	PS		94	0	
45	PS		95	2.5	
46	PS		96	4.9	
47	NC		97	4.9	
48	4.9/0	PWR IN:ON/OFF	98	NC	
49	4.9		99	NC	
50	NC		100	NC	

IC502					
1	0/Lo or Hi	at receiving RDS : OFF/ON	51	0	
2	NC		52	4.9	
3	NC		53	4.9	
4	0		54	4.9	
5	NC		55	NC	
6	NC		56	NC	
7	NC		57	NC	
8	NC		58	NC	
9	4.9		59	NC	
10	CLK		60	NC	
11	CLK		61	NC	
12	0		62	NC	
13	NC		63	NC	
14	0		64	NC	
15	4.9		65	NC	
16	4.9		66	NC	
17	4.5		67	NC	
18	NC		68	NC	
19	PS		69	NC	
20	NC		70	NC	
21	NC		71	NC	
22	NC		72	0	
23	4.9		73	NC	
24	4.9		74	NC	
25	0.7		75	NC	
26	0		76	NC	
27	0.1/3.8	SEEK STOP/SEEK	77	NC	
28	3.87/PS	SEEK STOP/SEEK	78	NC	
29	4.2/0	AM:SEEK STOP/SEEK	79	NC	
30	2.95	FM:SEEK STOP/SEEK	80	NC	
31	0		81	5	
32	0		82	NC	
33	0		83	NC	
34	NC		84	NC	
35	NC		85	NC	
36	5		86	NC	
37	PS		87	NC	
38	PS		88	NC	
39	PS		89	NC	
40	5		90	NC	
41	5		91	NC	
42	NC		92	0/4.7	CD782:Trk1/Trk2
43	NC		93	4.7	
44	NC		94	0.8	
45	NC		95	PS	
46	NC		96	PS	
47	NC		97	4.9/PS	
48	5/PS	DISC/TUNER	98	4.9/PS	
49	NC		99	NC	
50	NC		100	0.1/8.25	

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IC504	
1	PS
2	PS
3	PS
4	0
5	2.4
6	PS
7	PS
8	4.9

IC505	
1	PS
2	PS
3	0
4	0
5	4.9
6	PS
7	PS
8	4.9

IC506	
1	0
2	0
3	0
4	0
5	PS
6	PS
7	0
8	4.9

IC601	
1	4.5
2	0
3	0
4	0
5	4.9

IC801	
1	4.9
2	4.9
3	0
4	NC
5	0

IC811					
1	0	14	4.9		
2	0	15	2.6		
3	4.9	16	NC		
4	4.4	17	13.6		
5	8.2	18	4.8/0		RESET:OFF/ON
6	4.9	19	6.9		
7	8.4	20	0		
8	0	21	4.9		
9	1.4	22	PS		
10	2.1	23	14.3		
11	4.9	24	PS		
12	NC	25	14.3		
13	NC				

IC810					
1	NC		14	NC	
2	5.8	at active NOSE Opened	15	0/4.0	Nose:Open/Close
3	NC		16	NC	
4	3.7	at active NOSE Motor	17	NC	
5	NC		18	NC	
6	3.9	Nose Open	19	0	
7	0		20	0	
8	3.9	Nose Close	21	0	
9	NC		22	NC	
10	8.4		23	NC	
11	8.4		24	4.0/0	Nose:Open/Close
12	NC		25	NC	
13	5.8	at active NOSE Closed			

	1	2	3	4	5	MODE
Q010	NC	4.8	4.9	8.3	0	
Q201	0/8.7	8.7/0	0/4.4	0	4.4/0	Sub.W :LPF ON/FLAT
Q504	NC	4.9	4.9	4.4/4	0	DISK/FM
Q803	NC	4.9/0	4.9	6.4/0	0	ACC:ON/OFF
Q804	NC	4.9/0	4.9	4.9/0	0	ACC:ON/OFF
Q805	NC	14.2/0	14	4.7/0	0	POWER:ON/OFF
Q825	NC	0	14.3/0	0/3.5	0/14.3	MUTE:OFF/ON
Q827	NC	14.0/0	14	4.7/0	0	POWER:ON/OFF
Q828	NC	4.9	4.9	2.7	0	

	1	2	3	4	5	6	MODE
Q321	0	0	0	0/6.4	0	0/6.4	MUTE:OFF/ON
Q322	0	0	0	0/6.3	0	0/6.4	MUTE:OFF/ON
Q323	0	0	0	0/6.3	0	0/6.4	MUTE:OFF/ON

	E	C	B	MODE
Q001	0	PS	0	
Q202	0	3.6	0	
Q400	0.1/0.2	10.2/0.2	0.1/4.9	MP3 IND:OFF/ON
Q401	0	0.2/1.8	0.8/0	DIM:OFF/ON
Q402	0.1/0	9.3/0.1	0.1/0.7	AMB:OFF/ON
Q403	0	0.1	0.8	
Q404	0	0	4.8	
Q405	0	0.1	4.8	
Q407	7.9	11.8	8.5	
Q408	0	0.2/12.1	0.7/0	GRN/AMB
Q409	0	6.9/0.1	0/0.8	GRN/AMB
Q501	4.9	4.9/1.2	0/4.9	ACC:ON/OFF
Q502	0	0/4.9	4.7/0	ACC:ON/OFF
Q503	4.9	2.0/PS	4.9/PS	CHGER:OFF/ON
Q505	4.9	2.0/PS	4.9/PS	RESET:OFF/ON
Q506	0/4.8	2.9/PS	0/PS	CHGER:OFF/ON
Q507	0	0	0	
Q508	0	4.9	0	
Q509	0	PS	PS	
Q510	0	0	0.6	
Q511	0	0	0	
Q601	4.9	0/4.8	8.9/3.0	IN-INT:OFF/ON
Q602	0	4.9/0	0/10.2	DIMER:OFF/ON
Q603	0	14.2/PS	0/PS	BUZER:OFF/ON
Q606	0	4.7	0	
Q607	4.9	0	4.9	
Q645	0	9.1/0	0/4.5	Others/NOSE FULL OPEN
Q806	12.3/0	14	13.0/0	BL LED:ON/OFF
Q809	8.7/0	14	9.3/0	POWER:ON/OFF
Q812	8.2	8.1/2.0	0/8.2	FM/AM
Q813	8.22	0/8.1	8.1/7.4	FM/AM
Q816	14	0/14.3	14.3/13.6	DISC/FM
Q819	0	14.3/0	0/2.5	DISC/FM
Q820	14.3	14.3	0	
Q821	0	0	9.9	
Q824	0	0/3.5	4.7/0	MUTE:OFF/ON
Q826	0	5.0/0	0/3.5	MUTE:OFF/ON
Q872	12.4/0	14	13.1/0	BL LED:ON/OFF

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Conditions : FM : 98.1MHz
AM : 999KHz
CD : at playing Disc

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(CD Deck Mechanism)

IC101			
1	3.32	13	2.73
2	1.62	14	1.66
3	1.62	15	1.65
4	1.7	16	1.67
5	1.7	17	2.93
6	0.19	18	1.66
7	2.63	19	1.25
8	2.06	20	0.23
9	2.63	21	2.38
10	1.34	22	1.26
11	1.63	23	1.66
12	2.77	24	0.01

IC103			
1	0.01	15	3.41
2	1.66	16	3.15
3	1.66	17	3.28
4	1.67	18	3.28
5	1.67	19	0
6	1.66	20	1.66
7	1.57	21	4.99
8	6.95	22	1.67
9	0.03	23	1.66
10	0.03	24	1.67
11	3.58	25	1.69
12	2.94	26	1.66
13	3.13	27	1.67
14	3.43	28	0.01

IC102					
1	PS(0-3.3)	DIGITAL OUTPUT	33	1.63	
2	PS(0-3.3)	DIGITAL OUTPUT	34	1.67	
3	PS(0-3.3)	DIGITAL OUTPUT	35	1.66	
4	PS(0-3.3)	DIGITAL OUTPUT	36	0.13	
5	0.01		37	1.63	
6	3.32		38	2.06	
7	0.01		39	3.32	
8	4.99		40	1.55	
9	1.81		41	1.77	
10	4.99		42	0	
11	4.99		43	3.32	
12	1.66		44	0.01	
13	1.31		45	0.01	
14	4.99		46	CLK	
15	3.32		47	CLK	
16	1.66		48	3.32	
17	1.67		49	0.01	
18	1.67		50	1.64	
19	1.57		51	3.32	
20	1.67		52	1.64	
21	1.06		53	1.64	
22	0.01		54	0.01	
23	1.59		55	5	
24	1.66		56	0.01	
25	3.32		57	PS(0-5)	
26	1.66		58	PS(0-5)	
27	1.66		59	PS(0-5)	
28	2.95		60	PS(0-5)	
29	1.65		61	PS(0-5)	
30	2.77		62	PS(0-5)	
31	1.63		63	5	
32	1.66		64	5	

IC104							
1	0.01	17	0.01	33	2.83	49	4.99
2	CLK	18	5.02	34	0	50	5
3	CLK	19	5.02	35	0	51	PS(0-5)
4	4.54	20	0.01	36	0	52	PS(0-5)
5	0.01	21	PS(0-5)	37	0.01	53	PS(0-5)
6	0.01	22	PS(0-5)	38	0.01	54	PS(0-5)
7	0.01	23	0.01	39	0.01	55	PS(0-5)
8	4.95	24	0.01	40	5.02	56	PS(0-5)
9	0.01	25	0.01	41	0.01	57	3.31
10	5.02	26	0.01	42	0.01	58	0.02
11	PS(0-5)	27	0.01	43	0.01	59	4.99
12	PS(0-5)	28	0.01	44	0.01	60	0.01
13	4.97	29	0.01	45	0.01	61	0.01
14	0	30	0.01	46	3.21	62	0.01
15	5	31	0.01	47	0.01	63	0.01
16	0.01	32	5.02	48	0.01	64	2.74

IC201								
1	3.31		17	3.31	33	3.31	49	3.31
2	3.31		18	2.43	34	3.31	50	3.31
3	3.31		19	0.02	35	3.31	51	3.4
4	3.31		20	0.01	36	3.31	52	2.43
5	5.02		21	0	37	3.31	53	3.31
6	5.01		22	1.23	38	3.31	54	0.01
7	3.31		23	1.23	39	0.01	55	3.31
8	3.36		24	2.49	40	0.01	56	0.01
9	0.75		25	2.49	41	3.31	57	1.43
10	3.31		26	1.25	42	3.31	58	1.34
11	3.31		27	1.25	43	3.31	59	2.5
12	PS(0-3.3)	DIGITAL OUTPUT	28	0	44	3.31	60	1.46
13	PS(0-3.3)	DIGITAL OUTPUT	29	0.01	45	3.31	61	CLK
14	PS(0-3.3)	DIGITAL OUTPUT	30	3.31	46	3.31	62	CLK
15	3.31		31	3.31	47	3.31	63	CLK
16	3.31		32	3.31	48	0.01	64	0.01

IC202							
1	3.31	9	3.31	17	3.31	25	3.31
2	3.31	10	3.31	18	3.31	26	3.31
3	3.31	11	3.31	19	3.31	27	3.31
4	3.31	12	3.31	20	3.31	28	0.01
5	3.31	13	3.31	21	3.31	29	3.31
6	3.31	14	3.31	22	3.31	30	3.31
7	3.31	15	3.31	23	3.31	31	3.31
8	3.31	16	3.31	24	0.01	32	3.31

IC801	
1	0
2	3.31
3	2.49
4	3.01
5	3.31

IC803	
1	4.96
2	5.02
3	0
4	3.32
5	1.89

IC804	
1	0
2	5.02
3	3.31

IC805	
1	0
2	3.31
3	2.5
4	2.78
5	3.31

	E	C	B
Q101	3.29	2.17	2.63
Q102	0	5.02	0.01
Q103	3.32	1.66	4.99
Q802	5.02	5	0.06
Q803	0.01	0.06	4.97

	1	2	3	4	5
Q804	NC	4.96	5.02	4.97	0.01

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Condition : at playing CD-DA

Description of IC Terminal

M30624FGGP : IC501

No.	Symbol	I/O	Terminal Description
1	NC	-	No connect terminal.
2	REMOCON DATA	I	Remote Control data input terminal.
3	NC	-	No connect terminal.
4	SFSY(DATA)	I	Data signal input terminal from MP3 μ -COM.
5	SBSY(CLK)	O	Data clock signal output terminal to MP3 μ -COM.
6	BYTE	-	GND connect terminal.
7	CNVSS		
8	NC	-	No connect terminal.
9			
10	RESET	I	System RESET input terminal.
11	XOUT	O	Crystal connect terminal for main system clock OSC.
12	VSS	-	GND connect terminal.
13	XIN	I	Crystal connect terminal for main system clock OSC.
14	VCC	-	Power supply terminal.
15	NMI (PULL-UP)	-	Pull-up connect terminal.
16	8V-DET	I	8V detect signal input terminal.
17	ACC-DET	I	ACC detect signal input terminal.
18	BATT-DET	I	BATT detect signal input terminal.
19	NC	-	No connect terminal.
20	V-CONT(NC)		
21	NC		
22	BUZZER	O	BUZZER signal output terminal.
23	BUS IN	I	Data serial signal input terminal from Ai-NET BUS.
24	MP3 RST	O	System RESET signal output terminal to MP3 μ -COM.
25	MP3 STBY	O	Active stand-by request signal output terminal to MP3 μ -COM.
26	NC	-	No connect terminal.
27	BUS IN	I	Data serial signal input terminal from Ai-NET BUS.
28	BUS OUT	O	Data serial signal output terminal to Ai-NET BUS.
29	MP3 TxD	O	Command data output terminal to MP3 μ -COM.
30	MP3 RxD	I	Status data input terminal from MP3 μ -COM.
31	NC	-	No connect terminal.
32	CD IN-SW	I	DISC insert detect SW signal input terminal.
33	RDS TxD	O	Command data signal output terminal to RDS μ -COM.
34	RDS RxD	I	Status data input terminal from RDS μ -COM.
35	NC	-	No connect terminal.
36	LCD CE	O	Chip enable signal output terminal to LCD Driver.
37	LCD RST	O	RESET signal output terminal to LCD Driver.
38	LPF1	O	SUB.W ST/MONO switching control output terminal.
39	LPF2		
40	NOSE PWR	O	Power SW output terminal to around NOSE circuit.
41	LCD STB	O	Strobe signal output terminal to LCD Driver.
42	LCD DO	O	Serial data signal output terminal to LCD Driver.
43	LCD DI	I	Serial data signal input terminal from LCD Driver.
44	LCD CLK	O	Serial clock signal output terminal to LCD Driver.
45	ENCODER2	I	ENCODER2 input terminal.
46	ENCODER1	I	ENCODER1 input terminal.

