



VIDEO CASSETTE RECORDER

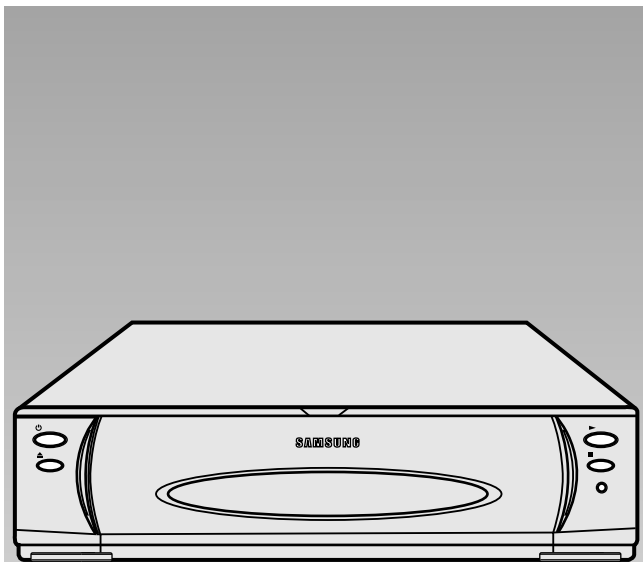
SV-A160X/SV-700X



SERVICE *Manual*

For mechanical disassembly and adjustment, refer to the "Mechanical Manual" (DX7-R/RC, DX8-R/RC → AC68-20316A).

VIDEO CASSETTE RECORDER



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1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including : control knobs and compartment covers.
3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1) :
Warning : Do not use an 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 Publication UL1410, 59.7*).
5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.
6. X-ray Limits :
The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

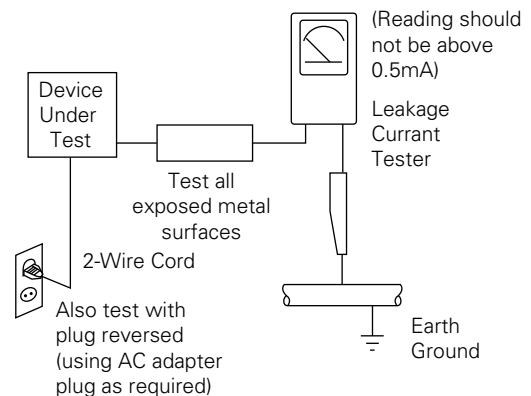




Fig. 1-1 AC Leakage Test

7. Antenna Cold Check :
With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.
8. High Voltage Limit :
High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

Heed the high voltage limits. These include the *X-ray protection Specifications Label*, and the *Product Safety and X-ray Warning Note* on the service data schematic.
9. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
10. Immediately before handling sny semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.
12. Design Alteration Warning :
Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.
13. Hot Chassis Warning :
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.
14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, *regardless of the AC plug polarity*. These units can be safely serviced *only* if an isolation transformer inserted between the receiver and the power source.
15. Never defeat any of the B+ voltage interlocks.
Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
16. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.
17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.
18. Picture Tube Implosion Warning :
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.
19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.
20. Product Safety Notice :
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, ( or ).
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

2. Reference Information

2-1 Servicing Jigs and Special Tools

2-1-1 Servicing guide

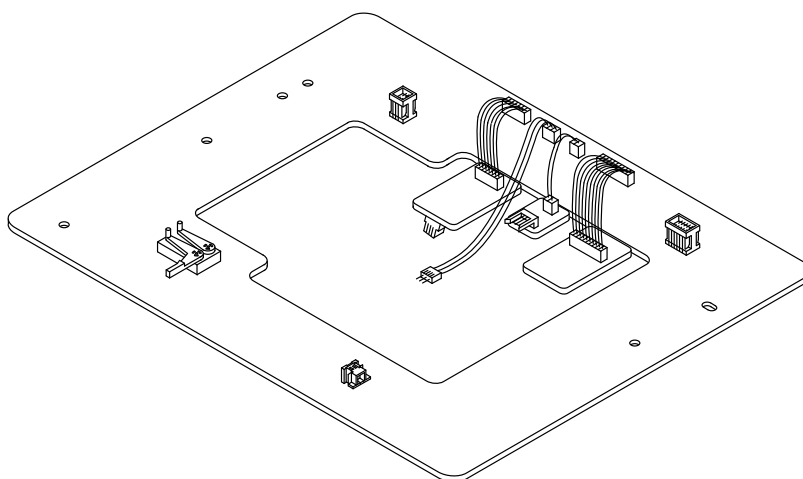
1. For this VCR chassis, the program switch and the sensors (start/end/reel) are located on the main PCB, not on the deck ass'y.
2. As long as the deck ass'y is connected to the main PCB, all repairs are possible.
Important : In order to repair the main PCB without the deck ass'y connected, the X-5 chassis jig should be used.
3. To emulate the function of the sensors, connect a jumper or solder land (two point) at service option(W750) on the function-timer PCB.
4. The X-5 chassis jig can be used for the following :
 - 1) When repairing or confirming the operation of the deck ass'y.
 - 2) When replacing or repairing the components located under the deck ass'y.
 - 3) When repairing the function PCB.
5. The X-5 chassis jig can not be used for the following :
 - 1) Repairing defects in the video section.
 - 2) Repairing defects in the audio section.
 - 3) If the defect is related to tape speed.

Note :

- 1) Repair may not be possible if there is external noise between the deck ass'y and main PCB.
- 2) If tape control signal is not connected to the jig, the VCR must be operated in SP mode.

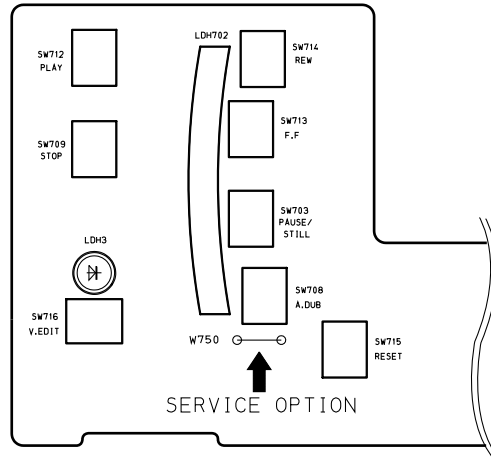
2-1-2 Servicing Jig

Jig Item	Part No.	Use
X-5 Chassis Jig	68140-500-013	Connects the deck ass'y to the main PCB connecting cable.



2-1-4 How to Connect X-5 chassis jig

1. Unplug the power cord from AC outlet.
2. Remove the deck ass'y from main PCB (See Page 4-5 of service manual).
3. To emulate the function of the sensors, place a jumper or solder land (two point) at service option(W750) on the function-timer PCB. (see diagram below).

