



ELECTRONICS

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SERVICE MANUAL

DVD-C621

SAMSUNG

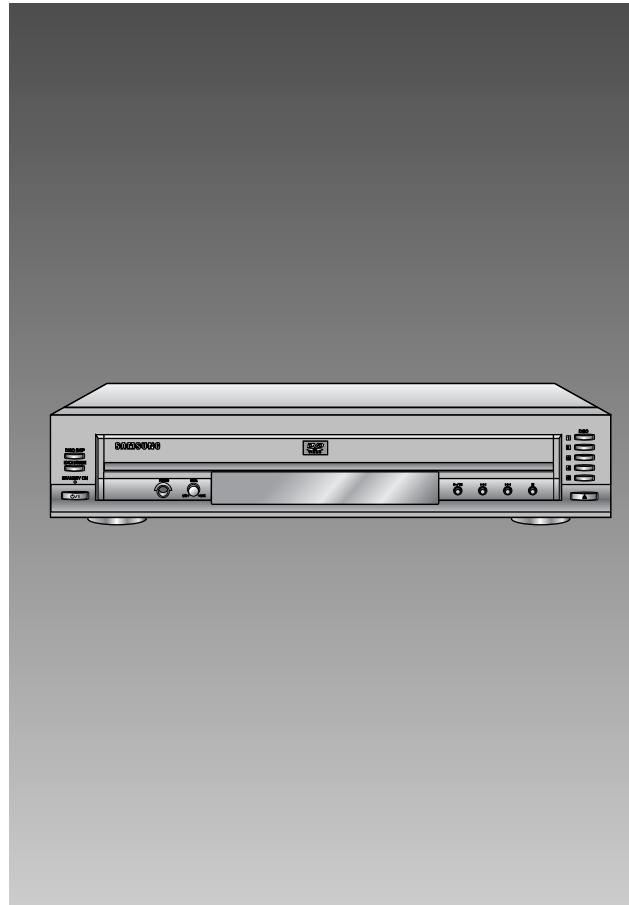


DVD PLAYER

Chassis : Sellino
DVD-C621

SERVICE Manual

DVD PLAYER



CONTENTS

1. Precautions
2. Disassembly and Reassembly
3. Troubleshooting
4. Exploded Views and Parts List
5. Electrical Parts List
6. Block Diagrams
7. PCB Diagrams
8. Wiring Diagrams
9. Schematic Diagrams

1. Precautions

1-1 Safety Precautions

1) Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

(1) Be sure that no built-in protective devices are defective or have been defeated during servicing.
(1) Protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience.
(2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fish papers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.

(2) Be sure that there are no cabinet openings through which adults or children might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.

(3) Leakage Current Hot Check-With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use a isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1270 (40.7). With the instrument's AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinets, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis.

Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See Fig. 1-1.

Any measurements not within the limits specified herein indicate a potential shock hazard that must be eliminated before returning the instrument to the customer.

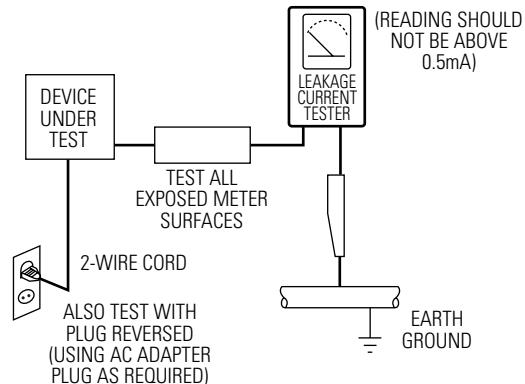


Fig. 1-1 AC Leakage Test

(4) Insulation Resistance Test Cold Check-(1) Unplug the power supply cord and connect a jumper wire between the two prongs of the plug. (2) Turn on the power switch of the instrument. (3) Measure the resistance with an ohmmeter between the jumpered AC plug and all exposed metallic cabinet parts on the instrument, such as screwheads, antenna, control shafts, handle brackets, etc. When an exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 megohm. When there is no return path to the chassis, the reading must be infinite. If the reading is not within the limits specified, there is the possibility of a shock hazard, and the instrument must be re-pared and rechecked before it is returned to the customer. See Fig. 1-2.

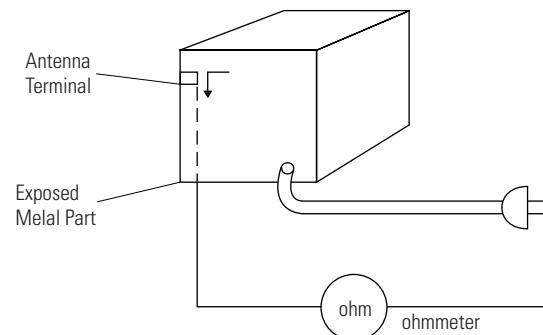


Fig. 1-2 Insulation Resistance Test

Precautions

- 2) Read and comply with all caution and safety related notes non or inside the cabinet, or on the chassis.
- 3) Design Alteration Warning-Do not alter or add to the mechanical or electrical design of this instrument. Design alterations and additions, including but not limited to, circuit modifications and the addition of items such as auxiliary audio output connections, might alter the safety characteristics of this instrument and create a hazard to the user. Any design alterations or additions will make you, the service, responsible for personal injury or property damage resulting therefrom.
- 4) Observe original lead dress. Take extra care to assure correct lead dress in the following areas:
(1) near sharp edges, (2) near thermally hot parts (be sure that leads and components do not touch thermally hot parts), (3) the AC supply, (4) high voltage, and (5) antenna wiring. Always inspect in all areas for pinched, out-of-place, or frayed wiring. Do not change spacing between a component and the printed-circuit board. Check the AC power cord for damage.
- 5) Components, parts, and/or wiring that appear to have overheated or that are otherwise damaged should be replaced with components, parts and/ or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.
- 6) Product Safety Notice-Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by shading, an (▲) or a (△) on schematics and parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

CAUTION : Before servicing Instruments covered by this service manual and its supplements, read and follow the Safety Precautions section of this manual.

Note : If unforseen circument create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

1-2-1 General Servicing Precautions

- (1) a. Always unplug the instrument's AC power cord from the AC power source before (1) re-moving or reinstalling any component, circuit board, module or any other instrument assembly, (2) disconnecting any instrument electrical plug or other electrical connection, (3) connecting a test substitute in parallel with an electrolytic capacitor in the instrument.
- b. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.
- c. Do not apply AC power to this instrument and /or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
- d. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Note : Refer to the Safety Precautions section ground lead last.

- (2) The service precautions are indicated or printed on the cabinet, chassis or components. When servicing, follow the printed or indicated service precautions and service materials.
- (3) The components used in the unit have a specified flame resistance and dielectric strength. When replacing components, use components which have the same ratings. Components identified by shading, by (▲) or by (△) in the circuit diagram are important for safety or for the characteristics of the unit. Always replace them with the exact replacement components.

(4) An insulation tube or tape is sometimes used and some components are raised above the printed wiring board for safety. The internal wiring is sometimes clamped to prevent contact with heating components. Install such elements as they were.

(5) After servicing, always check that the removed screws, components, and wiring have been installed correctly and that the portion around the serviced part has not been damaged and so on. Further, check the insulation between the blades of the attachment plug and accessible conductive parts.

1-2-2 Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power ON. Connect the insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts(see note) should be more than 1 Megohm.

Note : Accessible conductive parts include metal panels, input terminals, earphone jacks, etc.

1-3 ESD Precautions

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity.

Such components commonly are called Electrostatically Sensitive Devices(ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

- (1) Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
- (2) After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- (3) Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
- (4) Use only an anti-static solder removal devices. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
- (5) Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
- (6) Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it.(Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).

(7) Immediately before removing the protective materials from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

(8) Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

1-4 Handling the optical pick-up

The laser diode in the optical pick up may suffer electrostatic breakdown because of potential static electricity from clothing and your body.

The following method is recommended.

- (1) Place a conductive sheet on the work bench (The black sheet used for wrapping repair parts.)
 - (2) Place the set on the conductive sheet so that the chassis is grounded to the sheet.
 - (3) Place your hands on the conductive sheet (This gives them the same ground as the sheet.)
 - (4) Remove the optical pick up block
 - (5) Perform work on top of the conductive sheet. Be careful not to let your clothes or any other static sources to touch the unit.
- ◆ Be sure to put on a wrist strap grounded to the sheet.
 - ◆ Be sure to lay a conductive sheet made of copper etc. Which is grounded to the table.

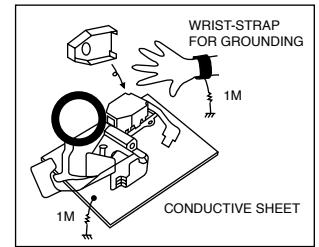
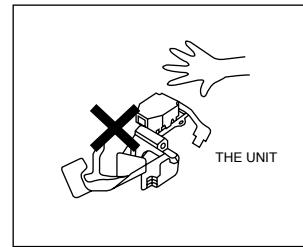


Fig.1-3

- (6) Short the short terminal on the PCB, which is inside the Pick-Up ASS'Y, before replacing the Pick-Up. (The short terminal is shorted when the Pick-Up Ass'y is being lifted or moved.)
- (7) After replacing the Pick-up, open the short terminal on the PCB.

1-5 Pick-up disassembly and reassembly

1-5-1 Disassembly

- 1) Remove the power cord.
- 2) Disassemble the Deck-Assy.
- 3) Make solder land 2 points short on Pick-up.
(See Fig. 1-4)
- 4) Disassembly the Pick-up.

Note : If the assembly and disassembly are not done in correct sequence, the Pick-up may be damaged.

1-5-2 Assembly

- 1) Replace the Pick-up.
- 2) Remove the soldering 2 points on Pick-up.
- 3) Reassemble the Deck-Assy.

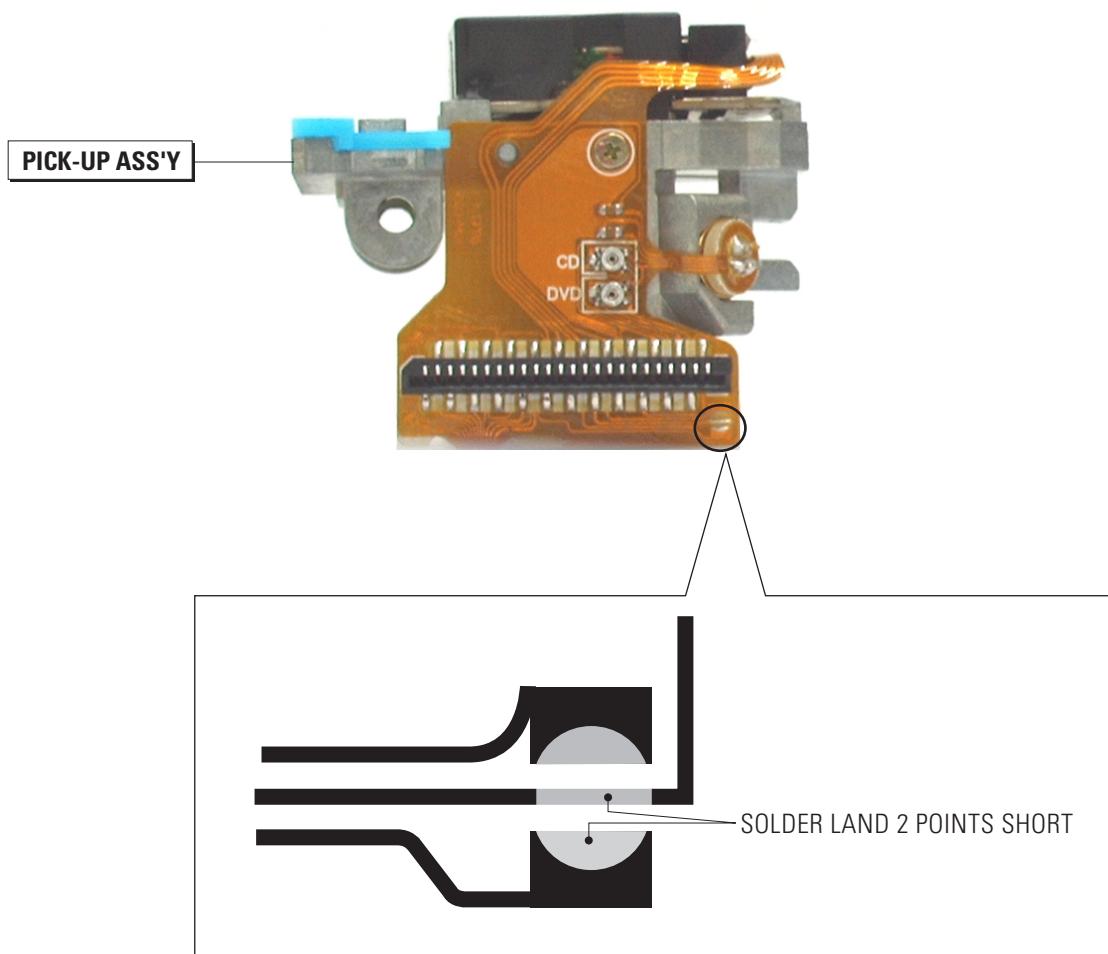


Fig. 1-4

2. Disassembly and Reassembly

2-1 Cabinet and PCB

Note : Reassembly in reverse order.

2-1-1 Top Cabinet Removal

- 1) Remove 3 Screws ① on the back Top Cabinet.
- 2) Remove 4 Screws ②, ③ on the left and right side.
- 3) Lift up the Top Cabinet in direction of arrow.

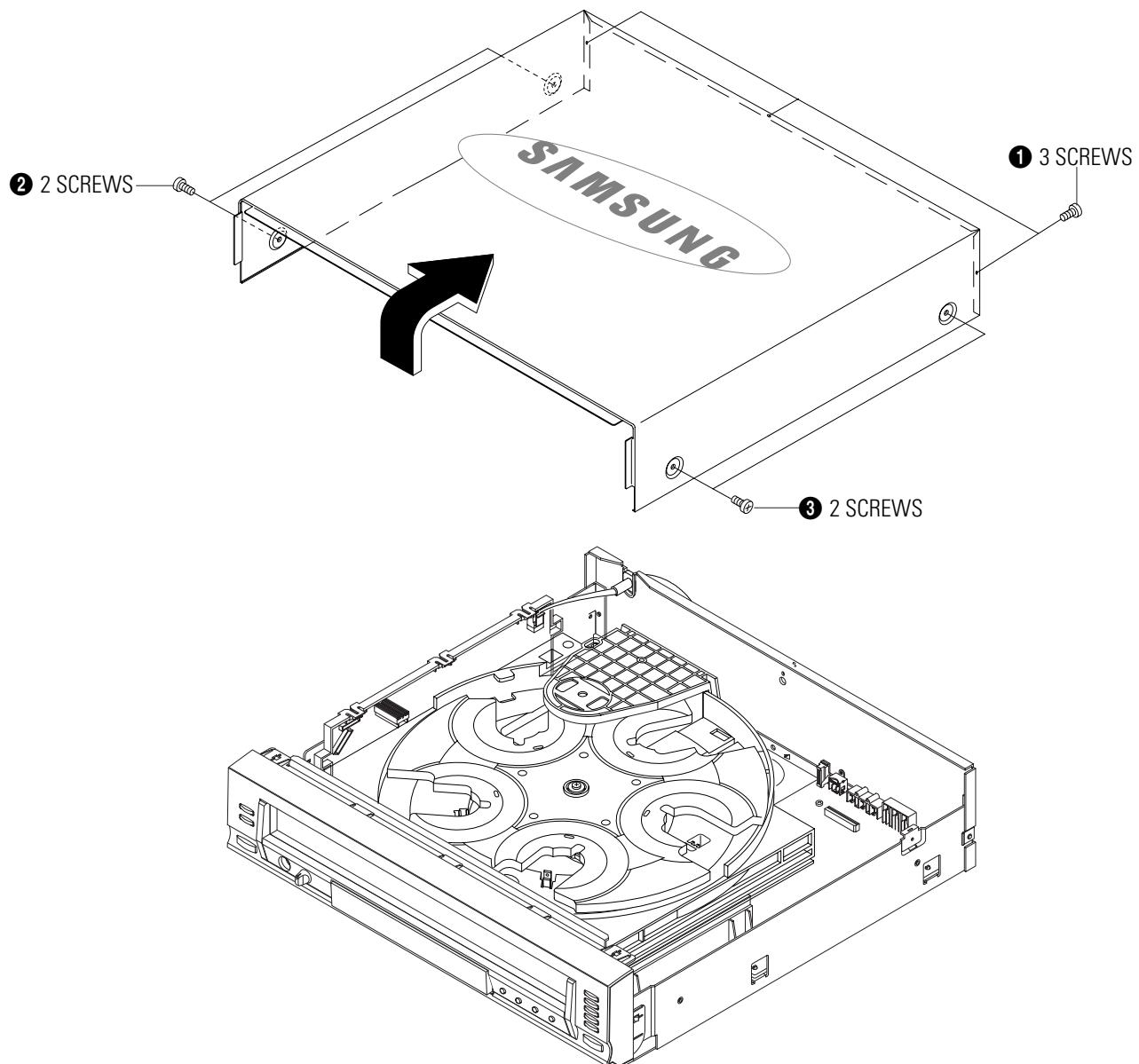


Fig. 2-1 Top Cabinet Removal

2-1-2 Door-Tray Removal

- 1) Supply power and open Tray Disc ①.
- 2) Disassemble the Door-Tray ② in direction of arrow "A".
- 3) Close Tray ① and power off.

Note : If Tray ① doesn't open, insert a Screw driver ④ into the Emergency hole ③ (as shown in detailed drawing) and then push it in the direction of arrow "B". Open Tray manually.

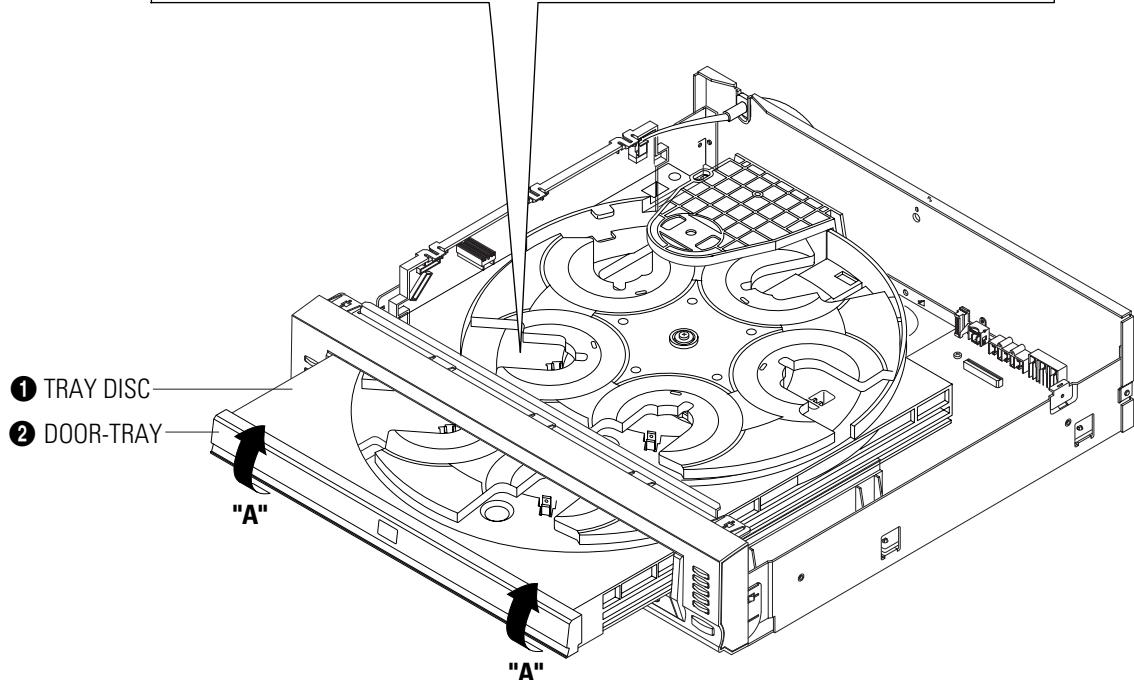
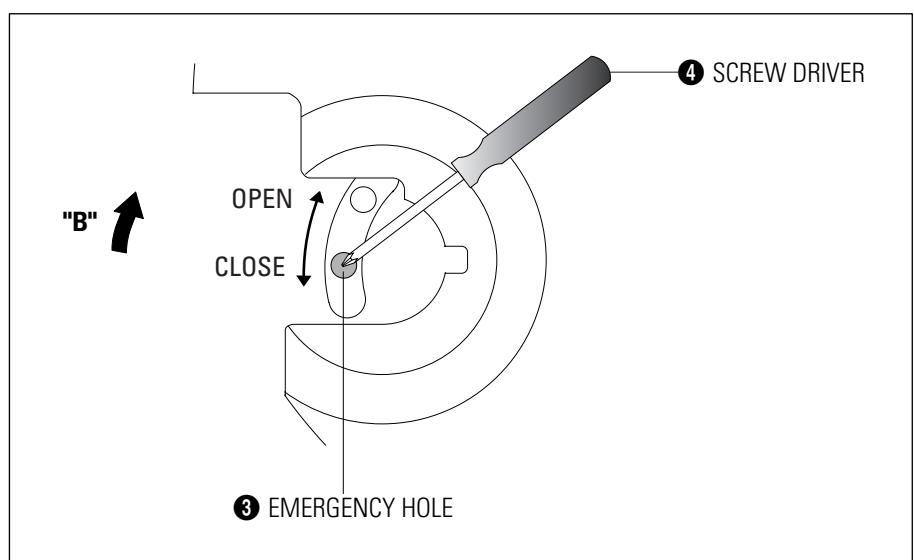


Fig. 2-2 Door-Tray Removal

2-1-3 Ass'y Front-Cabinet, Key PCB Removal

- 1) Release 6 Hooks ①, ③, ④, ⑤ and remove Knob-Volume ②, Ass'y Front-Cabinet ⑥.
- 2) Remove 1 Screw ⑦ and L-Key PCB ⑧.
- 3) Remove 2 Screws ⑨ and R-Key PCB ⑩.

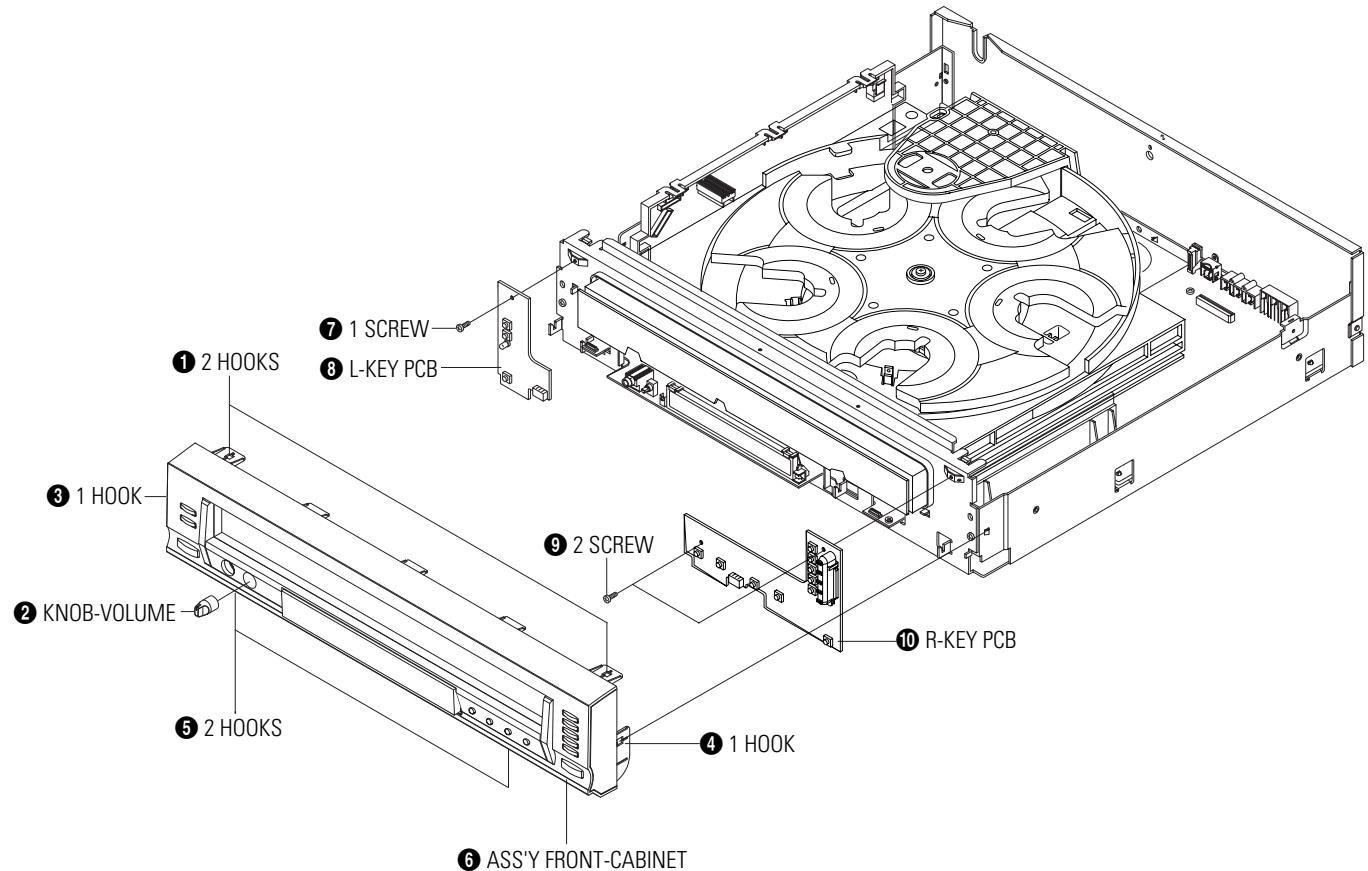


Fig. 2-3 Ass'y Front-Cabinet, Key PCB Removal

2-1-4 Ass'y Deck Removal

- 1) Remove 6 Screws ①.
- 2) Insert a Screw Driver ③ into Emergency Hole ② and turn Gear Cam ④ in the direction of arrow "A".
- 3) When the Tray Disc ⑤ comes out a little, pull in the direction of arrow "B" by hand.
- 4) Remove 2 Screws ⑥ and close the Tray Disc ⑤ by pushing in the reverse direction of arrow "B" by hand, and lift up the Ass'y Deck.
- 5) Disconnect Flat-Cable from MDCN1 on Main & Jack PCB and Connect-Wire from FCN5 on Front PCB.