No.	Symbol	I/O	Terminal Description
47	OUT REM(NC)	-	No connect terminal.
48	PWR IC ON	0	Power-IC stand-by control signal output terminal.
49	POWER CONT	0	Power control signal output terminal.
50	NC	-	No connect terminal.
51	A-MUTE	0	Audio MUTE signal output terminal.
52	IN-INT	I	Outer interrupt signal input terminal.
53	P-ANT	0	Outer P-ANT control signal output terminal.
54	WATCH DOG CLK	0	Pulse output terminal.
55	IN DIMMER	I	Outer DIMMER detect signal input terminal.
56	BL LED	0	LED control signal output terminal for LCD backlight.
57	60W CONT	0	60W AMP control signal output terminal.
58	ZERO DET	I	Obit MUTE signal input terminal from MP3 μ -COM.
59	IIC-DATA	I/O	Serial data signal input/output terminal for IIC system control.
60	VCC	-	Power supply terminal.
61	IIC-CLK	0	Clock signal output terminal for IIC system control.
62	VSS	-	GND connect terminal.
63	DIMMER CONT(NC)	-	No connect terminal.
64	NC		
65	DHE RESET	0	RESET signal output terminal to DHE-IC.
66	NC	-	No connect terminal.
67			
70			
71	RDS FIN	I	Status data input terminal from RDS μ -COM.
72	CLK	I	Sync. clock signal input terminal from MP3 μ -COM.
73	MP3 FIN	I	Data-IN signal input terminal from MP3 μ -COM.
74	MP3 FOUT	0	Data-OUT signal output terminal to MP3 μ -COM.
75	REG-RST	0	RESET signal output terminal to System Power-IC.
76	RDS RST(NC)	-	No connect terminal.
77	NC		
78	RDS FOUT	0	Data-OUT signal output terminal to RDS μ -COM.
79	RDS STBY	0	Stand-by signal output terminal to RDS μ -COM.
80	T-AMUTE	I	A-MUTE signal input terminal from RDS μ -COM.
81	DOOR LED	0	DOOR LED lighting control output terminal.
82	LIMIT SW-1(OPEN)	I	Open Limit SW signal input terminal.
83	LIMIT SW-2(CLOSE)	I	Close Limit SW signal input terminal.
84	MOTOR ON(NC)	-	No connect terminal.
85	MOTOR FOR	0	Active NOSE Motor forward driving signal output terminal.
86	MOTOR REV	0	Active NOSE Motor backward driving signal output terminal.
87	Hi-TEMP	I	CD mechanism temperature detect signal input terminal.
88	NC	-	No connect terminal.
89	AUDIO	I	A/D data input terminal from Audio Level signal.
90	AREA	I	Area/Function definition port.
91	T-SENS	I	60W temperature detect signal input terminal.
92	NC	-	No connect terminal.
93			
94	AVSS	-	GND connect terminal of A/D Converter.
95	NOSE DET	I	NOSE attached detect terminal.
96	VREF	-	Standard voltage input terminal of A/D Converter.
97	AVCC	-	Power supply input terminal of A/D Converter.

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No.	Symbol	I/O	Terminal Description
98	NC	-	No connect terminal.
99			
100			

D78F4216AGC : IC502

No.	Symbol	I/O	Terminal Description
1	IF MUTE	0	IF MUTE control terminal. (H:IF MUTE ON)
2	NC	-	No connect terminal.
3			
4	RDS-CONT	0	RDS data input prevention control terminal of adjoining station. (H:RDS OFF)
5	IF MUTE(NC)	-	No connect terminal.
6	NC		
7			
8			
9	VDD	-	Power supply terminal.
10	X2	-	Crystal OSC connect terminal for main system clock OSC. (12.288MHz)
11	X1		
12	VSS	-	GND connect terminal.
13	XT2(NC)	-	No connect terminal.
14	XT1(GND)	-	GND connect terminal.
15	RESET	I	System reset input terminal.
16	BATT-DET	I	BATT compulsion stand-by signal input terminal from VDD IC.
17	STANDBY	I	Stand-by signal input terminal from Main μ -COM.
18	NC	-	No connect terminal.
19	IS BUS Fin	I	IS BUS frame signal input terminal.
20	NC	-	No connect terminal.
21			
22			
23	AVDD	-	Analog power supply terminal of A/D converter.
24	AVREF0	I	Standard voltage input terminal of A/D converter.
25	S-METER	I	Signal-Meter input terminal.
26	MULTIPATH	I	Multipath input terminal of RDS Decoder.
27	ADJCH-DET	I	Adjoining station detect input terminal.
28	SSTOP	I	FM station detect signal input terminal.
29	AMST/MP	I	SEEK STOP detect input terminal at AM. (H:Station ON)
30	AFC	I	FM station detect signal input terminal.
31	NC(GND)	-	GND connect terminal.
32			
33	AVSS	-	GND terminal of A/D converter.
34	NC	-	No connect terminal.
35			
36	AVREF1	I	Standard voltage input terminal of D/A converter.
37	IS BUS RX	I	IS BUS receiving terminal.
38	IS BUS TX	0	IS BUS transmitting terminal.
39	IS BUS Fout	0	IS BUS frame signal output terminal.
40	MONITOR RXD	I	Command input terminal for RDS monitor (P/C). (Pull-up connect)
41	MONITOR TXD	0	Status output terminal for RDS monitor (P/C).

No.	Symbol	I/O	Terminal Description
42	NC	-	No connect terminal.
43			
47			
48	T-MUTE	0	MUTE signal output terminal to Main μ -COM.
49	NC	-	No connect terminal.
50			
51	MARKET1	I	Area set up terminal.
52	MARKET2		
53	MARKET3		
54	AUTO-ADJ	I	Auto adjustment start signal terminal of FM/AM TUNER. (L : start)
55	NC	-	No connect terminal.
70			
71			
72	VSS	-	GND connect terminal.
73	NC	-	No connect terminal.
74			
80			
81	VDD	-	Power supply terminal.
82	NC	-	No connect terminal.
83			
91			
92	PAUSE	I	Audio signal detect terminal. (L : Blank)
93	DAVN	I	Data available input terminal of RDS Decoder.
94	TEST/VPP	-	GND connect terminal.
95	RDS SDA	I/O	Data input/output terminal to RDS Decoder.
96	RDS SCL	0	Clock output terminal to RDS Decoder.
97	IIC SCL	0	IIC clock output terminal to TUNER-IC(TDA7511).
98	IIC SDA	I/O	IIC data input/output terminal to TUNER-IC(TDA7511).
99	TUNER ON(NC)	-	No connect terminal.
100	FM/AM	0	FM/AM power supply switching terminal. (L:FM)

TMP87PM48U : IC104 (DP23SOC0)

No.	Symbol	I/O	Terminal Description
1	VSS	-	GND connect terminal.
2	XOUT	-	High-Frequency OSC connect terminal. (8MHz)
3	XIN		
4	/RST	I	RESET signal input terminal. (MCU RESET)
5	NC(GND)	-	GND connect terminal.
6			
7	TEST	-	TEST terminal. (GND connect)
8	/STBY	I	STBY signal input terminal.
9	NC(PULL-DOWN)	-	Pull-down connect terminal.
10	/REQ	I	REQ signal input terminal.
11	/FIN	I	FIN signal input terminal.
12	/FOUT	0	FOUT signal output terminal.
13	CDVCONT	0	Power supply control terminal for CD Servo system.
14	QDATAF	0	CD-TEXT data reading sync. signal output terminal.
15	/DR-MUTE	0	DR-MUTE control output terminal.

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No.	Symbol	I/O	Terminal Description
16	NC(PULL-DOWN)	-	Pull-down connect terminal.
17	NC(GND)	-	GND connect terminal.
18	SCL	0	IIC BUS SCL output terminal.
19	SDA	I/O	IIC BUS SDA input/output terminal.
20	NC(GND)	-	GND connect terminal.
21	RX	I	UART signal input terminal.
22	TX	0	UART signal output terminal.
23	NC(GND)	-	GND connect terminal.
24			
25	MOTOR1	0	MOTOR1 control output terminal.
26	MOTOR2	0	MOTOR2 control output terminal.
27	NC(GND)	-	GND connect terminal.
28			
29			
30	VASS	-	GND terminal for analog standard voltage of A/D converter.
34	SI	0	DSP serial data output terminal.
31	VAREF	-	+5V terminal for analog standard voltage of A/D converter.
32	VDD	-	Power supply (+5V) terminal.
33	/SWA	I	SW-A signal input terminal.
34	/SWB	I	SW-B signal input terminal.
35	/SWC	I	SW-C signal input terminal.
36	/SWD	I	SW-D signal input terminal.
37	NC(GND)	-	GND connect terminal.
38			
39			
40	/TESTMODE	I	TEST Mode set up input terminal.
41	ZMUTEIN	I	Z-MUTE input terminal.
42	MUTE-O	0	MUTE request terminal.
43	NC(GND)	-	GND connect terminal.
44	SRVS-CK	0	Servo status clock terminal.
45	SRVS-DT	0	Servo status data terminal.
46	SRVS-LT	0	Servo status latch terminal.
47	NC(GND)	-	GND connect terminal.
48			
49	/PUINR	I	PU limit SW input terminal.
50	/CD-RESET	0	RESET control output terminal.
51	/CCE	0	CCE control output terminal.
52	/BUCK	0	BUCK control output terminal.
53	BUS3	I/O	BUS3 input/output terminal.
54	BUS2	I/O	BUS2 input/output terminal.
55	BUS1	I/O	BUS1 input/output terminal.
56	BUS0	I/O	BUS0 input/output terminal.
57	/MP3-RESET	0	DSP RESET control output terminal.
58	MP3-STANDBY	0	STAND-BY control output terminal.
59	/SPL-STBY	0	STBY control output terminal to Sensorless Driver-IC.
60	NC(PULL-DOWN)	-	Pull-down connect terminal.
61			
62			
63	NC(PULL-DOWN)	-	Pull-down connect terminal.
64			
64	GVSW	0	CD-DA/RW detect output terminal. (H:CD-DA, L:RW)

Electrical Parts List

Capacitor : μ F=microfarads,pF=picofarads

Abbreviations		
RES.= Resistor	CAP.= Capacitor	
C.F.= Carbon Film	ELY.= Electrolytic	
M.F.= Metal Film	CER.= Ceramic	
M.O.= Metal OxideFilm	MYL.= Mylar	
M.P.= Metal Plate	TAN.= Tantalum	
TR. = Transistor	POLY.= Polystyrol	
TRANS.= Transformer	PP. = Polypropylene	
CP. = Chip	PLT.= Polyethylene	
	PF. = Polyester Film	
Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC005	51T15132Y02	SAA6588T -SE9
IC201	51T15456Y01	TC74HC4066AFT-EL-SE5
IC202	51T35457Y02	TDA7402 -OT
IC203	51T45654Y01	TC94A04AFD -OT
IC204	51T93333F01	NJM2904M-TE3 -SE2
IC206	51T15420Y01	BA4560F-E2 -SE2
IC207	51T15420Y01	BA4560F-E2 -SE2
IC208	51T15420Y01	BA4560F-E2 -SE2
IC270	51T45330Y01	NJM2160AM-TE2 -SE6
IC301	51T35403Y01	TDA7560 -ZS
IC302	51T15426Y02	STK475-010 -IB
IC303	51T15420Y01	BA4560F-E2 -SE2
IC304	51T15420Y01	BA4560F-E2 -SE2
IC501	51T55350Y18	MTP, M30624FGGP
IC502	51T35566Y54	MTP, D78F4216AGC
IC504	51T93332F01	IC, NJM2903M-TE3 -SE2
IC505	51T25422Y02	TC7W04FK-TE85L -CP
IC506	51T25160Y01	M24C04-WMN6T -SE2
IC601	51T93532F05	TC4S01F-TE85L -CP
IC801	51T15720Y10	S-80930ANMP-T2 -CP
IC810	51T25448Y01	BA6219BFP-Y-E2 -SE9
IC811	51T45336Y01	L5952 -ZS
Transistors		
Q001	48T64222F01	TR ,UN2211 10-10 -TX
Q010	48T45594W16	TR, XN1A311-TX -CP
Q201	48T45594W08	TR ,XN1212 -TX-CP
Q202	48T64222F02	TR ,UN2212 22-22 -TX
Q321	48T25317Y01	TR, XN0F256-TX -CP
Q322	48T25317Y01	TR, XN0F256-TX -CP
Q323	48T25317Y01	TR, XN0F256-TX -CP
Q501	48T64221F13	TR, UN211H-TX -CP
Q502	48T64222F02	TR ,UN2212 22-22 -TX
Symbol No.	Part No.	Description
Q503	48T52437F05	TR ,2SB709A-S /TX-CP
Q504	48T45594W16	TR, XN1A311-TX -CP
Q505	48T64221F02	TR ,UN2112 22-22 -TX
Q506	48T52438F04	TR ,2SD601A-S /TX-CP
Q507	48T64221F01	TR ,UN2111 10-10 -TX
Q508	48T64222F01	TR ,UN2211 10-10 -TX
Q509	48T64222F01	TR ,UN2211 10-10 -TX
Q510	48T52438F04	TR ,2SD601A-S /TX-CP
Q511	48T52438F04	TR ,2SD601A-S /TX-CP
Q601	48T64221F11	TR, UN211L-TX -CP
Q602	48T64222F02	TR ,UN2212 22-22 -TX
Q603	48T64222F02	TR ,UN2212 22-22 -TX
Q606	48T64222F01	TR ,UN2211 10-10 -TX
Q607	48T52437F05	TR ,2SB709A-S /TX-CP
Q645	48T64222F01	TR ,UN2211 10-10 -TX
Q803	48T45594W12	TR ,XN1A312 -TX-CP
Q804	48T45594W16	TR, XN1A311-TX -CP
Q805	48T45594W12	TR ,XN1A312 -TX-CP
Q806	48T93828F04	TR, 2SD1994A-S-TA -RD
Q809	48T69176F02	TR ,2SC3421-Y
Q812	48T64221F13	TR, UN211H-TX -CP
Q813	48T52437F05	TR ,2SB709A-S /TX-CP
Q816	48T84336F03	TR, 2SB1243-Q-TV2 -RD
Q819	48T64222F12	TR, UN221L-TX -CP
Q820	48T64221F13	TR, UN211H-TX -CP
Q821	48T64222F02	TR ,UN2212 22-22 -TX
Q824	48T64222F02	TR ,UN2212 22-22 -TX
Q825	48T45594W12	TR ,XN1A312 -TX-CP
Q826	48T64222F01	TR ,UN2211 10-10 -TX
Q827	48T45594W12	TR ,XN1A312 -TX-CP
Q828	48T45594W12	TR ,XN1A312 -TX-CP
Q872	48T93828F04	TR, 2SD1994A-S-TA -RD
Diodes		
D001	48T85357W01	D10, 1PS226 -CP
D201	48T81063F01	D10, CP, MA159 / TX-CP
D210	48T25665Y01	D10, 1SS355-TE17 -CP
D301	48T02161K01	D10, SHT SS14 -E1
D302	48T02161K01	D10, SHT SS14 -E1
D303	48T02161K01	D10, SHT SS14 -E1
D304	48T02161K01	D10, SHT SS14 -E1
D305	48T02161K01	D10, SHT SS14 -E1
D306	48T02161K01	D10, SHT SS14 -E1
D307	48T02161K01	D10, SHT SS14 -E1