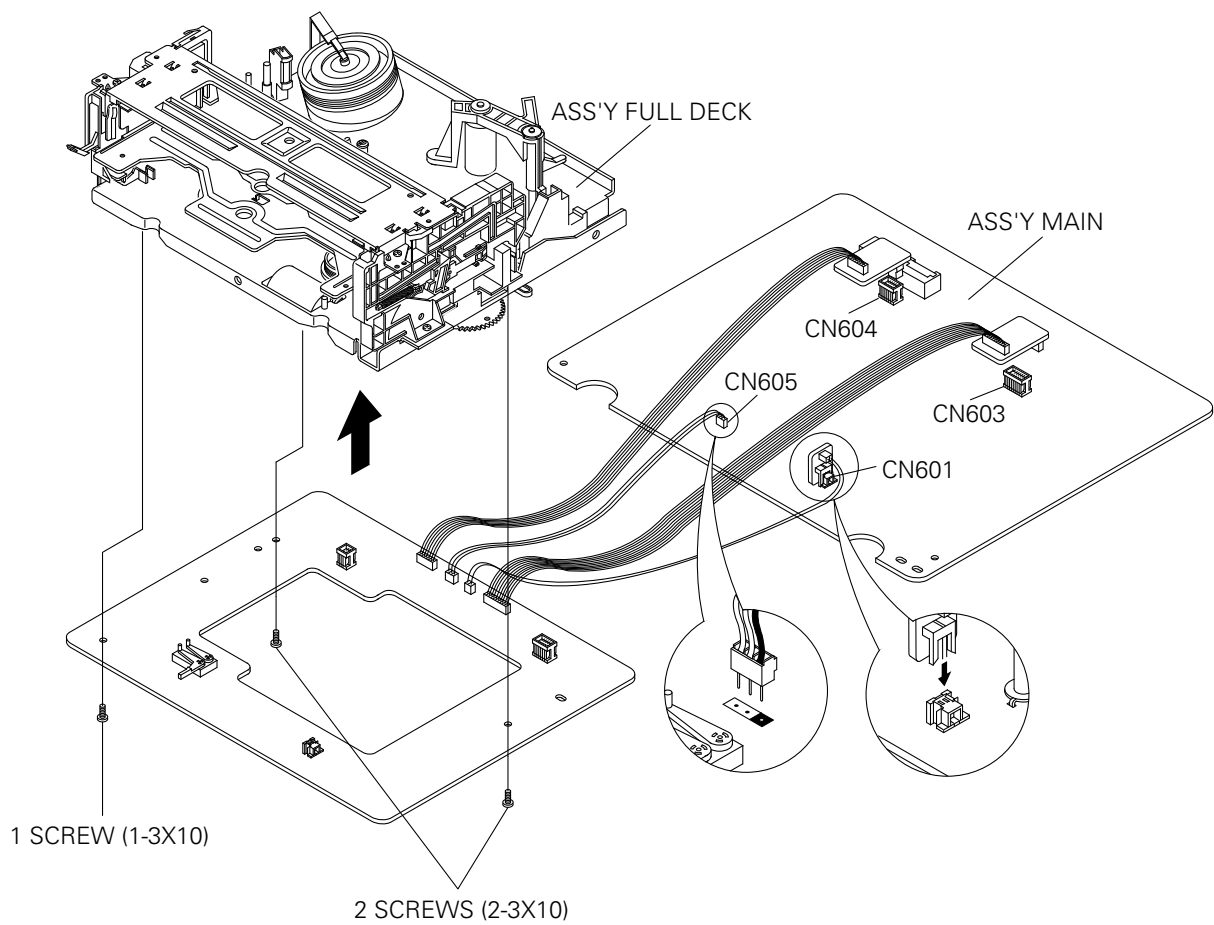
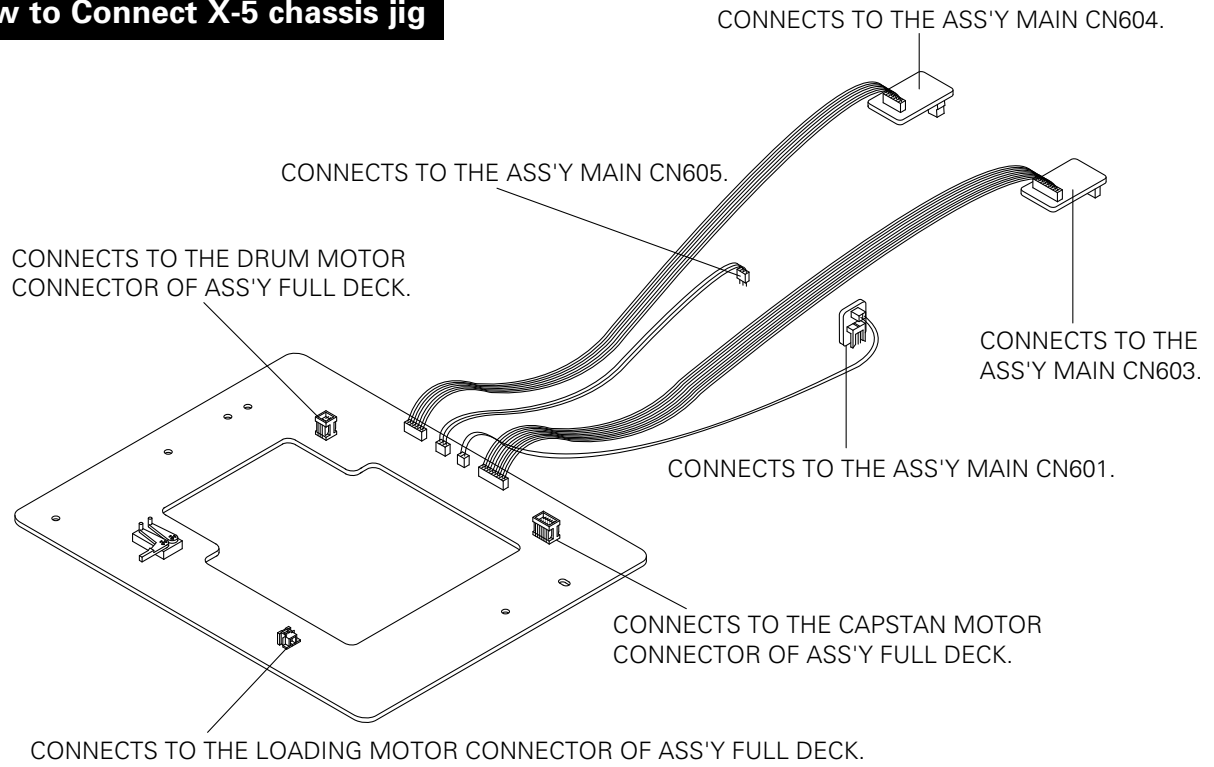


Function-Timer (Component side)

Note : After completing repairs, SW715 on the function PCB in order to reset.