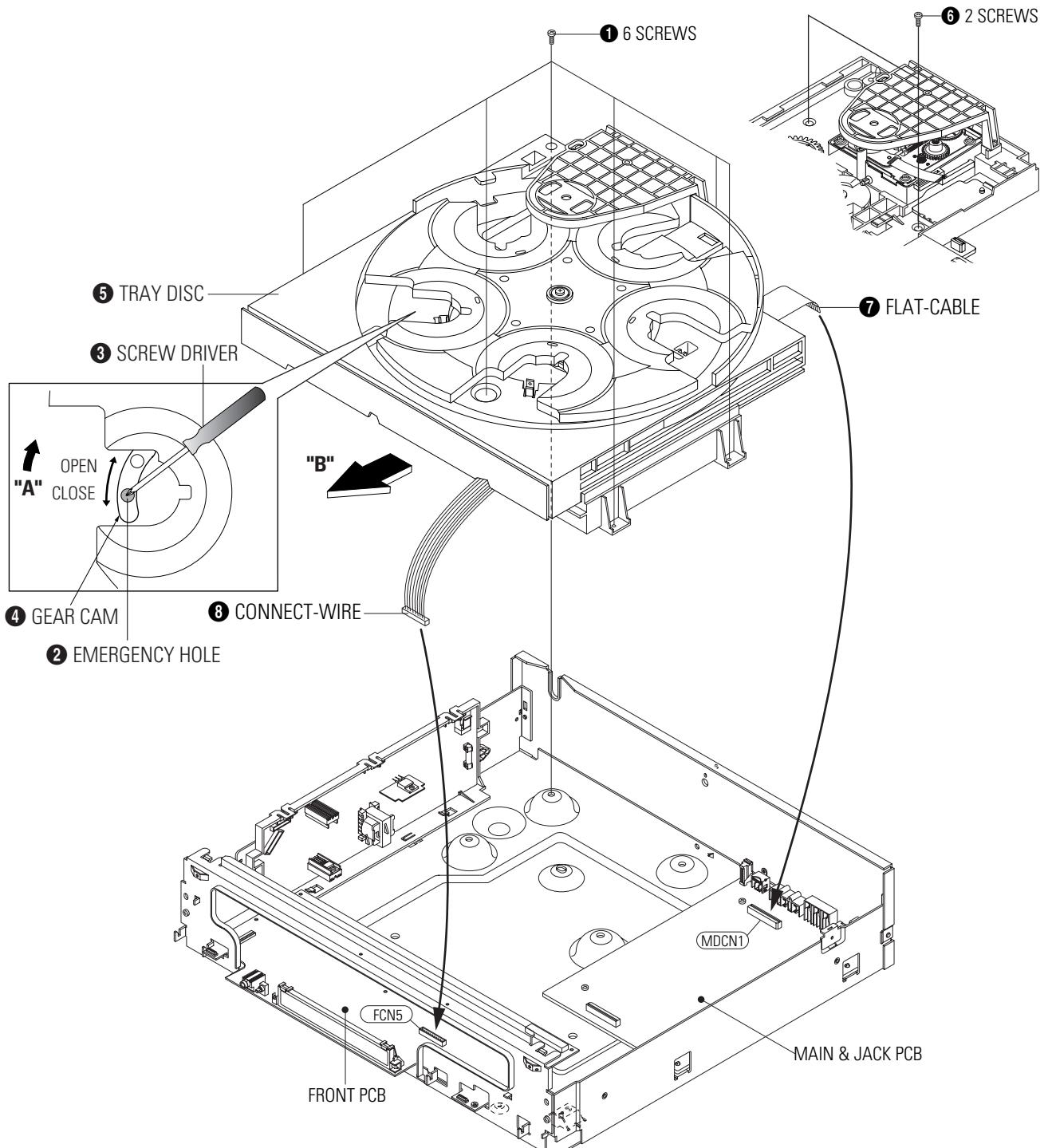


Fig. 2-4 Ass'y Deck Removal

2-1-5 Main & Jack PCB, S.M.P.S. PCB, Front PCB Removal

- 1) Remove 3 Screws ① and lift up the Main & Jack PCB ②.
- 2) Remove Holder SMPS ③ by pulling in the direction of arrow while pressing Hook ④ from the bottom chassis.
- 3) Release 3 Hooks ⑤ and S.M.P.S. PCB ⑥.
- 4) Lift up the Front PCB ⑦.

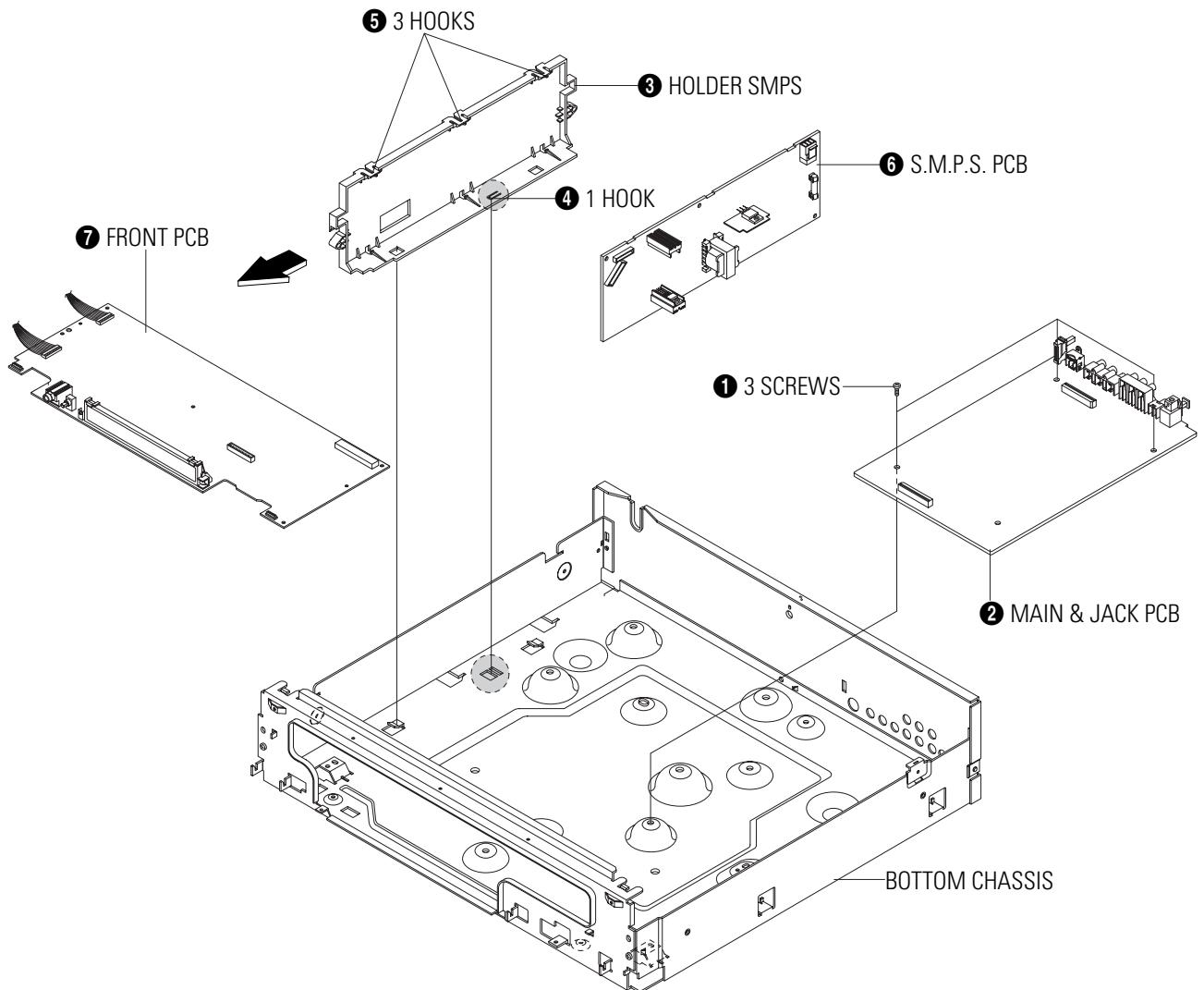


Fig. 2-5 Main & Jack PCB, S.M.P.S. PCB, Front PCB Removal

2-2 PCB Location

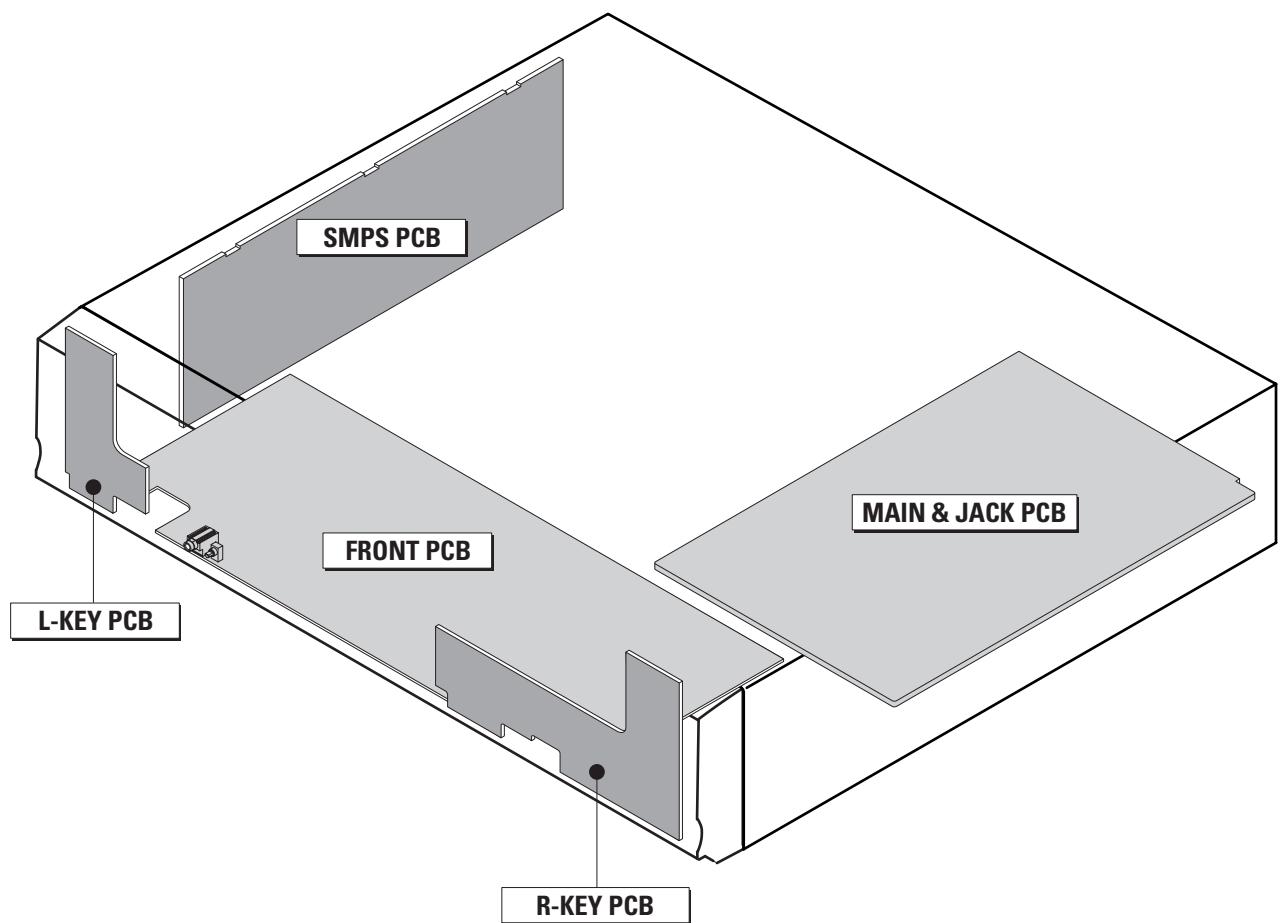
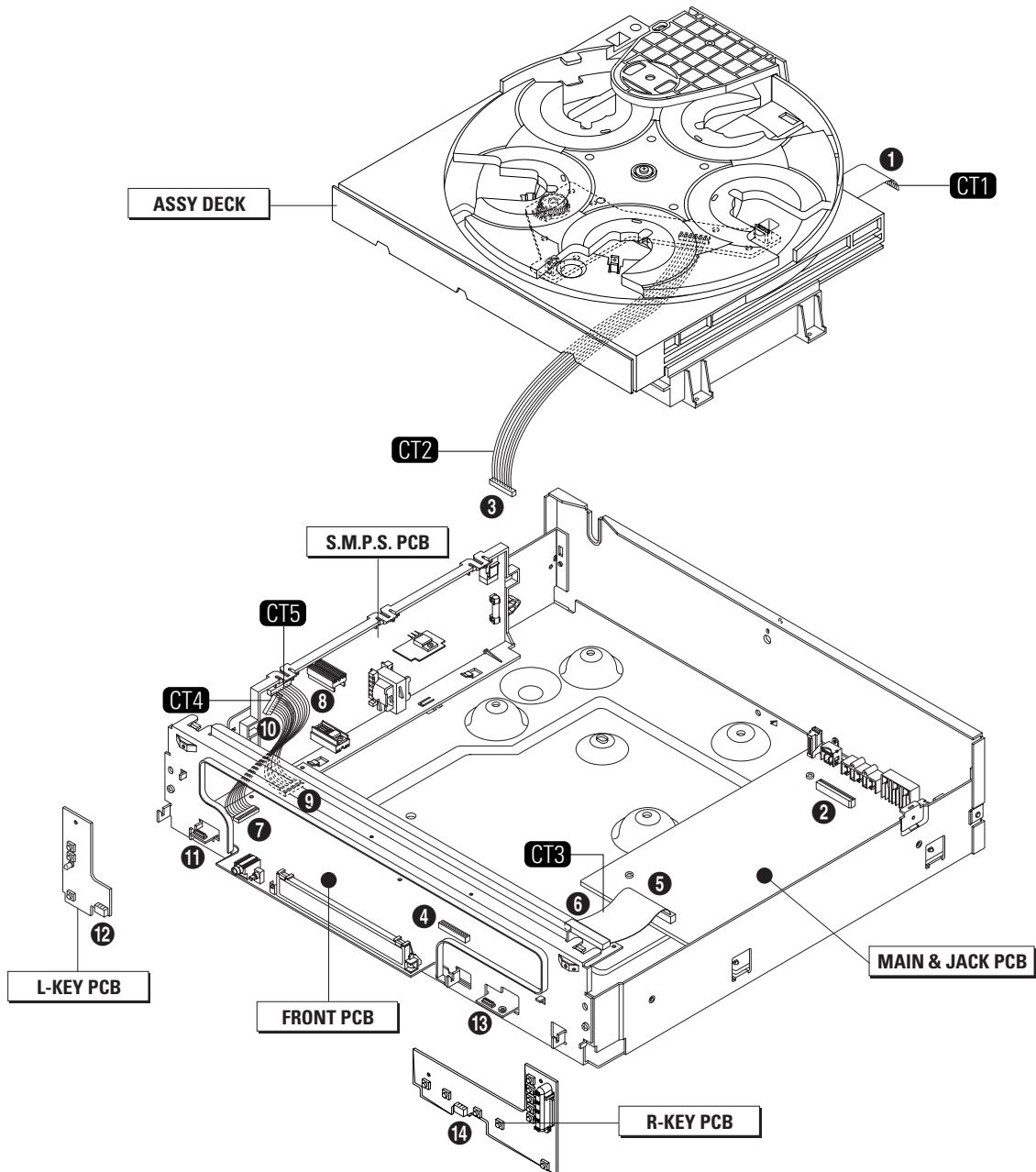


Fig. 2-6 PCB Location

2-3 Connector Diagram



NO.	CONNECTOR NO.	DIRECTION	CONNECTOR NO.	NO.
①	FLAT-CABLE	DECK PCB ← CT1 → MAIN & JACK PCB	MDCN1	②
③	CONNECT-WIRE (MCN01)	MOTOR CONNECTION PCB ← CT2 → FRONT PCB	FCN5	④
⑤	MJCN1	MAIN & JACK PCB ← CT3 → FRONT PCB	CN1	⑥
⑦	FCN22	FRONT PCB ← CT4 → S.M.P.S. PCB	PCN2	⑧
⑨	FCN21	FRONT PCB ← CT5 → S.M.P.S. PCB	PCN1	⑩
⑪	FCN4	FRONT PCB ← → L-KEY PCB	FW1	⑫
⑬	FCN3	FRONT PCB ← → R-KEY PCB	FW2	⑭

Fig. 2-7 Connector Diagram

2-4 Deck

2-4-1 Tray Disc Removal

- 1) Insert a Screw Driver **②** into Emergency Hole **①** and turn Gear Cam **③** in the direction of arrow "A".
- 2) When the Tray Disc **④** comes out a little, pull in the direction of arrow "B" by hand.
- 3) Disconnect Flat-Cable **⑤**.
- 4) Pull the Tray Disc **④** to disassemble, while simultaneously pushing the Stopper **⑥** in the direction of arrow "C".

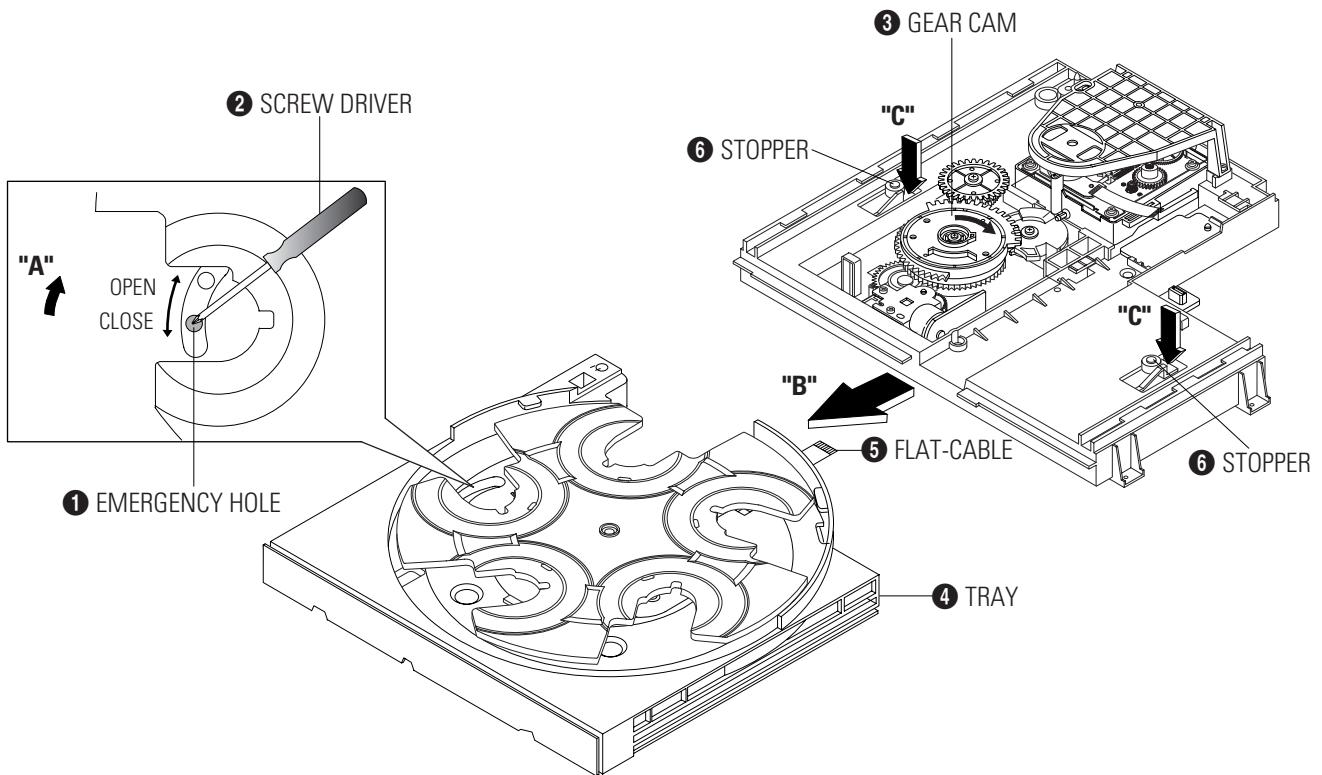


Fig. 2-8 Tray Disc Removal

2-4-2 Tray Roulette Removal

- 1) Remove 1 Screw ①.
- 2) Lift up the Tray Roulette ②.

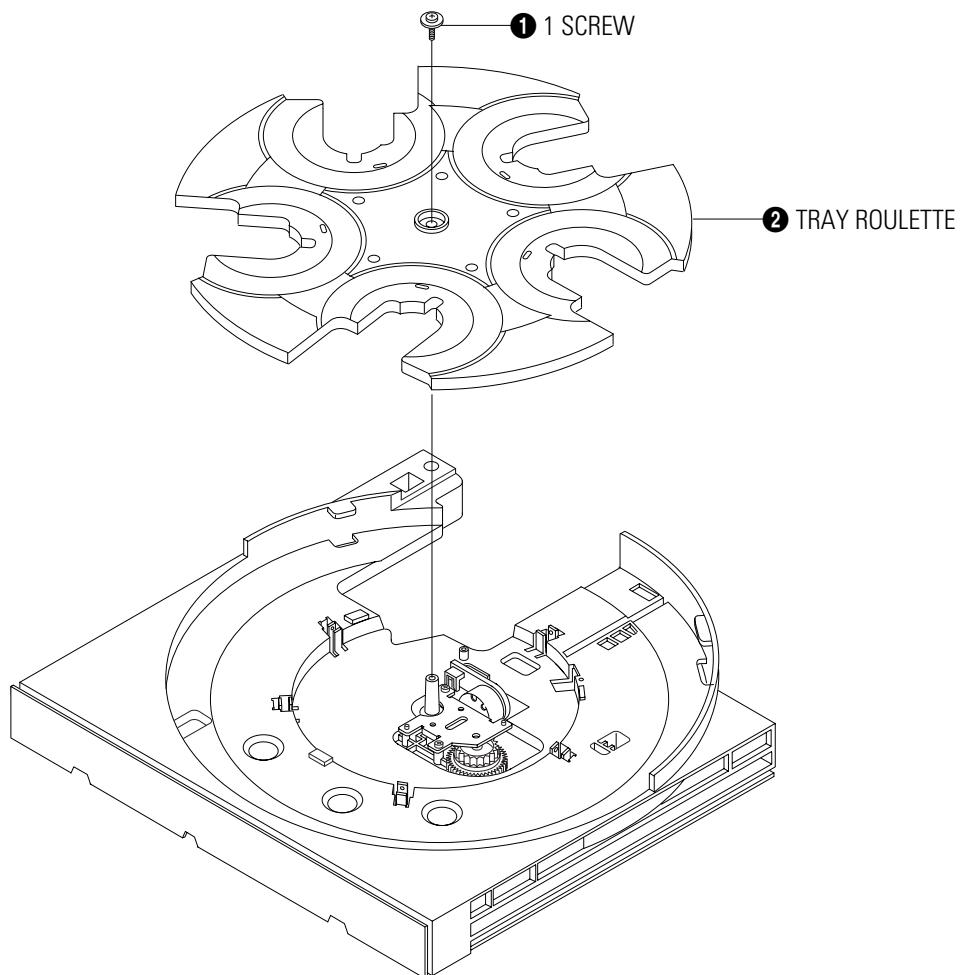


Fig. 2-9 Tray Roulette Removal

2-4-3 Motor Roulette Removal

1) Remove 2 Screws ① and lift up the Motor Rou Ass'y ②.

2) Lift up the Gear Roulette ③

3) Remove the 2 Screws ④ and Sensor PCB ⑤.

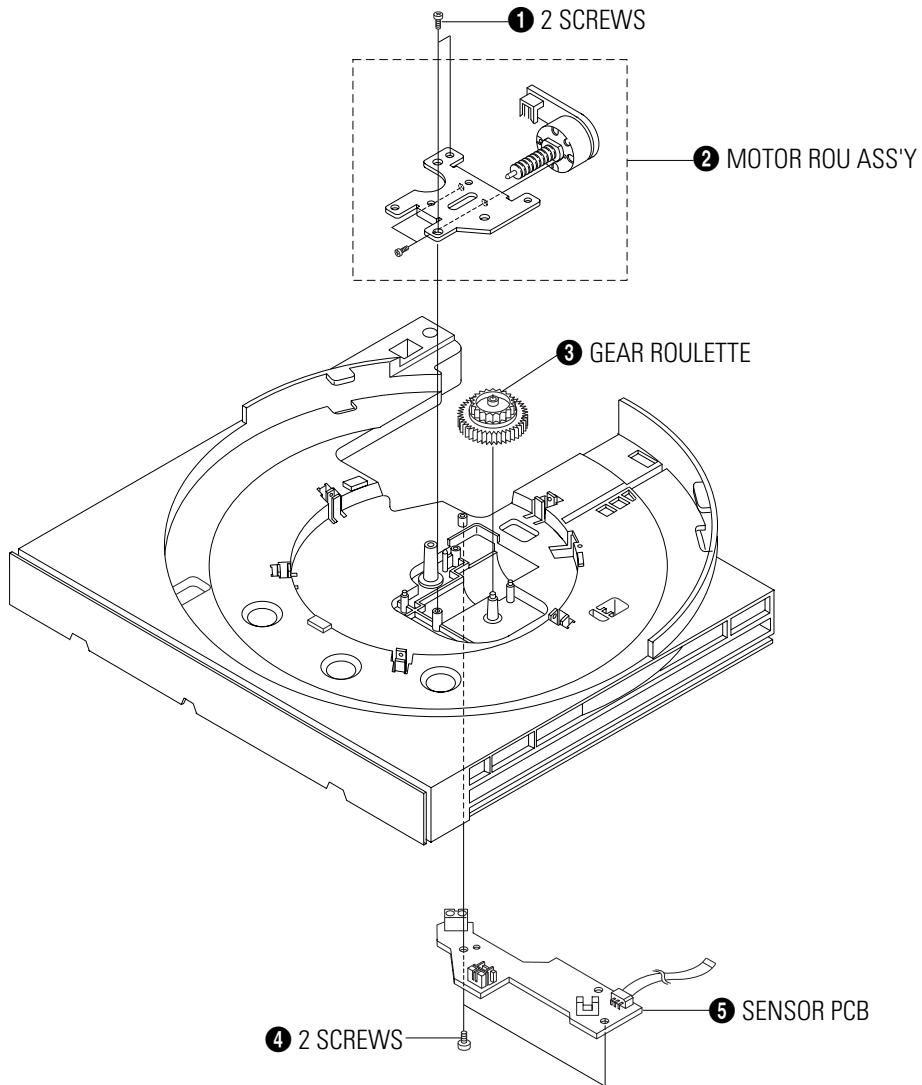


Fig. 2-10 Motor Roulette Removal

2-4-4 Ass'y P/U Deck Removal

- 1) Remove 3 Screws ① and lift up the Holder Chuck ②.
- 2) Push the Hook ③ in the direction of arrow "A" and lift up the Ass'y P/U Deck ④, Deck PCB ⑤.

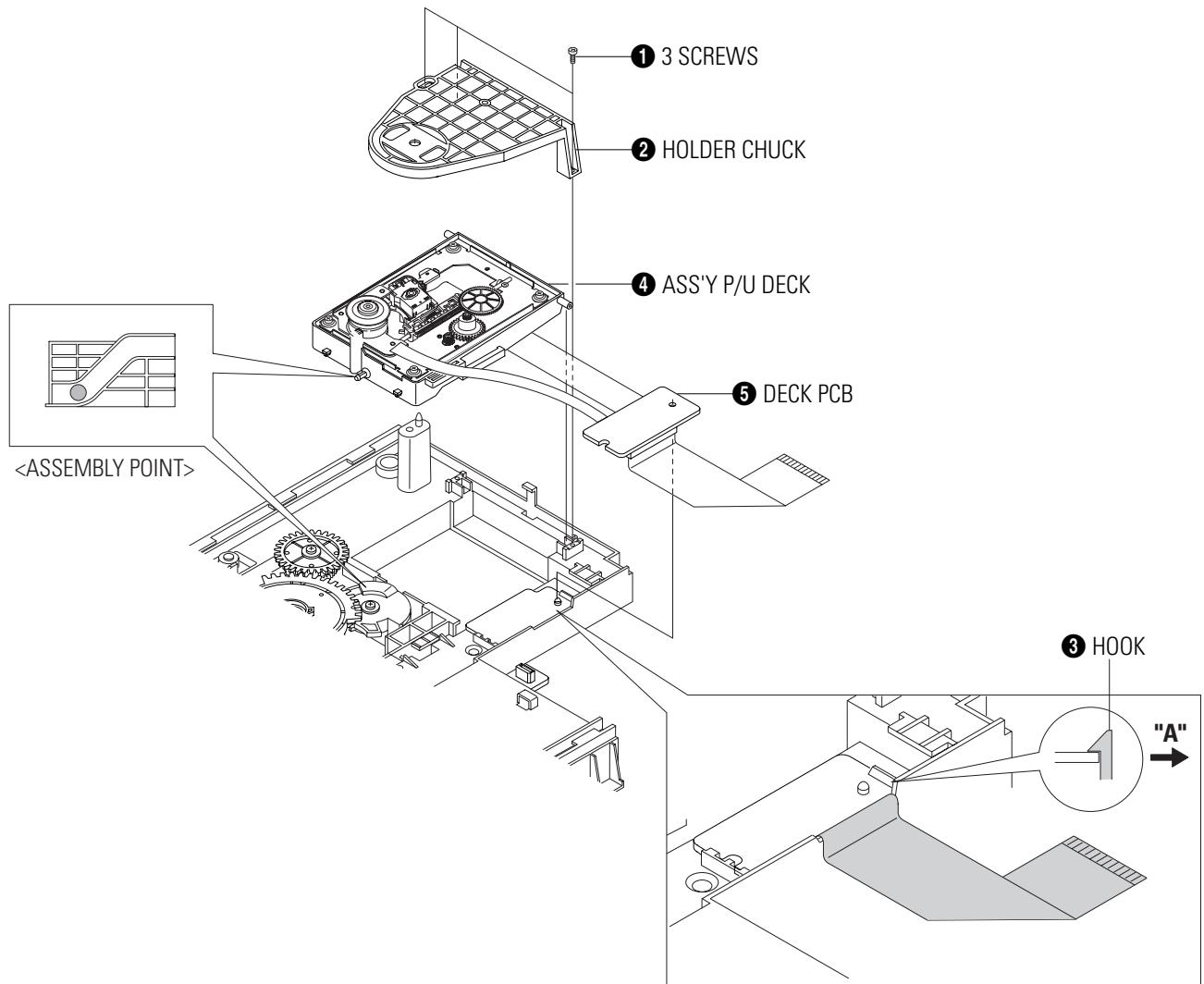


Fig. 2-11 Assy P/U Deck Removal

2-4-5 Gear Tray, Gear Cam, Gear Lift, Gear Load, Gear Worm Wheel, Motor Load Ass'y Removal

- 1) Remove 3 Screws ①, ② and lift up the Gear Tray ③.
- 2) Lift up the Gear Cam ④ and lift up the Gear Lift ⑤.
- 3) Remove 2 Screws ⑥ and lift up the Motor Load Ass'y ⑦.
- 4) Lift up the Gear Worm Wheel ⑧ and Gear Load ⑨.