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Symbol No.	Part No.	Description
D308	48T02161K01	D10, SHT SS14 -E1
D321	48T45254W02	D10, SI MA142WA-TX-CP
D351	48T45254W02	D10, SI MA142WA-TX-CP
D352	48T45254W02	D10, SI MA142WA-TX-CP
D501	48T44813F03	D10, MA165 -R5
D502	48T25665Y01	D10, 1SS355-TE17 -CP
D503	48T25665Y01	D10, 1SS355-TE17 -CP
D504	48T25665Y01	D10, 1SS355-TE17 -CP
D505	48T25665Y01	D10, 1SS355-TE17 -CP
D506	48T25651W02	D10, MA152WK-TX -CP
D507	48T25665Y01	D10, 1SS355-TE17 -CP
D508	48T25665Y01	D10, 1SS355-TE17 -CP
D509	48T25651W01	D10, CP MA152WA
D510	48T25651W02	D10, MA152WK-TX -CP
D511	48T25665Y01	D10, 1SS355-TE17 -CP
D512	48T25665Y01	D10, 1SS355-TE17 -CP
D513	48T25665Y01	D10, 1SS355-TE17 -CP
D514	48T25665Y01	D10, 1SS355-TE17 -CP
D515	48T25665Y01	D10, 1SS355-TE17 -CP
D516	48T25665Y01	D10, 1SS355-TE17 -CP
D517	48T25665Y01	D10, 1SS355-TE17 -CP
D601	48T25651W02	D10, MA152WK-TX -CP
D602	48T25651W02	D10, MA152WK-TX -CP
D801	48T85268W01	D10, P300G -
D802	48T25665Y01	D10, 1SS355-TE17 -CP
D803	48T25593Y01	D10, S1G-6601 -E1
D804	48T25665Y01	D10, 1SS355-TE17 -CP
D805	48T25593Y01	D10, S1G-6601 -E1
D806	48T85357W01	D10, 1PS226 -CP
D810	48T25593Y01	D10, S1G-6601 -E1
D811	48T81063F01	D10, CP, MA159 / TX-CP
D824	48T25665Y01	D10, 1SS355-TE17 -CP
ZD501	48T25766W09	D10, ZEN, HZS 6C3L -R5
ZD801	48T25766W14	D10, ZEN, HZS 7B2L -R5
ZD802	48T25766W38	D10, ZEN, HZS12A3L -R5
ZD803	48T25766W24	D10, ZEN, HZS 9C1L -R5
ZD804	48T25064Y02	D10, ZEN ZSH5MA27A-ED
ZD806	48T62934F14	D10, ZEN, RD4.3MB3 -CP
Filters		
L010	91T65112W06	EMI, BK2125HM102 -CP
L011	91T65112W06	EMI, BK2125HM102 -CP
L012	91T65112W06	EMI, BK2125HM102 -CP
L201	91T65112W06	EMI, BK2125HM102 -CP
L202	91T65112W06	EMI, BK2125HM102 -CP
L203	91T65112W06	EMI, BK2125HM102 -CP
L204	91T65112W06	EMI, BK2125HM102 -CP

Symbol No.	Part No.	Description
L205	91T65112W06	EMI, BK2125HM102 -CP
L206	91T65112W06	EMI, BK2125HM102 -CP
L502	91T65112W06	EMI, BK2125HM102 -CP
L503	91T65112W06	EMI, BK2125HM102 -CP
L504	91T65112W06	EMI, BK2125HM102 -CP
L801	91T65112W01	EMI, BK2125HS121 -CP
CF001	91T75257W02	LPF, LPF11830KH-3C-DB
Coils		
L001	24T25164Y21	IND, FSLM2520 4R7J-CP
L002	24T16403W29	COI, IND. 15R-M -CP
L003	24T35286Y01	IND, MG56 523J -DB
L013	24T25164Y21	IND, FSLM2520 4R7J-CP
Crystals		
XL001	91T25806W18	XTL, 4.332M -AT51-TP
XL201	91T55274Y01	XTL, NX5032GA 33.8-E2
XL501	91T55217Y04	XTL, NX8045GB 16.0-E5
XL503	91T55217Y03	XTL, NX8045GB 12.2-E5
Thermistors		
TH501	48T25250Y01	TMT, ERTJ1V104J -CP
TH502	48T25250Y01	TMT, ERTJ1V104J -CP
LED's		
LD601	48T65477W05	LED, SML-010DTT87 -CP
LD602	48T65477W05	LED, SML-010DTT87 -CP
Buzzer		
BZ601	50T85541W01	BUZZER, CD11PA-XZ -H5
Switch		
SW332	40T45282W02	SW, SLIDE SLD-42-508X (Ai-NET-NORM/(EQ/DIV))

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
Surge Protector					
SA001	48T81048F02	PTT, DSP-201M -RD	C218	08S45677W25	CAP, CER 36RJ-CH1H-CP
			C219	08S35374W01	CAP, CER 104K-B1E-CP
			C220	08S35374W01	CAP, CER 104K-B1E-CP
			C221	08S35350Y04	CAP, CER 105K-B1C -CP
			C222	08S35350Y04	CAP, CER 105K-B1C -CP
Capacitors			C223	08S35374W01	CAP, CER 104K-B1E-CP
C004	08S65128F78	CAP, CER. 223K-B1H -CP	C224	08S45677W14	CAP, CER. 12RJ-CH1H-CP
C005	08S82122F61	CAP, CER. 102J-CH1H-CP	C225	08S45677W14	CAP, CER. 12RJ-CH1H-CP
C006	08S65128F78	CAP, CER. 223K-B1H -CP	C226	08S35374W01	CAP, CER 104K-B1E-CP
C007	08S65128F78	CAP, CER. 223K-B1H -CP	C227	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C008	08S45676W73	CAP, CER. 103K-B1H -CP	C228	08S45677W49	CAP, CER 361J-CH1H-CP
C009	08S45676W73	CAP, CER. 103K-B1H -CP	C229	08S45677W49	CAP, CER 361J-CH1H-CP
C010	08S35374W01	CAP, CER 104K-B1E-CP	C230	08S45677W49	CAP, CER 361J-CH1H-CP
C013	08S65128F71	CAP, CER. 153K-B1H -CP	C231	08S45677W44	CAP, CER. 221J-CH1H-CP
C016	08S45676W65	CAP, CER. 222K-B1H -CP	C232	08S45677W44	CAP, CER. 221J-CH1H-CP
C017	08S65128F78	CAP, CER. 223K-B1H -CP	C233	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C018	08S35374W01	CAP, CER 104K-B1E-CP	C234	08S45677W49	CAP, CER 361J-CH1H-CP
C019	08S45677W36	CAP, CER. 101J-CH1H-CP	C235	08S45677W49	CAP, CER 361J-CH1H-CP
C020	08S45676W73	CAP, CER. 103K-B1H -CP	C236	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C021	08S45677W46	CAP, CER 271J-CH1H-CP	C237	08S45677W49	CAP, CER 361J-CH1H-CP
C023	08S45677W48	CAP, CER. 331J-CH1H-CP	C238	08S45677W44	CAP, CER. 221J-CH1H-CP
C024	08S65128F90	CAP, CER 473K-B1H -CP	C239	08S45677W49	CAP, CER 361J-CH1H-CP
C025	08S45677W22	CAP, CER. 27RJ-CH1H-CP	C240	08S45677W44	CAP, CER. 221J-CH1H-CP
C026	08S45677W22	CAP, CER. 27RJ-CH1H-CP	C241	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C028	08S45676W65	CAP, CER. 222K-B1H -CP	C242	08S45677W49	CAP, CER 361J-CH1H-CP
C029	08S35374W01	CAP, CER 104K-B1E-CP	C243	08S35349Y08	CAP, CER 102K-B1H -CP
C030	08S45677W54	CAP, CER 561J-CH1H-CP	C244	08S45677W36	CAP, CER. 101J-CH1H-CP
C102	08S45676W73	CAP, CER. 103K-B1H -CP	C246	08S35374W01	CAP, CER 104K-B1E-CP
C103	08S45676W73	CAP, CER. 103K-B1H -CP	C247	08S35350Y04	CAP, CER 105K-B1C -CP
C104	08S65128F78	CAP, CER. 223K-B1H -CP	C248	08S35350Y04	CAP, CER 105K-B1C -CP
C105	08S65128F78	CAP, CER. 223K-B1H -CP	C249	08S35350Y04	CAP, CER 105K-B1C -CP
C111	08S45676W73	CAP, CER. 103K-B1H -CP	C250	08S35350Y04	CAP, CER 105K-B1C -CP
C201	08S35350Y04	CAP, CER 105K-B1C -CP	C253	08S35349Y08	CAP, CER 102K-B1H -CP
C202	08S35350Y04	CAP, CER 105K-B1C -CP	C301	08S60102F48	CAP, CER 105K-B1E -CP
C203	08S35350Y04	CAP, CER 105K-B1C -CP	C302	08S60102F48	CAP, CER 105K-B1E -CP
C204	08S35350Y04	CAP, CER 105K-B1C -CP	C303	08S60102F48	CAP, CER 105K-B1E -CP
C205	08S35350Y04	CAP, CER 105K-B1C -CP	C304	08S60102F48	CAP, CER 105K-B1E -CP
C206	08S35350Y04	CAP, CER 105K-B1C -CP	C305	08S60102F48	CAP, CER 105K-B1E -CP
C207	08S45676W65	CAP, CER. 222K-B1H -CP	C306	08S65128F90	CAP, CER 473K-B1H -CP
C208	08S35374W01	CAP, CER 104K-B1E-CP	C307	08T81833F11	CAP, CER 225K-B1C -CP
C209	08S82122F61	CAP, CER. 102J-CH1H-CP	C308	08S65128F90	CAP, CER 473K-B1H -CP
C210	08S45676W84	CAP, CER 683K-B1C -CP	C309	08S82122F61	CAP, CER. 102J-CH1H-CP
C212	08S35374W01	CAP, CER 104K-B1E-CP	C311	08S45676W63	CAP, CER 152K-B1H -CP
C213	08S35350Y04	CAP, CER 105K-B1C -CP	C312	08S45676W63	CAP, CER 152K-B1H -CP
C214	08S35350Y04	CAP, CER 105K-B1C -CP	C313	08S45677W20	CAP, CER. 22RJ-CH1H-CP
C215	08S45676W65	CAP, CER. 222K-B1H -CP	C314	08S45677W20	CAP, CER. 22RJ-CH1H-CP
C216	08S35349Y13	CAP, CER 684K-B1A -CP	C331	08T25628Y01	CAP, TF 334M-1C -CP
C217	08S35374W01	CAP, CER 104K-B1E-CP	C332	08T25628Y01	CAP, TF 334M-1C -CP
			C333	08T25628Y01	CAP, TF 334M-1C -CP

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Symbol No.	Part No.	Description
C334	08T25628Y01	CAP, TF 334M-1C -CP
C501	08S45677W12	CAP, CER. 10RD-CH1H-CP
C502	08S45677W12	CAP, CER. 10RD-CH1H-CP
C503	08S65128F78	CAP, CER. 223K-B1H -CP
C504	08S45677W12	CAP, CER. 10RD-CH1H-CP
C505	08S45677W12	CAP, CER. 10RD-CH1H-CP
C506	08S45677W36	CAP, CER. 101J-CH1H-CP
C507	08S45676W85	CAP, CER. 104K-B1C -CP
C509	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C510	08S65128F78	CAP, CER. 223K-B1H -CP
C513	08S65128F78	CAP, CER. 223K-B1H -CP
C514	08S35349Y08	CAP, CER. 102K-B1H -CP
C515	08S65128F78	CAP, CER. 223K-B1H -CP
C517	08S35349Y08	CAP, CER. 102K-B1H -CP
C518	08S35349Y08	CAP, CER. 102K-B1H -CP
C519	08S35374W01	CAP, CER. 104K-B1E-CP
C520	08S35349Y12	CAP, CER. 105K-B0J -CP
C521	08S35349Y12	CAP, CER. 105K-B0J -CP
C523	08S35349Y08	CAP, CER. 102K-B1H -CP
C601	08S65128F78	CAP, CER. 223K-B1H -CP
C602	08S35374W01	CAP, CER. 104K-B1E-CP
C603	08S45676W65	CAP, CER. 222K-B1H -CP
C604	08S45677W36	CAP, CER. 101J-CH1H-CP
C605	08S65128F78	CAP, CER. 223K-B1H -CP
C606	08S65128F78	CAP, CER. 223K-B1H -CP
C607	08S65128F78	CAP, CER. 223K-B1H -CP
C801	08S65128F78	CAP, CER. 223K-B1H -CP
C802	08S35374W01	CAP, CER. 104K-B1E-CP
C803	08S65128F78	CAP, CER. 223K-B1H -CP
C804	08S65128F78	CAP, CER. 223K-B1H -CP
C805	08S65128F78	CAP, CER. 223K-B1H -CP
C806	08S35374W01	CAP, CER. 104K-B1E-CP
C807	08S65128F90	CAP, CER. 473K-B1H -CP
C809	08S65128F78	CAP, CER. 223K-B1H -CP
C810	08S65128F78	CAP, CER. 223K-B1H -CP
C811	08S65128F78	CAP, CER. 223K-B1H -CP
C813	08S35374W01	CAP, CER. 104K-B1E-CP
C814	08S35374W01	CAP, CER. 104K-B1E-CP
C821	08S82122F61	CAP, CER. 102J-CH1H-CP
C830	08S65128F78	CAP, CER. 223K-B1H -CP
C831	08T55390W34	CAP, TF 274J-1H -R5
E001	23S75373W03	CAP, ELY 22R-1C -R2
E002	23S75373W03	CAP, ELY 22R-1C -R2
E003	23S75373W03	CAP, ELY 22R-1C -R2
E009	23S75372W04	CAP, ELY 10R-1C -R2
E010	23S75373W14	CAP, ELY 2R2-1H -R2
E102	23S75372W03	CAP, ELY 221-1A -H2
E104	23T00134L17	CAP, SME. 101-1A +
E201	23S65134W11	CAP, ELY 22R-0J(4)-E2