4. Insert wafers of drum motor, capstan motor and loading motor on X-5 chassis jig into each of the connectors of deck ass'y, and then secure with three screws.
5. Solder the 3 leads of the jig cable to "CN605" on the main PCB.
6. Apply power to the function PCB.
7. Insert a test tape into the housing ass'y.
8. Simultaneously touch the start and end sensor LEDs on the PCB, so that the tape loads automatically. After the tape is loaded, all of the function buttons on the function PCB can be used.
9. If the test tape is ejected while the jig is in use, attempt to re-load the tape by simultaneously touching the start and end sensor LEDs. If the tape still does not load, reset the function PCB by pressing SW715.

How to Connect X-5 chassis jig



MEMO

3. Product Specifications and Comparison Chart

3-1 Product Specifications

Design and specifications are subject to change without notice.

Operation	Description
Format	VHS PAL standard
Heads	Video : 4 rotary heads Hi-Fi audio : 2 rotary heads Audio/Control : 1 stationary head Erase : 1 full track erase head Flying erase : 1 rotary head
Receiving channel	VHF-I, VHF-III, UHF, Interband/Hyperband
Television system	STANDARD B/G
Luminance	FM azimuth recording
Colour system	PAL/MESECAM : Down converted subcarrier phase shifted direct recording NTSC PB on PAL TV
Tape speed	SP : 23.39 mm/sec LP : 11.69 mm/sec
Recording/playback time	SP : 3 hours (E-180 Tape) LP : 6 hours (E-180 Tape)
F.F/REW time	About 100-190 sec in REW/F.F with E-180
VIDEO	
Input Output Signal-to-noise ratio Horizontal resolution	0.5 to 2.0 Vp-p : 75 ohm unbalanced 1.0 ± 0.2 Vp-p : 75 ohm unbalanced Better than 43 dB (SP) More than 240 lines (SP)
Audio	
Input Output Wow and flutter (WTD) Signal-to-noise ratio Frequency response	-8 dBm, 47 Kohm unbalanced -8 ± 3 dBm, 1 Kohm unbalanced 0.4% max (SP) 68 dB min (IHF A filter) 20Hz-20KHz
Power requirement	230V (AC 50/60 Hz)
Power consumption	Approx. 21 watts
Operation temperature	41°F-104°F (5°C-40°C)
Operation humidity	10%-75%
Weight	4.4 Kg (net)
Dimensions (W x H x D)	380 x 90.5 x 310 mm

3-2 Comparison Chart

FUNCTION MODEL	SHUTTLE/ JOG	AUDIO DUBBING	VPS/ PDC	ATS	SHOW VIEW	ACS	A2/ NICAM	VIDEO EDIT	SLOW/DLC JUST REC	REMOCON TYPE	VCR/ TV	SELLING AREA
SV-A160X/XEG (SV-700X)	○	○	○	○	○	○	A2	○	○	MULTI	○	GERMANY,AUSTRIA
SV-A160X/XET (SV-700X)	○	○	○	○	○	○	A2	○	○	MULTI	○	ITALY
SV-A160X/XEC (SV-700X)	○	○	○	○	○	○	A2/NICAM	○	○	MULTI	○	SPAIN
SV-A160X/XEE (SV-700X)	○	○	○	○	○	○	A2/NICAM	○	○	MULTI	○	SWEDEN,FINLAND NORWAY,DENMARK
SV-A160X/AMF (SV-700X)	○	○	○	○	○	○	A2/NICAM	○	○	MULTI	○	NEDERLAND
SV-A160X/ATR (SV-700X)	○	○	○	○	○	○	A2	○	○	MULTI	○	SWISS

4. Disassembly and Reassembly

4-1 Cabinet Assembly

Note : Disassemble in the order shown.
Reassemble in reverse order.