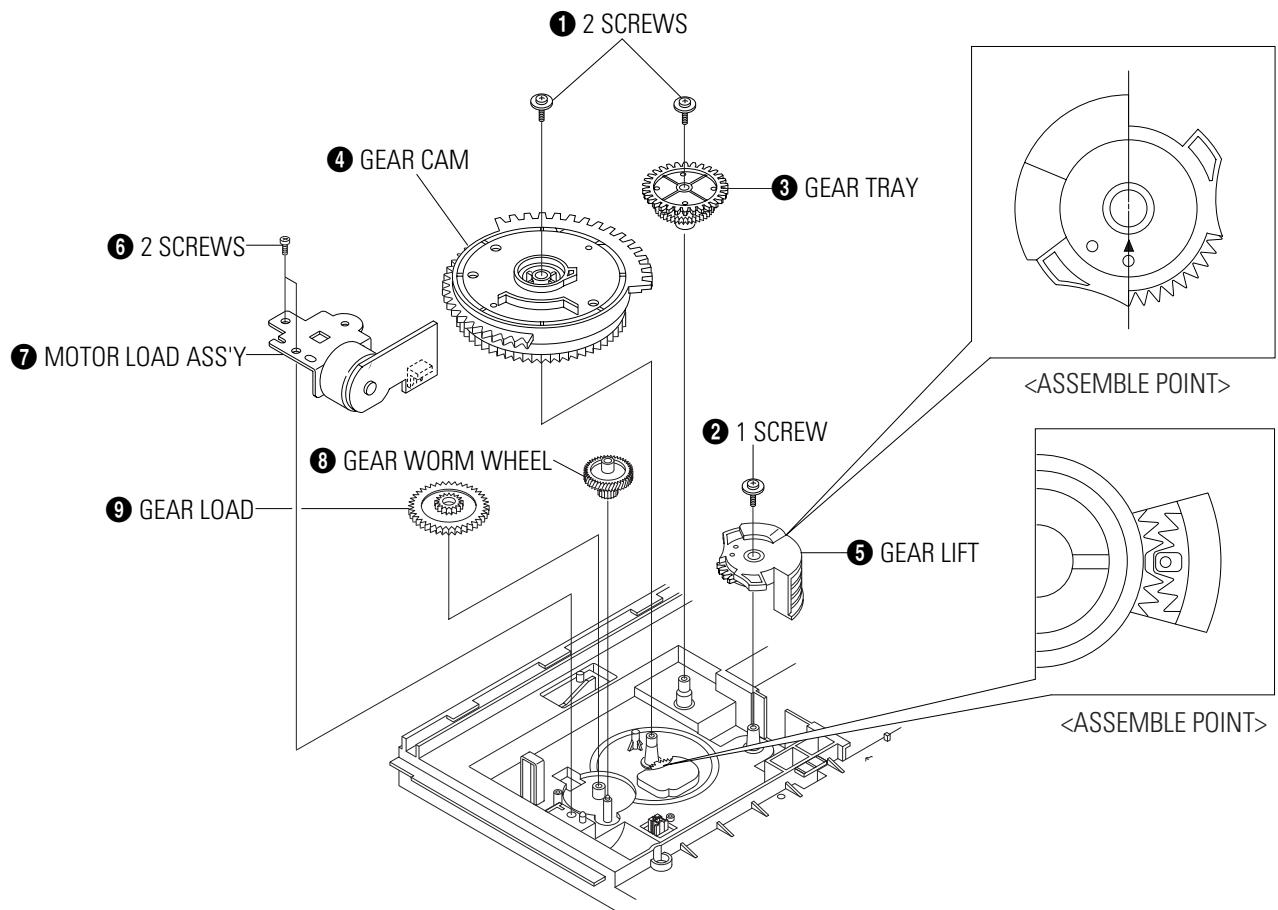


Fig. 2-12 Gear Tray, Gear Cam, Gear Lift, Gear Load, Gear Worm Wheel, Motor Load Ass'y Removal

2-4-6 Motor Connection PCB Removal

- 1) Remove 3 Screws ①.
- 2) Lift up the Motor Connection PCB ②.

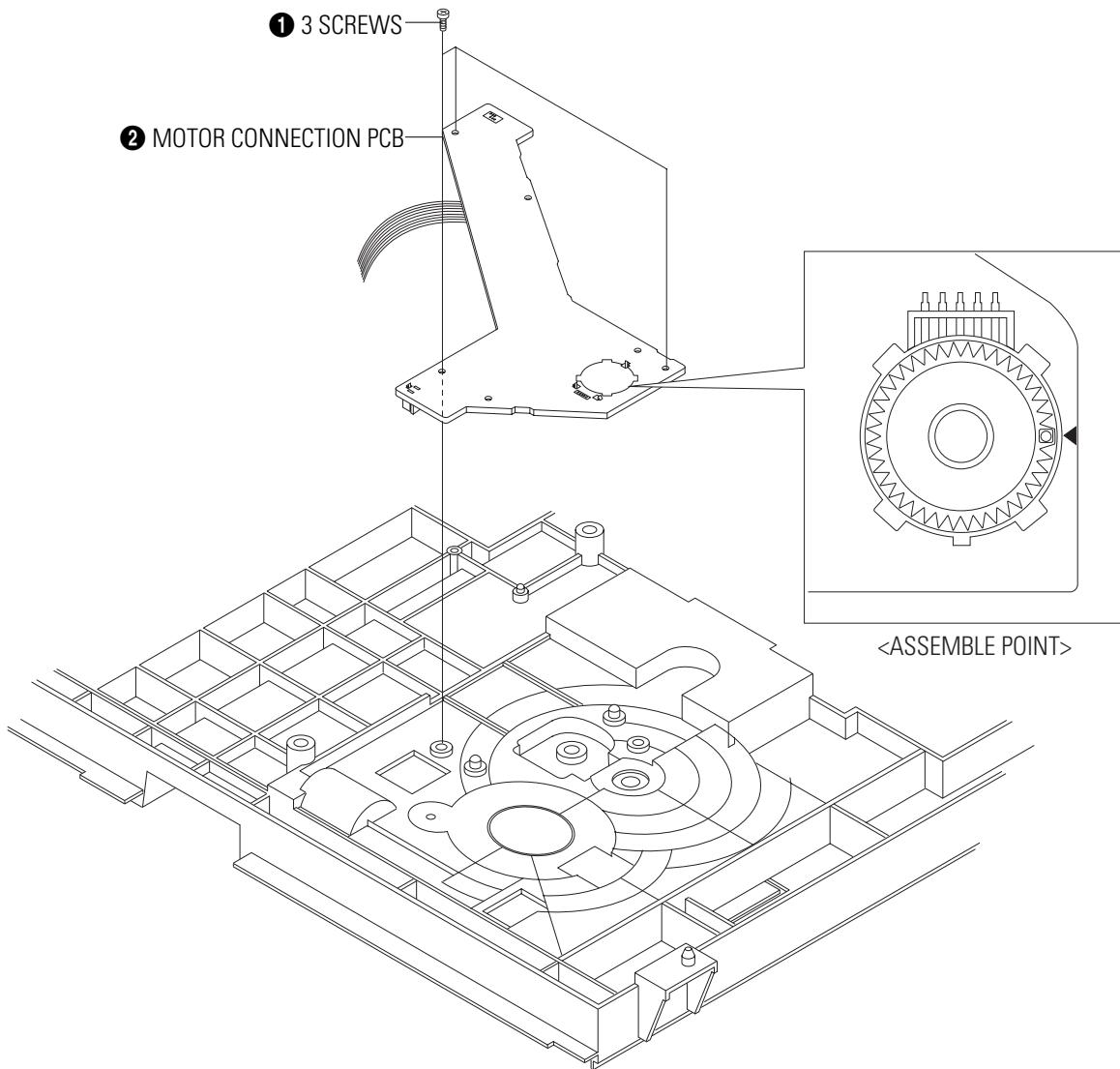


Fig. 2-13 Motor Connection PCB Removal

2-4-7 Chassis Sub Removal

- 1) Remove the Soldering (+, -) ①.
- 2) Disconnect Flat-Cable ②, ③.
- 3) Remove 4 Screws ④ and lift down the Chassis Sub ⑤.

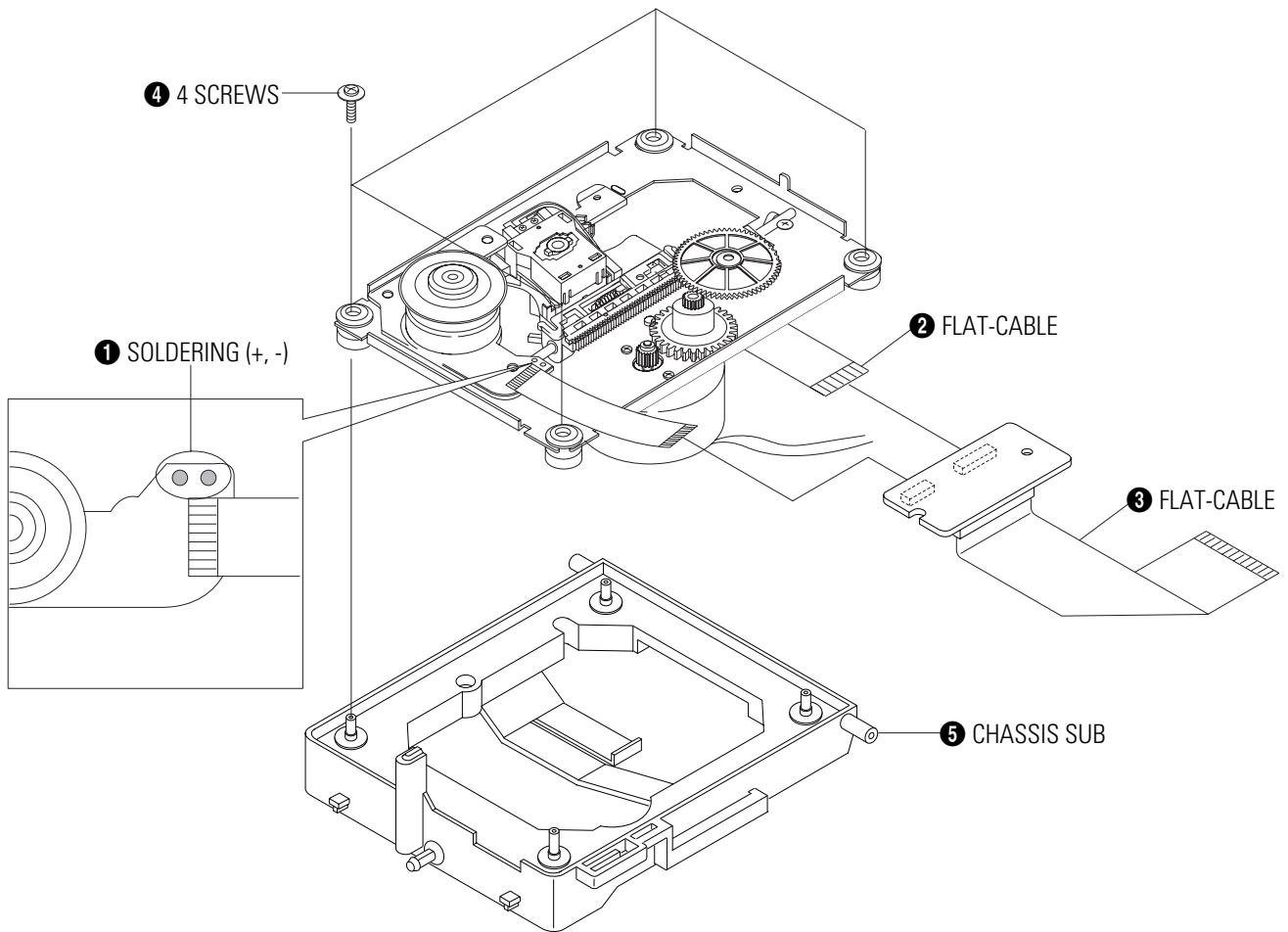
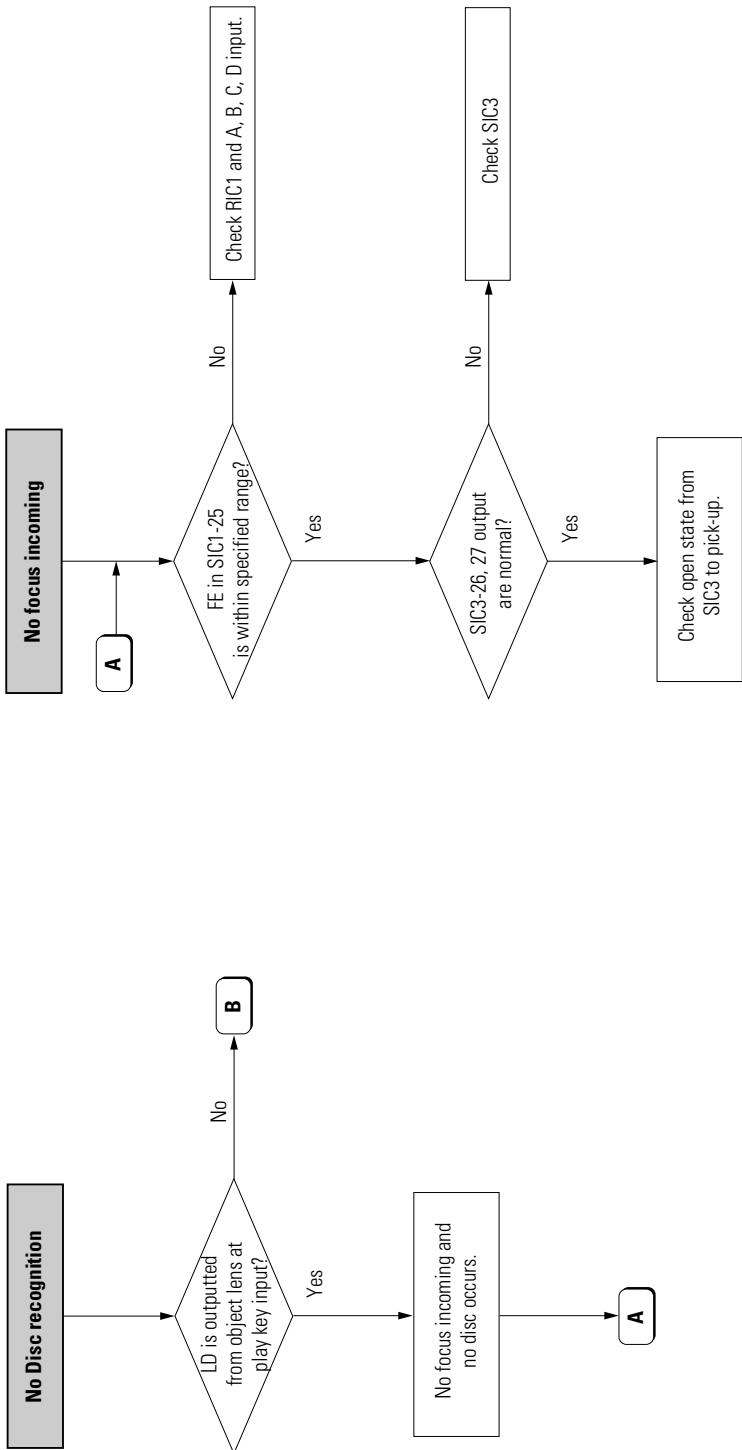
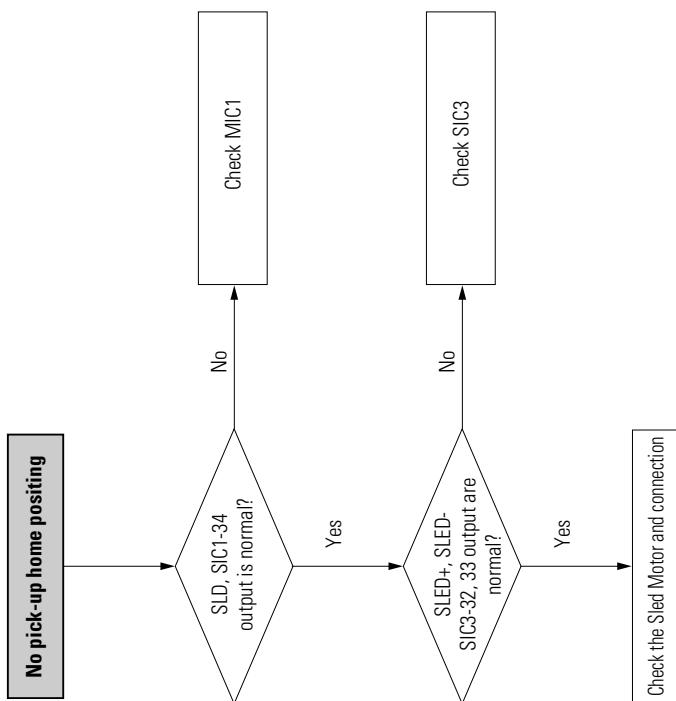
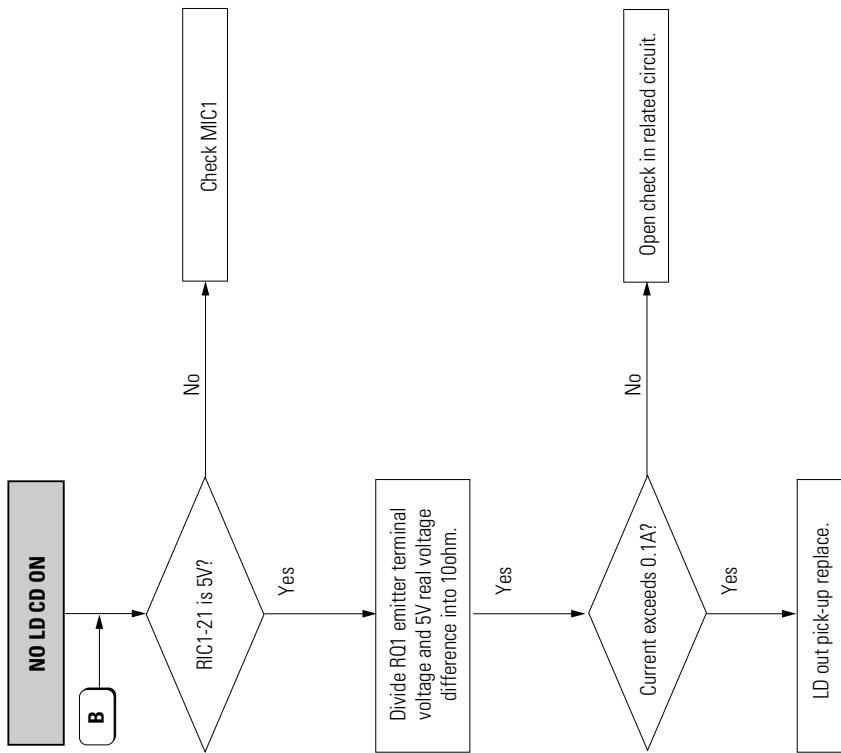
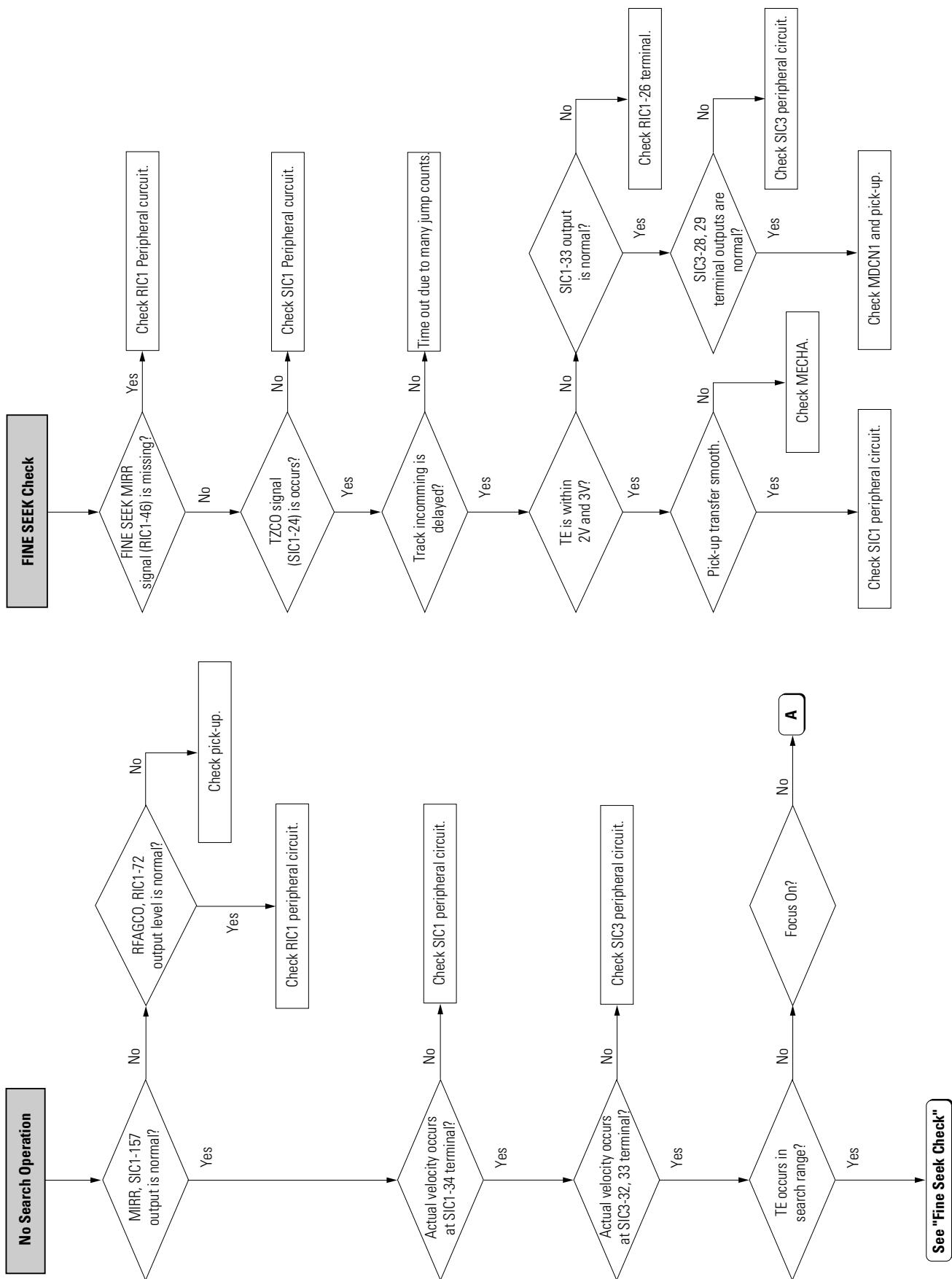