Symbol No.	Part No.	Description
E202	23S75373W13	CAP, ELY 1R0-1H -R2
E203	23S65134W11	CAP, ELY 22R-0J(4)-E2
E204	23S65134W72	CAP, ELY 3R3-1H(4)-E2
E206	23S65134W12	CAP, ELY 47R-0J(5)-E3
E207	23S75373W13	CAP, ELY 1R0-1H -R2
E208	23S75373W03	CAP, ELY 22R-1C -R2
E209	23S65134W12	CAP, ELY 47R-0J(5)-E3
E210	23S65134W72	CAP, ELY 3R3-1H(4)-E2
E211	23S65134W72	CAP, ELY 3R3-1H(4)-E2
E212	23S65134W72	CAP, ELY 3R3-1H(4)-E2
E213	23S75372W03	CAP, ELY 221-1A -H2
E214	23S65134W12	CAP, ELY 47R-0J(5)-E3
E215	23S75373W09	CAP, ELY R22-1H -R2
E216	23S75373W02	CAP, ELY 10R-1C -R2
E217	23S65134W41	CAP, ELY 4R7-1E(3)-E2
E218	23S65134W41	CAP, ELY 4R7-1E(3)-E2
E220	23S65134W12	CAP, ELY 47R-0J(5)-E3
E221	23S65134W12	CAP, ELY 47R-0J(5)-E3
E222	23S65134W12	CAP, ELY 47R-0J(5)-E3
E223	23S75372W09	CAP, ELY 4R7-1V -R2
E224	23S75372W15	CAP, ELY 1R0-1H -R2
E225	23S75372W09	CAP, ELY 4R7-1V -R2
E226	23S75372W09	CAP, ELY 4R7-1V -R2
E227	23S75372W15	CAP, ELY 1R0-1H -R2
E228	23S75372W09	CAP, ELY 4R7-1V -R2
E232	23S75372W15	CAP, ELY 1R0-1H -R2
E233	23S75372W02	CAP, ELY 101-1A -R2
E301	23S75373W02	CAP, ELY 10R-1C -R2
E302	23S75373W13	CAP, ELY 1R0-1H -R2
E303	23S75373W02	CAP, ELY 10R-1C -R2
E304	23S75373W13	CAP, ELY 1R0-1H -R2
E305	23S95415W17	CAP, ELY 1R0-1H -R2
E306	23S95415W19	CAP, ELY 3R3-1H -R2
E307	23S75373W05	CAP, ELY 47R-1C -R2
E308	23T75346W04	CAP, X-PRO 252-1D +
E309	23T25139Y03	CAP, PW 471-1E +
E310	23T25139Y03	CAP, PW 471-1E +
E311	23S75373W02	CAP, ELY 10R-1C -R2
E312	23S75373W02	CAP, ELY 10R-1C -R2
E313	23S75372W04	CAP, ELY 10R-1C -R2
E314	23T75346W03	CAP, X-PRO 332-1C +
E315	23T95564W41	CAP, FC 471-1C-G -EA
E316	23S75373W07	CAP, ELY 4R7-1V -R2
E317	23S75373W07	CAP, ELY 4R7-1V -R2
E318	23S75373W03	CAP, ELY 22R-1C -R2
E319	23S75373W03	CAP, ELY 22R-1C -R2
E320	23S75373W13	CAP, ELY 1R0-1H -R2
E321	23S75373W02	CAP, ELY 10R-1C -R2
E322	23S75373W02	CAP, ELY 10R-1C -R2

Symbol No.	Part No.	Description
E323	23S75373W06	CAP, ELY 101-1C -R2
E324	23S75373W06	CAP, ELY 101-1C -R2
E351	23S65134W31	CAP, ELY 10R-1C(4)-E2
E352	23S65134W31	CAP, ELY 10R-1C(4)-E2
E353	23S75373W02	CAP, ELY 10R-1C -R2
E354	23S75373W02	CAP, ELY 10R-1C -R2
E501	23S75372W03	CAP, ELY 221-1A -H2
E502	23S75372W03	CAP, ELY 221-1A -H2
E504	23S75372W05	CAP, ELY 22R-1C -R2
E505	23S75373W03	CAP, ELY 22R-1C -R2
E506	23S65134W31	CAP, ELY 10R-1C(4)-E2
E507	23S65134W21	CAP, ELY 33R-1A(5)-E3
E508	23S65134W11	CAP, ELY 22R-OJ(4)-E2
E509	23S65134W11	CAP, ELY 22R-OJ(4)-E2
E510	23S65134W12	CAP, ELY 47R-OJ(5)-E3
E601	23S95415W03	CAP, ELY 10R-1C -R2
E802	23S95415W06	CAP, ELY 101-1C -R2
E803	23S95415W06	CAP, ELY 101-1C -R2
E804	23S95415W02	CAP, ELY 471-1A -R2
E805	23S75373W15	CAP, ELY 3R3-1H -R2
E806	23S75373W05	CAP, ELY 47R-1C -R2
E807	23S75373W06	CAP, ELY 101-1C -R2
E808	23S95415W05	CAP, ELY 47R-1C -R2
E809	23S75373W06	CAP, ELY 101-1C -R2
E810	23S75373W05	CAP, ELY 47R-1C -R2
E812	23S55044Y01	CAP, ELY 471-1C -R3
E813	23S75373W06	CAP, ELY 101-1C -R2
E814	23T45365W03	CAP, SME 221-1A -R2
E815	23S75373W13	CAP, ELY 1R0-1H -R2
E816	23S75372W03	CAP, ELY 221-1A -H2
E817	23S75373W02	CAP, ELY 10R-1C -R2
E823	23S75373W02	CAP, ELY 10R-1C -R2
E824	23T55378W01	CAP, KMG. 221-1A -R2
R553	08S35349Y08	CAP, CER 102K-B1H -CP

Resistors

C141	06S55364Y39	RES, RK JUMPER 1/8-CP
C142	06S55364Y39	RES, RK JUMPER 1/8-CP
L501	06S55364Y39	RES, RK JUMPER 1/8-CP
L806	06S55362Y39	RES, RK JUMPER 1/4-CP
L807	06S55362Y39	RES, RK JUMPER 1/4-CP
R001	06S55361Y17	RES, RK 10RJ 1/4 -CP
R002	06S55361Y49	RES, RK 221J 1/4 -CP
R003	06S55365Y65	RES, RK 102J 1/10 -CP
R004	06S55365Y65	RES, RK 102J 1/10 -CP
R005	06S55365Y97	RES, RK 223J 1/10 -CP
R006	06S55365Y97	RES, RK 223J 1/10 -CP

Symbol No.	Part No.	Description
R009	06S55366Y02	RES, RK 333J 1/10 -CP
R010	06S55366Y39	RES, RK JUMPER1/10-CP
R011	06S55365Y97	RES, RK 223J 1/10 -CP
R012	06S55366Y18	RES, RK 154J 1/10 -CP
R013	06S55365Y89	RES, RK 103J 1/10 -CP
R014	06S55365Y89	RES, RK 103J 1/10 -CP
R015	06S55366Y14	RES, RK 104J 1/10 -CP
R016	06S55364Y39	RES, RK JUMPER 1/8-CP
R019	06S55366Y39	RES, RK JUMPER1/10-CP
R031	06S55362Y39	RES, RK JUMPER 1/4-CP
R032	06S55364Y39	RES, RK JUMPER 1/8-CP
R033	06S55364Y39	RES, RK JUMPER 1/8-CP
R034	06S55365Y65	RES, RK 102J 1/10 -CP
R035	06S55366Y39	RES, RK JUMPER1/10-CP
R036	06S55365Y51	RES, RK 271J 1/10 -CP
R037	06S55365Y51	RES, RK 271J 1/10 -CP
R038	06S55365Y65	RES, RK 102J 1/10 -CP
R040	06S55365Y81	RES, RK 472J 1/10 -CP
R041	06S55366Y30	RES, RK 474J 1/10 -CP
R042	06S55365Y65	RES, RK 102J 1/10 -CP
R103	06S55366Y35	RES, RK 754J 1/10 -CP
R105	06S55362Y39	RES, RK JUMPER 1/4-CP
R143	06S55366Y39	RES, RK JUMPER1/10-CP
R144	06S55366Y39	RES, RK JUMPER1/10-CP
R175	06S55366Y37	RES, RK 914J 1/10 -CP
R201	06S55365Y98	RES, RK 243J 1/10 -CP
R204	06S55365Y73	RES, RK 222J 1/10 -CP
R205	06S55365Y53	RES, RK 331J 1/10 -CP
R206	06S55365Y57	RES, RK 471J 1/10 -CP
R207	06S55365Y53	RES, RK 331J 1/10 -CP
R208	06S55365Y57	RES, RK 471J 1/10 -CP
R209	06S55366Y06	RES, RK 473J 1/10 -CP
R210	06S55366Y06	RES, RK 473J 1/10 -CP
R211	06S55366Y39	RES, RK JUMPER1/10-CP
R212	06S55365Y50	RES, RK 241J 1/10 -CP
R213	06S55365Y65	RES, RK 102J 1/10 -CP
R214	06S55365Y50	RES, RK 241J 1/10 -CP
R215	06S55366Y38	RES, RK 105J 1/10 -CP
R216	06S55365Y89	RES, RK 103J 1/10 -CP
R217	06S55366Y39	RES, RK JUMPER1/10-CP
R218	06S55365Y91	RES, RK 123J 1/10 -CP
R219	06S55366Y20	RES, RK 184J 1/10 -CP
R220	06S55365Y89	RES, RK 103J 1/10 -CP
R221	06S55365Y97	RES, RK 223J 1/10 -CP
R222	06S55365Y66	RES, RK 112J 1/10 -CP
R223	06S55365Y66	RES, RK 112J 1/10 -CP
R225	06S55366Y36	RES, RK 824J 1/10 -CP
R226	06S55365Y86	RES, RK 752J 1/10 -CP
R227	06S55365Y95	RES, RK 183J 1/10 -CP

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Symbol No.	Part No.	Description
R228	06S55366Y14	RES, RK 104J 1/10 -CP
R229	06S55366Y14	RES, RK 104J 1/10 -CP
R230	06S55366Y30	RES, RK 474J 1/10 -CP
R231	06S55365Y97	RES, RK 223J 1/10 -CP
R232	06S55365Y89	RES, RK 103J 1/10 -CP
R233	06S55365Y86	RES, RK 752J 1/10 -CP
R234	06S55365Y95	RES, RK 183J 1/10 -CP
R235	06S55365Y97	RES, RK 223J 1/10 -CP
R236	06S55365Y89	RES, RK 103J 1/10 -CP
R237	06S55365Y89	RES, RK 103J 1/10 -CP
R238	06S55365Y86	RES, RK 752J 1/10 -CP
R239	06S55365Y95	RES, RK 183J 1/10 -CP
R240	06S55365Y89	RES, RK 103J 1/10 -CP
R241	06S55366Y14	RES, RK 104J 1/10 -CP
R242	06S55365Y97	RES, RK 223J 1/10 -CP
R243	06S55366Y14	RES, RK 104J 1/10 -CP
R244	06S55365Y89	RES, RK 103J 1/10 -CP
R245	06S55365Y86	RES, RK 752J 1/10 -CP
R246	06S55365Y95	RES, RK 183J 1/10 -CP
R247	06S55365Y97	RES, RK 223J 1/10 -CP
R248	06S55365Y89	RES, RK 103J 1/10 -CP
R250	06S55365Y66	RES, RK 112J 1/10 -CP
R251	06S55365Y63	RES, RK 821J 1/10 -CP
R252	06S55365Y49	RES, RK 221J 1/10 -CP
R256	06S55366Y26	RES, RK 334J 1/10 -CP
R257	06S55366Y02	RES, RK 333J 1/10 -CP
R301	06S55365Y89	RES, RK 103J 1/10 -CP
R302	06S55362Y23	RES, RK 244J 1/4 -CP
R304	06S55362Y27	RES, RK 364J 1/4 -CP
R306	06S55365Y74	RES, RK 242J 1/10 -CP
R307	06S55365Y74	RES, RK 242J 1/10 -CP
R309	06S55365Y74	RES, RK 242J 1/10 -CP
R311	06S55365Y98	RES, RK 243J 1/10 -CP
R312	06S55365Y98	RES, RK 243J 1/10 -CP
R313	06S55366Y03	RES, RK 363J 1/10 -CP
R314	06S55366Y03	RES, RK 363J 1/10 -CP
R315	06S55365Y74	RES, RK 242J 1/10 -CP
R317	06S55362Y36	RES, RK 824J 1/4 -CP
R321	06S55366Y06	RES, RK 473J 1/10 -CP
R322	06S55366Y06	RES, RK 473J 1/10 -CP
R323	06S55363Y49	RES, RK 221J 1/8 -CP
R324	06S55363Y49	RES, RK 221J 1/8 -CP
R325	06S55363Y41	RES, RK 101J 1/8 -CP
R326	06S55363Y41	RES, RK 101J 1/8 -CP
R351	06S55366Y06	RES, RK 473J 1/10 -CP
R352	06S55366Y06	RES, RK 473J 1/10 -CP
R353	06S55363Y48	RES, RK 201J 1/8 -CP
R354	06S55363Y48	RES, RK 201J 1/8 -CP
R355	06S55363Y41	RES, RK 101J 1/8 -CP