4-1-1 Cabinet Top removal

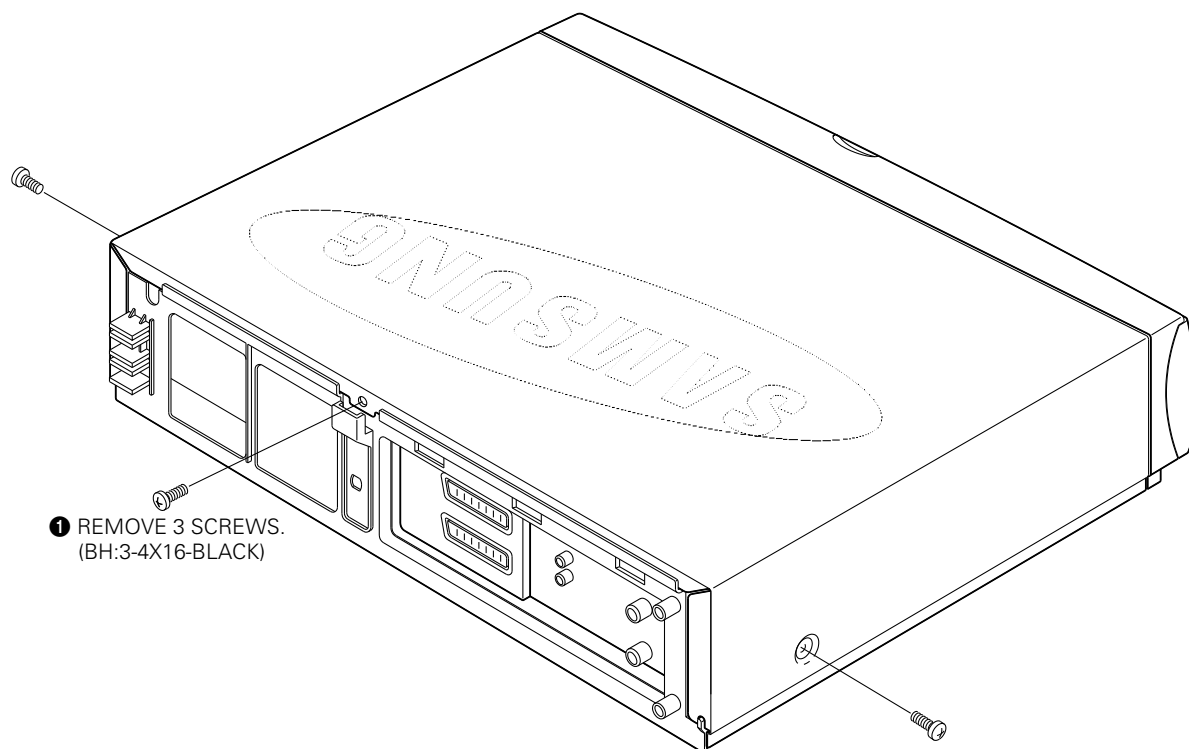


Fig. 4-1 Cabinet Top removal

4-1-2 Bottom cover removal

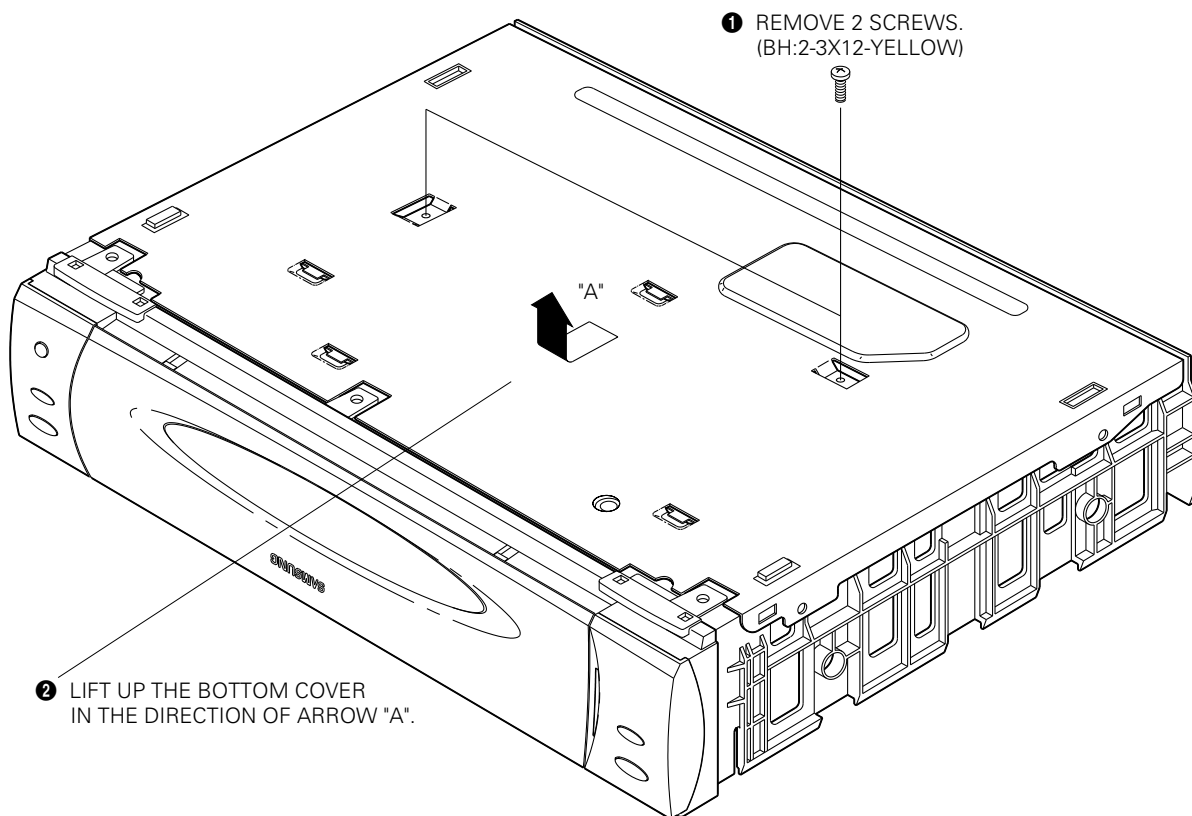
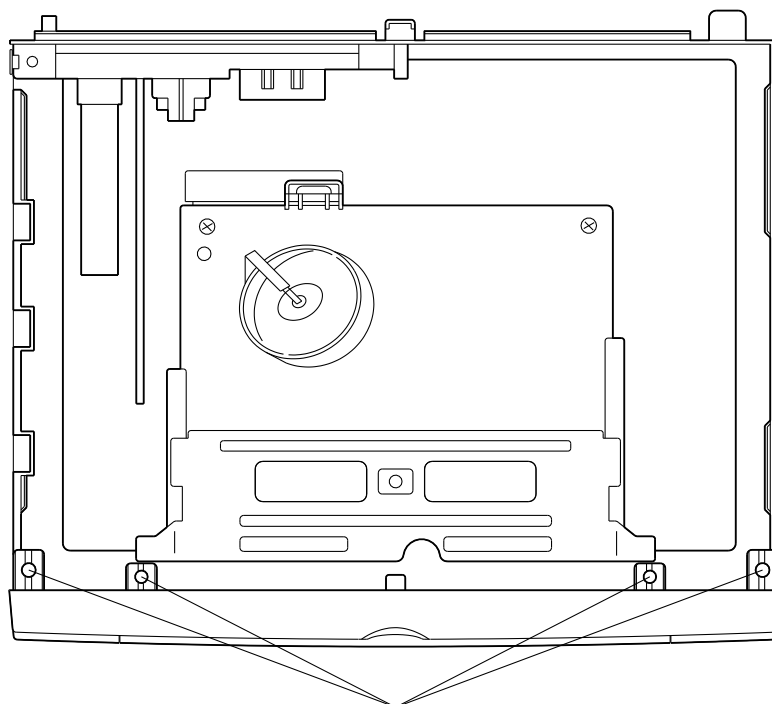


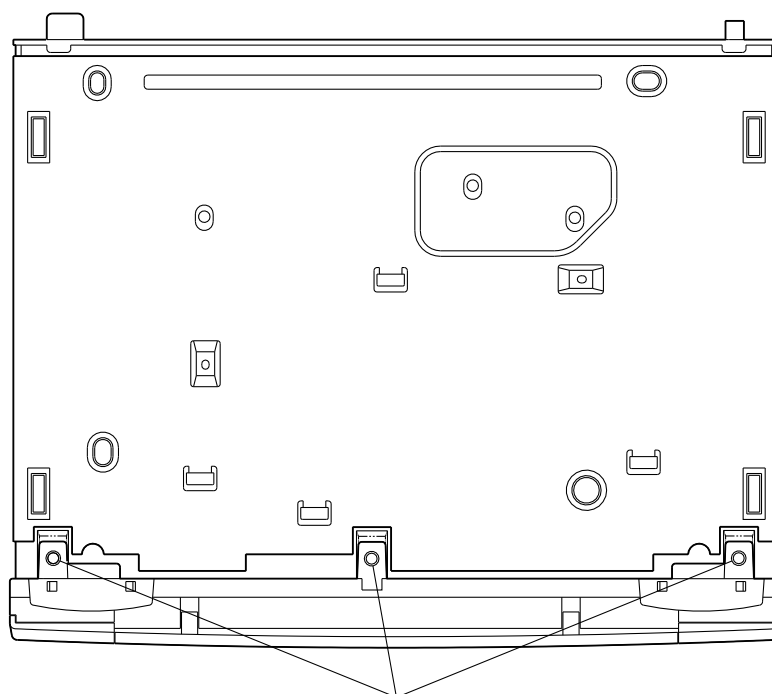
Fig. 4-2 Bottom Cover removal

4-1-3 Ass'y Front Panel removal



❶ RELEASE 4 HOOKS.