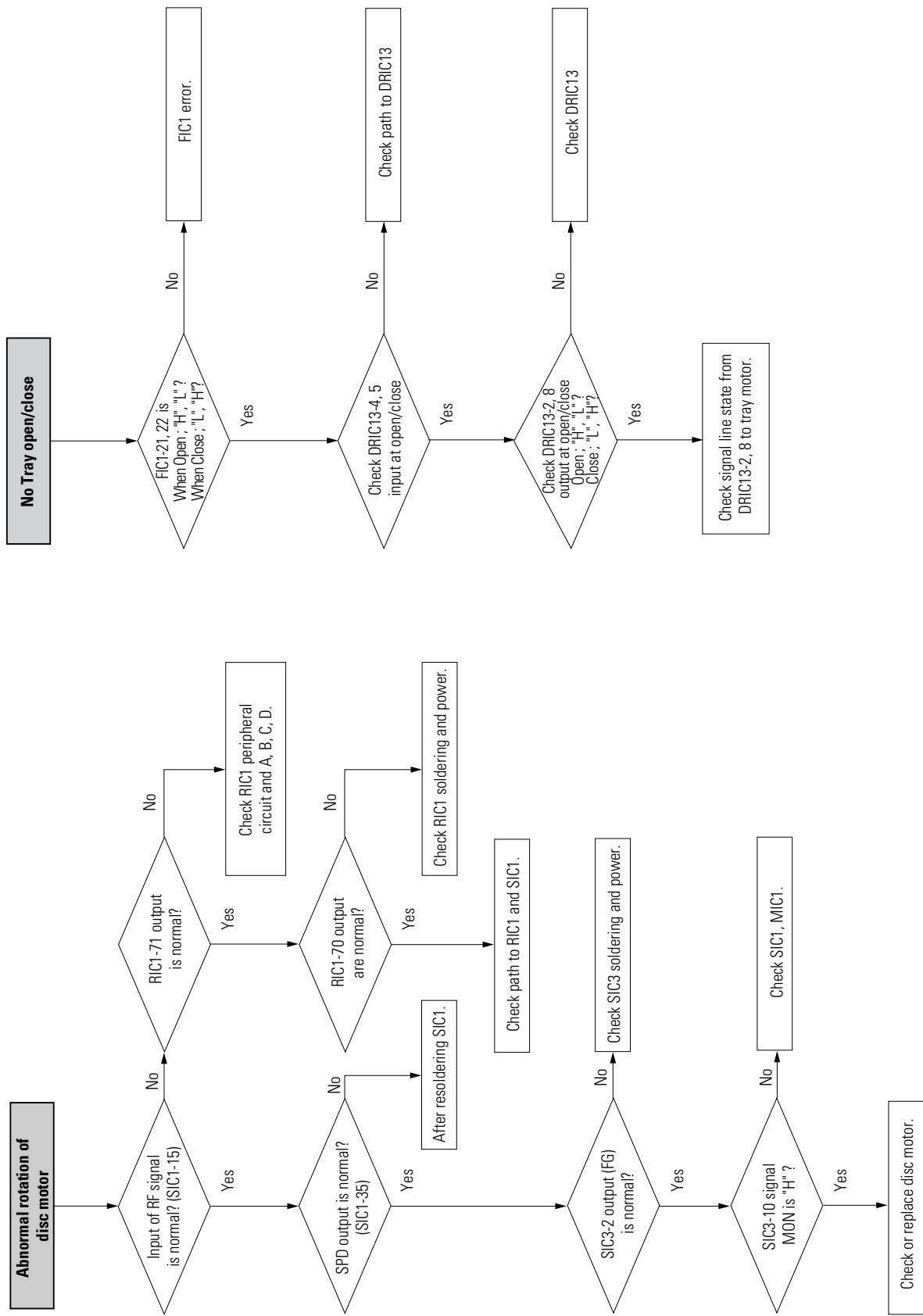
Fig. 2-14 Chassis Sub Removal

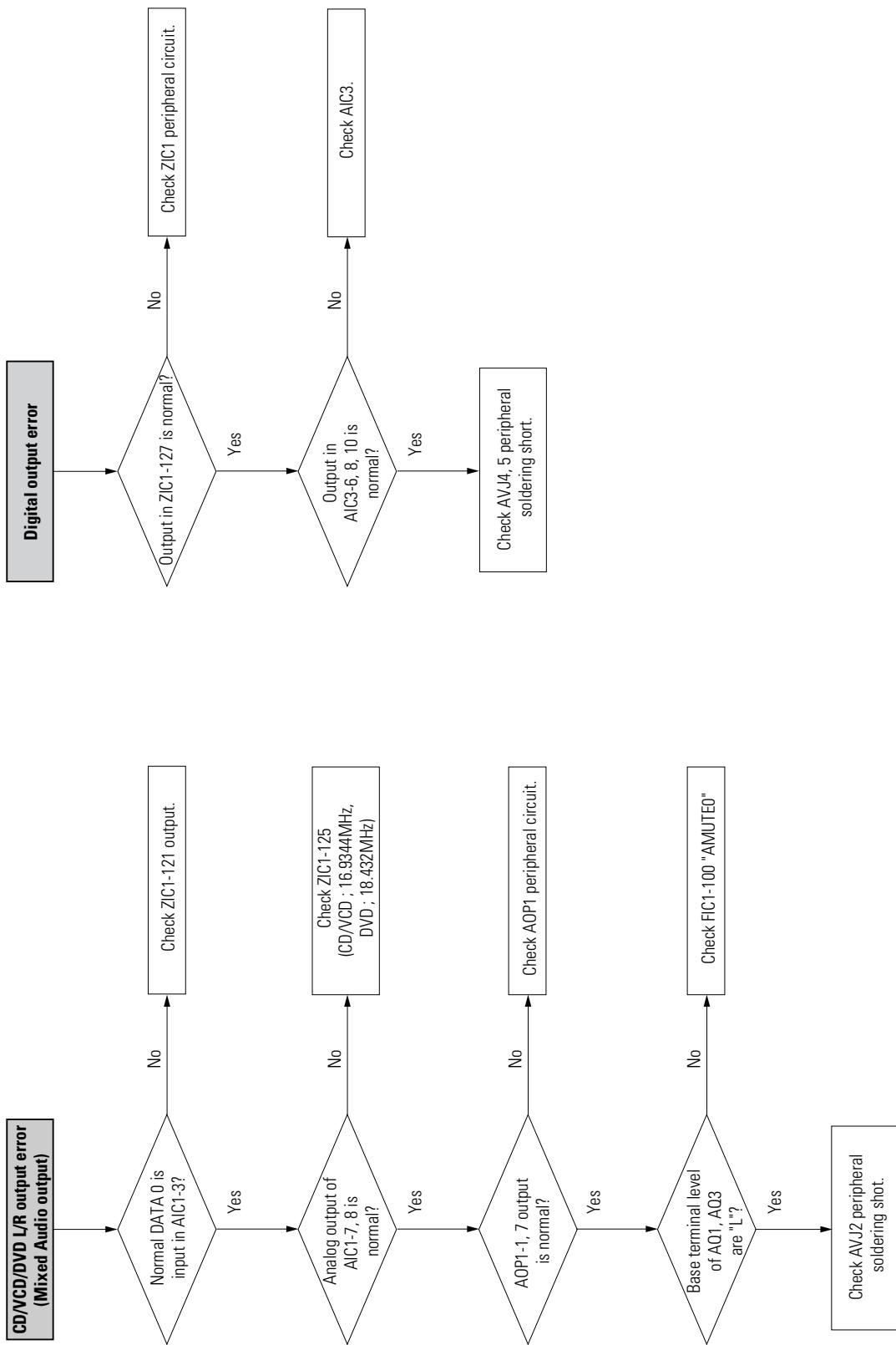
3. Troubleshooting

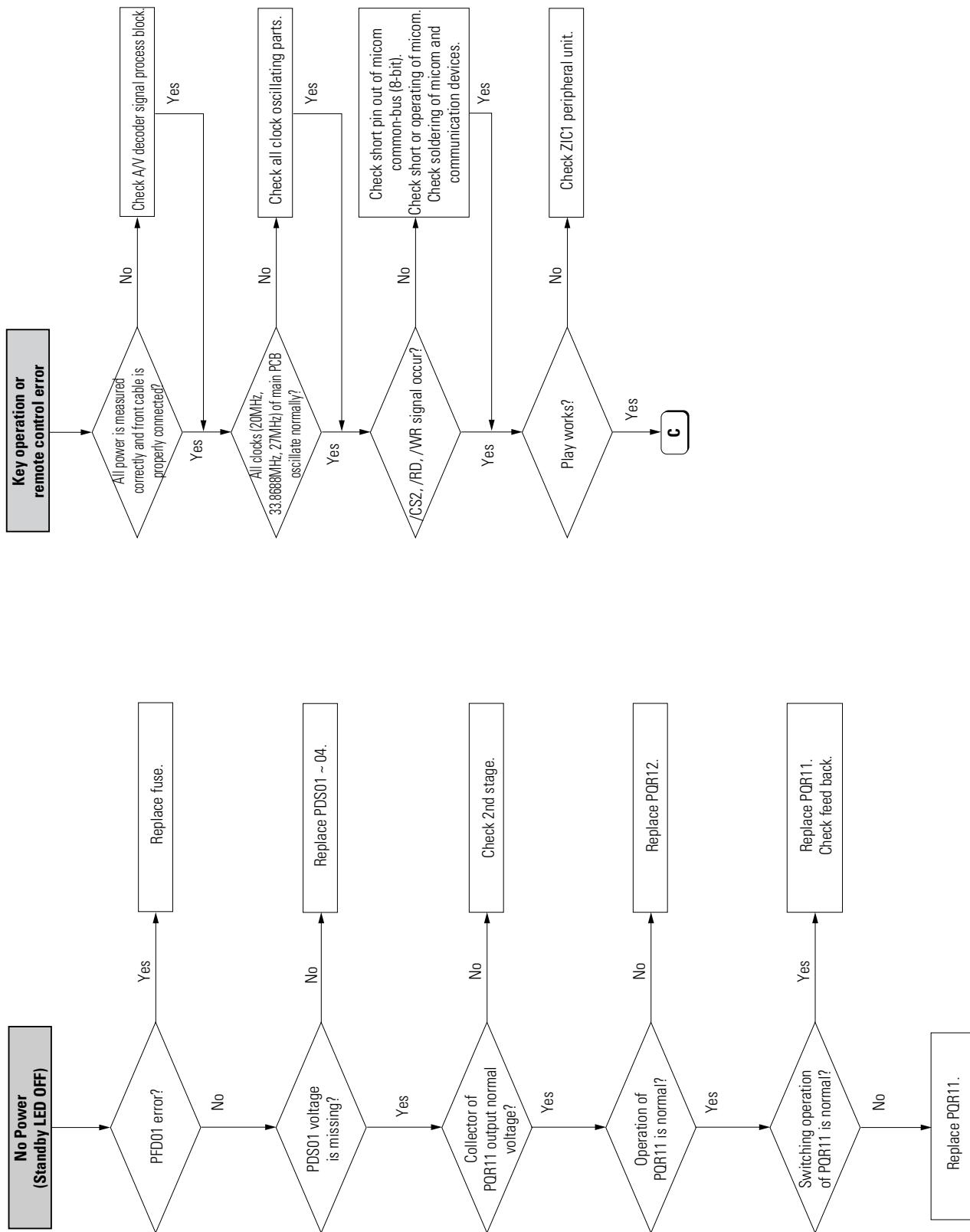


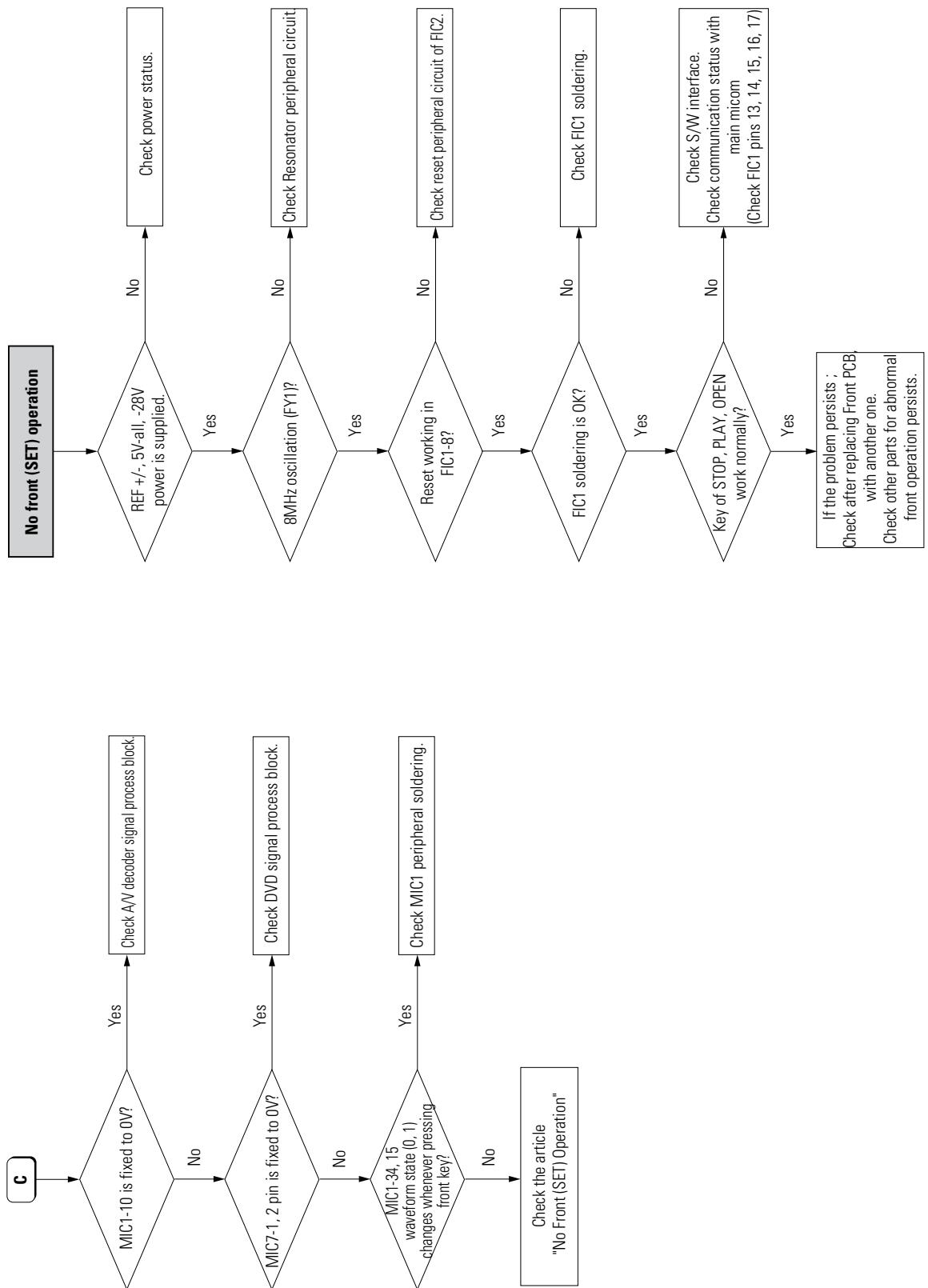


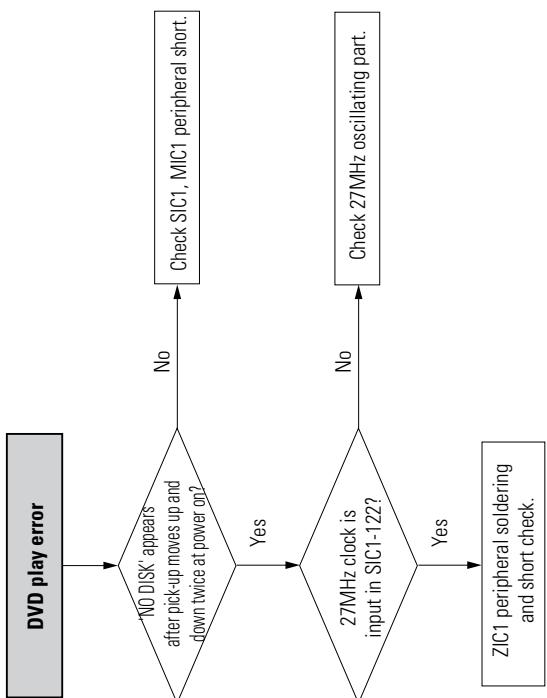
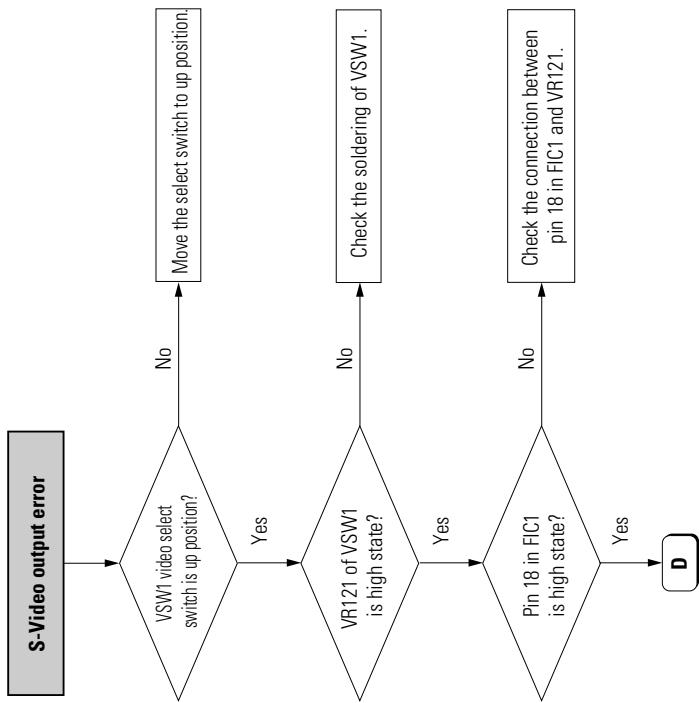


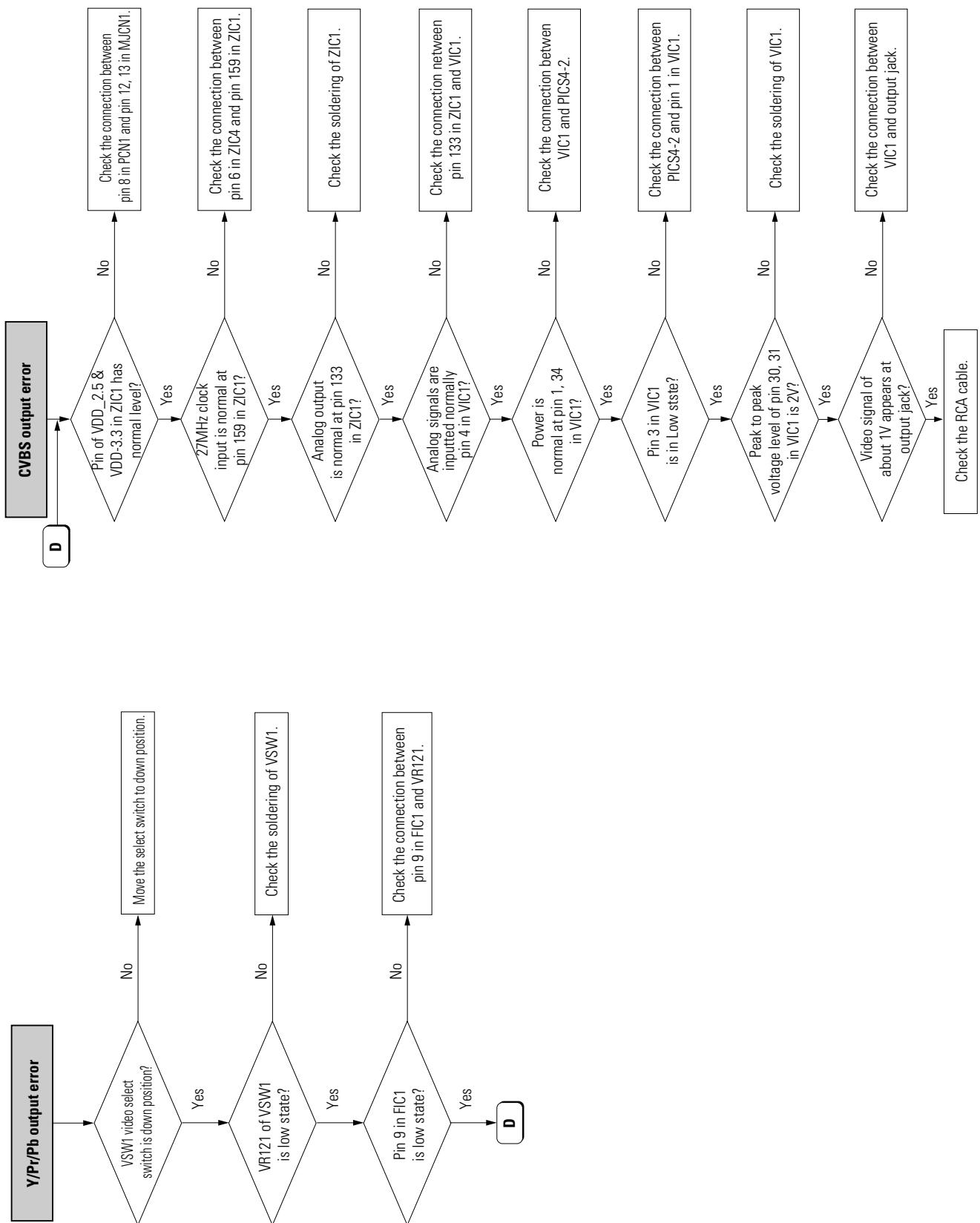












MEMO

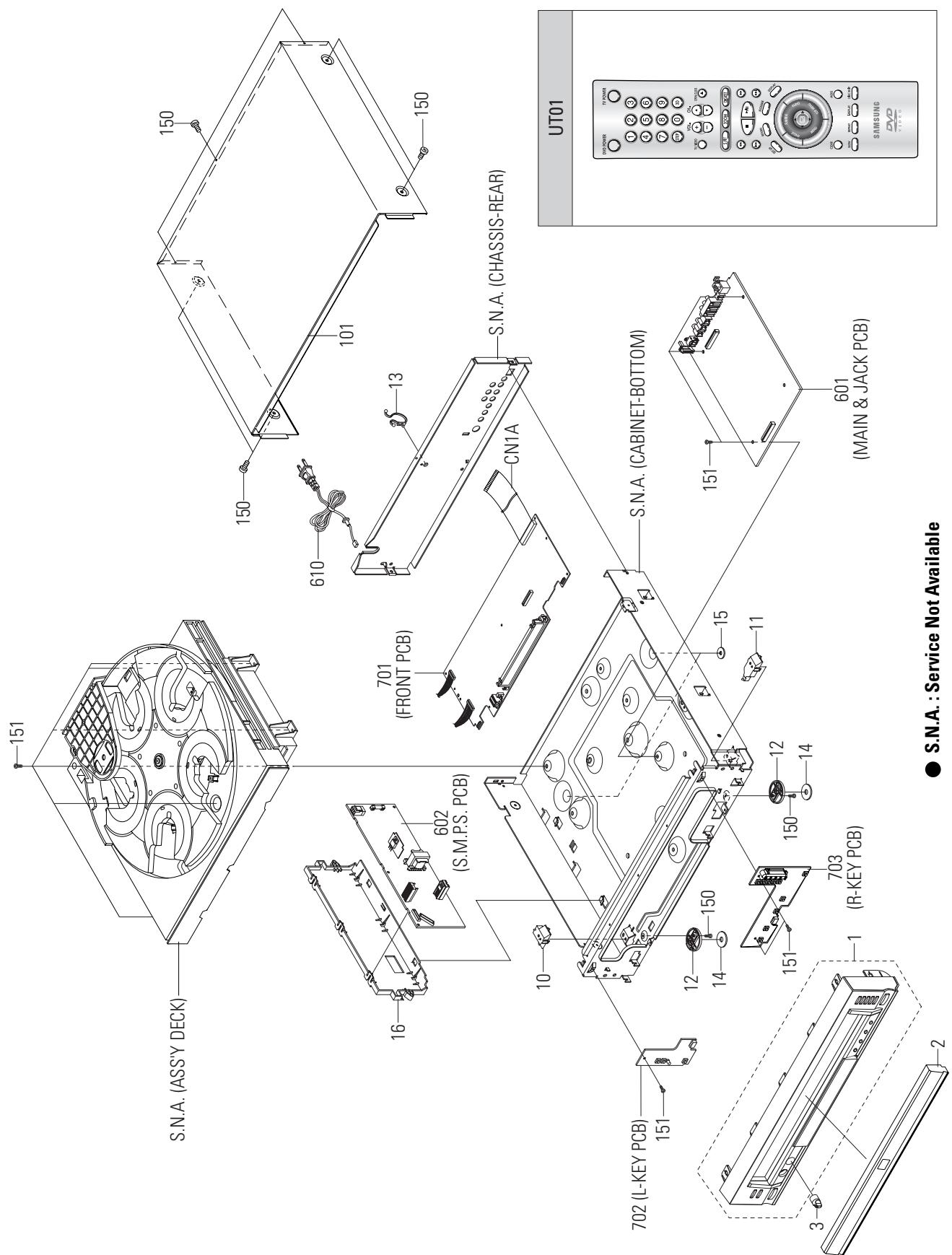
4. Exploded View and Parts List

	Page
4-1 Cabinet Assembly	4-2
4-2 Deck Assembly	4-4

Notice

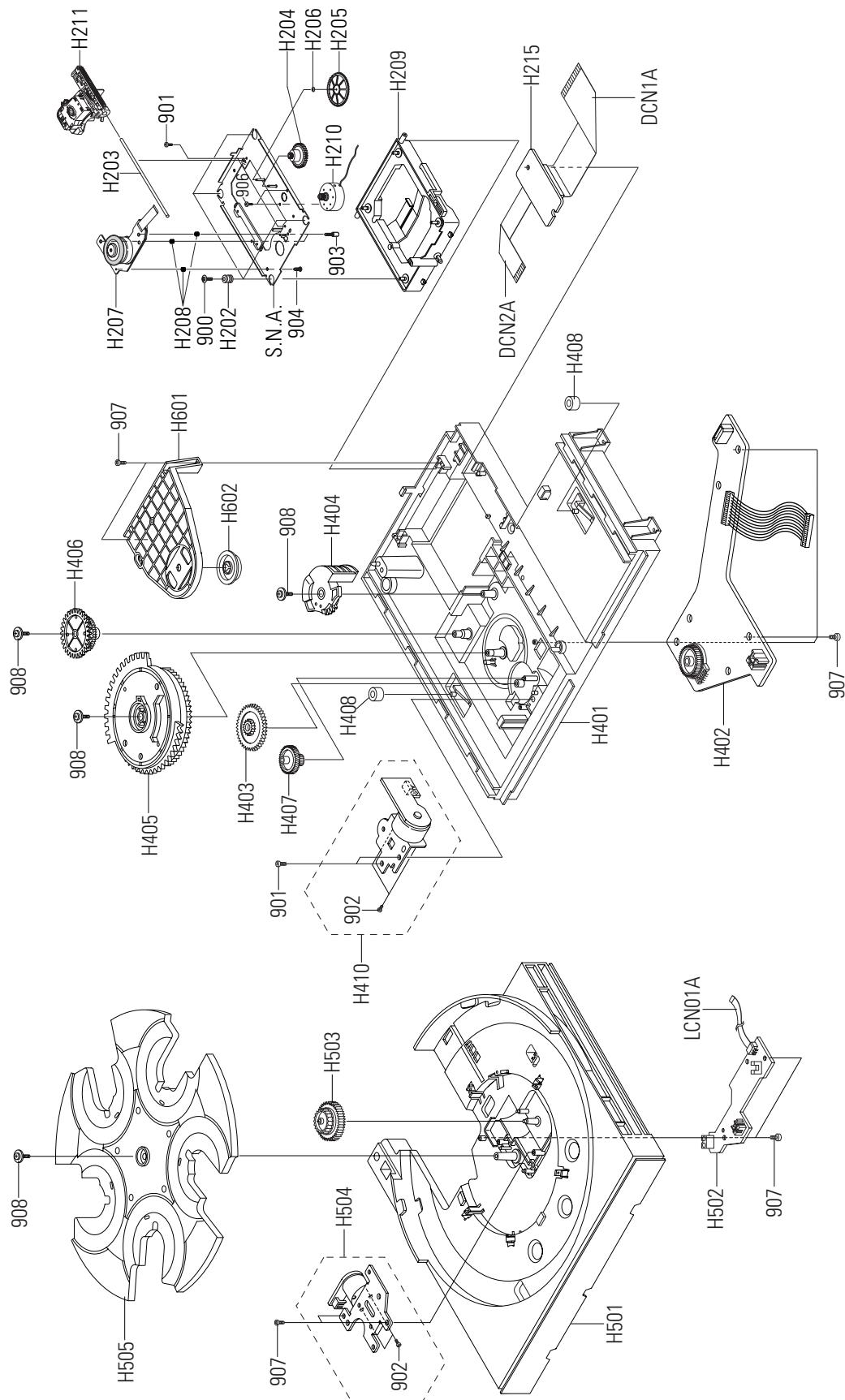
**You can search for the updated part code through ITSELF web site.
URL; <http://itself.sec.samsung.co.kr>**

4-1 Cabinet Assembly



Loc. No	Parts No.	Description ; Specification	Remark
1	AH97-00709G	ASSY FRONT CABINET;ABS94V0,DVD-C621/XAA,	
2	AH97-00710G	ASSY-DOOR TRAY;ASSY,DVD-C621/XAA,-	
10	AH61-00728A	HOLDER-DECK,L;DVD-C601,ABS 94HB,--,GR	
11	AH61-00728B	HOLDER-DECK,R;DVD-C601,ABS 94HB,--,GR	
12	AH61-00744B	LEG-FRONT;DVD-C601/XEF,ABS 94HB, -,SILVER	
13	AH65-00003A	CLAMP CORE;DVD-M101, NYLON 66,--,--	
14	AH69-20372C	CUSHION-FOOT;DVD-811,EVA 60,--,--,--	
15	AH69-20372B	CUSHION-BOTTOM;DVD-811,EVA 60,--,--,--	
16	AH61-00722A	HOLDER-SMPS;DVD-C601,ABS 94V0,BLK,--,--	
101	AH64-01266A	CABINET-TOP;DVD-C601,PCM,0.625t,--,T0.6	
150	6003-000275	SCREW-TAPITITE;BH,+,B,M3,L10,BLK ,SWCH101	
151	6003-000276	SCREW-TAPITITE;BH,+,B,M3,L10,ZPC(YEL),SWC	
601	AH92-01368A	ASSY PCB-MAIN&JACK;DVD-C621/XAA,MAIN & J	
602	AH92-01378A	ASSY PCB-SMPS;DVD-C621,SMPS	
610	AH39-00235A	POWER CORD;--,AWG#18,--,1650°æ20,EP2,S	
701	AH92-01377A	ASSY PCB-FRONT;DVD-C621/XAA,FRONT	
702	AH92-01391A	ASSY PCB-L KEY;DVD-C621,L-KEY	
703	AH92-01390A	ASSY PCB-R KEY;DVD-C621,R-KEY	
CN1A	3809-001180	CABLE-FLAT;30V,-30to+80C,80mm,35P,1.25mm	
UT01	AH59-00093R	REMOCON-ASS'Y;DVD-C621/XAA,--,--,--,-	