Symbol No.	Part No.	Description
R356	06S55363Y41	RES, RK 101J 1/8 -CP
R363	06S55366Y06	RES, RK 473J 1/10 -CP
R364	06S55366Y06	RES, RK 473J 1/10 -CP
R365	06S55363Y48	RES, RK 201J 1/8 -CP
R367	06S55363Y41	RES, RK 101J 1/8 -CP
R368	06S55363Y48	RES, RK 201J 1/8 -CP
R370	06S55363Y41	RES, RK 101J 1/8 -CP
R371	06S55365Y83	RES, RK 562J 1/10 -CP
R372	06S55365Y83	RES, RK 562J 1/10 -CP
R373	06S55365Y83	RES, RK 562J 1/10 -CP
R374	06S55365Y83	RES, RK 562J 1/10 -CP
R375	06S55365Y83	RES, RK 562J 1/10 -CP
R376	06S55365Y83	RES, RK 562J 1/10 -CP
R385	06S55365Y53	RES, RK 331J 1/10 -CP
R386	06S55365Y53	RES, RK 331J 1/10 -CP
R389	06S55365Y53	RES, RK 331J 1/10 -CP
R390	06S55365Y53	RES, RK 331J 1/10 -CP
R500	06S55363Y65	RES, RK 102J 1/8 -CP
R501	06S55363Y65	RES, RK 102J 1/8 -CP
R502	06S55363Y65	RES, RK 102J 1/8 -CP
R503	06S55363Y65	RES, RK 102J 1/8 -CP
R504	06S55363Y65	RES, RK 102J 1/8 -CP
R505	06S55363Y65	RES, RK 102J 1/8 -CP
R506	06S55363Y65	RES, RK 102J 1/8 -CP
R507	06S55363Y65	RES, RK 102J 1/8 -CP
R508	06S55365Y89	RES, RK 103J 1/10 -CP
R509	06S55366Y35	RES, RK 754J 1/10 -CP
R510	06S55365Y89	RES, RK 103J 1/10 -CP
R511	06S55363Y65	RES, RK 102J 1/8 -CP
R512	06S55365Y85	RES, RK 682J 1/10 -CP
R513	06S55363Y89	RES, RK 103J 1/8 -CP
R514	06S55365Y81	RES, RK 472J 1/10 -CP
R515	06S55365Y67	RES, RK 122J 1/10 -CP
R516	06S55365Y85	RES, RK 682J 1/10 -CP
R517	06S55365Y89	RES, RK 103J 1/10 -CP
R518	06S55365Y89	RES, RK 103J 1/10 -CP
R519	06S55361Y17	RES, RK 10RJ 1/4 -CP
R520	06S55365Y73	RES, RK 222J 1/10 -CP
R521	06S55365Y69	RES, RK 152J 1/10 -CP
R522	06S55361Y31	RES, RK 39RJ 1/4 -CP
R523	06S55361Y31	RES, RK 39RJ 1/4 -CP
R524	06S55361Y31	RES, RK 39RJ 1/4 -CP
R525	06S55361Y31	RES, RK 39RJ 1/4 -CP
R526	06S55365Y89	RES, RK 103J 1/10 -CP
R529	06S55365Y97	RES, RK 223J 1/10 -CP
R530	06S55365Y97	RES, RK 223J 1/10 -CP
R533	06S55365Y65	RES, RK 102J 1/10 -CP
R535	06S55365Y41	RES, RK 101J 1/10 -CP
R536	06S55365Y89	RES, RK 103J 1/10 -CP

Symbol No.	Part No.	Description
R538	06S55365Y91	RES, RK 123J 1/10 -CP
R539	06S55365Y65	RES, RK 102J 1/10 -CP
R540	06S55365Y65	RES, RK 102J 1/10 -CP
R541	06S55365Y65	RES, RK 102J 1/10 -CP
R542	06S55366Y30	RES, RK 474J 1/10 -CP
R543	06S55366Y06	RES, RK 473J 1/10 -CP
R544	06S55366Y06	RES, RK 473J 1/10 -CP
R546	06S55365Y65	RES, RK 102J 1/10 -CP
R547	06S55365Y65	RES, RK 102J 1/10 -CP
R548	06S55365Y65	RES, RK 102J 1/10 -CP
R551	06S55365Y41	RES, RK 101J 1/10 -CP
R552	06S55366Y39	RES, RK JUMPER1/10-CP
R554	06S55365Y65	RES, RK 102J 1/10 -CP
R555	06S55365Y65	RES, RK 102J 1/10 -CP
R556	06S55365Y65	RES, RK 102J 1/10 -CP
R557	06S55365Y65	RES, RK 102J 1/10 -CP
R558	06S55365Y89	RES, RK 103J 1/10 -CP
R559	06S55363Y89	RES, RK 103J 1/8 -CP
R560	06S55363Y97	RES, RK 223J 1/8 -CP
R561	06S55365Y65	RES, RK 102J 1/10 -CP
R562	06S55365Y89	RES, RK 103J 1/10 -CP
R563	06S55365Y65	RES, RK 102J 1/10 -CP
R565	06S55366Y06	RES, RK 473J 1/10 -CP
R566	06S55366Y39	RES, RK JUMPER1/10-CP
R567	06S55365Y65	RES, RK 102J 1/10 -CP
R568	06S55365Y65	RES, RK 102J 1/10 -CP
R569	06S55365Y65	RES, RK 102J 1/10 -CP
R573	06S55365Y65	RES, RK 102J 1/10 -CP
R574	06S55365Y89	RES, RK 103J 1/10 -CP
R575	06S55365Y83	RES, RK 562J 1/10 -CP
R576	06S55365Y57	RES, RK 471J 1/10 -CP
R577	06S55365Y53	RES, RK 331J 1/10 -CP
R578	06S55361Y49	RES, RK 221J 1/4 -CP
R579	06S55365Y65	RES, RK 102J 1/10 -CP
R580	06S55365Y65	RES, RK 102J 1/10 -CP
R581	06S15593Y59	RES, RK 272F 1/10 -CP
R582	06S15593Y53	RES, RK 152F 1/10 -CP
R583	06S15593Y55	RES, RK 182F 1/10 -CP
R584	06S55366Y06	RES, RK 473J 1/10 -CP
R585	06S55365Y41	RES, RK 101J 1/10 -CP
R586	06S55365Y97	RES, RK 223J 1/10 -CP
R587	06S55366Y06	RES, RK 473J 1/10 -CP
R588	06S55365Y69	RES, RK 152J 1/10 -CP
R589	06S55365Y73	RES, RK 222J 1/10 -CP
R590	06S55363Y75	RES, RK 272J 1/8 -CP
R591	06S55365Y97	RES, RK 223J 1/10 -CP
R592	06S55365Y65	RES, RK 102J 1/10 -CP
R593	06S55365Y65	RES, RK 102J 1/10 -CP
R594	06S55365Y65	RES, RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R595	06S55365Y65	RES, RK 102J 1/10 -CP
R596	06S55365Y57	RES, RK 471J 1/10 -CP
R597	06S55365Y53	RES, RK 331J 1/10 -CP
R598	06S55365Y65	RES, RK 102J 1/10 -CP
R599	06S55366Y06	RES, RK 473J 1/10 -CP
R601	06S55361Y89	RES, RK 103J 1/4 -CP
R602	06S55366Y06	RES, RK 473J 1/10 -CP
R603	06S55361Y89	RES, RK 103J 1/4 -CP
R604	06S55365Y89	RES, RK 103J 1/10 -CP
R605	06S55361Y65	RES, RK 102J 1/4 -CP
R606	06S55363Y89	RES, RK 103J 1/8 -CP
R607	06S55361Y41	RES, RK 101J 1/4 -CP
R608	06S55365Y73	RES, RK 222J 1/10 -CP
R609	06S55365Y77	RES, RK 332J 1/10 -CP
R610	06S55366Y30	RES, RK 474J 1/10 -CP
R611	06S55365Y97	RES, RK 223J 1/10 -CP
R612	06S55365Y65	RES, RK 102J 1/10 -CP
R613	06S55361Y29	RES, RK 33RJ 1/4 -CP
R614	06S55361Y29	RES, RK 33RJ 1/4 -CP
R615	06S55361Y29	RES, RK 33RJ 1/4 -CP
R616	06S55361Y29	RES, RK 33RJ 1/4 -CP
R617	06S55361Y29	RES, RK 33RJ 1/4 -CP
R618	06S55361Y29	RES, RK 33RJ 1/4 -CP
R619	06S55366Y06	RES, RK 473J 1/10 -CP
R620	06S55366Y06	RES, RK 473J 1/10 -CP
R621	06S55365Y97	RES, RK 223J 1/10 -CP
R655	06S55361Y56	RES, RK 431J 1/4 -CP
R801	06S55365Y53	RES, RK 331J 1/10 -CP
R802	06S55365Y57	RES, RK 471J 1/10 -CP
R803	06S45348Y31	RES, RK 224F 1/4 -CP
R804	06S55366Y30	RES, RK 474J 1/10 -CP
R805	06S55362Y36	RES, RK 824J 1/4 -CP
R806	06S55361Y81	RES, RK 472J 1/4 -CP
R807	06S55361Y81	RES, RK 472J 1/4 -CP
R808	06S55365Y97	RES, RK 223J 1/10 -CP
R809	06S15593Y87	RES, RK 393F 1/10 -CP
R811	06S55365Y97	RES, RK 223J 1/10 -CP
R812	06S15593Y73	RES, RK 103F 1/10 -CP
R813	06S55361Y46	RES, RK 161J 1/4 -CP
R814	06S55361Y01	RES, RK 2R2J 1/4 -CP
R817	06S55365Y97	RES, RK 223J 1/10 -CP
R818	06S55366Y37	RES, RK 914J 1/10 -CP
R819	06S15593Y63	RES, RK 392F 1/10 -CP
R820	06S55366Y39	RES, RK JUMPER1/10-CP
R821	06S55365Y97	RES, RK 223J 1/10 -CP
R822	06S55361Y58	RES, RK 511J 1/4 -CP
R823	06S15593Y93	RES, RK 683F 1/10 -CP
R824	06S15593Y83	RES, RK 273F 1/10 -CP
R826	06S55366Y23	RES, RK 244J 1/10 -CP

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Symbol No.	Part No.	Description
R827	06S55361Y41	RES, RK 101J 1/4 -CP
R829	06S55363Y44	RES, RK 131J 1/8 -CP
R830	06S55361Y89	RES, RK 103J 1/4 -CP
R831	06S55365Y77	RES, RK 332J 1/10 -CP
R832	06S55361Y69	RES, RK 152J 1/4 -CP
R833	06S55361Y89	RES, RK 103J 1/4 -CP
R834	06T25590Y03	RES, RK 2R2J 1W -
R835	06S55365Y89	RES, RK 103J 1/10 -CP
R837	06S55363Y98	RES, RK 243J 1/8 -CP
R838	06S55361Y71	RES, RK 182 1/4 -CP
R839	06S55361Y71	RES, RK 182 1/4 -CP
R868	06S55365Y90	RES, RK 113J 1/10 -CP
R869	06S55365Y49	RES, RK 221J 1/10 -CP
R870	06S55365Y93	RES, RK 153J 1/10 -CP
R872	06S55361Y51	RES, RK 271J 1/4 -CP
R873	06S55361Y51	RES, RK 271J 1/4 -CP
R874	06S55366Y39	RES, RK JUMPER1/10-CP
R879	06S55365Y89	RES, RK 103J 1/10 -CP
R881	06S55361Y01	RES, RK 2R2J 1/4 -CP
R891	06S55365Y81	RES, RK 472J 1/10 -CP
R5001	06S55366Y06	RES, RK 473J 1/10 -CP
R5004	06S55366Y06	RES, RK 473J 1/10 -CP
R5005	06S55362Y39	RES, RK JUMPER 1/4-CP
R5006	06S55365Y65	RES, RK 102J 1/10 -CP
R5007	06S55366Y14	RES, RK 104J 1/10 -CP
R5008	06S55366Y14	RES, RK 104J 1/10 -CP
R5009	06S55365Y75	RES, RK 272J 1/10 -CP
R5011	06S55366Y14	RES, RK 104J 1/10 -CP
R5012	06S55366Y30	RES, RK 474J 1/10 -CP
R5013	06S55366Y02	RES, RK 333J 1/10 -CP
R5015	06S55366Y14	RES, RK 104J 1/10 -CP
R5016	06S55365Y81	RES, RK 472J 1/10 -CP
R5019	06S55364Y39	RES, RK JUMPER 1/8-CP
RA504	06S45591W06	RES, ARY MNR102J 4-CP
RA505	06S45591W06	RES, ARY MNR102J 4-CP
RA508	06S45591W06	RES, ARY MNR102J 4-CP
RA509	06S45591W16	RES, ARY MNR223J 4-CP
Connectors		
CB330	09T25436Y06	WTB, 53253-0610 -DB
CB331	09T25436Y03	WTB, 53253-0310 -DB
CB501	09T45434W15	FFC, 52271-1590 -ED
CB601	09T25436Y02	WTB, 53253-0210 -DB
CB802	09T25436Y05	WTB, 53253-0510 -DB
CB803	09T25436Y03	WTB, 53253-0310 -DB
CH102	09T25261Y22	FFC, SFW22R-1STE1 -EQ

Symbol No.	Part No.	Description
Front P.W. Board		
IC's		
IC401	51T02347K01	PT6583LQ -QT
IC402	51T02236K01	PT6523LQ -QT
IC403	51T35614Y01	SBX3050-02 -NE5
IC404	51T55235Y01	TC74VHC595FT-EL -SE5
Transistors		
Q400	48T64222F01	TR ,UN2211 10-10 -TX
Q401	48T52438F04	TR ,2SD601A-S /TX-CP
Q402	48T63788F04	TR ,CP. 2SD1328-T -TX
Q403	48T63788F04	TR ,CP. 2SD1328-T -TX
Q404	48T64222F01	TR ,UN2211 10-10 -TX
Q405	48T64222F01	TR ,UN2211 10-10 -TX
Q407	48T73023F01	TR ,2SD874A -E2
Q408	48T63788F04	TR ,CP. 2SD1328-T -TX
Q409	48T52438F04	TR ,2SD601A-S /TX-CP
Diodes		
D401	48T81063F01	D10, CP. MA159 / TX-CP
D402	48T94471F04	D10, 1MN10-T108 -CP
D405	48T85357W01	D10, 1PS226 -CP
D406	48T85357W01	D10, 1PS226 -CP
D407	48T85357W01	D10, 1PS226 -CP
D408	48T85357W01	D10, 1PS226 -CP
D409	48T85357W01	D10, 1PS226 -CP
D410	48T85357W01	D10, 1PS226 -CP
D411	48T25651W02	D10, MA152WK-TX -CP
ZD401	48T84735F21	D10, ZEN. MA3082-H -CP
ZD402	48T15541Y23	D10, ZEN MAZS180 -CP
ZD403	48T15541Y23	D10, ZEN MAZS180 -CP
ZD404	48T15541Y23	D10, ZEN MAZS180 -CP
ZD407	48T15541Y23	D10, ZEN MAZS180 -CP
ZD408	48T62934F26	D10, ZEN. RD6. 2MB3 -CP
ZD409	48T62934F26	D10, ZEN. RD6. 2MB3 -CP
LED's		
LD400	48T25534Y01	LED, GRN BG1111C -CP
LD401	48T25534Y02	LED, RED BR1111C -CP
LD402	48T25534Y03	LED, AMB AA1111C -CP
LD403	48T25534Y03	LED, AMB AA1111C -CP
LD404	48T25534Y03	LED, AMB AA1111C -CP