(Top view)



❷ RELEASE 3 HOOKS.

(Bottom view)

Fig. 4-3 Ass'y Front Panel removal

4-1-4 Ass'y Function-Timer removal

Note : Take extreme care not to damage the PCB when removing it.

- ② REMOVE THE FUNCTION-TIMER PCB IN THE DIRECTION OF ARROW.

- ① RELEASE 5 TABS.

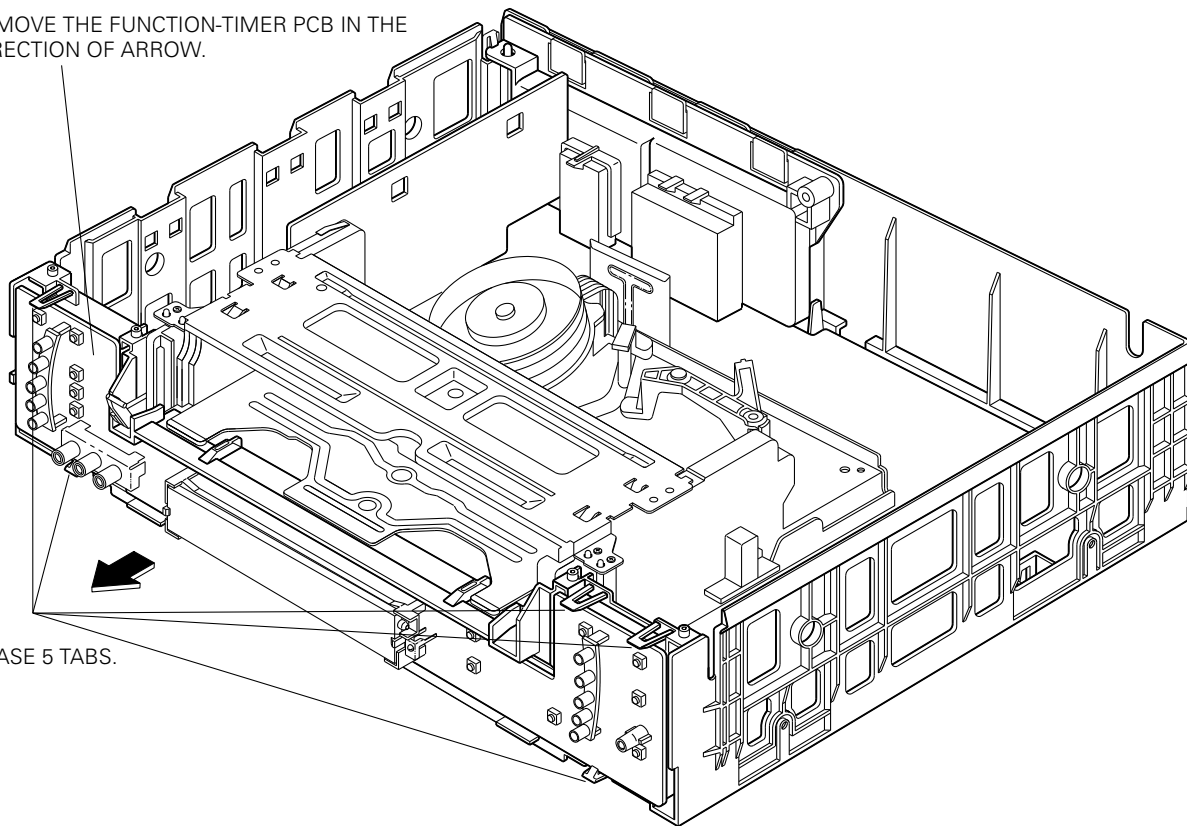


Fig. 4-4 Ass'y Function-Timer removal

4-1-5 Chassis removal

Note : 1. When removing chassis, take extreme care not to damage the main PCB front.
 2. When reinstalling the deck on the main PCB, take extreme care not to damage the sensor.