4-2 Deck Assembly



Loc. No	Parts No.	Description ; Specification	Remark
900	6003-001157	SCREW-TAPTITE;PWH,+,B,M2,L6,ZPC(YEL),SWR	
901	6001-001522	SCREW-MACHINE;FH,+,M2.6,L7,ZPC(YEL),SWRC	
902	6001-001118	SCREW-MACHINE;PH,+,M2.6,3,NI PLT,SWRCH10	
903	6009-001245	SCREW-SPECIAL;SWRCH18A,NYLOCK,SOCKET,HEX	
904	6001-001196	SCREW-MACHINE;BH,+-,M2,L4,ZPC(YEL),SWRCH	
906	AH60-00010A	SCREW-MACHINE-MOTOR;-,+,SWCH18AK,M1.7,L2	
907	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SM20	
908	6003-001200	SCREW-TAPTITE;PWH,+,B,M3,L12,ZPC(WHT),SW	
H202	AH73-00023C	RUBBER-INSULATOR;DP-7,BUTYL RUBBER,-,10	
H203	AH61-50327A	SHAFT-P/U;DP-3,SUS420J2,L84.7,0D3,-,-,	
H204	AH66-00075A	GEAR-FEED A;-,POM M90-44,-,-,-,-,-,-	
H205	AH66-00170A	GEAR-FEED B;DP-7S,POM M90-44,0.5,14,-,-	
H206	AC60-30306A	WASHER-SLIT;-,ID2.1,OD5.0,T0.5,-,POLYS	
H207	AH31-00022A	MOTOR-SPINDLE ASSY;RSM-2610D,DP-7,-,-,-	
H208	AH61-00403A	SPRING ETC-SPINDLE;DP-5,SWPB,PI4.9,-,-,-	
H209	AH61-00714A	CHASSIS-SUB;DP-8,ABS GR-4020,BLK,-,-,-	
H210	AH31-00016A	MOTOR-FEED ASSY;-,DP-5,-,-	
H211	AH97-00900A	ASSY-PICK-UP;-,SOH-DS2,ASSY-PICK-UP	
H215	AH92-01435A	ASSY PCB-DECK 1LD;DVD-C621,SELLINO DECK	
H401	AH61-00708A	FRAME-MAIN;DP-8,ABS HF-380,-,-,BLK,-,-,-	
H402	AH97-00735A	ASSY-PCB DECK;DP-8,DECK,-	
H403	AH66-00147A	GEAR-LOAD;DP-8,POM M90-44,-,-,-,NAT,-,-	
H404	AH66-00149A	GEAR-LIFT;DP-8,POM M90-44,-,-,-,-,-,-	
H405	AH66-00148A	GEAR-CAM;DP-8,POM M90-44,-,-,-,NAT,-,-	
H406	AH66-00150A	GEAR-TRAY;DP-8,POM M90-44,-,-,-,-,-,-	
H407	AH66-00146A	GEAR-WORM WHEEL;DP-8,POM SW-01,-,-,-,NAT	
H408	AH73-00030A	RUBBER-PROTECT;DP-8,CR ,OD12*ID5.7,H=25,	
H410	AH31-00026A	MOTOR-LOAD ASSY;SECC+POM+MOTOR,DP-8,-,-	
H501	AH66-00143A	TRAY-DISC;DP-8,ABS HR-0370F/XR-401,-,-,-	
H502	AH97-00737A	ASSY-PCB SENSOR;DP-8,SENSOR,-	
H503	AH66-00153A	GEAR-ROULETTE;DP-8,POM SW-01,-,-,-,-,-	
H504	AH31-00028A	MOTOR-ROU ASSY;SECC+POM+MOTOR,DP-8,-,-,-	
H505	AH66-00144A	TRAY-ROULETTE;DP-8,ABS HR-0370F/XR-401,-	
H601	AH61-00713A	HOLDER-CHUCK;DP-8,ABS GR-4020,-,-,-,BLK,	
H602	AH66-00156A	CLAMPER-ASSY;DP-8,POM+MAGNET,-,-,-,-,-	
LCN01A	3809-001152	CABLE-FLAT;30V,-20to+80C,200mm,6P1.25mm	
DCN1A	3809-001258	CABLE-FLAT;30V,-20TO+80C,190MM,35P1.25M	
DCN2A	3809-001318	CABLE-FLAT;30V,80C,180MM,24P,1MM,UL20696	

MEMO

5. Electrical Parts List

Loc.No	Part No	Description ; Specification	Remark	Loc.No	Part No	Description ; Specification	Remark
601	AH92-01368A	ASSY PCB-MAIN&JACK,DVD-C621/XAA,MAIN & J		AR201	2007-000076	R-CHIP,330ohm,5%,1/16W,DA,TP,1608	
AC1	2203-000491	C-CERAMIC,CHIP,2.2nF,10%,50V,X7R,TP,1608		AR202	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
AC10	2203-005148	C-CERAMIC,CHIP,100nF,10%,16V,X7R,TP,1608		AR203	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AC11	2203-000315	C-CERAMIC,CHIP,0.12nF,5%,50V,NP0,TP,1608		AR24	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AC12	2203-000315	C-CERAMIC,CHIP,0.12nF,5%,50V,NP0,TP,1608		AR25	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AC13	2203-000315	C-CERAMIC,CHIP,0.12nF,5%,50V,NP0,TP,1608		AR26	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
AC14	2203-000315	C-CERAMIC,CHIP,0.12nF,5%,50V,NP0,TP,1608		AR3	2007-001179	R-CHIP,8.2Kohm,5%,1/16W,DA,TP,1608	
AC16	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608		AR38	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AC2	2203-001640	C-CERAMIC,CHIP,0.39nF,10%,50V,X7R,TP,160		AR39	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AC201	2203-005148	C-CERAMIC,CHIP,100nF,10%,16V,X7R,TP,1608		AR4	2007-000090	R-CHIP,10KOHM,5%,1/16W,DA,TP,1608	
AC202	2203-005148	C-CERAMIC,CHIP,100nF,10%,16V,X7R,TP,1608		AR40	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
AC203	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608		AR5	2007-001179	R-CHIP,8.2Kohm,5%,1/16W,DA,TP,1608	
AC3	2203-000491	C-CERAMIC,CHIP,2.2nF,10%,50V,X7R,TP,1608		AR51	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
AC4	2203-001640	C-CERAMIC,CHIP,0.39nF,10%,50V,X7R,TP,160		AR54	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
AC5	2203-000125	C-CERAMIC,CHIP,1.2nF,10%,50V,X7R,TP,1608		AR55	2007-000102	R-CHIP,100Kohm,5%,1/16W,DA,TP,1608	
AC6	2203-000125	C-CERAMIC,CHIP,1.2nF,10%,50V,X7R,TP,1608		AR56	2007-000077	R-CHIP,470ohm,5%,1/16W,DA,TP,1608	
AC7	2203-000125	C-CERAMIC,CHIP,1.2nF,10%,50V,X7R,TP,1608		AR6	2007-000090	R-CHIP,10KOHM,5%,1/16W,DA,TP,1608	
AC8	2203-000125	C-CERAMIC,CHIP,1.2nF,10%,50V,X7R,TP,1608		AR7	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
AC9	2203-005148	C-CERAMIC,CHIP,100nF,10%,16V,X7R,TP,1608		AR8	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ACC1	2203-001607	C-CERAMIC,CHIP,0.22nF,5%,50V,NP0,TP,1608		AR9	2007-000092	R-CHIP,15Kohm,5%,1/16W,DA,TP,1608	
ACC2	2203-001607	C-CERAMIC,CHIP,0.22nF,5%,50V,NP0,TP,1608		AVJ1	3722-001567	JACK-PIN;3P;3.5mm,NI,GRN/BLU/RED,-	
ACC3	2203-001607	C-CERAMIC,CHIP,0.22nF,5%,50V,NP0,TP,1608		AVJ2	3722-001464	JACK-PIN;6P;3.2mm,NI,BLK,-	
ACC4	2203-001607	C-CERAMIC,CHIP,0.22nF,5%,50V,NP0,TP,1608		AVJ4	3722-001053	JACK-PIN;1P;3.2mm,NI,BLK,-	
AD1	0407-000114	DIODE-ARRAY:DAN202K,80V,100mA,CA2-3,SOT-		AVJ5	3707-001052	CONNECTOR-OPTICAL-PLUG,GP1FA550TZ,6dB,2.	
AD2	0407-000114	DIODE-ARRAY:DAN202K,80V,100mA,CA2-3,SOT-		DC1	2203-005148	C-CERAMIC,CHIP,100nF,10%,16V,X7R,TP,1608	
AD51	0407-000114	DIODE-ARRAY:DAN202K,80V,100mA,CA2-3,SOT-		DC2	2203-005148	C-CERAMIC,CHIP,100nF,10%,16V,X7R,TP,1608	
AD54	0401-000008	DIODE-SWITCHING:DAN217,80V,100mA,SOT-23,		DD1	0407-000116	DIODE-ARRAY:DAP202K,80V,100mA,CK2-3,SOT-	
AE1	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5		DQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AE2	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5		DQ2	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AE201	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5		DQ3	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AE21	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5		DR1	2007-000090	R-CHIP,10KOHM,5%,1/16W,DA,TP,1608	
AE22	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5		DR2	2007-000090	R-CHIP,10KOHM,5%,1/16W,DA,TP,1608	
AE3	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5		DR3	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AE4	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5		DR4	2007-000090	R-CHIP,10KOHM,5%,1/16W,DA,TP,1608	
AE5	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5		DR5	2007-000090	R-CHIP,10KOHM,5%,1/16W,DA,TP,1608	
AE51	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5		DR6	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AE52	2401-000010	C-AL;220uF,20%,16V,GP,-6.3x11mm,2.		H3	2203-005148	C-CERAMIC,CHIP,100nF,10%,16V,X7R,TP,1608	
AE6	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5		HC4	2203-005148	C-CERAMIC,CHIP,100nF,10%,16V,X7R,TP,1608	
AE7	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5		HE3	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5,5	
AIC1	1002-001294	IC-D/A CONVERTER;PCM1742KE,24BIT,TSSOP,1		HE4	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5,5	
AIC3	AH14-10004R	IC;M74HCU04,SOP,TAPE 14P		HOP2	1201-000163	IC-OP AMP;4560,SOP8P;173MIL,DUAL,100V/m	
AL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		HR10	2007-000102	R-CHIP,100Kohm,5%,1/16W,DA,TP,1608	
AL2	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		HR11	2007-000070	R-CHIP,0ohm,5%,1/16W,DA,TP,1608	
AL201	2901-001125	FILTER-EMI ON BOARD;50V,0.5A,-,220pF,7x2		HR12	2007-000070	R-CHIP,0ohm,5%,1/16W,DA,TP,1608	
AL3	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		HR15	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AL4	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		HR16	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608	
AL5	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		HR9	2007-000102	R-CHIP,100Kohm,5%,1/16W,DA,TP,1608	
AL6	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		KHR1	2007-000070	R-CHIP,0ohm,5%,1/16W,DA,TP,1608	
AL7	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		KHR2	2007-000070	R-CHIP,0ohm,5%,1/16W,DA,TP,1608	
AOP1	1201-000163	IC-OP AMP;4560,SOP8P;173MIL,DUAL,100V/m		MC1	2203-00257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-		MC11	2203-000626	C-CERAMIC,CHIP,0.022nF,5%,50V,NP0,TP,160	
AQ3	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-		MC12	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AQ4	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP		MC13	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AQ5	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT		MC14	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AQ51	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP		MC15	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AQ52	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT		MC16	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AQ55	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,		MC17	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AQ6	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP		MC2	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AQ7	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT		MC20	2203-000257	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,1608	
AR10	2007-000092	R-CHIP,15Kohm,5%,1/16W,DA,TP,1608		MC3	2203-000626	C-CERAMIC,CHIP,0.022nF,5%,50V,NP0,TP,160	
AR13	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608		MC4	2203-000426	C-CERAMIC,CHIP,0.018nF,5%,50V,NP0,TP,160	
AR14	2007-000075	R-CHIP,220ohm,5%,1/16W,DA,TP,1608		MC5	2203-000426	C-CERAMIC,CHIP,0.018nF,5%,50V,NP0,TP,160	

Loc.No	Part No	Description ; Specification	Remark	Loc.No	Part No	Description ; Specification	Remark
MC6	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		RC30	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
MC7	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160		RC31	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
MC8	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		RC32	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MC9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		RC33	2203-005065	C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP	
MDCN1	3708-001364	CONNECTOR-FPC/FFC/PIC,35P,1.25MM,STRAIGH		RC34	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
ME1	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5		RC35	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MIC1	0903-001271	IC-MICROCONTROLLER,91C829,16BIT,QFP,100P		RC37	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
MIC2	1102-001090	IC-EPROM;27C081,1MX8BIT,DIP,32P,600ML		RC38	2203-000140	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1608	
MIC2B	3704-000472	SOCKET-IC,32PDIP,SN,2.54mm		RC4	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MIC3	1106-001033	IC-SRAM;24257,32Kx8BIT,SOP,28P,330MIL,		RC41	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MIC4	1103-001204	IC-EEPROM;24C021,256x8Bit,SOP,8P,150MIL,		RC5	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MIC5	0801-002097	IC-CMOS LOGIC;7S708 AND GATE,SCP,5P,110M		RC50	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
MIC6	0801-002143	IC-CMOS LOGIC;7S32,OR GATE,SOP,5P,63M		RC6	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MIC7	0801-002517	IC-CMOS LOGIC;7SET00,NAND GATE,SOP,5P,63		RC7	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MJCN1	3708-001364	CONNECTOR-FPC/FFC/PIC,35P,1.25MM,STRAIGH		RC8	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
ML1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		RE1	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5	
MR1	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		RE10	2401-000913	C-AL;22uF,20%,16V,GP,TP,5x11.5	
MR10	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		RE12	2401-000913	C-AL;22uF,20%,16V,GP,TP,5x11.5	
MR11	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		RE13	2401-000414	C-AL;10uF,20%,16V,X7R,TP,4x7.5	
MR13	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		RE14	2401-000414	C-AL;10uF,20%,16V,X7R,TP,4x7.5	
MR18	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		RE22	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5	
MR2	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		RE29	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5	
MR21	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608		RE39	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5	
MR23	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		RE40	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5	
MR25	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		RE41	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5	
MR28	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608		RIC1	AH13-00009A	IC ASIC;KS1462B,DVD-M201/XAA,80,+5V,-4	
MR29	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		RL11	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
MR3	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		RL3	2703-000398	INDUCTOR-SMD;10uh,10%,3.2x2.5x2.2mm	
MR30	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		RQ1	0501-000279	TR-SMALL SIGNAL;KSA118Z-Y,PNP,150mW,SOT-	
MR31	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608		RQ2	0501-000279	TR-SMALL SIGNAL;KSA118Z-Y,PNP,150mW,SOT-	
MR32	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608		RR1	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
MR33	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608		RR10	2007-000312	R-CHIP;100HM,5%,1/8W,DA,TP,3216	
MR4	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		RR12	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
MR6	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		RR13	2007-000102	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
MR7	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		RR14	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
MR8	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		RR15	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR9	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		RR16	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
MY1	2802-000122	RESONATOR-CERAMIC,20MHz,0.5%,TP,10.0x5.0		RR2	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
PC1	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		RR21	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
PC2	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		RR22	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
PC4	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		RR23	2007-000655	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
PC5	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		RR24	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
PC6	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608		RR26	2007-000102	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
PE1	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5		RR3	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
PE2	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5		RR32	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
PE4	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5		RR33	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
PE5	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5		RR34	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
PE6	2401-000665	C-AL;2.2uF,20%,50V,GP,TP,3.5x5.5		RR36	2007-001235	R-CHIP;910Kohm,5%,1/16W,DA,TP,1608	
PE7	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7.5		RR4	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
PE8	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5		RR6	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
PIC1	1203-002178	IC-VOLTAGE REGULATOR;1563,SOP,7P,173MIL,		RR7	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RC1	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,		RR8	2007-000312	R-CHIP;100HM,5%,1/8W,DA,TP,3216	
RC14A	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		RR9	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RC15	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC10	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
RC16	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC11	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
RC17	2203-000975	C-CERAMIC,CHIP;47nf,10%,25V,X7R,TP,1608,		SC12	2203-000140	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1608	
RC18	2203-000975	C-CERAMIC,CHIP;47nf,10%,25V,X7R,TP,1608,		SC13	2203-001652	C-CERAMIC,CHIP;470nF,+80-20%,16V,Y5V,TP,	
RC19	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,		SC14	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
RC2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC15	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC20	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608		SC16	2203-002398	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,1608	
RC21	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,		SC17	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC22	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC18	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC23	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC19	2203-002398	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,1608	
RC24	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC26	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC20	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC27	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC21	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC3	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SC23	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	

Loc.No	Part No	Description : Specification	Remark	Loc.No	Part No	Description : Specification	Remark
SC24	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608		SR23	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
SC25	2203-000372	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,		SR24	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
SC26	2203-000372	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,		SR25	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
SC27	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR26	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
SC28	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR27	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
SC29	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR29	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
SC30	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR3	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
SC32	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR30	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
SC33	2203-000681	C-CERAMIC,CHIP;0.027nF5%,50VNPO,TP,160		SR31	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
SC34	2203-000681	C-CERAMIC,CHIP;0.027nF5%,50VNPO,TP,160		SR32	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
SC35	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR4	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
SC36	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR40	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
SC37	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR44	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
SC38	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR48	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
SC39	2203-000626	C-CERAMIC,CHIP;0.022nF5%,50VNPO,TP,160		SR49	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SC40	2203-000626	C-CERAMIC,CHIP;0.022nF5%,50VNPO,TP,160		SR50	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SC41	2203-000626	C-CERAMIC,CHIP;0.022nF5%,50VNPO,TP,160		SR51	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SC42	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR55	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SC43	2203-000626	C-CERAMIC,CHIP;0.022nF5%,50VNPO,TP,160		SR56	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SC44	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR57	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
SC45	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR58	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
SC46	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR59	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
SC47	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR60	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
SC48	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		SR61	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
SC49	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR67	2007-000034	R-CHIP;10HM,5%,1/4W,DA,TP,3216	
SC50	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR68	2007-000034	R-CHIP;10HM,5%,1/4W,DA,TP,3216	
SC51	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR69	2007-000655	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
SC52	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR75	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
SC54	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608		SR76	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
SC55	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR77	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
SC56	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR79	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
SC57	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR8	2007-000799	R-CHIP;360ohm,5%,1/16W,DA,TP,1608	
SC58	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SR9	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
SC59	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SVJ1	3722-001375	JACK-DIN4P..N.I.BLK.-	
SC60	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		SY1	2801-000261	CRYSTAL-UNIT;33.8688MHz,50ppm,28-AAA,12p	
SC61	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		VC1	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC62	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		VC106	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC63	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		VC11	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC7	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608		VC12	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC8	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		VC2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC9	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		VC4	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC90	2203-00975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,		VC6	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SE1	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5		VCC1	2203-001607	C-CERAMIC,CHIP;0.22nF5%,50VNPO,TP,1608	
SE10	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11.5		VCC2	2203-001607	C-CERAMIC,CHIP;0.22nF5%,50VNPO,TP,1608	
SE11	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5		VCC3	2203-001607	C-CERAMIC,CHIP;0.22nF5%,50VNPO,TP,1608	
SE2	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5		VCC4	2203-001607	C-CERAMIC,CHIP;0.22nF5%,50VNPO,TP,1608	
SE3	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5		VCC5	2203-001607	C-CERAMIC,CHIP;0.22nF5%,50VNPO,TP,1608	
SE4	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5		VCC6	2203-001607	C-CERAMIC,CHIP;0.22nF5%,50VNPO,TP,1608	
SE6	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5.5		VCC7	2203-001607	C-CERAMIC,CHIP;0.22nF5%,50VNPO,TP,1608	
SE7	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5.5		VE1	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SE8	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5.5		VE10	2401-001479	C-AL;470uF,20%,10V,GP,TP,-	
SE9	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7.5		VE11	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5.5	
SIC1	AH13-00006A	IC ASIC;KS1454,DVD-611,XAA,160,+3.3V,+/-		VE12	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11.5	
SIC2	1105-001243	IC-DRAM;416C256,256KX16BIT,SOJ,40P,400		VE14	2401-001479	C-AL;470uF,20%,10V,GP,TP,-	
SIC3	1003-001298	IC-MOTOR DRIVER;KA3017,HOFP,48P,550MIL,1		VE2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SIC4	0801-002097	IC-CMOS LOGIC;7ST08,AND GATE,SOP,5P,110M		VE3	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		VE4	2401-002003	C-AL;100uF,20%,10V,GP,TP,6.3x11.2,5	
SL2	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm		VE6	2401-002003	C-AL;100uF,20%,10V,GP,TP,6.3x11.2,5	
SQ1	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT		VE8	2401-001479	C-AL;470uF,20%,10V,GP,TP,-	
SR1	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608		VIC1	1201-001836	IC-VIDEO AMP;MM1567AJBE,SOP,34P,300MIL,-	
SR14	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		VL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
SR15	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608		VR1	2104-001068	VR-SMD;10Kohm,25%,1/20V,TOP	
SR16	2007-000133	R-CHIP;330Kohm,5%,1/16W,DA,TP,1608		VR10	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
SR18	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608		VR11	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
SR19	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608		VR12	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
SR20	2007-001235	R-CHIP;910Kohm,5%,1/16W,DA,TP,1608		VR121	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
SR21	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608		VR13	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	

Electrical Parts List

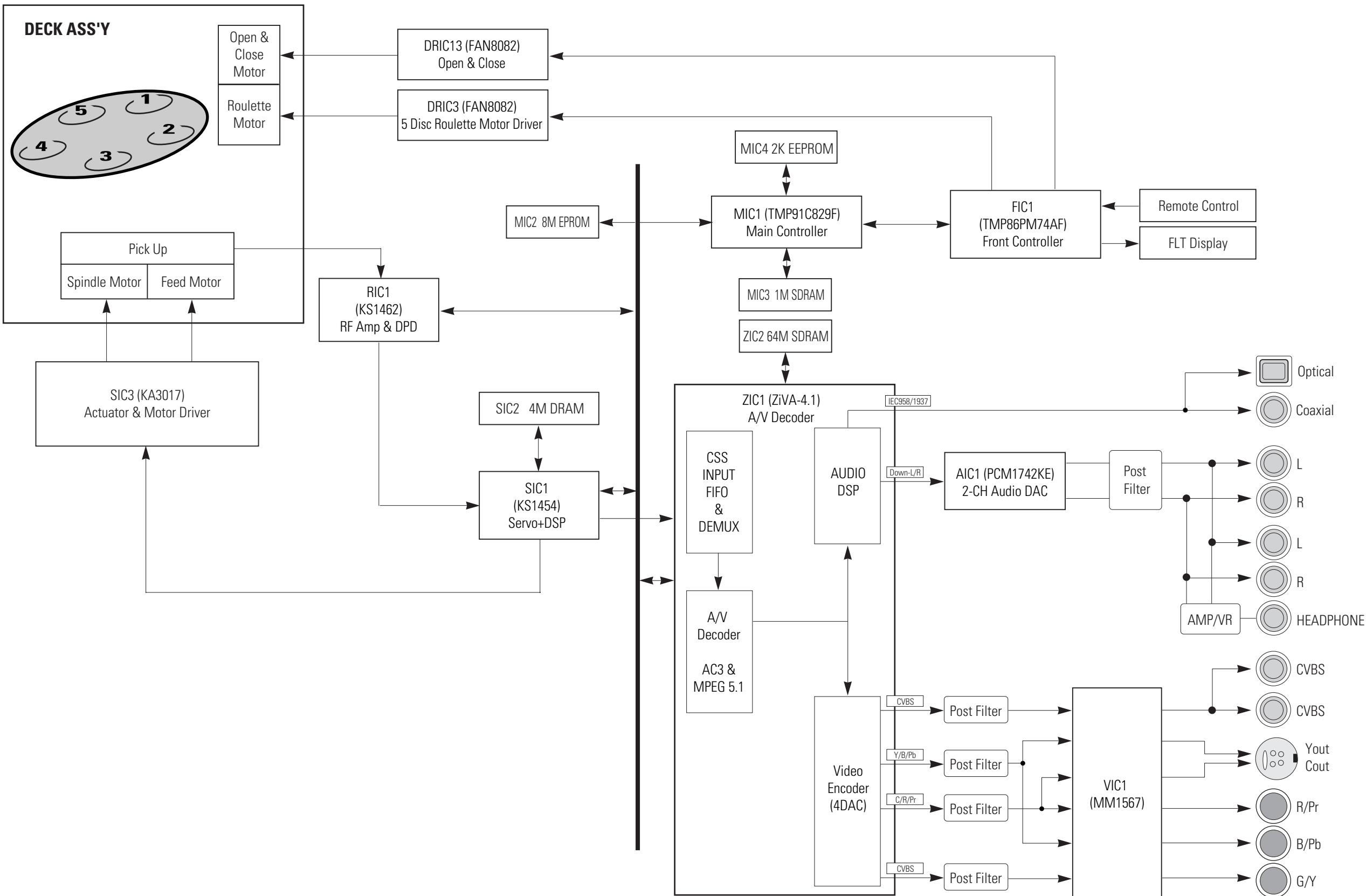
Loc.No	Part No	Description ; Specification	Remark	Loc.No	Part No	Description ; Specification	Remark
VR14	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608		ZC81	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
VR15	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608		ZC82	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
VR16	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608		ZC83	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
VR21	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608		ZC84	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
VR22	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608		ZC9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
VSW1	AH34-00010A	SWITCH SLIDE;-50V DC,-,100MOHM,-,-,		ZD1	0402-00309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
VZD1	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZE30	2401-002165	C-AL;100uF,20%,16V,GP,TP,3x7.5	
VZD10	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZE34	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5	
VZD11	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZE36	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5	
VZD12	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZE37	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7.5	
VZD13	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZIC1	1204-001919	IC-DECODER;ZIVA4.1 BO,OP,208P,28X28MM,P	
VZD14	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZIC2	1105-001305	IC-DRAM;4S641632,1Mx16x4Bit,TSOP,54P4	
VZD2	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZIC4	AH14-10004R	IC,M74HCU04,SOP,TAPE 14P	
VZD3	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZL10	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
VZD4	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZL12	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
VZD5	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZL13	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VZD6	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZL14	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VZD7	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZL15	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VZD8	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZL16	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VZD9	0403-001374	DIODE-ZENER;UDZ12B,11.74-12.24V,200mW,SO		ZL2	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
ZC1	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZL5	2007-000766	R-CHIP,330OHM,5%,1/10W,DA,TP,2012	
ZC10	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZL6	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
ZC11	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZL7	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
ZC12	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZL9	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
ZC13	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR16	2007-000774	R-CHIP,100ohm,5%,1/16W,DA,TP,1608	
ZC14	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR17	2007-000774	R-CHIP,100ohm,5%,1/16W,DA,TP,1608	
ZC15	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR18	2007-000774	R-CHIP,100ohm,5%,1/16W,DA,TP,1608	
ZC16	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR2	2007-000113	R-CHIP,33ohm,5%,1/16W,DA,TP,1608	
ZC17	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR23	2007-000778	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC18	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR27	2007-000084	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1608	
ZC19	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR28	2007-000084	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1608	
ZC2	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR29	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC29	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR3	2007-000113	R-CHIP,33ohm,5%,1/16W,DA,TP,1608	
ZC3	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR35	3301-001309	CORE-FERRITE BEAD;AB,47ohm,1.6x0.8x0.8mm	
ZC37	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR4	2007-000113	R-CHIP,33ohm,5%,1/16W,DA,TP,1608	
ZC38	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR5	2007-000113	R-CHIP,33ohm,5%,1/16W,DA,TP,1608	
ZC39	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR6	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
ZC4	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160		ZR68	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC40	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR69	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC41	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR7	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
ZC42	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR70	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC43	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		ZR72	2011-00816	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
ZC44	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR73	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC45	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR74	2007-000074	R-CHIP,100ohm,5%,1/16W,DA,TP,1608	
ZC46	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR75	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
ZC47	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR76	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
ZC48	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR77	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
ZC49	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR78	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
ZC5	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160		ZR79	2007-007332	R-CHIP,1.18KOHM,1%,1/10W,DA,TP,2012	
ZC50	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR8	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
ZC51	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR84	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC56	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		ZR86	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC58	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-		ZR88	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC59	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608		ZR89	2007-000109	R-CHIP,1Mohm,5%,1/16W,DA,TP,1608	
ZC6	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160		ZR9	2007-001164	R-CHIP,75ohm,1%,1/16W,DA,TP,1608	
ZC60	2203-000681	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,160		ZR94	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC61	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		ZR95	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC62	2203-000681	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,160		ZR96	2007-000078	R-CHIP,1Kohm,5%,1/16W,DA,TP,1608	
ZC63	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160		ZY1	2801-00354	CRYSTAL-UNIT;27MHz,10ppm,28-AAM,12p,400	
ZC66	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		602	AH92-01378A	ASSY PCB-SMPS;DVD-CG21,SMPS	
ZC67	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		PBR11	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
ZC68	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		PBS01	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL)-	
ZC69	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		PCD02	2201-000828	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,15x	
ZC7	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		PCD03	2201-000828	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,15x	
ZC70	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608		PCD12	2201-000930	C-CERAMIC,DISC;0.22nF,10%,500V,Y5TP,5	
ZC78	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160		PCN1	3711-001171	CONNECTOR-HEADER;BOX,9P,1R,2mm,STRAIGHT,	