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
LD405	48T25534Y08	LED, AMB FA1111C -CP	SW406	40T55656W06	SW, TACT SKQMAJ001-E2 (TITLE)
LD406	48T25534Y03	LED, AMB AA1111C -CP	SW407	40T55656W06	SW, TACT SKQMAJ001-E2 (4/(P/S)/REPEAT)
LD407	48T25534Y03	LED, AMB AA1111C -CP	SW408	40T55656W06	SW, TACT SKQMAJ001-E2 (BAND)
LD408	48T25534Y08	LED, AMB FA1111C -CP	SW409	40T55656W06	SW, TACT SKQMAJ001-E2 (T. INFO)
LD409	48T25534Y08	LED, AMB FA1111C -CP	SW410	40T55656W06	SW, TACT SKQMAJ001-E2 (F/SETUP)
LD410	48T25534Y08	LED, AMB FA1111C -CP	SW411	40T55656W06	SW, TACT SKQMAJ001-E2 (DISP)
LD411	48T25534Y08	LED, AMB FA1111C -CP	SW412	40T55656W06	SW, TACT SKQMAJ001-E2 (MX)
LD412	48T25534Y08	LED, AMB FA1111C -CP	SW413	40T55656W06	SW, TACT SKQMAJ001-E2 (1/AF/FOLDER DN)
LD413	48T25534Y08	LED, AMB FA1111C -CP	SW414	40T55656W06	SW, TACT SKQMAJ001-E2 (5/M. I. X.)
LD414	48T25534Y03	LED, AMB AA1111C -CP	SW415	40T55656W06	SW, TACT SKQMAJ001-E2 (EJECT)
LD415	48T25534Y03	LED, AMB AA1111C -CP	SW416	40T55656W06	SW, TACT SKQMAJ001-E2 (BWD/DN)
LD416	48T25534Y08	LED, AMB FA1111C -CP	SW417	40T55656W06	SW, TACT SKQMAJ001-E2 (T. CORR/X-OVER)
LD417	48T25534Y08	LED, AMB FA1111C -CP	SW418	40T55656W06	SW, TACT SKQMAJ001-E2 (2/P.PTY/FOLDER UP)
LD418	48T25534Y03	LED, AMB AA1111C -CP	SW419	40T55656W06	SW, TACT SKQMAJ001-E2 (6/SCAN)
LD419	48T25534Y03	LED, AMB AA1111C -CP	SW420	40T55656W06	SW, TACT SKQMAJ001-E2 (ANGLE UP/DN)
LD420	48T25534Y03	LED, AMB AA1111C -CP	SW422	40T55656W06	SW, TACT SKQMAJ001-E2 (RESET)
LD421	48T25534Y03	LED, AMB AA1111C -CP			
LD422	48T25534Y08	LED, AMB FA1111C -CP			
LD423	48T25534Y08	LED, AMB FA1111C -CP			
LD424	48T25534Y03	LED, AMB AA1111C -CP			
LD425	48T25534Y03	LED, AMB AA1111C -CP			
LD426	48T45280Y01	LED, WHT NSCWS405T-E2			
LD427	48T45280Y01	LED, WHT NSCWS405T-E2			
LD428	48T45280Y01	LED, WHT NSCWS405T-E2			
LD429	48T45280Y01	LED, WHT NSCWS405T-E2			
LD430	48T45280Y01	LED, WHT NSCWS405T-E2			
LD431	48T45280Y01	LED, WHT NSCWS405T-E2			
LD432	48T25534Y01	LED, GRN BG1111C -CP			
LD433	48T25534Y01	LED, GRN BG1111C -CP			
LD434	48T25534Y01	LED, GRN BG1111C -CP			
LD435	48T25534Y01	LED, GRN BG1111C -CP			
LD440	48T25534Y01	LED, GRN BG1111C -CP			
LD441	48T25534Y01	LED, GRN BG1111C -CP			
LD442	48T25534Y01	LED, GRN BG1111C -CP			
LD443	48T25534Y01	LED, GRN BG1111C -CP			
LD444	48T25534Y01	LED, GRN BG1111C -CP			
LD445	48T25534Y01	LED, GRN BG1111C -CP			
LD446	48T25534Y01	LED, GRN BG1111C -CP			
Switches			Lamps		
SW401	40T55656W06	SW, TACT SKQMAJ001-E2 (SOURCE/POWER)	PL401	65T35324Y02	LAMP, GRN 6-80 -E5
SW402	40T55656W06	SW, TACT SKQMAJ001-E2 (FWD/UP)	PL402	65T35324Y02	LAMP, GRN 6-80 -E5
SW403	40T55656W06	SW, TACT SKQMAJ001-E2 (CENTER f)	PL403	65T35324Y02	LAMP, GRN 6-80 -E5
SW404	40T55656W06	SW, TACT SKQMAJ001-E2 (3/PTY/FILE SEARCH)	PL404	65T35324Y02	LAMP, GRN 6-80 -E5
SW405	40T55656W06	SW, TACT SKQMAJ001-E2 (PLAY/PAUSE/TUNE/A. ME/CAT)			
			Capacitors		
			C401	08S45676W89	CAP, CER 473K-B1E -CP
			C402	08S45677W60	CAP, CER 102J-CH1H-CP
			C403	08S45676W89	CAP, CER 473K-B1E -CP
			C404	08S45676W89	CAP, CER 473K-B1E -CP
			C405	08S45676W89	CAP, CER 473K-B1E -CP
			C406	08S45676W89	CAP, CER 473K-B1E -CP
			C407	08S45676W89	CAP, CER 473K-B1E -CP
			C408	08S45677W56	CAP, CER 681J-CH1H-CP
			C409	08S35350Y04	CAP, CER 105K-B1C -CP
			C410	08S45677W36	CAP, CER. 101J-CH1H-CP
			C411	08S45676W64	CAP, CER. 182K-B1H -CP
			C412	08S45676W64	CAP, CER. 182K-B1H -CP
			C413	08S45676W64	CAP, CER. 182K-B1H -CP
			C414	08S45676W64	CAP, CER. 182K-B1H -CP
			C415	08S45676W64	CAP, CER. 182K-B1H -CP
			C416	08S45676W64	CAP, CER. 182K-B1H -CP
			C417	08S45676W80	CAP, CER 223K-B1E -CP
			C418	08S45676W89	CAP, CER 473K-B1E -CP

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Symbol No.	Part No.	Description
C419 E402	08S45677W36 23S55311W42	CAP, CER. 101J-CH1H-CP CAP, TAN. 4R7-1D-B -CP
Resistors		
R400	06S55361Y98	RES, RK 243J 1/4 -CP
R401	06S55363Y65	RES, RK 102J 1/8 -CP
R402	06S55363Y65	RES, RK 102J 1/8 -CP
R403	06S55363Y65	RES, RK 102J 1/8 -CP
R404	06S55363Y65	RES, RK 102J 1/8 -CP
R405	06S55363Y53	RES, RK 331J 1/8 -CP
R406	06S55363Y65	RES, RK 102J 1/8 -CP
R407	06S55363Y65	RES, RK 102J 1/8 -CP
R408	06S55361Y66	RES, RK 112J 1/4 -CP
R409	06S55361Y26	RES, RK 24RJ 1/4 -CP
R410	06S55361Y28	RES, RK 30RJ 1/4 -CP
R411	06S55361Y60	RES, RK 621J 1/4 -CP
R412	06S55361Y66	RES, RK 112J 1/4 -CP
R413	06S55361Y70	RES, RK 162J 1/4 -CP
R414	06S55361Y66	RES, RK 112J 1/4 -CP
R415	06S55361Y51	RES, RK 271J 1/4 -CP
R416	06S55361Y51	RES, RK 271J 1/4 -CP
R417	06S55361Y41	RES, RK 101J 1/4 -CP
R418	06S55361Y41	RES, RK 101J 1/4 -CP
R419	06S55361Y41	RES, RK 101J 1/4 -CP
R420	06S55365Y73	RES, RK 222J 1/10 -CP
R421	06S55365Y81	RES, RK 472J 1/10 -CP
R422	06S55361Y37	RES, RK 68RJ 1/4 -CP
R423	06S55365Y81	RES, RK 472J 1/10 -CP
R427	06S55366Y05	RES, RK 433J 1/10 -CP
R429	06S55365Y65	RES, RK 102J 1/10 -CP
R431	06S55365Y97	RES, RK 223J 1/10 -CP
R434	06S55361Y25	RES, RK 22RJ 1/4 -CP
R435	06S55361Y25	RES, RK 22RJ 1/4 -CP
R436	06S55361Y25	RES, RK 22RJ 1/4 -CP
R437	06S55361Y25	RES, RK 22RJ 1/4 -CP
R438	06S55365Y65	RES, RK 102J 1/10 -CP
R439	06S55366Y05	RES, RK 433J 1/10 -CP
R443	06S55366Y14	RES, RK 104J 1/10 -CP
R444	06S55365Y81	RES, RK 472J 1/10 -CP
R446	06S55363Y41	RES, RK 101J 1/8 -CP
R447	06S55361Y98	RES, RK 243J 1/4 -CP
R448	06S55365Y65	RES, RK 102J 1/10 -CP
R452	06S55361Y57	RES, RK 471J 1/4 -CP
R453	06S55366Y39	RES, RK JUMPER1/10-CP
R454	06S55361Y49	RES, RK 221J 1/4 -CP
R455	06S55361Y49	RES, RK 221J 1/4 -CP
R456	06S55362Y39	RES, RK JUMPER 1/4-CP

Symbol No.	Part No.	Description
R458	06S55362Y39	RES, RK JUMPER 1/4-CP
R460	06S55365Y81	RES, RK 472J 1/10 -CP
R461	06S55365Y81	RES, RK 472J 1/10 -CP
R468	06S55361Y49	RES, RK 221J 1/4 -CP
R469	06S55361Y49	RES, RK 221J 1/4 -CP
R471	06S55362Y39	RES, RK JUMPER 1/4-CP
R472	06S55361Y25	RES, RK 22RJ 1/4 -CP
R473	06S55361Y31	RES, RK 39RJ 1/4 -CP
R474	06S55361Y26	RES, RK 24RJ 1/4 -CP
R475	06S55361Y76	RES, RK 302J 1/4 -CP
R476	06S55361Y57	RES, RK 471J 1/4 -CP
R481	06S55362Y39	RES, RK JUMPER 1/4-CP
RA401	06S45591W06	RES, ARY MNR102J 4-CP
RA402	06S45591W06	RES, ARY MNR102J 4-CP
RA403	06S45591W06	RES, ARY MNR102J 4-CP
RA404	06S45591W06	RES, ARY MNR102J 4-CP
RA405	06S45591W04	RES, ARY MNR103J 4-CP
DP-S Main P.W. Board		
IC's		
IC101	51T55083Y01	TA2157FN-EL -SE6
IC102	51T55086Y01	TC94A14FA -QT
IC103	51T25503Y01	BA5985FM-E2 -SEA
IC104	51T55306Y01	OTP, TMP87PM48U -QT
IC201	51T55311Y01	TC94A02F-005 -QT
IC202	51T55323Y01	HY62U8100BLLST -ST
IC801	51T35243Y02	RN5RZ25BA-TR -CP
IC803	51T25711Y01	BA033SFP-E2 -NE5
IC804	51T55322Y01	RH5RZ33CA-T1 -NE2
IC805	51T35243Y02	RN5RZ25BA-TR -CP
Transistors		
Q101	48T55462Y01	TR, 2SB1132-QR-100-E2
Q102	48T45251W03	TR, UN5212 22-22 -CP
Q103	48T45251W53	TR, UN5112 22-22 -CP
Q802	48T94875F06	DTB, CP-113ZK-96
Q803	48T45251W03	TR, UN5212 22-22 -CP
Q804	48T45594W12	TR, XN1A312 -TX-CP
Diode		
D101	48T25665Y01	D10, 1SS355-TE17 -CP

Symbol No.	Part No.	Description
Coils		
L201	24T25164Y21	IND, FSLM2520 4R7J-CP
L202	24T25164Y21	IND, FSLM2520 4R7J-CP
L203	24T25164Y21	IND, FSLM2520 4R7J-CP
L204	24T25164Y21	IND, FSLM2520 4R7J-CP
L205	24T25164Y33	IND, FSLM2520 47RJ-CP
Crystals		
CL101	91T75576W11	OSC, CER EF0S8004E-E5
XL200	91T35227Y01	XTL, CS10 16.9344M-E2
Filter		
L101	91T65112W06	EMI, BK2125HM102 -CP
Capacitors		
C101	08S45676W73	CAP, CER 103K-B1H -CP
C102	08S45676W80	CAP, CER 223K-B1E -CP
C103	08S45676W80	CAP, CER 223K-B1E -CP
C104	08S45676W89	CAP, CER 473K-B1E -CP
C105	08S45676W89	CAP, CER 473K-B1E -CP
C107	08S45677W03	CAP, CER 1R5C-CH1H-CP
C108	08S45677W20	CAP, CER 22RJ-CH1H-CP
C109	08S45676W85	CAP, CER 104K-B1C -CP
C110	08S45676W85	CAP, CER 104K-B1C -CP
C111	08S45676W69	CAP, CER 472K-B1H -CP
C112	08S45676W71	CAP, CER 682K-B1H -CP
C113	08S45677W28	CAP, CER 47RJ-CH1H-CP
C114	08S45676W75	CAP, CER 153K-B1H -CP
C115	08S45676W73	CAP, CER 103K-B1H -CP
C116	08S45676W66	CAP, CER 272K-B1H -CP
C117	08S45676W73	CAP, CER 103K-B1H -CP
C118	08S45676W85	CAP, CER 104K-B1C -CP
C119	08S45676W87	CAP, CER 333K-B1E -CP
C120	08S45676W85	CAP, CER 104K-B1C -CP
C121	08S45676W73	CAP, CER 103K-B1H -CP
C122	08S45676W73	CAP, CER 103K-B1H -CP
C123	08S45676W73	CAP, CER 103K-B1H -CP
C124	08S45676W65	CAP, CER 222K-B1H -CP
C125	08S35349Y09	CAP, CER 122K-B1H -CP
C126	08S45676W89	CAP, CER 473K-B1E -CP
C127	08S45676W89	CAP, CER 473K-B1E -CP
C129	08S45676W85	CAP, CER 104K-B1C -CP
C130	08S45676W85	CAP, CER 104K-B1C -CP