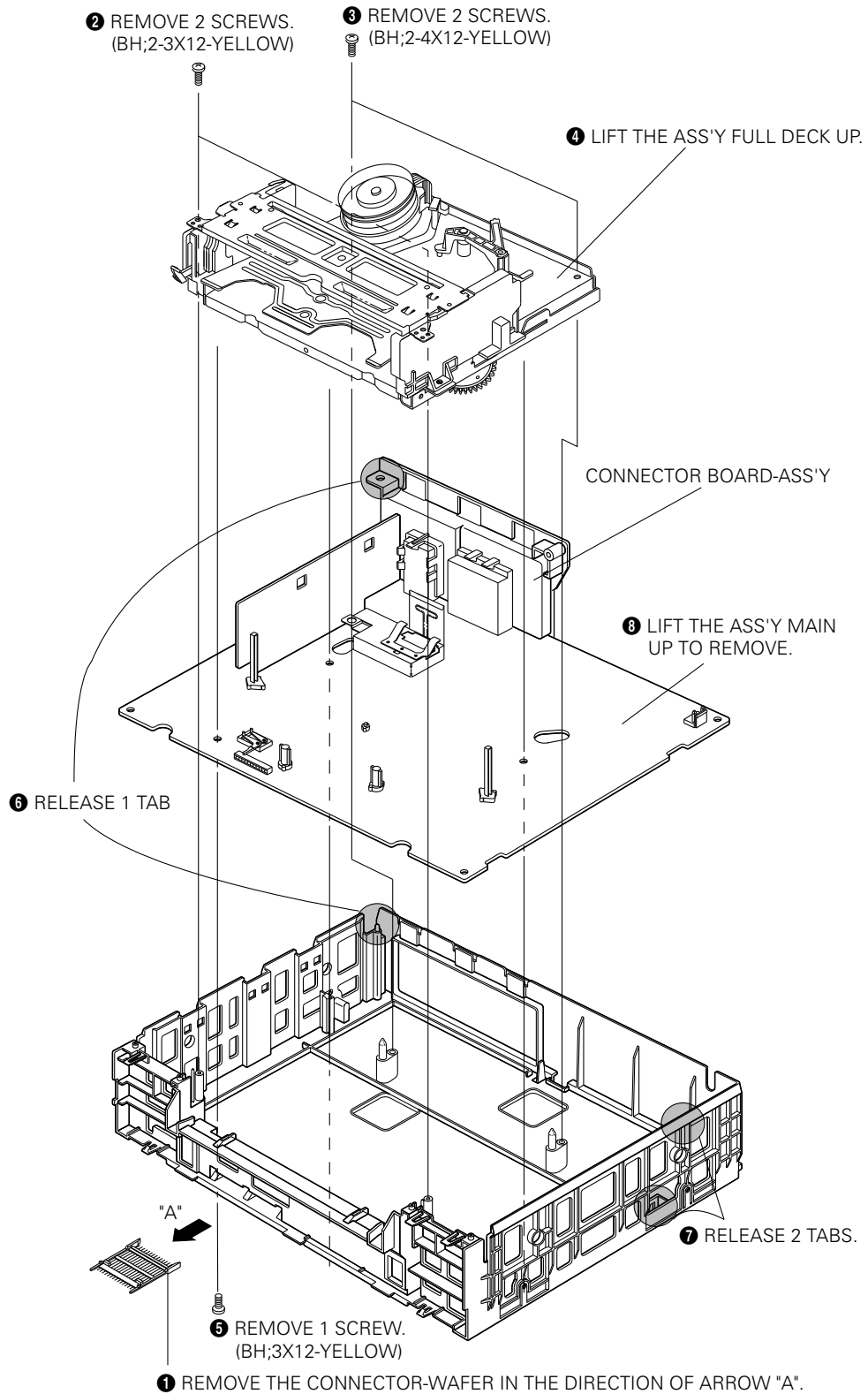


Fig. 4-5 Chassis Removal

4-2 Circuit Board Locations

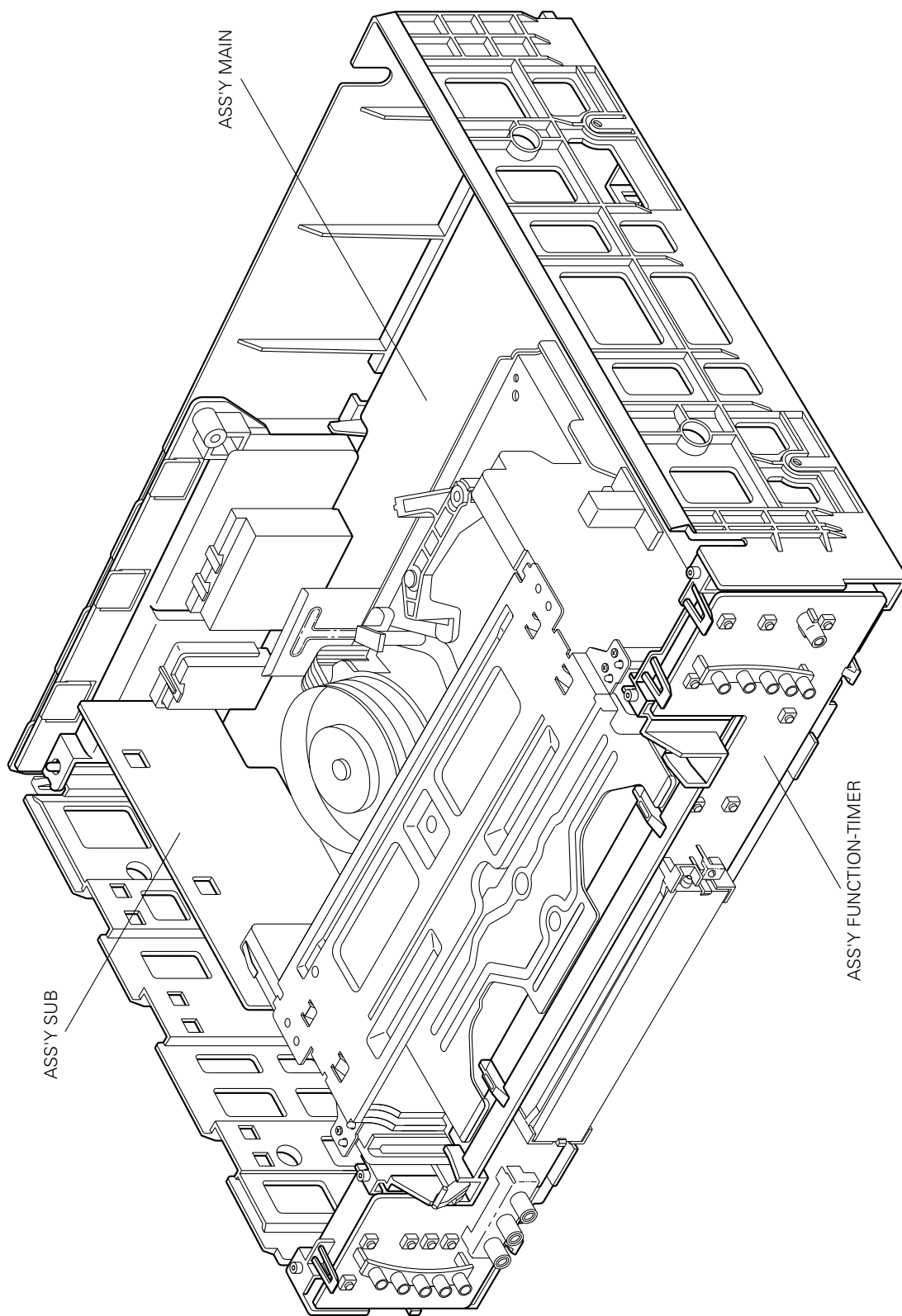


Fig. 4-6 Circuit Board Locations

5. Alignment and Adjustment

Note : After replacing the ass'y full deck, the ass'y main, the cylinder ass'y and the micom(IC601), the remote control ass'y can be used to adjust the "X-point (tracking center) adjustment" and "Head S/W point" adjustment.

5-1 Reference

5-1-1 The type of remote control ass'y

1. Remote control ass'y (AC93-10039Y/69099-633-252) is specified as a service jig in the service manual of X-5/X-6(DX5-R/DX5-RC/DX6-R/DX6-RC) chassis. (See Fig. 5-1)
2. Normal remote control ass'y for X-7/X-8 (DX7-R/DX7-RC/DX8-R/DX8-RC) chassis. (See Fig. 5-2)

5-1-2 How to identify between normal remote control ass'y and multi remote control ass'y for X-7/X-8 chassis (See Fig. 5-2)

1. The color of some buttons related to TV function are gold.
2. Audio button is added instead of the test button hidden behind of inlay.
3. The positions of some buttons are different.