Loc.No	Part No	Description : Specification	Remark	Loc.No	Part No	Description : Specification	Remark
PCN2	3711-000596	CONNECTOR-HEADER;BOX,10P,1R,2mm,STRAIGHT		PRR14	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
PCNS2	3711-003380	CONNECTOR-HEADER;1WALL,2P/3P,1R,3.96mm,A	△	PRR15	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
PCR01	2201-000795	C-CERAMIC,DISC;10nf,10%,400V,Y5P,TP,15x	△	PRR17	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PCR02	2201-000828	C-CERAMIC,DISC;3.3nf,20%,400V,Y5U,TP,15x	△	PRS11	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
PCR11	2201-000930	C-CERAMIC,DISC;0.22nf,10%,500V,Y5P,TP,5.		PRS12	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
PCR13	2301-000180	C-FILM,PEF;18nf,0.05,100V,TP,7.2x4.5x8.0		PRS31	2001-000440	R-CARBON;10HM,5%,1/8W,AA,TP,1.8X3.2MM	
PCR14	2301-000417	C-FILM,PEF;24nf,5%,50V,TP,6.5x10.5x4mm,5		PRS32	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PCR15	2301-000423	C-FILM,PEF;3.3nf,5%,100V,TP,7x10x4.5mm,5		PRS33	2004-000869	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
PCS03	2201-000916	C-CERAMIC,DISC;100nf,10%,400V,Y5U,TP,10x	△	PRS34	2004-000459	R-METAL;2Kohm,1%,1/8W,AA,TP,1.8x3.2m	
PCS32	2301-000129	C-FILM,PEF;100nf,5%,50V,TP,10x9x4.3x5.5m		PRS54	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PCS51	2202-002037	C-CERAMIC,MLC-AXIAL;100nf,80-20%,50V,Y5V		PRS55	2001-000400	R-CARBON;180ohm,2%,1/8W,AA,TP,1.8x3.2mm	
PCS52	2202-002037	C-CERAMIC,MLC-AXIAL;100nf,80-20%,50V,Y5V		PTD1	AH26-00098A	TRANS SWITCHING;EE2621,DVD-P480,-,AC120V	△
PCS53	2202-002037	C-CERAMIC,MLC-AXIAL;100nf,80-20%,50V,Y5V		PVA1	1405-000186	VARISTOR;470V,2500A,17.5x7.5mm,TP	
PCS54	2202-002037	C-CERAMIC,MLC-AXIAL;100nf,80-20%,50V,Y5V		PZR31	0403-001036	DIODE-ZENER;1N4745A,16V,5%,1W,DO-41,TP	
PDD35	0402-001195	DIODE-RECTIFIER;FT4,400V,1.0A,TS-1,TP		PZS51	0403-000717	DIODE-ZENER;MTZJ5.1B.5.1V,4.94-5.2V,500m	
PDR11	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		701	AH92-01377A	ASSY PCB-FRONT;DVD-C621/XAA,FRONT	
PDR12	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		CC12	2202-000797	C-CERAMIC,MLC-AXIAL;10nf,30%,16V,Y5S,TP,	
PDS01	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP		CC13	2202-000797	C-CERAMIC,MLC-AXIAL;10nf,30%,16V,Y5S,TP,	
PDS02	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP		CC14	2202-000797	C-CERAMIC,MLC-AXIAL;10nf,30%,16V,Y5S,TP,	
PDS03	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP		CC2	2202-000797	C-CERAMIC,MLC-AXIAL;10nf,30%,16V,Y5S,TP,	
PDS04	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP		CC3	2202-000797	C-CERAMIC,MLC-AXIAL;10nf,30%,16V,Y5S,TP,	
PDS11	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP		CC4	2202-000797	C-CERAMIC,MLC-AXIAL;10nf,30%,16V,Y5S,TP,	
PDS31	0402-001195	DIODE-RECTIFIER;FT4,400V,1.0A,TS-1,TP		CE1	2401-000249	C-AL;100uf,20%,10V,GP,TP6.3x5.2.5	
PDS32	0402-001194	DIODE-RECTIFIER;UG2D,200V,2A,DO-204AC,TP		CE11	2401-000249	C-AL;100uf,20%,10V,GP,TP6.3x5.2.5	
PDS33	0402-001438	DIODE-RECTIFIER;SHK55-65,60V,3A,AXIAL,BK		CN1	3708-001364	CONNECTOR-FPC/FFC;PIC,35P,1.25MM,STRAIGH	
PDS34	0402-001438	DIODE-RECTIFIER;SHK55-65,60V,3A,AXIAL,BK		DL1	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
PDS36	0402-001195	DIODE-RECTIFIER;FT4,400V,1.0A,TS-1,TP		DL2	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
PDS51	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		DRIC13	1003-001418	IC-MOTOR DRIVER;FAN8002,DIP8P,-,1MA,S	
PDS52	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		DRIC3	1003-001418	IC-MOTOR DRIVER;FAN8082,DIP8P,-,1MA,S	
PER10	2401-001681	C-AL;82uf,20%,200V,GP,TP,16x26,7.5m		FC8	2202-000797	C-CERAMIC,MLC-AXIAL;10nf,30%,16V,Y5S,TP,	
PER11	2401-001235	C-AL;4.7uf,20%,250V,WT,TP,10x12.5.5		FCL1	3711-005023	CONNECTOR-HEADER;BOX,5P,1R,1.25MM,STRAIG	
PER12	2401-000913	C-AL;22uf,20%,16V,GPT,5x11.5		FCL2	3711-005025	CONNECTOR-HEADER;BOX,9P,1R,1.25MM,STRAIG	
PES31	2401-000830	C-AL;220uf,20%,25V,GPT,TP8x11.5		FCL21	AH39-00327A	LEAD CONNECTOR ASSY;#1007,26,-,9P,100M	
PES32	2401-000302	C-AL;100uf,20%,25V,GP,TP6.3x11.5		FCL22	AH39-00326A	LEAD CONNECTOR ASSY;#1007,26,-,10P,140	
PES33	2401-003480	C-AL;1000uf,20%,10V,LZ,TP,10X16MM,5		FCL3	3711-000683	CONNECTOR-HEADER;BOX,13P,1R,2mm,STRAIGHT	
PES34	2401-000118	C-AL;1000uf,20%,10V,GPT,10x12.5.5		FCLM1	2202-000173	C-CERAMIC,MLC-AXIAL;1nf,10%,50V,Y5P,TP,1	
PES35	2401-003046	C-AL;47uf,20%,50V,WT,TP,6.3x11.5		FCLM2	2202-000797	C-CERAMIC,MLC-AXIAL;10nf,30%,16V,Y5S,TP,	
PES36	2401-001353	C-AL;470uf,20%,10V,GP,TP,8x11.5.5		FD9	0403-000551	DIODE-ZENER;MTZ3.9B,3.9V,3.89-4.16V,500m	
PES37	2401-002042	C-AL;220uf,20%,10V,GP,TP,6.3x11.5		FDR1	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PES51	2401-000302	C-AL;100uf,20%,25V,GP,TP,6.3x11.5		FE7	2401-000249	C-AL;100uf,20%,10V,GP,TP6.3x5.2.5	
PES52	2401-000598	C-AL;1uf,20%,50V,GPT,4x7.5		FE8	2401-001507	C-AL;47uf,20%,16V,GPT,TP,8x11.5	
PES53	2401-000302	C-AL;100uf,20%,25V,GPT,TP,6.3x11.5		FE9	2401-000249	C-AL;100uf,20%,10V,GP,TP6.3x5.2.5	
PES54	2401-002144	C-AL;47uf,20%,16V,GP,TP,5x11.5		FER1	2401-000249	C-AL;100uf,20%,10V,GP,TP,6.3x5.2.5	
PES56	2401-000302	C-AL;100uf,20%,25V,GP,TP,6.3x11.5		FERM1	2401-000249	C-AL;100uf,20%,10V,GP,TP,6.3x5.2.5	
PES57	2401-000302	C-AL;100uf,20%,25V,GP,TP,6.3x11.5		FIC1	0903-001283	IC-MICROCONTROLLER;TMP86PM744AF,88P,POPF	
PES58	2401-001353	C-AL;470uf,20%,10V,GP,TP,8x11.5.5		FIC2	1203-001252	IC-VOL. DETECTOR;7545,T0-92,3P,-,PLASTIC	
PFD01	3601-000194	FUSE-CARTRIDGE;250V,1A,FAST-ACTING,GLASS	△	FL1	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
PICS1	0604-000186	PHOTO-COUPLER;TR,-,200mW,DIP,4-ST	△	FL2	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
PICS2	AC14-12006D	IC;KA431Z,TO-92,TAPING		FL3	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
PICS3	1203-000122	IC-NEGA,FIXED REG.;7908,TO-220,3P,-,PLAS		FQL1	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
PICS4	1203-000293	IC-POSI,FIXED REG.;7808,TO-220,3P,-,PLAS		FQL2	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
PICS5	1203-002185	IC-VOLTAGE REGULATOR;3RD13,TO-220,4P,402		FQL3	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
PLF01	AC29-30050B	FILTER-LINE NOISE;-,400uH,-,AC250V,TR12.	△	FQL4	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
PLS01	AC29-00003A	FILTER LINE NOISE;-,20mH MIN,--,--	△	FQL5	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
PLS31	AC27-12001N	COIL-CHOKE;10uH-15%,RA,K-30,Q80,150KHZ,-		FR18	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
PQR11	0502-000405	TR-POWER;-,NPN,70W,TO-220,BK,10		FR19	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PQR12	0501-000442	TR-SMALL SIGNAL;KTC203-YNP,400mW,T0-9		FR20	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
POS55	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K,4.7K,T		FR21	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
POS56	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,T0-		FR22	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PQS57	0501-000616	TR-SMALL SIGNAL;KSC2328A-YNP,1W,T0-92L		FR23	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PQS58	0501-000616	TR-SMALL SIGNAL;KSC2328A-YNP,1W,T0-92L		FR23	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PRD11	2003-000119	R-METAL OXIDE;0.68ohm,5%,2W,AE,TP,6x16mm		FR34	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PRD31	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		FR35	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PRD32	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm		FR36	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PRR11	2003-002117	R-METAL OXIDE(S);330Kohm,5%,1W,AA,TP,3.3		FR37	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PRR12	2003-000314	R-METAL OXIDE;47ohm,5%,2W,AE,TP,6x16mm					
PRR13	2003-000314	R-METAL OXIDE;47ohm,5%,2W,AE,TP,6x16mm					

Loc.No	Part No	Description ; Specification	Remark	Loc.No	Part No	Description ; Specification	Remark
FR6	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		702	AH92-01391A	ASSY PCB-L KEY;DVD-C621,L-KEY	
FR8	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		CON2	3710-001812	CONNECTOR-SOCKET;5P,1R,1.25MM,ANGLE,-	
FR80	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KLLED1	0601-001447	LED;ROUND,RED,3.1mm,650nm	
FR9	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KLR1	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRL1	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM		KLR2	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRL10	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KLR3	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRL11	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KLSW1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRL12	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KLSW2	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRL2	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM		KLSW3	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRL3	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM					
FRL4	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM		703	AH92-01390A	ASSY PCB-R KEY;DVD-C621,R-KEY	
FRL5	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM		CON1	3710-001813	CONNECTOR-SOCKET;9P,1R,1.25MM,ANGLE,-	
FRL6	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM		KRLED1	0601-001644	LED;ROUND,RED,3MM,632NM,4X5.25MM	
FRL7	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRLED2	0601-001644	LED;ROUND,RED,3MM,632NM,4X5.25MM	
FRL8	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRLED3	0601-001644	LED;ROUND,RED,3MM,632NM,4X5.25MM	
FRL9	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRLED4	0601-001644	LED;ROUND,RED,3MM,632NM,4X5.25MM	
FRR1	AH59-00010A	MODULE REMOCO:-,-37.9KHZ,940NM,-,-		KRLED5	0601-001644	LED;ROUND,RED,3MM,632NM,4X5.25MM	
FRR1	2001-000793	R-CARBON;470HM,5%,1/8W,AA,TP,1.8X3.2MM		KRR1	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRR2	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRR2	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRRM1	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRR3	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRV1	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRR4	2001-000995	R-CARBON;8200HM,5%,1/8W,AA,TP,1.8X3.2MM	
FRV10	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRR5	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRV11	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRR6	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRV12	2001-000027	R-CARBON;1000HM,5%,1/4W,AA,TP,2.4X6.4MM		KRR7	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FRV13	2001-000027	R-CARBON;1000HM,5%,1/4W,AA,TP,2.4X6.4MM		KRSW1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRV2	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW10	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRV3	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW2	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRV4	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW3	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRV5	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW4	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRV6	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW5	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRV7	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW6	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRV8	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW7	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRV9	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW8	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FRX1	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM		KRSW9	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FX1	2802-001189	RESONATOR-CERAMIC;8MHZ,±0.5%,TP,10X5.0X					
HPJ01	3722-001465	JACK-PHONE;3P,6.43PI,AG,BLK,-		H215	AH92-01435A	ASSY PCB-DECK 1LD;DVD-C621,SELLING DECK	
KC1	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,		DCN1	3708-001364	CONNECTOR-FPC/FFC/PIC,35P,1.25MM,STRAIGHT	
KC101	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,		DCN2	3708-001704	CONNECTOR-FPC/FFC/PIC,24P,1MM,ANGLE,SN	
KC102	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,		DCN3	3708-001589	CONNECTOR-FPC/FFC/PIC,13P,1mm,ANGLE,SN	
KC2	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,		DOR1	2001-000325	R-CARBON;1200HM,5%,1/8W,AA,TP,1.8X3.2MM	
KCE8	2401-001507	C-AL;47uf,20%,16V,GPT,P6.3x5.5		DOR2	2001-000325	R-CARBON;1200HM,5%,1/8W,AA,TP,1.8X3.2MM	
KCE9	2401-001507	C-AL;47uf,20%,16V,GPT,P6.3x5.5					
KL1	2701-000113	INDUCTOR-AXIAL;100uH,5%,2.5x3.4mm		H402	AH97-00735A	ASSY PCB DECK;DP-8,DECK,-	
KL2	2701-000113	INDUCTOR-AXIAL;100uH,5%,2.5x3.4mm		MCN02	3708-001444	CONNECTOR-FPC/FFC/PIC,6P,1.25mm,STRAIGHT	
KL3	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,		MCN03	3710-000405	CONNECTOR-SOCKET;2P,2.5mm,-	
KL4	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,		MR1	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
KL5	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,		MR2	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
KOP03	1201-000191	IC-OP AMP;4558,DI,P8P,300MIL,DUAL,20V/mV		MR3	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
KR3	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		MR4	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
KR32	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		MR5	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
KR33	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		MSW01	AH34-00014B	SWITCH-MODE;MMS006602ZMB0,DP-8,-,----,	
KR34	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
KR35	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		H502	AH97-00737A	ASSY PCB SENSOR;DP-8,SENSOR,-	
KR4	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		LCN01	3708-001443	CONNECTOR-FPC/FFC/PIC,6P,1.25mm,ANGLE,SN	
KVR4	2101-001090	VR-ROTARY;20KOHM,20%,1/20W,SIDE		LCN02	3710-000405	CONNECTOR-SOCKET;2P,2.5mm,-	
KZD1	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D		LSS01	AH32-00002A	SENSOR-ROULETTE;-,DP-4,-,----,	
KZD2	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D		LSS02	0604-001005	PHOTO-INTERRUPTER;TR,-,DP-4,BK	
KZD3	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D		MR6	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
KZD4	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D		MR7	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
VFD1	AH07-00043A	VF DISPLAY;-,DVD-M201,74X9.0mm,1/13.75.9		MR8	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
ZD1	0403-000546	DIODE-ZENER;MTZ6.3B,3.6V,3.6-3.845V,500m		MR9	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
ZD11	0403-000297	DIODE-ZENER;MTZ6.2B,6.2V,5.96-6.27V,500m					

6. Block Diagram

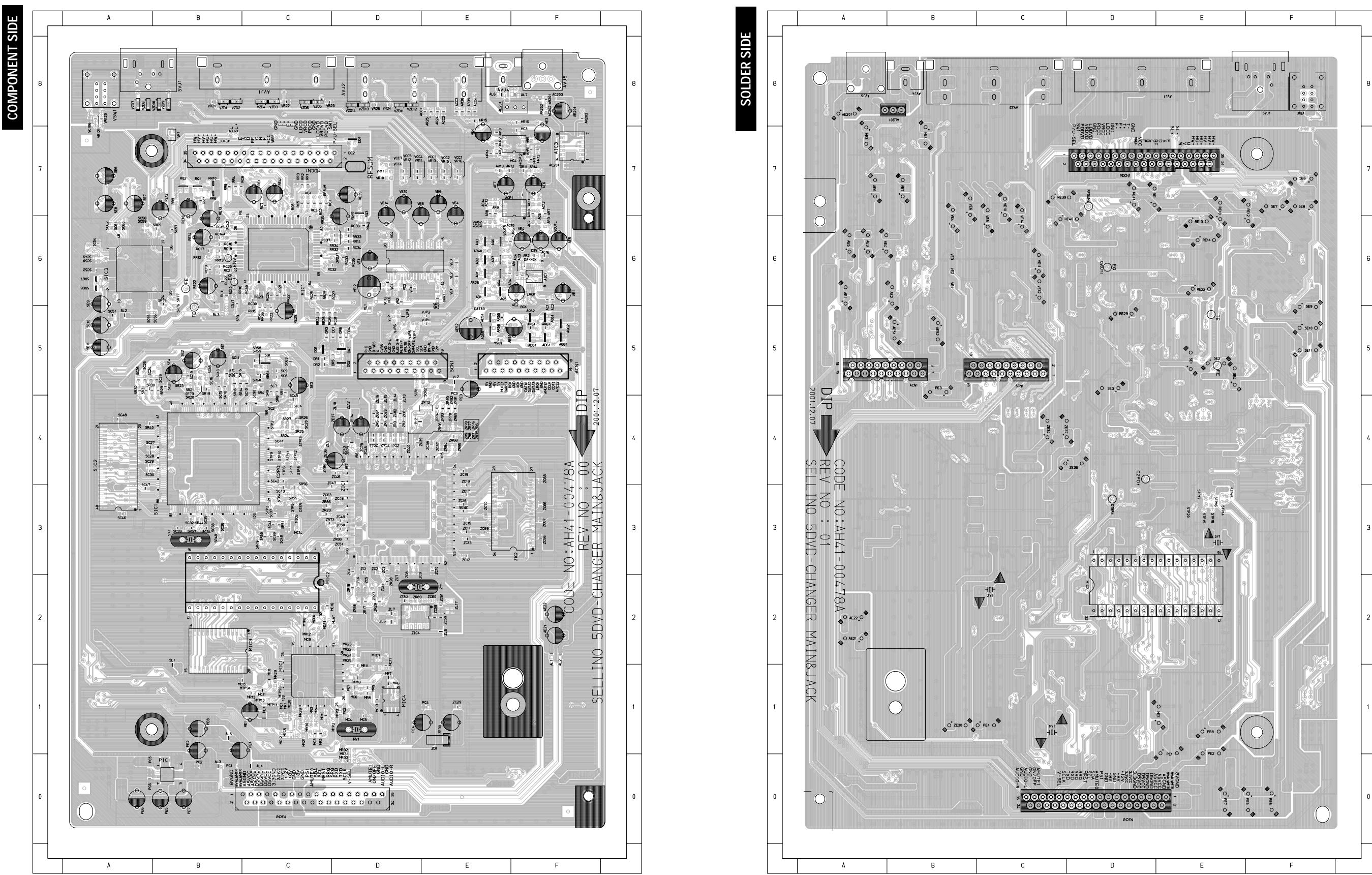


MEMO

7. PCB Diagrams

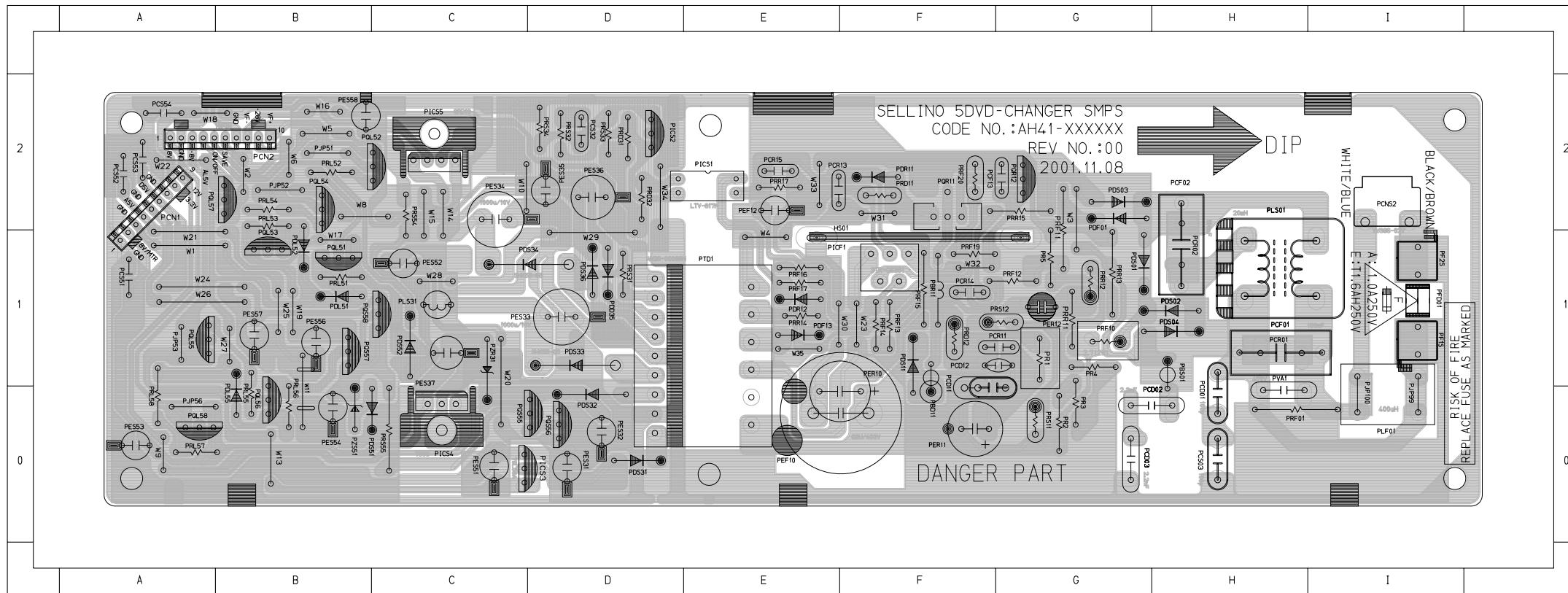
7-1 Main & Jack -----	7-2
7-2 S.M.P.S. -----	7-3
7-3 Front -----	7-4
7-4 Key (Left) -----	7-6
7-5 Key (Right) -----	7-6
7-6 Deck -----	7-7
7-7 Sensor -----	7-7
7-8 Motor Connection -----	7-8

7-1 Main & Jack

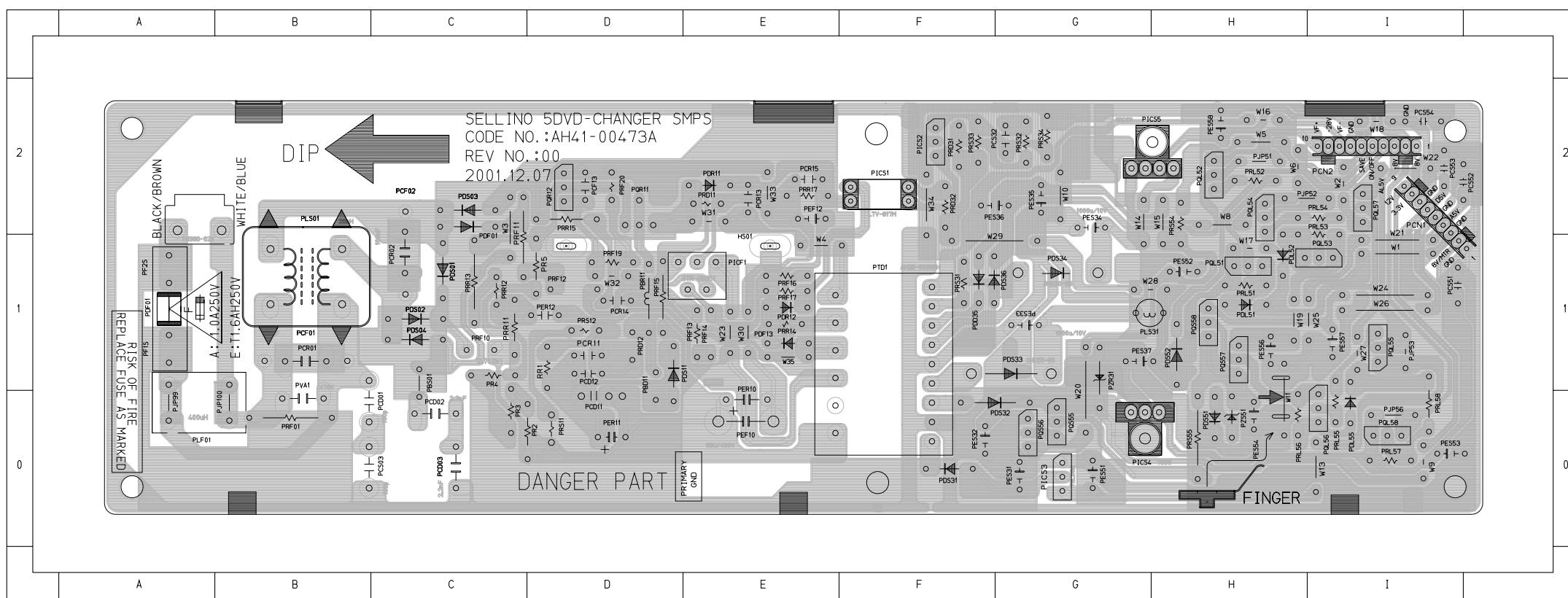


7-2 S.M.P.S.