Symbol No.	Part No.	Description
C131	08S45676W85	CAP, CER 104K-B1C -CP
C132	08S45676W85	CAP, CER 104K-B1C -CP
C133	08S45676W85	CAP, CER 104K-B1C -CP
C135	08S45677W42	CAP, CER 181J-CH1H-CP
C138	08S45676W73	CAP, CER 103K-B1H -CP
C139	08S45676W85	CAP, CER 104K-B1C -CP
C140	08S45676W73	CAP, CER 103K-B1H -CP
C142	08S45677W20	CAP, CER 22RJ-CH1H-CP
C143	08S35350Y05	CAP, CER 105K-B1A -CP
C200	08S35374W07	CAP, CER 334K-B1C -CP
C201	08S45676W85	CAP, CER 104K-B1C -CP
C202	08S45677W12	CAP, CER 10RD-CH1H-CP
C203	08S45677W14	CAP, CER 12RJ-CH1H-CP
C204	08S45676W85	CAP, CER 104K-B1C -CP
C205	08S45676W85	CAP, CER 104K-B1C -CP
C206	08S45676W85	CAP, CER 104K-B1C -CP
C208	08S45676W85	CAP, CER 104K-B1C -CP
C209	08S45676W85	CAP, CER 104K-B1C -CP
C210	08S45676W85	CAP, CER 104K-B1C -CP
C211	08S45676W73	CAP, CER 103K-B1H -CP
C212	08S45676W73	CAP, CER 103K-B1H -CP
C216	08S45677W44	CAP, CER 221J-CH1H-CP
C217	08S45676W85	CAP, CER 104K-B1C -CP
C802	08S35350Y05	CAP, CER 105K-B1A -CP
C803	08S45676W85	CAP, CER 104K-B1C -CP
C805	08S45676W85	CAP, CER 104K-B1C -CP
C806	08S45676W85	CAP, CER 104K-B1C -CP
C807	08S45676W85	CAP, CER 104K-B1C -CP
C809	08S45676W85	CAP, CER 104K-B1C -CP
C811	08S45676W85	CAP, CER 104K-B1C -CP
C812	08S45676W85	CAP, CER 104K-B1C -CP
C813	08S45676W85	CAP, CER 104K-B1C -CP
C814	08S45676W85	CAP, CER 104K-B1C -CP
E101	23T25191W60	CAP, MF 47R-OG-C6-E2
E102	23S55311W35	CAP, TAN 10R-1C-B -CP
E103	23S55311W35	CAP, TAN 10R-1C-B -CP
E104	23S55311W35	CAP, TAN 10R-1C-B -CP
E105	23T25191W67	CAP, E-MF10R-1C-B6-E2
E106	23T25191W62	CAP, E-MF22R-0J-B6-E2
E110	23T25191W11	CAP, MF 22R-1A-D8-E5
E111	23T25191W62	CAP, E-MF22R-0J-B6-E2
E201	23T25191W60	CAP, MF 47R-OG-C6-E2
E202	23T25191W60	CAP, MF 47R-OG-C6-E2
E203	23T25191W62	CAP, E-MF22R-0J-B6-E2
E204	23T25191W62	CAP, E-MF22R-0J-B6-E2
E205	23T25191W62	CAP, E-MF22R-0J-B6-E2
E206	23T25191W60	CAP, MF 47R-OG-C6-E2
E207	23T25191W62	CAP, E-MF22R-0J-B6-E2
E801	23T25191W62	CAP, E-MF22R-0J-B6-E2

CDA-7893R

Symbol No.	Part No.	Description
E803	23S55311W29	CAP, TAN 47R-1A-B -CP
E804	23T25191W67	CAP, E-MF10R-1C-B6-E2
E805	23T25191W63	CAP, MF 33R-0J-C6-E2
E806	23S55311W28	CAP, TAN 22R-1A-B -CP
Resistors		
R101	06T25278Y05	RES, RK 913J 1/10 -CP
R102	06S45674W97	RES, RK 473J 1/10 -CP
R103	06S45674W97	RES, RK 473J 1/10 -CP
R104	06T25278Y05	RES, RK 913J 1/10 -CP
R105	06S45675W45	RES, RK 1R0J 1/10 -CP
R107	06S45674W95	RES, RK 393J 1/10 -CP
R109	06S45674W89	RES, RK 223J 1/10 -CP
R110	06S45674W81	RES, RK 103J 1/10 -CP
R111	06T25277Y78	RES, RK 752J 1/10 -CP
R112	06S45674W81	RES, RK 103J 1/10 -CP
R113	06S45674W33	RES, RK 101J 1/10 -CP
R114	06S45674W95	RES, RK 393J 1/10 -CP
R115	06S45674W57	RES, RK 102J 1/10 -CP
R116	06S45674W57	RES, RK 102J 1/10 -CP
R117	06S45674W75	RES, RK 562J 1/10 -CP
R118	06S45674W97	RES, RK 473J 1/10 -CP
R119	06S45675W22	RES, RK 474J 1/10 -CP
R120	06S45675W34	RES, RK 225J 1/10 -CP
R121	06S45674W85	RES, RK 153J 1/10 -CP
R122	06S45674W81	RES, RK 103J 1/10 -CP
R123	06S45675W06	RES, RK 104J 1/10 -CP
R124	06S45674W33	RES, RK 101J 1/10 -CP
R125	06S45674W97	RES, RK 473J 1/10 -CP
R126	06S45674W33	RES, RK 101J 1/10 -CP
R127	06S45674W33	RES, RK 101J 1/10 -CP
R128	06S45674W33	RES, RK 101J 1/10 -CP
R129	06S45674W33	RES, RK 101J 1/10 -CP
R130	06S45674W33	RES, RK 101J 1/10 -CP
R131	06S45674W69	RES, RK 332J 1/10 -CP
R132	06S45674W69	RES, RK 332J 1/10 -CP
R133	06S45674W33	RES, RK 101J 1/10 -CP
R134	06S45674W97	RES, RK 473J 1/10 -CP
R135	06S45675W20	RES, RK 394J 1/10 -CP
R136	06S45674W95	RES, RK 393J 1/10 -CP
R137	06S45674W81	RES, RK 103J 1/10 -CP
R138	06S45674W91	RES, RK 273J 1/10 -CP
R139	06S45674W81	RES, RK 103J 1/10 -CP
R140	06S45674W81	RES, RK 103J 1/10 -CP
R141	06S45674W57	RES, RK 102J 1/10 -CP
R142	06S45674W57	RES, RK 102J 1/10 -CP
R143	06S45674W57	RES, RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R144	06S45674W57	RES, RK 102J 1/10 -CP
R145	06S45674W81	RES, RK 103J 1/10 -CP
R146	06S45674W81	RES, RK 103J 1/10 -CP
R147	06S45674W89	RES, RK 223J 1/10 -CP
R148	06S45674W77	RES, RK 682J 1/10 -CP
R149	06T25278Y05	RES, RK 913J 1/10 -CP
R150	06S45674W55	RES, RK 821J 1/10 -CP
R151	06S45675W30	RES, RK 105J 1/10 -CP
R152	06S45674W33	RES, RK 101J 1/10 -CP
R153	06S45674W97	RES, RK 473J 1/10 -CP
R154	06S45674W33	RES, RK 101J 1/10 -CP
R155	06S45674W33	RES, RK 101J 1/10 -CP
R156	06S45674W33	RES, RK 101J 1/10 -CP
R157	06S45674W33	RES, RK 101J 1/10 -CP
R158	06S45674W89	RES, RK 223J 1/10 -CP
R159	06T25277Y42	RES, RK 241J 1/10 -CP
R160	06S45674W33	RES, RK 101J 1/10 -CP
R162	06S45674W93	RES, RK 333J 1/10 -CP
R163	06S45674W33	RES, RK 101J 1/10 -CP
R164	06S45674W55	RES, RK 821J 1/10 -CP
R165	06S45675W06	RES, RK 104J 1/10 -CP
R166	06S45674W93	RES, RK 333J 1/10 -CP
R167	06S45674W65	RES, RK 222J 1/10 -CP
R168	06S45674W65	RES, RK 222J 1/10 -CP
R169	06S45674W55	RES, RK 821J 1/10 -CP
R172	06S45675W06	RES, RK 104J 1/10 -CP
R173	06S45674W33	RES, RK 101J 1/10 -CP
R174	06S45674W33	RES, RK 101J 1/10 -CP
R178	06S45674W33	RES, RK 101J 1/10 -CP
R179	06S45675W43	RES, RK JUMPER1/10-CP
R180	06S45675W06	RES, RK 104J 1/10 -CP
R181	06S45675W06	RES, RK 104J 1/10 -CP
R200	06S45674W45	RES, RK 331J 1/10 -CP
R201	06S45674W45	RES, RK 331J 1/10 -CP
R202	06S45675W30	RES, RK 105J 1/10 -CP
R203	06S45674W25	RES, RK 47RJ 1/10 -CP
R204	06S45674W33	RES, RK 101J 1/10 -CP
R205	06S45674W33	RES, RK 101J 1/10 -CP
R206	06S45674W73	RES, RK 472J 1/10 -CP
R207	06S45674W33	RES, RK 101J 1/10 -CP
R208	06S45674W37	RES, RK 151J 1/10 -CP
R209	06S45674W37	RES, RK 151J 1/10 -CP
R210	06S45675W43	RES, RK JUMPER1/10-CP
R211	06S45675W43	RES, RK JUMPER1/10-CP
R212	06S45674W41	RES, RK 221J 1/10 -CP
R213	06S45674W97	RES, RK 473J 1/10 -CP
R214	06S45674W73	RES, RK 472J 1/10 -CP
R215	06S55365Y52	RES, RK 301J 1/10 -CP
R216	06S55365Y52	RES, RK 301J 1/10 -CP

Cabinet Assembly Parts List

Symbol No.	Index	Part No.	Description
1		01V54330Y01	ASSY. NOSE UNIT 93R
4		14B02170K01	INSULATOR, MAIN
5		13C02359K02	NOSE, BASE (CD) ASSY
6		03S44205G07	SCR. T-TITE M2. 6X5
7		13D02363K01	NOSE, BASE COVER
8		03S38013W02	SCR. T-TITE M2. 6X14
9		03T25225Y01	SCR. GND
10		33C01797K01	FACE, PLATE
13		14S50096Y40	INS. CVR 33X22XT0. 3
16		75T25010Y26	CUSHION, SHLD5-5. 5-20
17		03S94385F77	SCR. NYLOK M1. 7X3
18		81D50772Y01	DP23S2C0, CD MECH
19		75S40755Y78	CUS. RUB 11X5XT4. 5
20		07B02147K01	BKT. MECH (CD)
21		30T45473Y06	FFC. RMW0369-2A
22		14S50096Y36	INS. CVR 30X23XT0. 188
24		77B50182Y01	MB4R002H, FM/AM UNIT (TU1)
25		09T84840F02	LUG, STYLE 32MM
26		36A70327W01	KNOB, SLIDE
27		14S31545Y16	INS. CVR 59X8XT0. 1
28		14S31545Y17	INS. CVR 100X8XT0. 1
29		75S40755Y77	CUS. RUB 10X6XT1
34		13C02231K02	NOSE, PIECE ASSY (H)
35		13D40822Y01	NOSE, BOTTOM
36		03S68555F20	SCR. WAVE M1. 7X5
37		41A50111W10	SPRING, KNOB
38		36B50405Y03	KNOB, ROTARY ASSY
39		15D01793K01	CASE, LCD ASSY
40		15B01794K01	COVER, LCD
41		26A41974Y01	REFLECTOR, SHEET
42		75T85248W13	RUBBER, ELECTRIC
100		07B02259K01	BKT. SLIDER
101		07A01754K01	BKT. ARM (L)
102		07A01754K02	BKT. ARM (R)
103		07A02260K01	BKT. BASE L
104		07C02261K01	BKT. BASE R
105		41A50048Y01	SPRING, WORM
106		44A02263K01	GEAR, ID
107		44A02262K01	GEAR, SLIDER
108		41A50060Y01	SPRING, SLIDE
110		03A20851Y02	SCR. SLIDER
111		44B01846K01	GEAR, CLUTCH ASSY
112		44A01840K01	GEAR, WORM
113		03S94385F13	SCR. NYLOK M2. 6X3
114		03S94385F25	SCREW, NYLOK
115		03S68259F23	SCR. P-LOCK M2X3