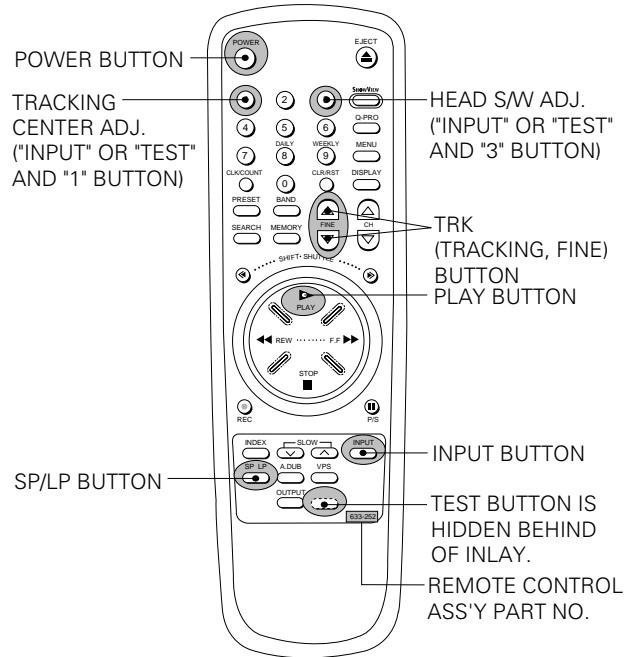


Fig. 5-1 Remote Control Ass'y Jig for X-5/X-6 Chassis (AC93-10039Y/69099-633-252)

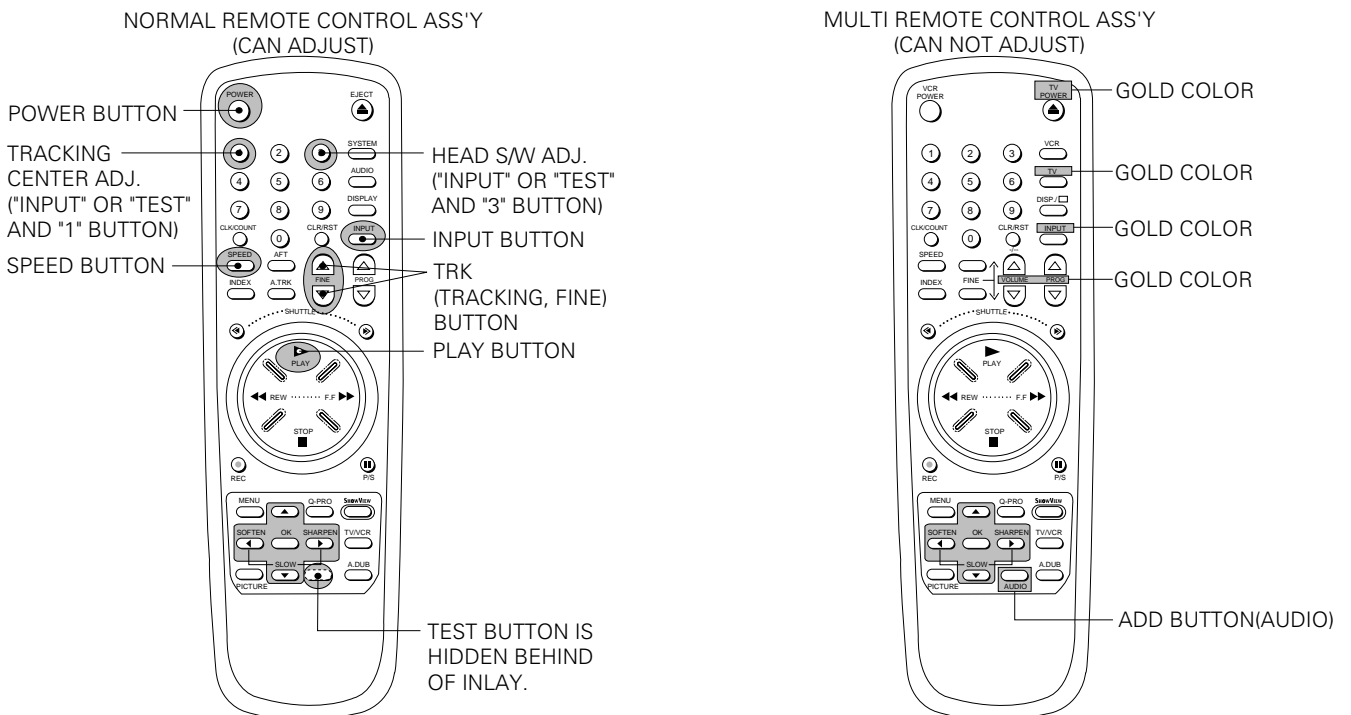


Fig. 5-2 Remote Control Ass'y for X-7/X-8 Chassis

5-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual “DX7-R/DX7-RC/DX8-R/DX8-RC (AC68-20316A)” for the adjustment and confirmation of ass’y full deck.

5-2-1 The number and position of test point

Test point : TP02 (CTL Pulse)
TP03 (H'D S/W -Trigger)
TP04 (V. Envelope)
TP05 (Audio out)