COMPONENT SIDE

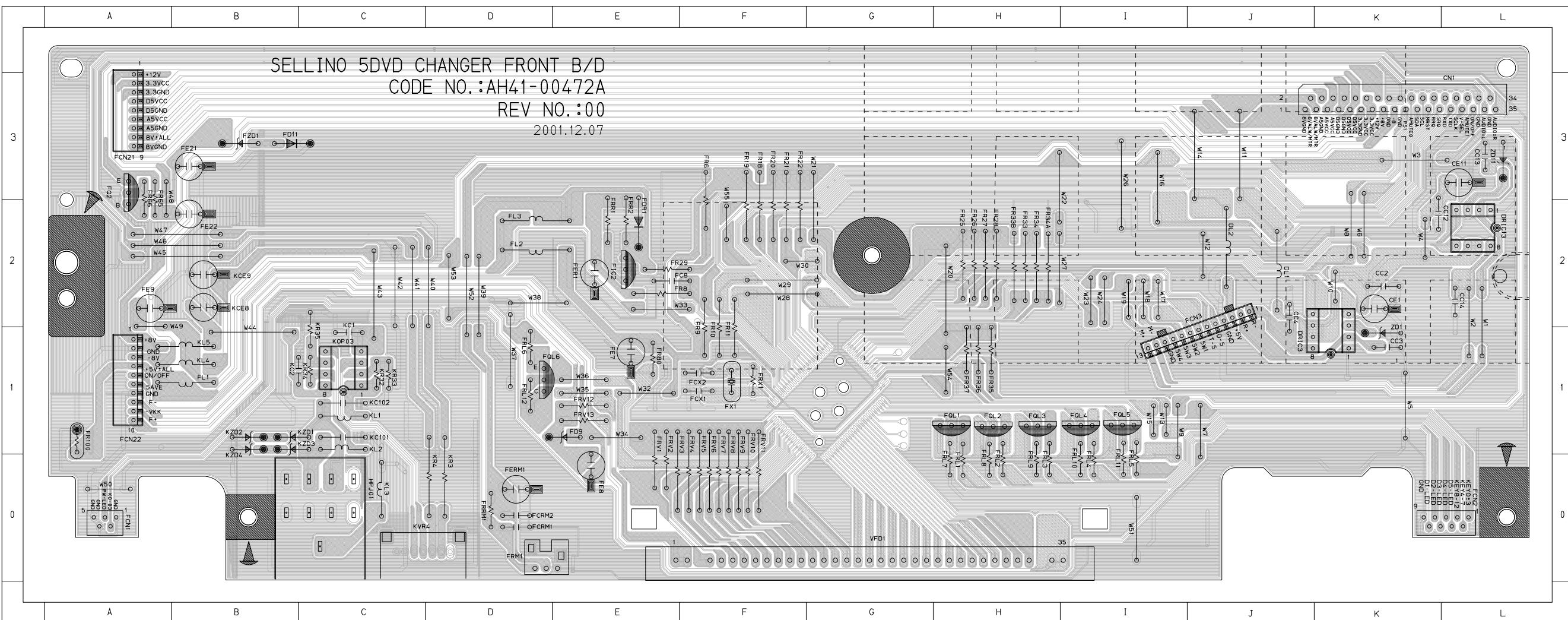


SOLDER SIDE

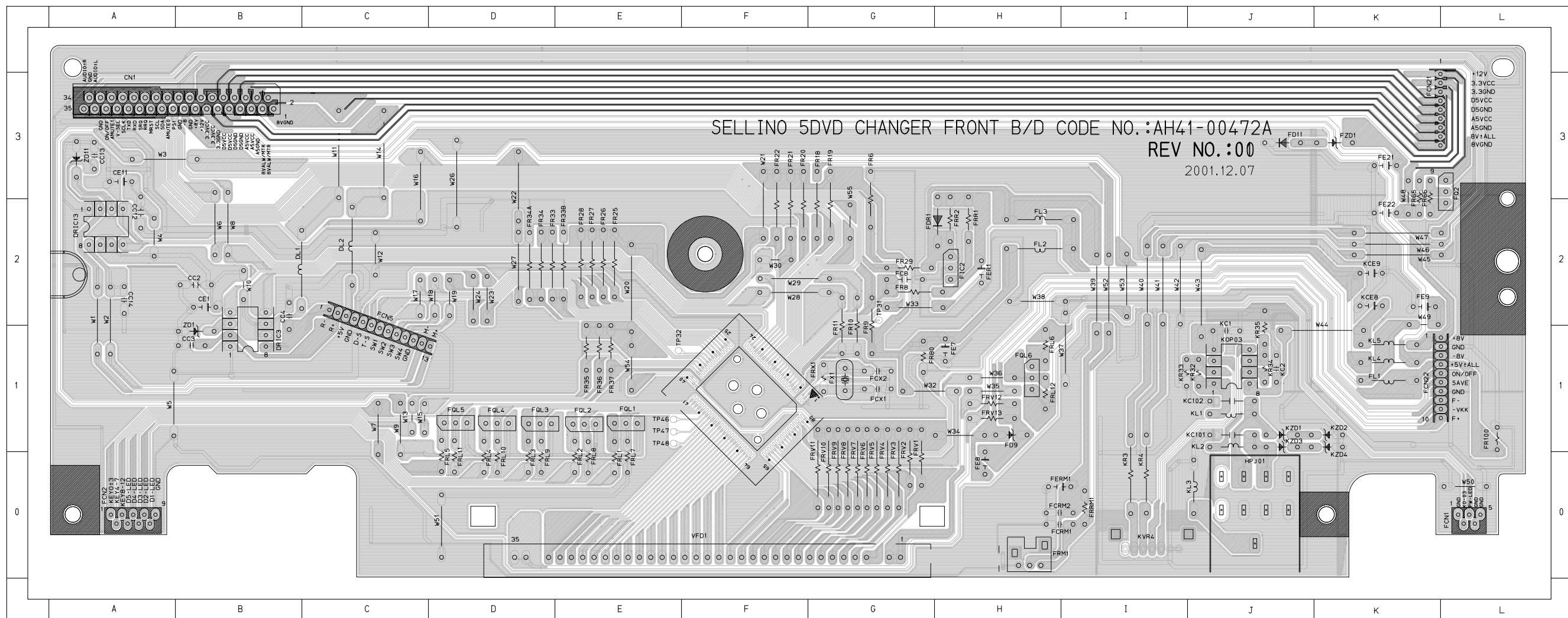


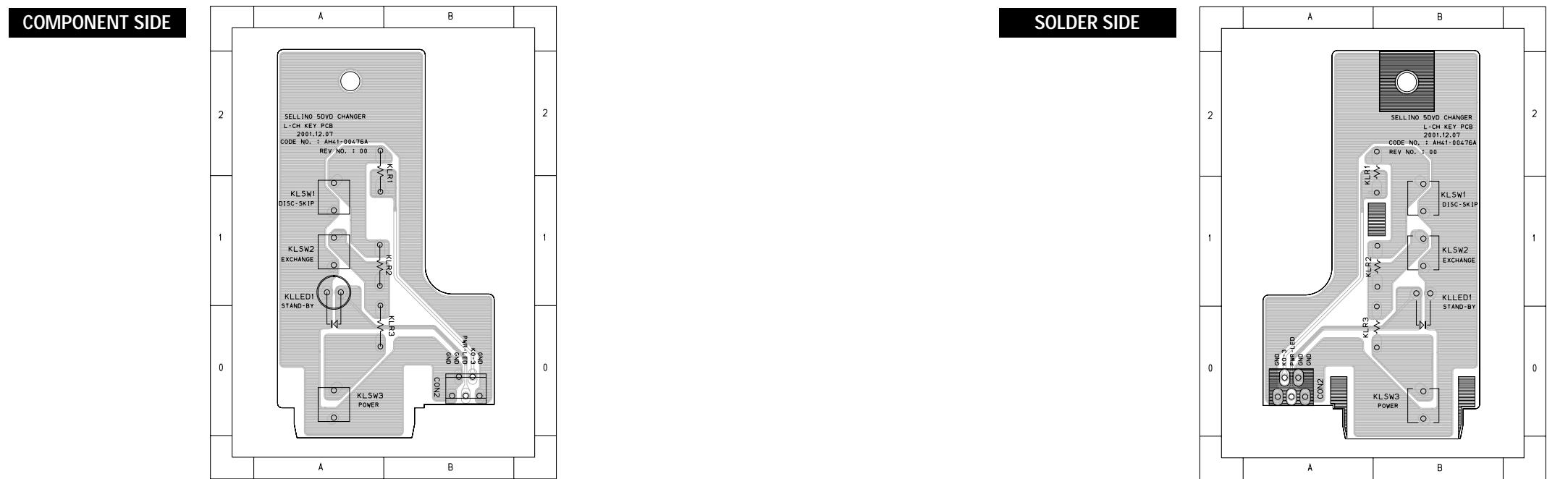
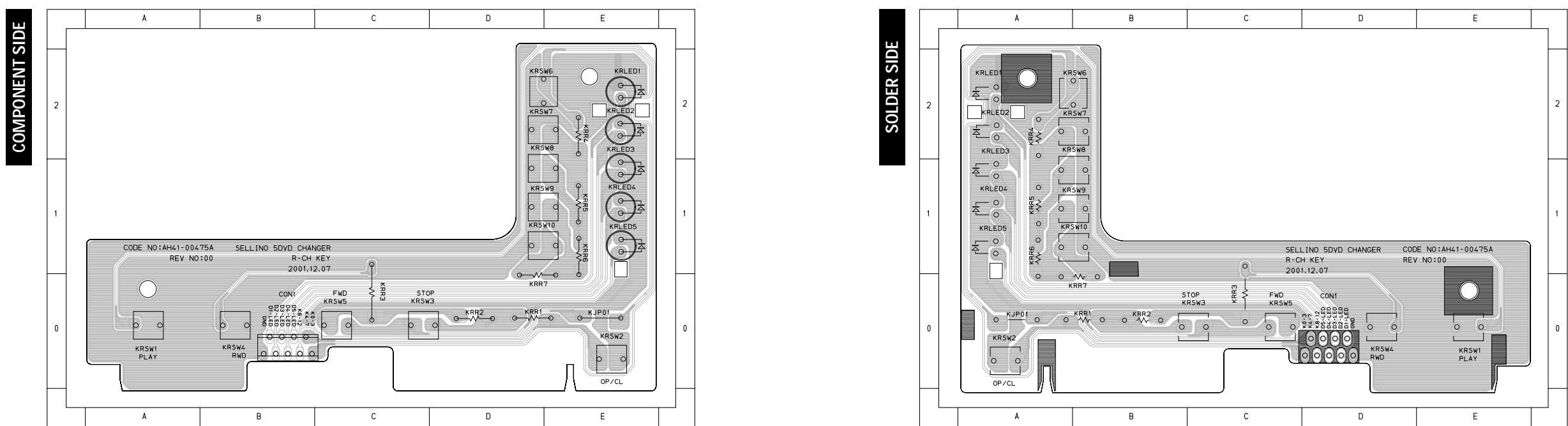
7-3 Front

COMPONENT SIDE



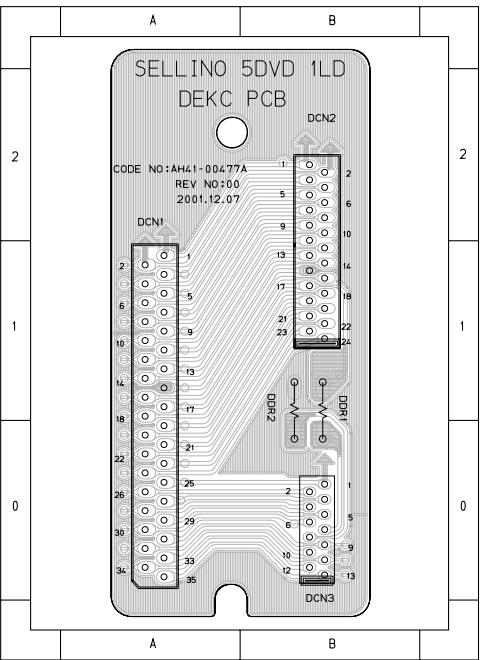
SOLDER SIDE



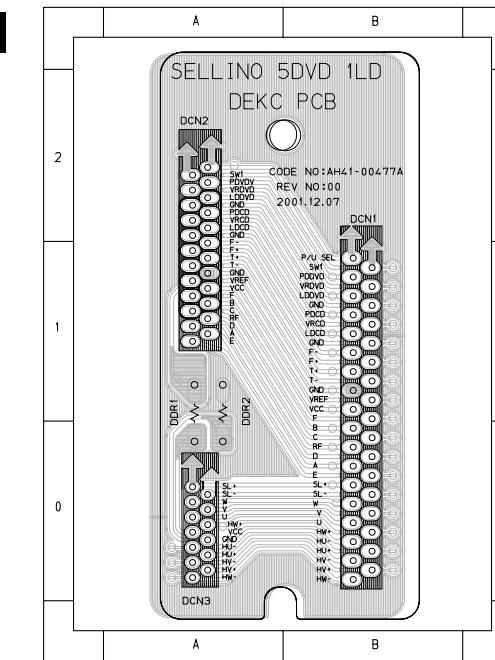
7-4 Key (Left)**7-5 Key (Right)**

7-6 Deck

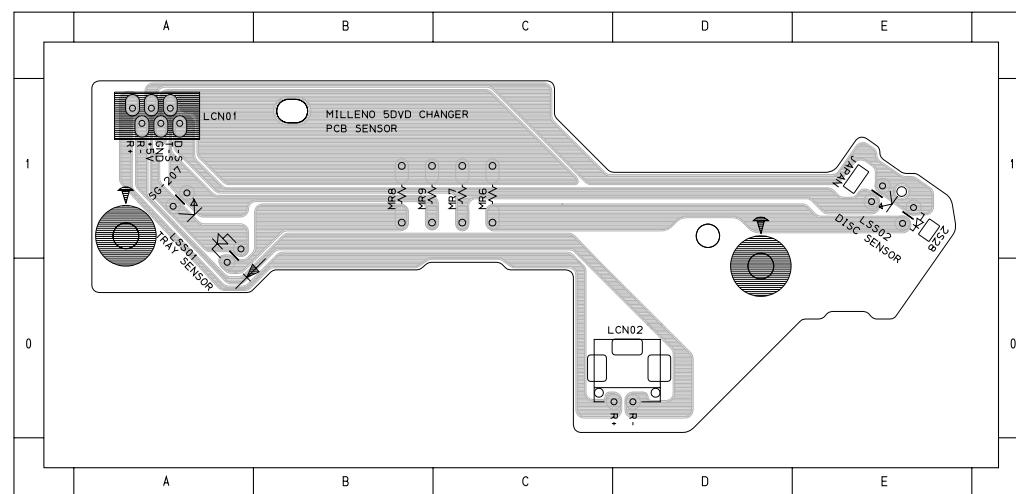
COMPONENT SIDE



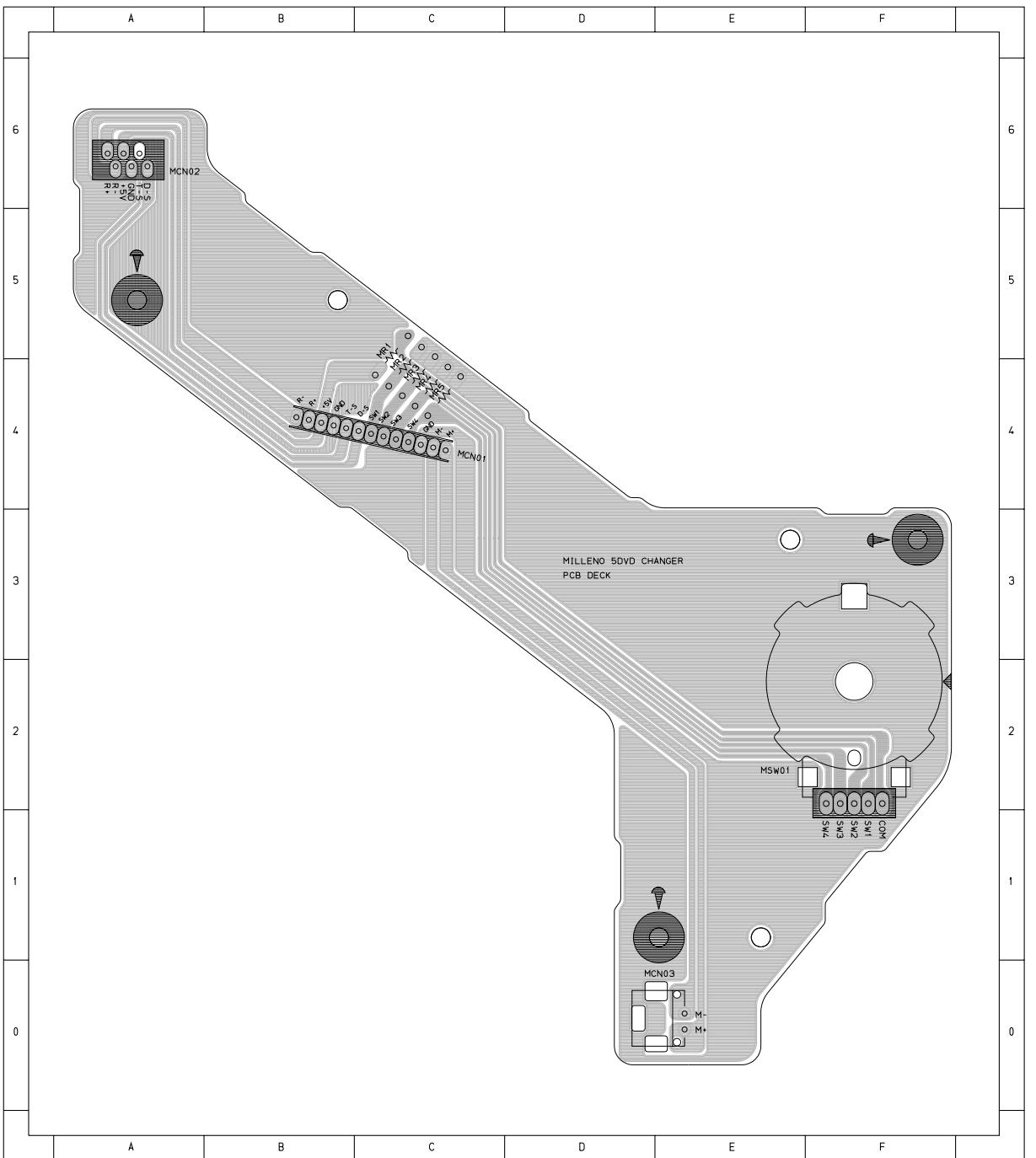
SOLDER SIDE



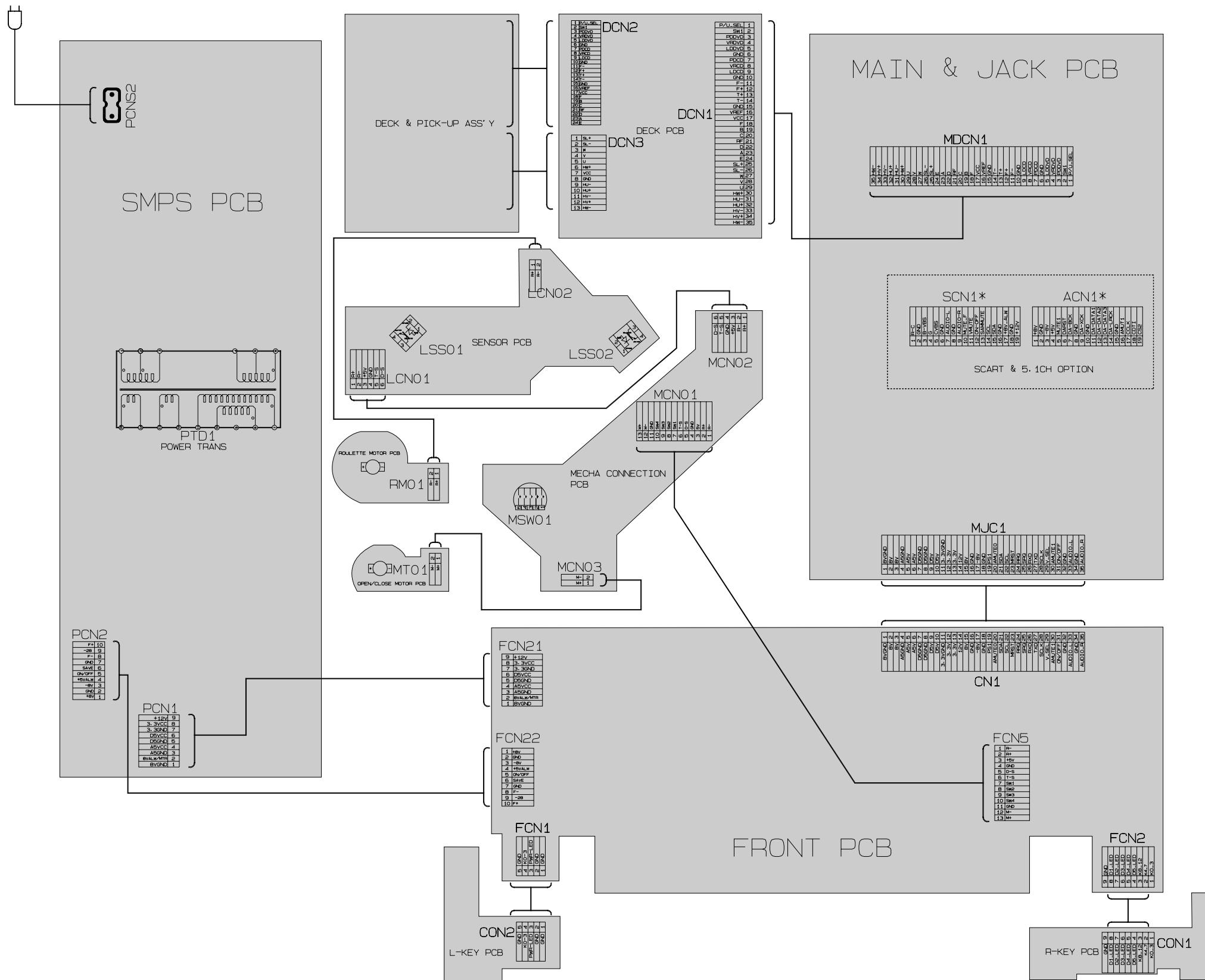
7-7 Sensor



7-8 Motor Connection



8. Wiring Diagram



9. Schematic Diagrams

9-1 S.M.P.S.

9-2 Main-Micom/AV Decoder

9-3 Servo/DSP

9-4 Audio/Video

9-5 Front-Micom

9-6 Key

9-7 Deck

9-8 Motor Connection/Sensor

9-2

9-3

9-4

9-5

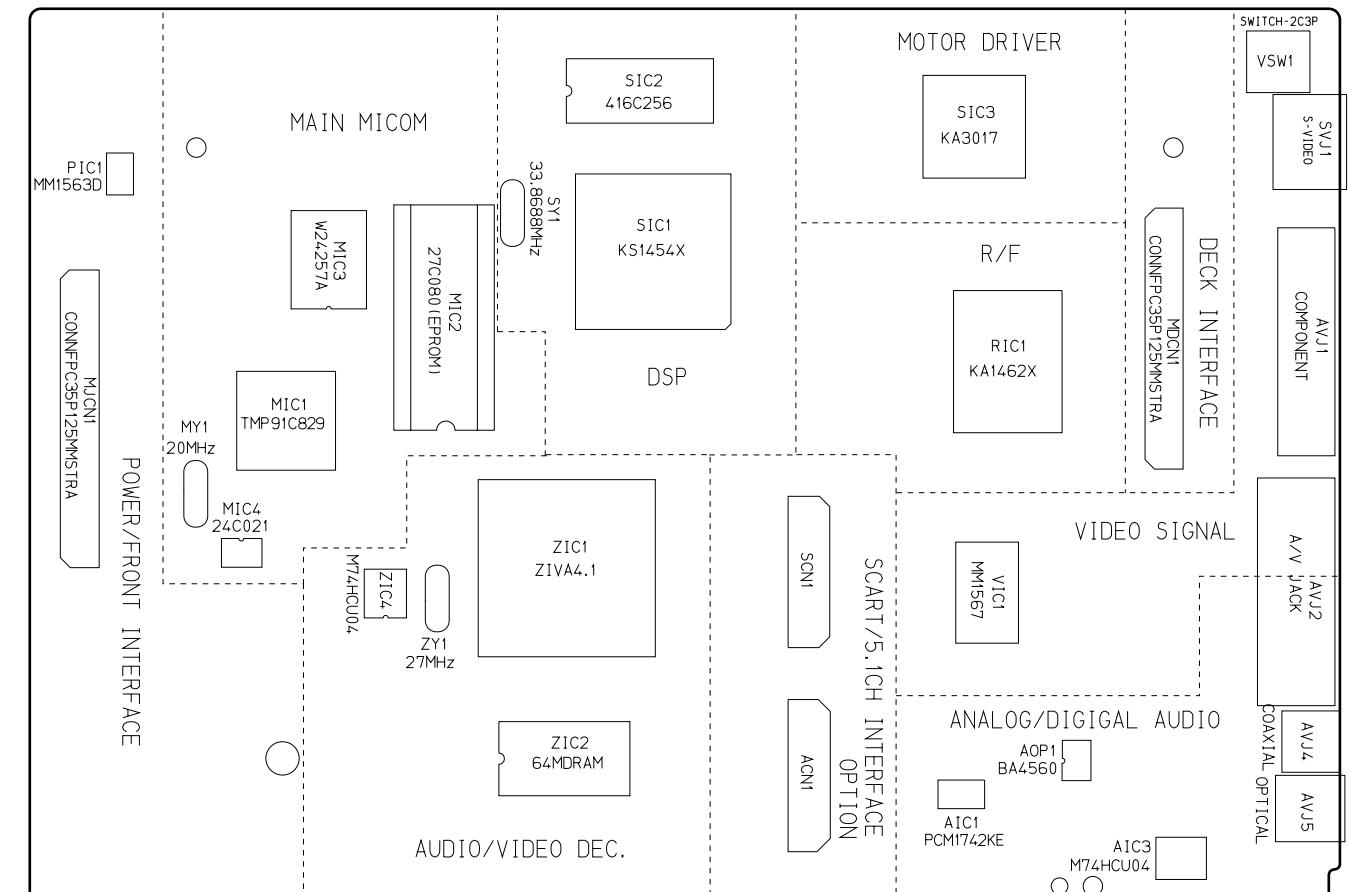
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9-7

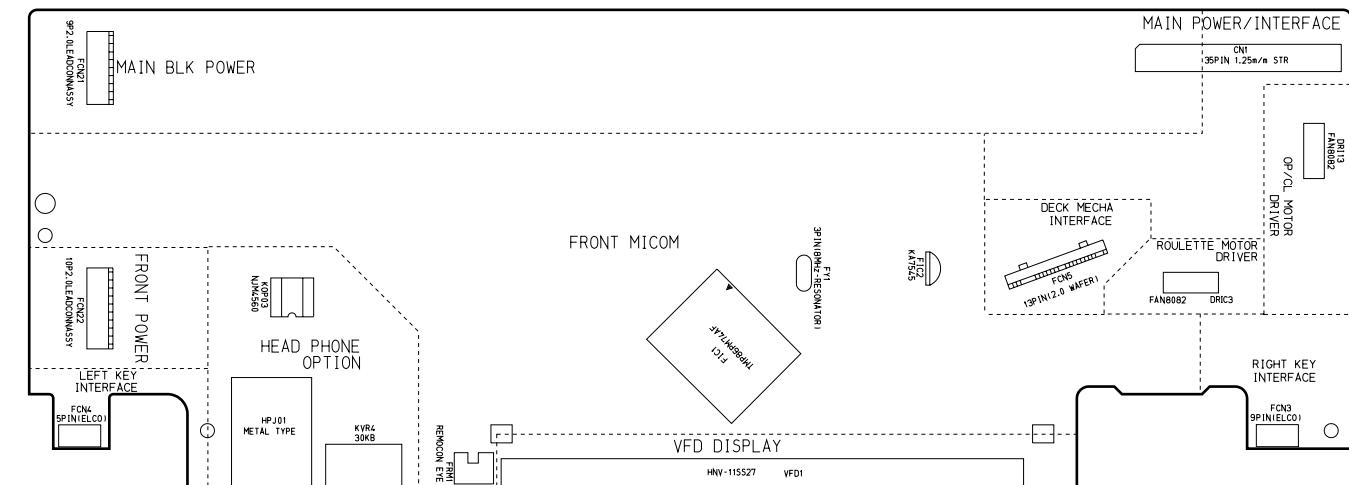
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9-9

Block Identification of PCB

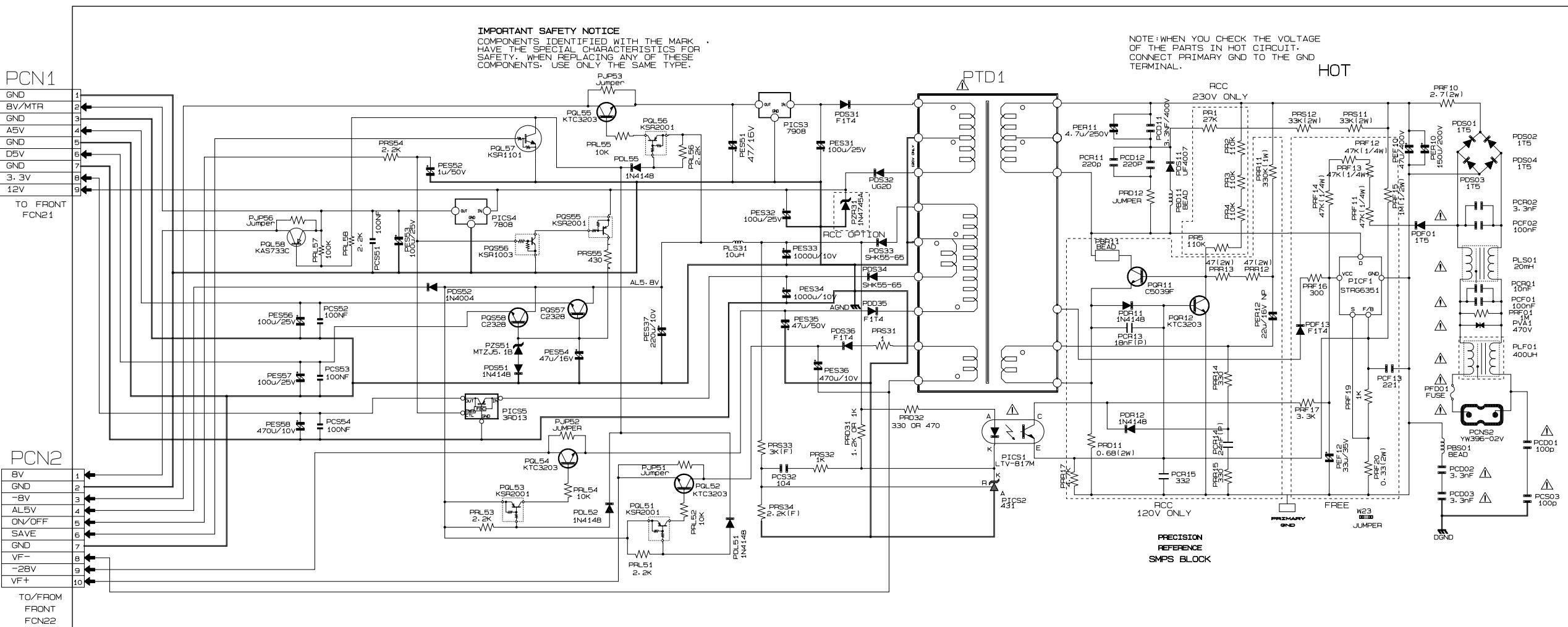


Main & Jack PCB (Component Side)