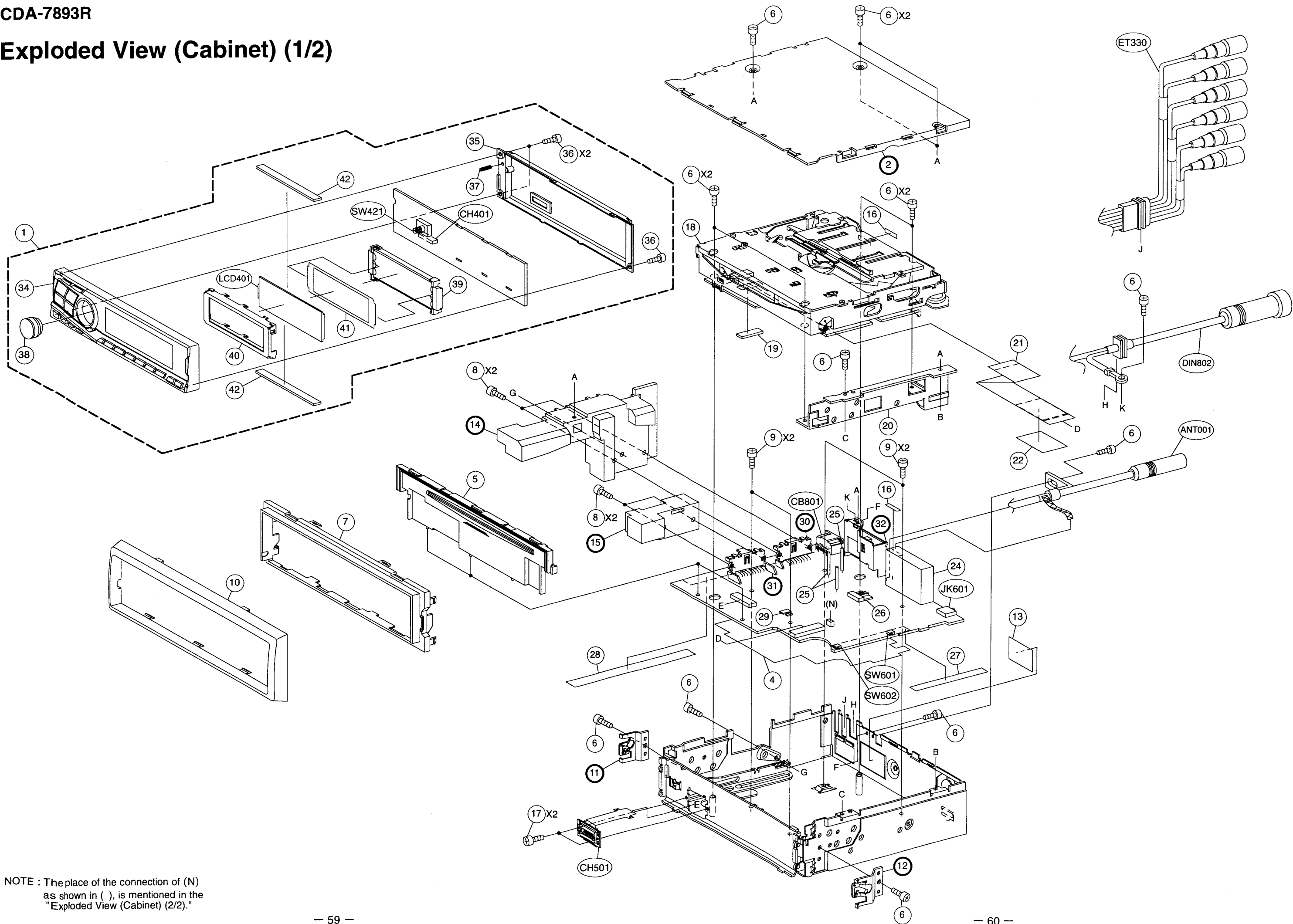
NOTE: Parts without part number are not supplied.

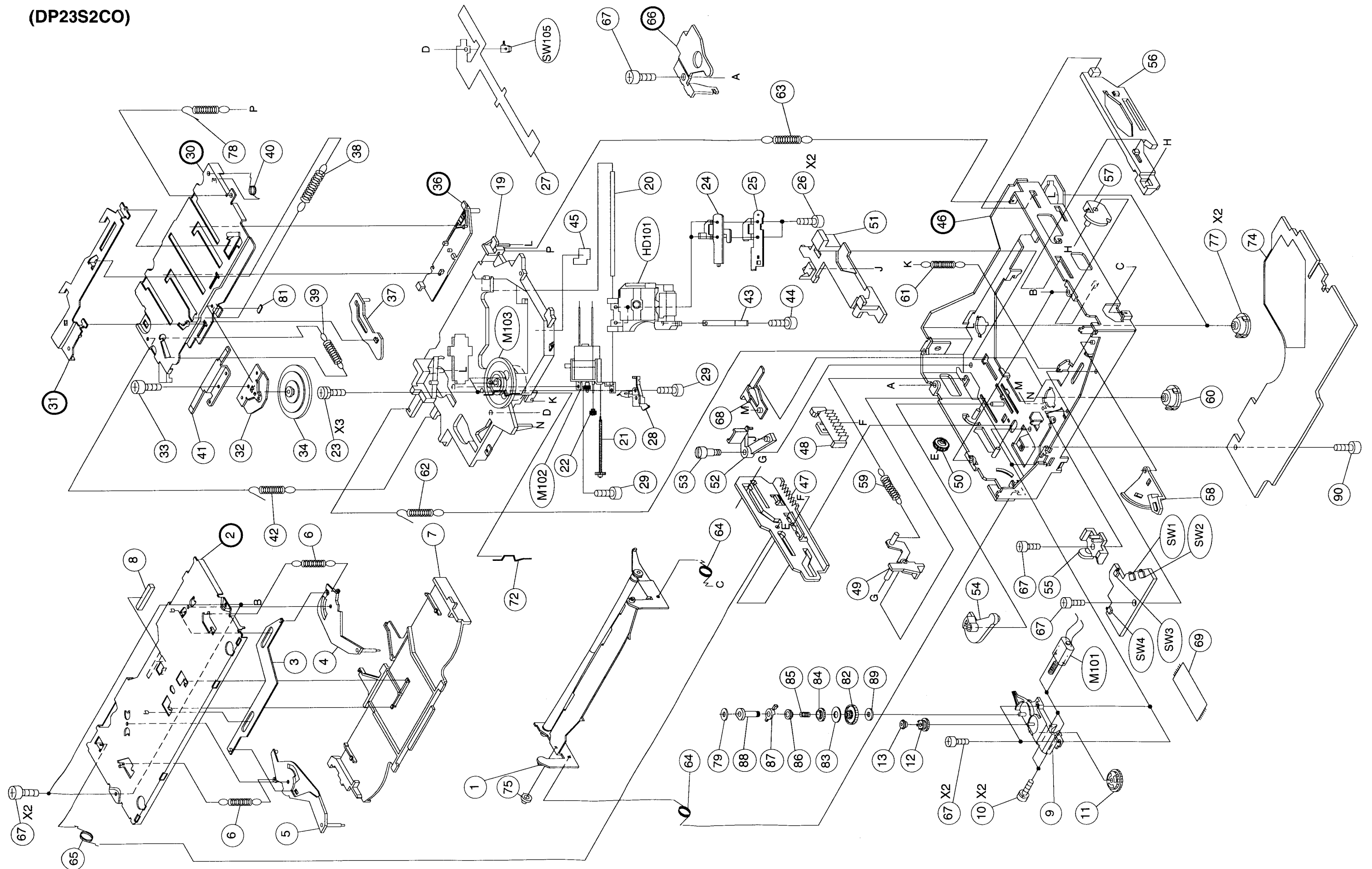
Symbol No.	Index	Part No.	Description
116		04B41345P54	WASHER, LOCK
117		43A50493Y01	BUSH, SLIDER
118		41A50492Y01	SPRING, NOSE
119		75S40755Y50	CUS. RUB 18X4XT2

Symbol No.	Part No.	Description
R217	06S55365Y52	RES. RK 301J 1/10 -CP
R218	06S45674W33	RES. RK 101J 1/10 -CP
R219	06S45675W06	RES. RK 104J 1/10 -CP
R221	06S45675W06	RES. RK 104J 1/10 -CP
R222	06S45675W06	RES. RK 104J 1/10 -CP
R223	06S45675W06	RES. RK 104J 1/10 -CP
R224	06S45675W06	RES. RK 104J 1/10 -CP
R225	06S45675W06	RES. RK 104J 1/10 -CP
R226	06S45675W06	RES. RK 104J 1/10 -CP
R804	06S45675W04	RES. RK 823J 1/10 -CP
R805	06S45675W08	RES. RK 124J 1/10 -CP
R806	06S45674W97	RES. RK 473J 1/10 -CP
RA101	06S45591W16	RES. ARY MNR223J 4-CP
RA102	06S45591W16	RES. ARY MNR223J 4-CP
RA103	06S45591W02	RES. ARY MNR473J 4-CP
RA105	06S45591W02	RES. ARY MNR473J 4-CP
RA203	06S45591W03	RES. ARY MNR104J 4-CP
RA204	06S45591W03	RES. ARY MNR104J 4-CP
RA205	06S45591W03	RES. ARY MNR104J 4-CP
Connectors		
CB101	09T55174Y15	FFC, IMSA9616S-15Y-ED
CB102	09T55174Y22	FFC, IMSA9616S-22Y-EQ
CB103	09T55174Y07	FFC, IMSA9616S-07Y-E9
Miscellaneous		
ANT001	01T02127K05	ASSY. ANT CABLE 7892A
CB801	09T35473Y16	WTB, F169B001-16 -DB
CH401	09T25444Y15	BTB, 55323-1511 -B
CH501	01T02295K02	ASSY. UNIZON CONN 93A
CH601	01T25413Y01	ASSY. CONN 2P
DIN802	01T35496Y02	ASSY. DIN 7863A0
ET330	01T35497Y20	ASSY. WIRE RCA7892A0 (FRONT OUT/REAR OUT/SUB-W)
JK601	09T55293Y01	JAC, HSJ6061-01-440DB
LCD401	65T55298Y02	LCD, WTD-21046H
M601	59T65085W01	MOTOR, LOAD FF-050SK (NOSE MOTOR/7V-370mA)
SW421	40T55277Y03	ENC. EC11E15445 -B (ROTARY ENCODER/MODE/Q. S.)
SW601	40T15494Y07	SW. DETCT SPVG21 -E6 (NOSE CLOSE DET)
SW602	40T15494Y08	SW. DETCT SPVG11 -E6 (NOSE OPEN DET)

Symbol No.	Part No.	Description
DP23S2C0		
HD101	81B50360Y01	PICKUP, EP21A67L
M101	01V56100Y14	ASSY. MOTOR WORM 2B0 (3. 5V-80mA)
M102	01V56100Y12	ASSY. MOTOR SLED 2B0 (3. 5V-80mA)
M103	01V56100Y11	ASSY. MTR SPINDOL 2B0 (3V-90mA)
SW1	40T15494Y01	SW. DETCT SPVG23 -E6 (12cm DISC DETECT (EJECT POSITION/ RELOAD))
SW2	40T15494Y02	SW. DETCT SPVG13 -E6 (8/12cm DISC DETECT (INSERT/ PULL OUT))
SW3	40T15494Y07	SW. DETCT SPVG21 -E6 (8cm DISC DETECT (EJECT POSITION/ RELOAD))
SW4	40T15494Y01	SW. DETCT SPVG23 -E6 (DISC CHUCKING END DETECT)
SW105	40T71025F03	SW. DETCT SPPB120 (LIMIT)

Exploded View (Cabinet) (1/2)





CD Deck Mechanism Assembly Parts List

NOTE: Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
1		01V43800Y84	ASSY, ARM GUIDE 280	58		45A11597Y02	LEVER, SW
3		45B11564Y02	LEVER, LINK-TOP	59		41B11613Y04	SPRING, TRIGGER
4		45B11595Y02	LEVER DISC(R)	60		75C30466Y04	DAMPER, DPS2
5		45B11596Y02	LEVER, DISC(L)	61		41B11613Y06	SPRING, PULL
6		41B11613Y16	SPRING, PULL	62		41B11613Y07	SPRING, PULL
7		15D50248Y01	GUIDE, TOP-DPS2	63		41B11613Y08	SPRING, PULL
8		75A21286Y04	CUSHION, CLAMPER DPS2	64		41A40518Y01	SPRING, ROL
9		07C50608Y01	BKT, MOTOR LOAD-P	65		41A31894Y01	SPRING, SLIDER
10		03S40014G07	SCR, MCH M2X4	67		03A21791Y01	SCREW, M2X3.5 S-TITE
11		44B11578Y02	GEAR, (A)	68		07B20905Y02	BKT, FPC CONT
12		44B11579Y02	GEAR, (B)	69		30T15126W15	WIRE, PC JOINT 7P
13		44B11580Y02	GEAR, (C)	72		41A21613Y02	SPRING, SPINDLE
19		27D11602Y04	CHASSIS, PICKUP	74		14A21117Y02	INS, CVR
20		47A11575Y01	SHAFT, PICK	75		43A31443Y01	ROLLER, ARM DISC (C)
21		01V28100Y59	ASSY, SHAFT. SCREW	77		75C30466Y05	DAMPER, DPS2
22		44A70590W03	GEAR, MIDDLE	78		41B11613Y14	SPLING, PULL
23		03S72235F96	SCR, MCH M1.7X3.5(SW)	79		04B41345P52	WASH, 1.6X3.5X0.25
24		07B30337Y02	BKT, SPRING NUT	81		75A21286Y02	CUSHION, CLAMPER BACK
25		41A11606Y10	SPRING, NUT	82		44B40523Y02	GEAR, BASE
26		03S94385F18	SCR, NYLON M2X3.5	83		04A40528Y01	WASHER, FELT
27		84T01803K01	PANEL, FPC CONT	84		44A40524Y02	GEAR, CLUTCH
28		41B11566Y10	SPRING SHAFT	85		41A40529Y01	SPRING, CLUTCH
29		03S70494F13	SCR, P-TITE M2X6 BLK	86		44A40525Y02	GEAR, PINION
32		07A11565Y02	PLATE, CLAMP	87		15A40526Y02	HOLDER, CLUTCH
33		03S94385F01	SCR, NYLON M1.7X2.3	88		43A41446Y02	SLEEVE, CLUTCH
34		43A41812Y02	TABLE, CLAMPER2	89		04B41345P25	WASH, L. 3.1X6X0.35
37		45A11599Y02	LEVER, ACTUATOR	90		03S44205699	SCR, T-TITE M2X3
38		41B11613Y03	SPRING, PULL				
39		41B11613Y05	SPRING, LEV-ACT				
40		41A11609Y01	SPRING, LEVER				
41		41B40574Y10	SPRING, PLATE-S				
42		41B11613Y15	SPRING, PULL				
43		41A11040Y10	SPRING, SLED-HOE				
44		03S70494F52	SCR, P-TITE M1.4X4.5				
45		43A21240Y01	SHEET, FPC PICK				
47		45B40510Y02	SLIDER, LOAD				
48		44B40527Y02	RACK				
49		45A11601Y02	LEVER, TRIGGER				
50		44B11581Y02	GEAR, (D)				
51		45B11594Y02	SLIDER, LOCK(L)				
52		45A11592Y02	ARM, LOCK(L2)				
53		03A11574Y01	SCREW, LOCK				
54		45B11591Y02	ARM, LOCK(L1)				
55		07A50606Y01	BKT, MOTOR WIRE-P				
56		45B11593Y02	SLIDER, LOCK(R)				
57		45B11607Y02	ARM, LOCK(R)				