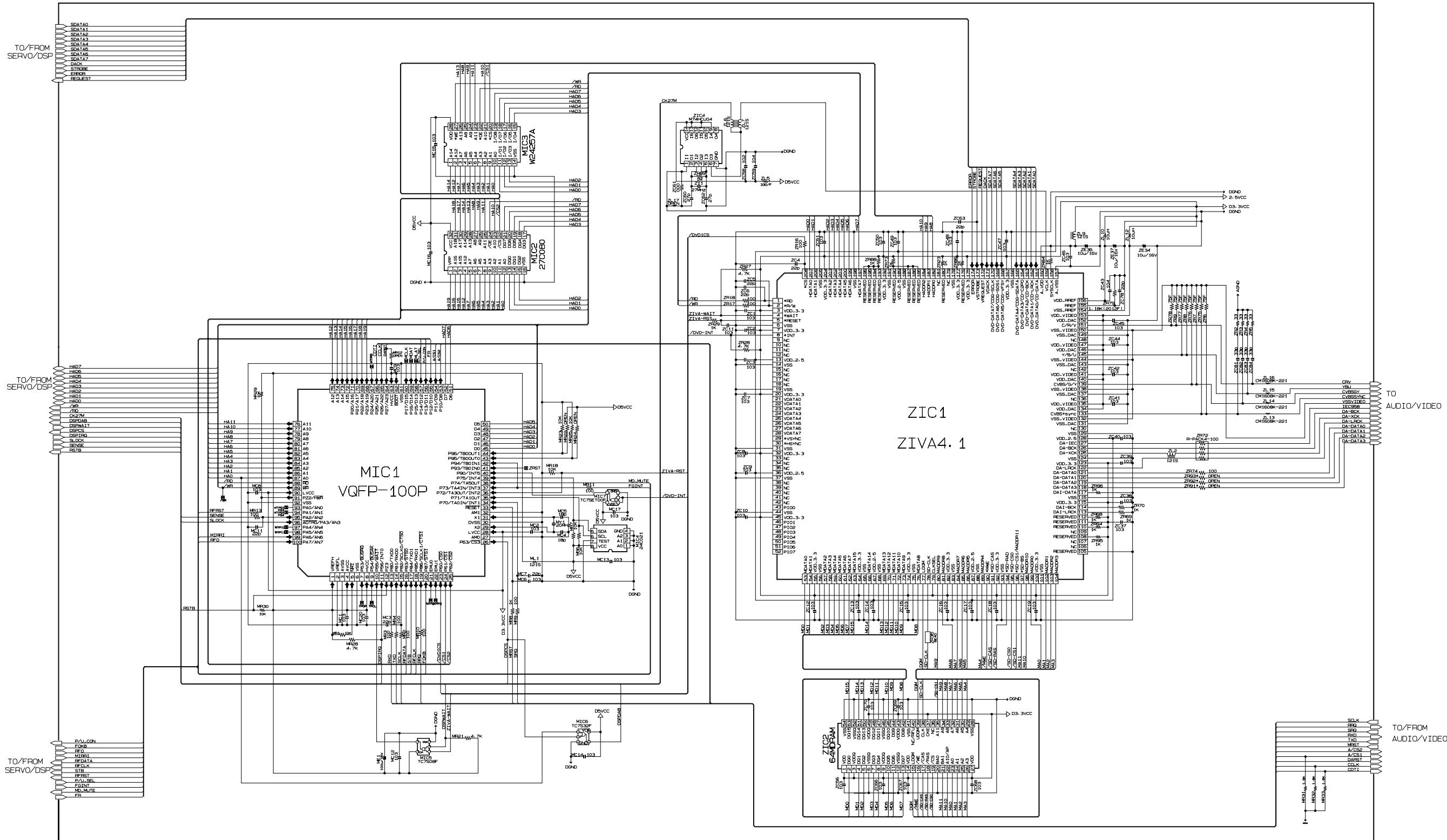


Front PCB (Component Side)

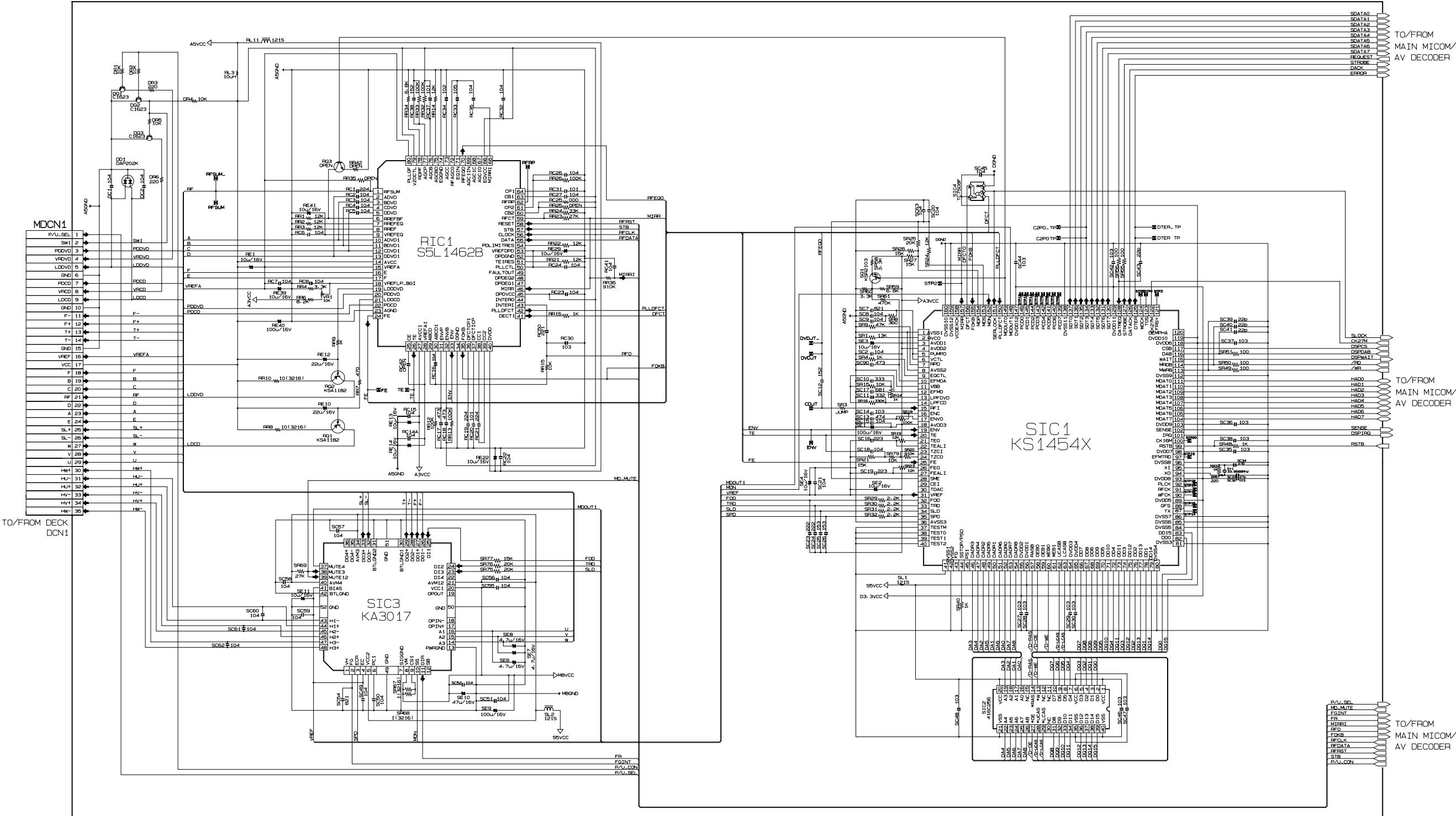
9-1 S.M.P.S.



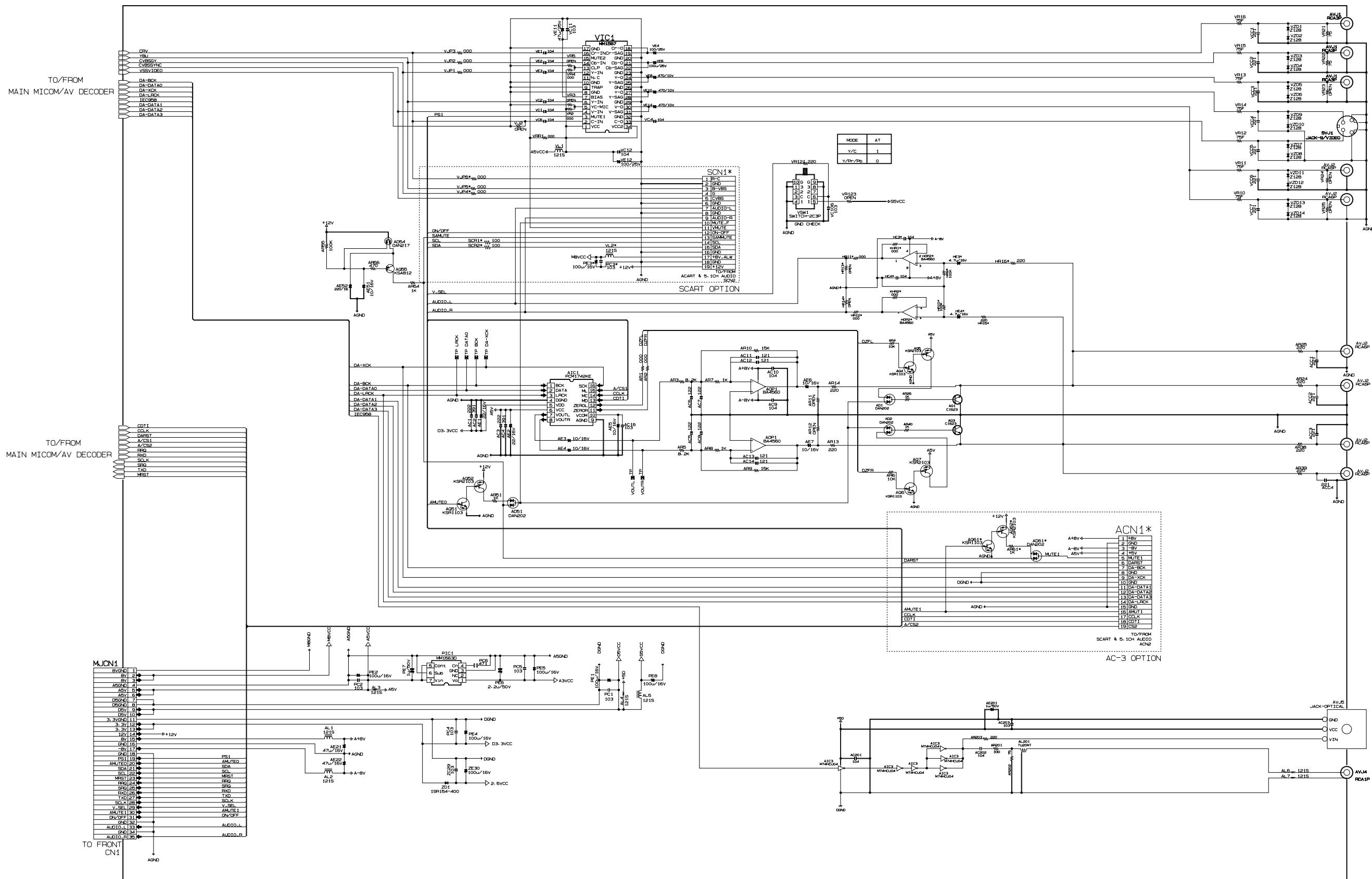
9-2 Main-Micom/AV Decoder



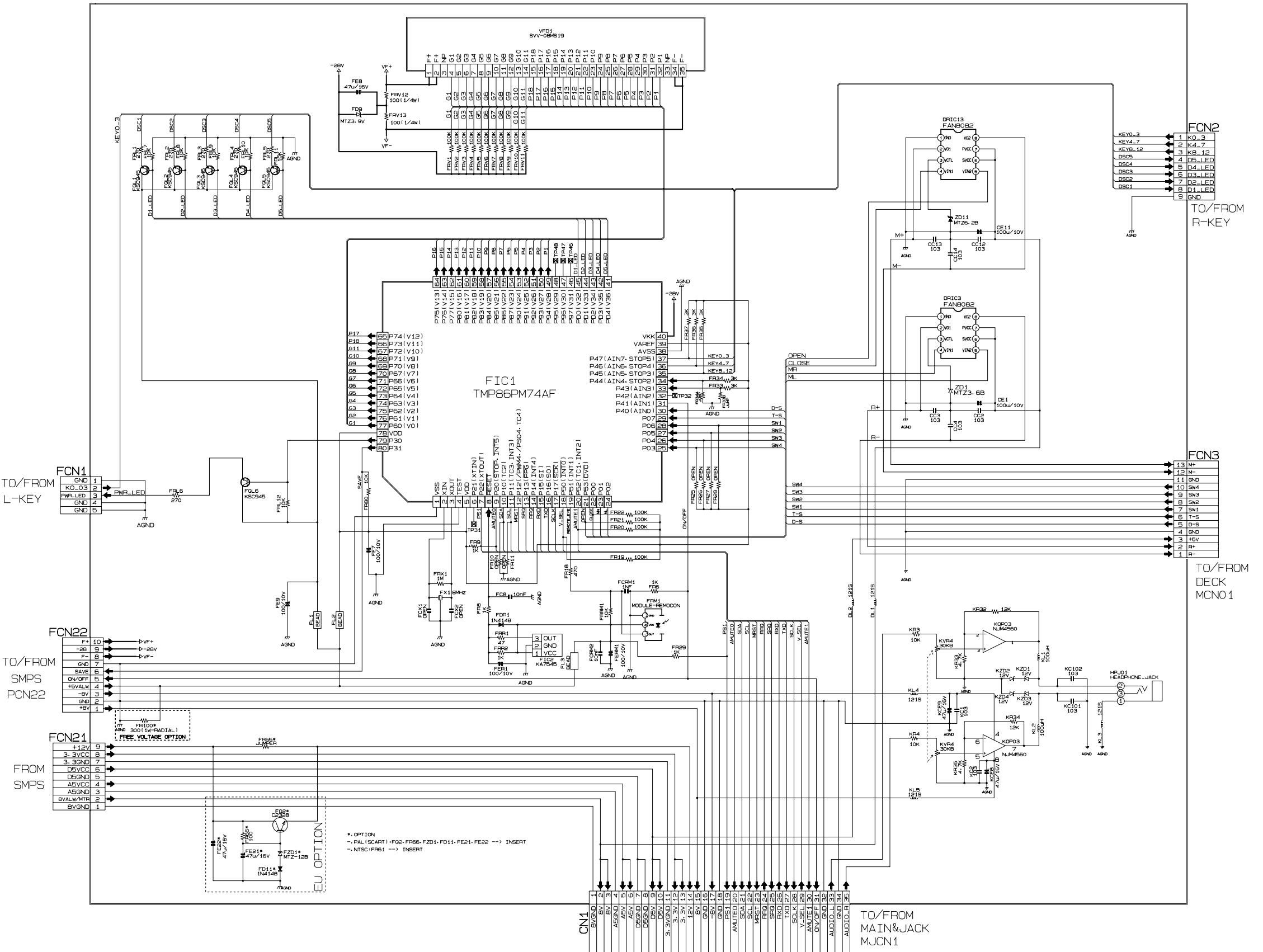
9-3 Servo/DSP



9-4 Audio/Video

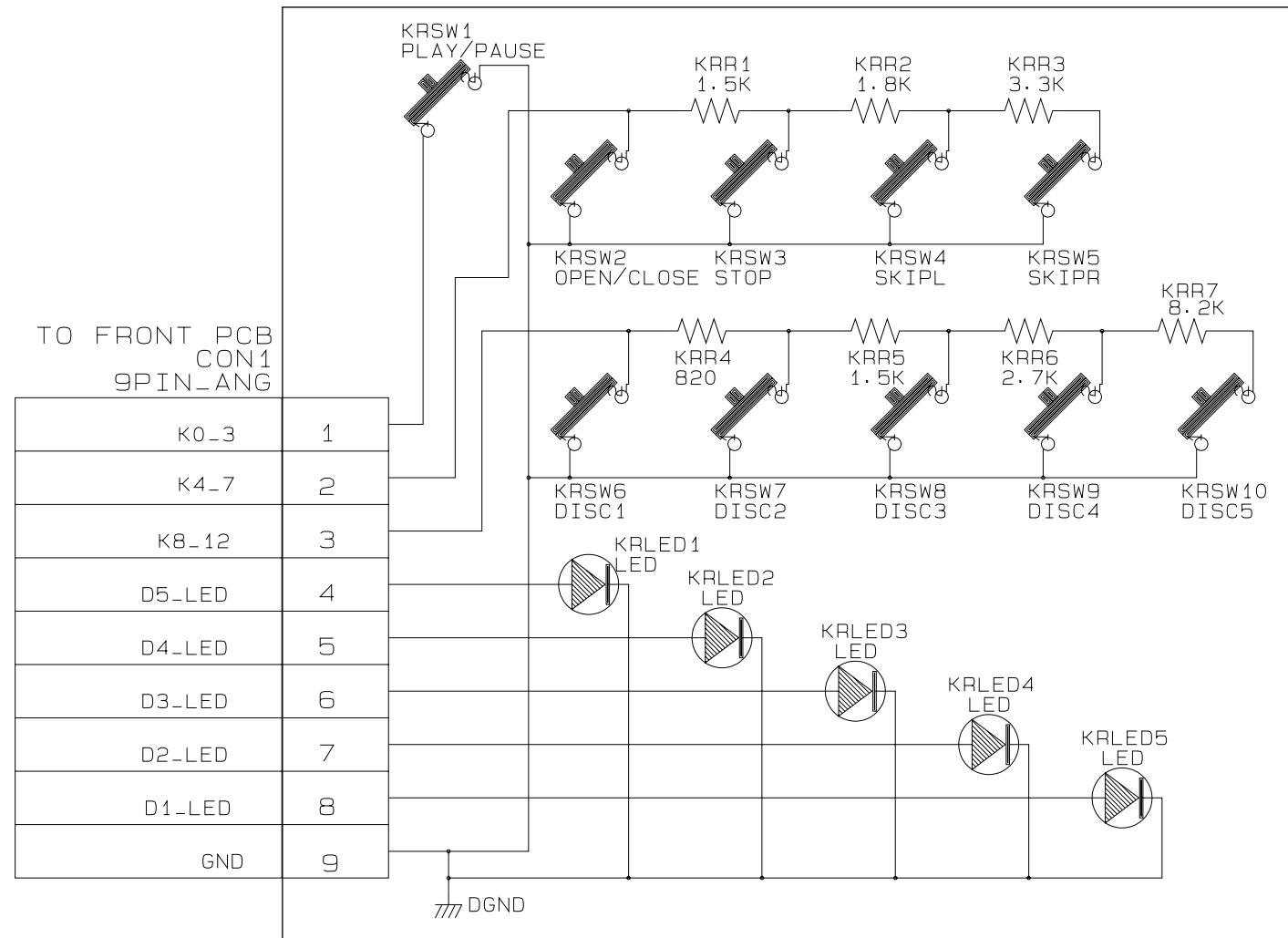


9-5 Front-Micom

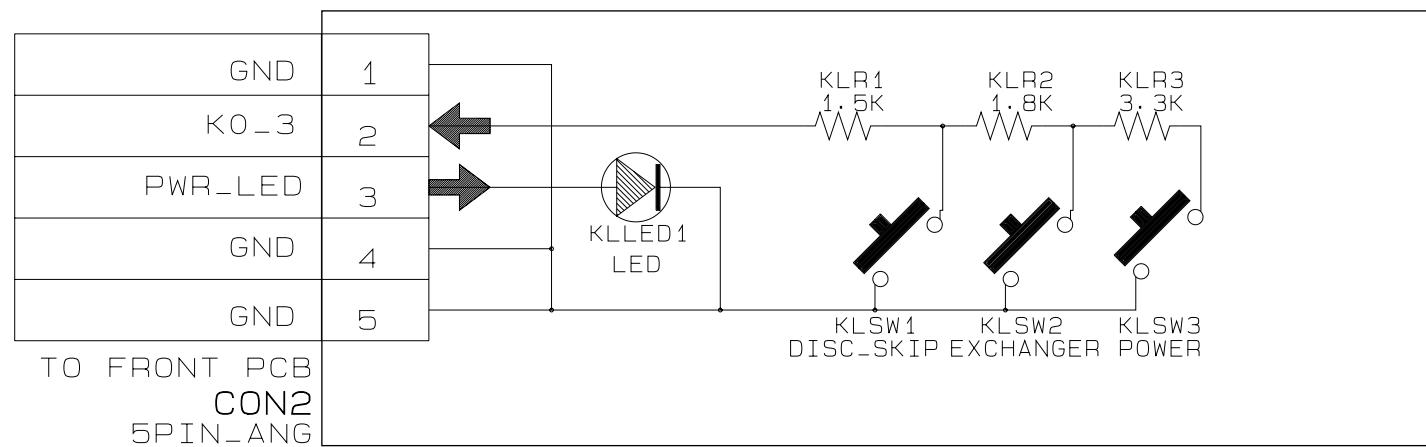


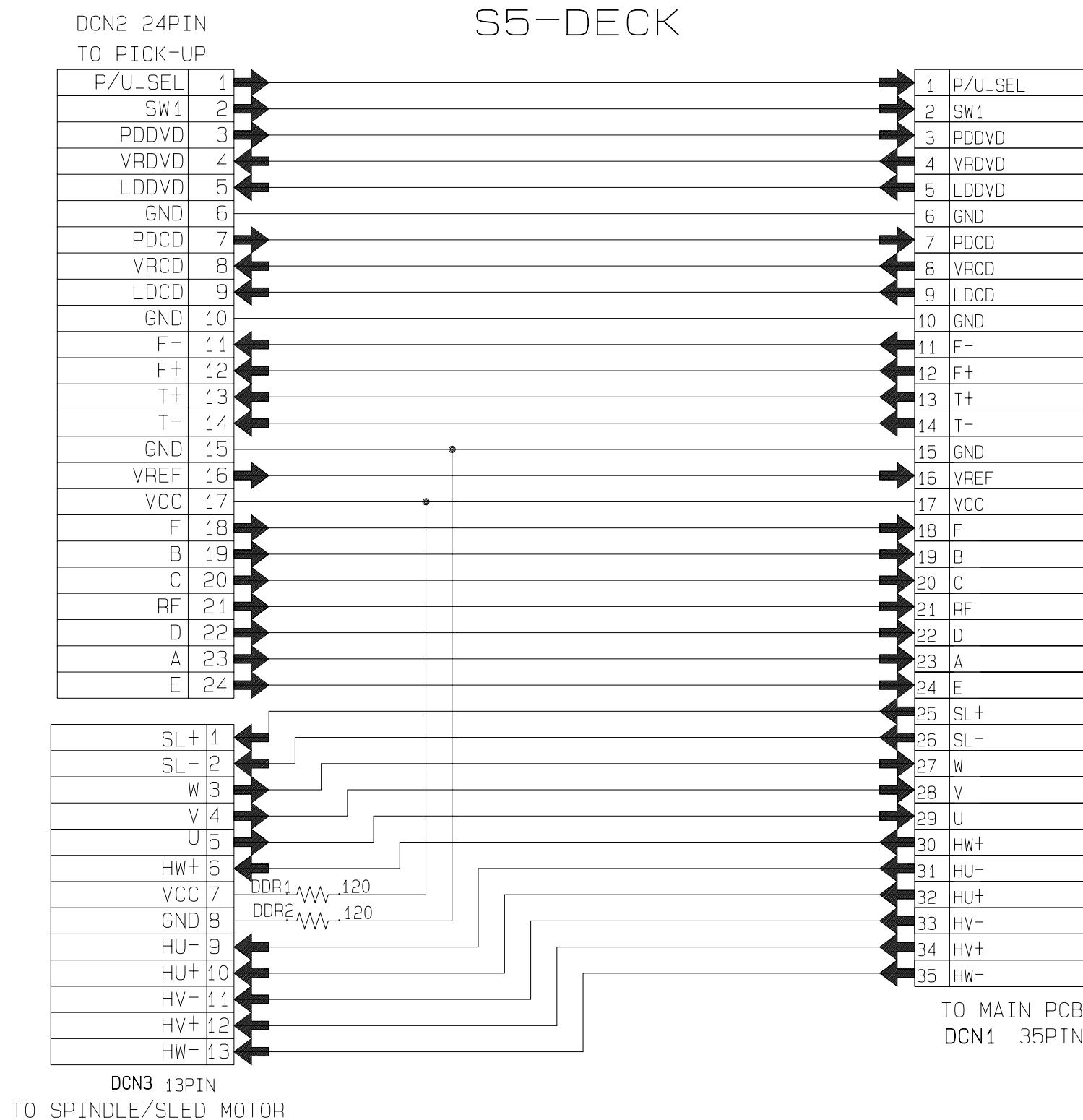
9-6 Key

SELLINO_5CHANGER_RIGHT_KEY

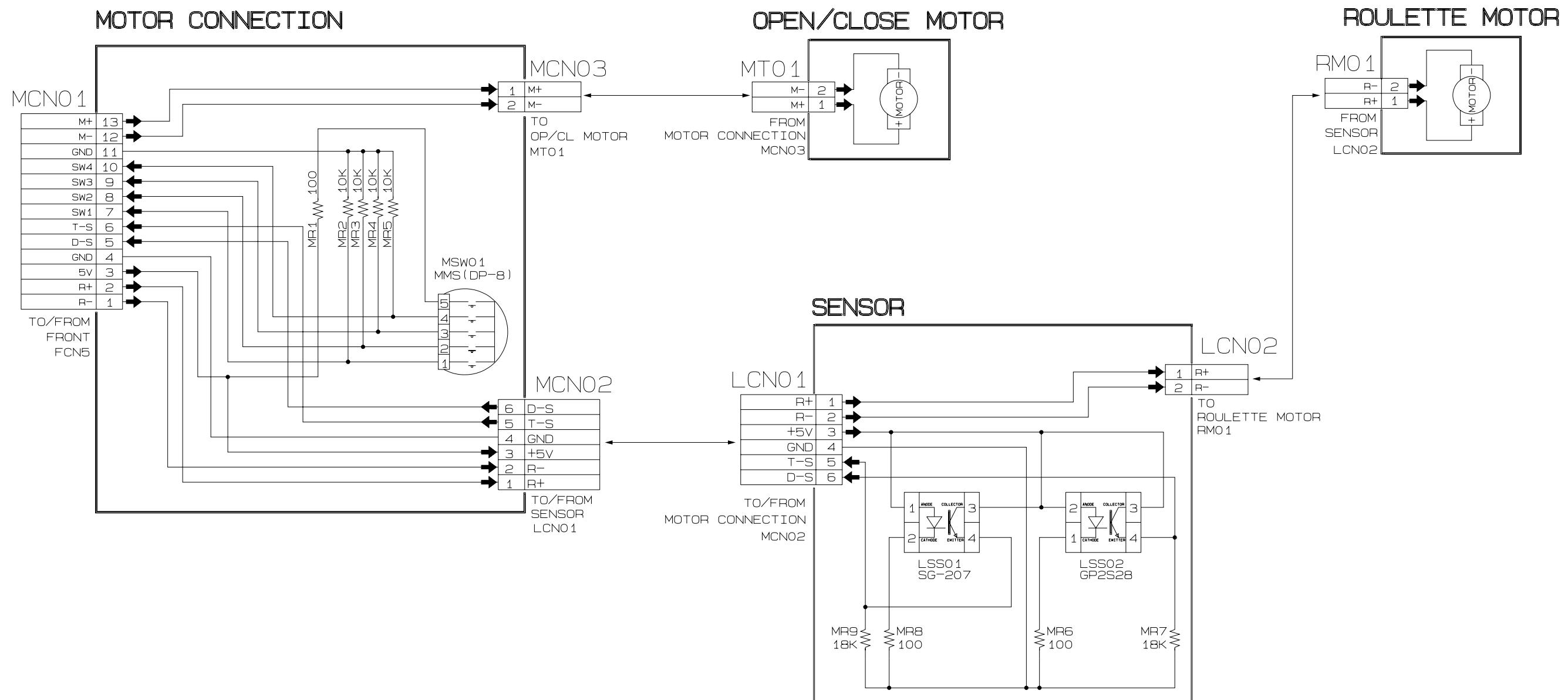


SELLINO_5CHANGER_LEFT_KEY



9-7 Deck

9-8 Motor Connection/Sensor



MEMO

MEMO