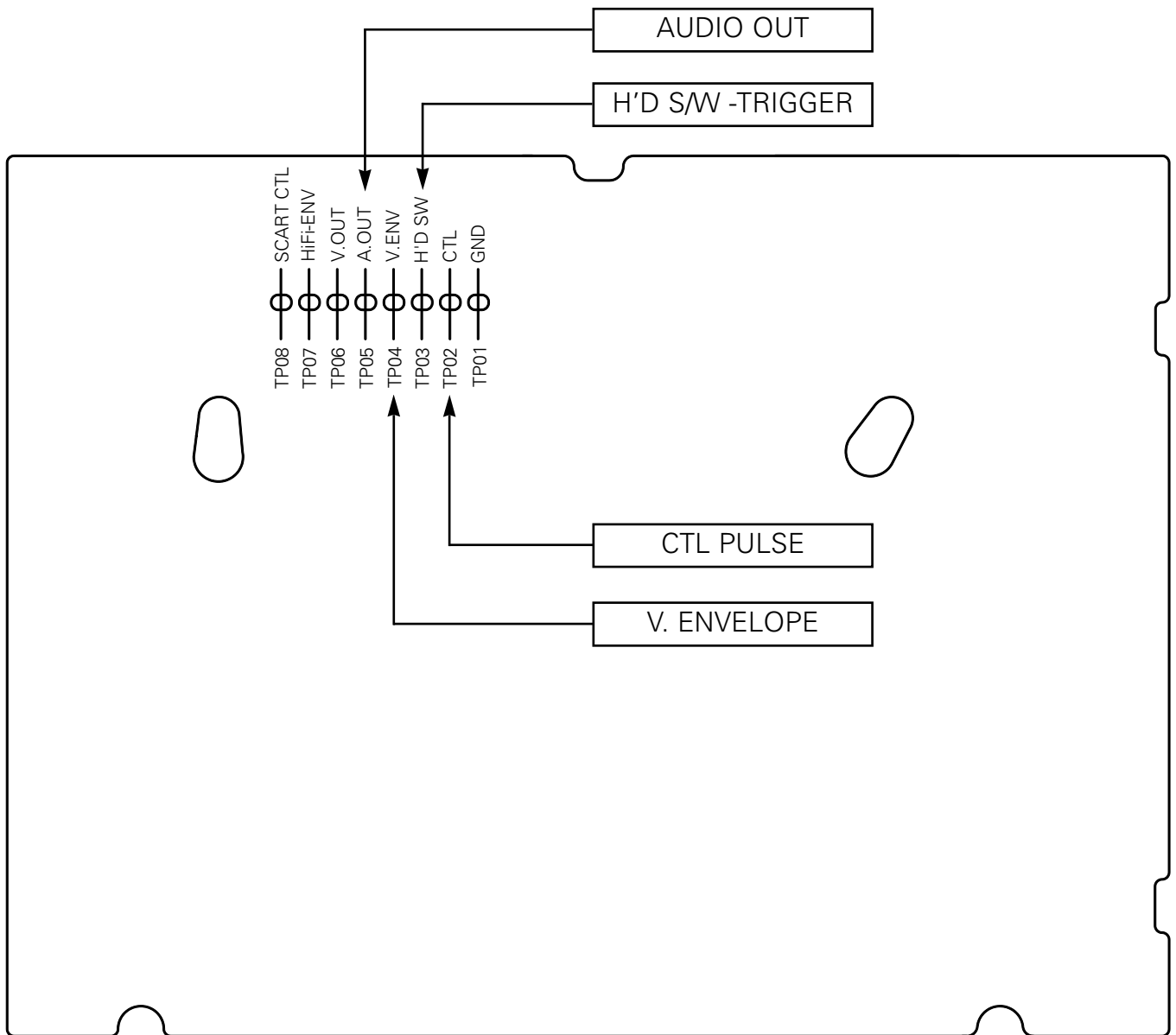


Fig. 5-3 The position of test point (Main PCB-Component side)

**5-2-2 X-Point(Tracking center) adjustment
(See the 2-2-1 (d) AC HEAD
POSITION(X-POINT) ADJUSTMENT
on page 2-3 of the mechanical
manual)**

5-2-2 (a) IF THE REMOTE CONTROL ASS'Y IS NOT AVAILABLE

1. Playback the colorbar alignment tape.
2. Connect CH-1 scope probe to "TP02" and CH-2 scope probe to "TP03". And then, trigger head switching pulse.
3. Set tracking preset to 11msec (2head : 2.7msec, 4, 6head : 11msec) using the "FINE(Tracking, TRK)" button ▲ / ▼ of the other remote control ass'y except the remote control ass'y jig for X-5/ X-6 chassis and the normal remote control ass'y for X-7/X-8 chassis.
4. Connect CH-1 scope probe to "TP02" and the CH-2 to "TP03" trigger on CH-1.
5. Insert the adjusting driver (+) into X-position adjusting gear. Adjust the driver in either direction for maximum envelope waveform.

Note : Since the adjusting gear unit may be damaged, do not adjust by force when adjusting the X-point using the adjusting driver (+). After turn the X-point adjusting screw (D) counterclockwise a little, perform the adjustment. After adjustment is completed, tighten the screw.

<Setting of scope>

- Volt/div. : CH-1 = 0.1V - Time/div. : 5msec
 CH-2 = 0.2V

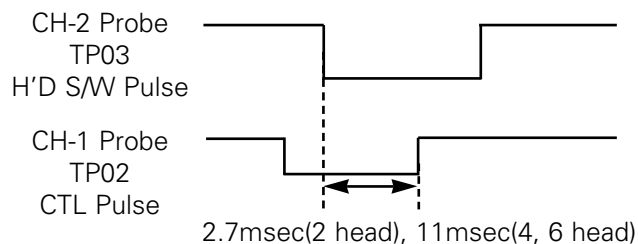


Fig. 5-4 Tracking preset adjustment

REMOTE BUTTONS	CONTROL PULSE REMOVE
TRACKING ▲ ← PUSH ▼	
TRACKING ▲ ▼ ← PUSH	

Fig. 5-5 Tracking preset adjustment

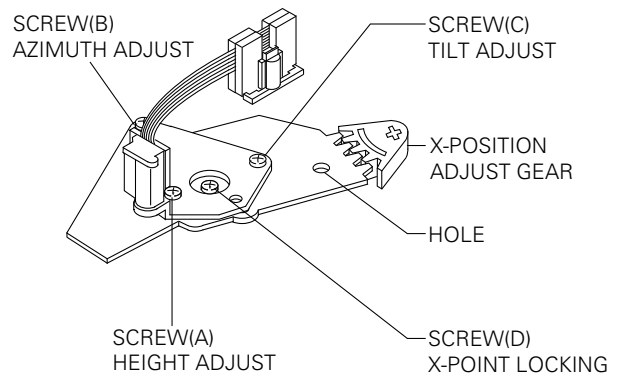


Fig. 5-6 Location of A/C Head adjustment screw

5-2-2 (b) IF THE REMOTE CONTROL ASS'Y (AC93-10039Y/69099-633-252) IS AVAILABLE

Note : How to use the "TEST" button.

1. Disattach the inlay of remote control ass'y. (See Fig. 5-1 and Fig. 5-2)
2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)

1. When using the "INPUT" button of remote control ass'y;

- 1) Simultaneously press the "INPUT" button and "1" button in PB mode. This will adjust the tracking center automatically.
- 2) Set the tracking preset using the "FINE(Tracking, TRK)" button of remote control.
- 3) After adjustment is completed, press the "POWER" button to release.

2. When using the "TEST" button of remote control ass'y ;

- 1) Simultaneously press the "TEST" button and "5" button in PB mode. This will adjust the tracking center automatically.
- 2) Set the tracking preset using the "FINE (Tracking, TRK) button of remote control.
- 3) After adjustment is completed, press the "POWER" button to release.

5-2-2 (b) IF THE NORMAL REMOTE CONTROL ASS'Y OF X-7/X-8(DX7-R/DX7-RC/DX8-R/DX8-RC) CHASSIS IS AVAILABLE

Note 1 : Two kinds of remote control ass'y are used for X-7/X-8(DX7-R/DX7-RC/DX8-R/DX8-RC) chassis.

1. One is a normal remote control ass'y, the other is a multi remote control ass'y
2. All adjustments are adjusted by normal remote control ass'y only.
3. For the identification of normal remote control ass'y and multi remote control ass'y, See page 5-1.

Note 2 : How to use the "TEST" button.

1. Disattach the inlay of remote control ass'y.
(See Fig. 5-1 and Fig. 5-2)
 2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)
-
1. When using the "INPUT" button of remote control ass'y;
 - 1) Simultaneously press the "INPUT" button and "1" button in PB mode.
This will adjust the tracking center automatically.
 - 2) Set the tracking preset using the "FINE(Tracking, TRK)" button of remote control.
 - 3) After adjustment is completed, press the "POWER" button to release.
 2. When using the "TEST" button of remote control ass'y ;
 - 1) Simultaneously press the "TEST" button and "5" button in PB mode.
This will adjust the tracking center automatically.
 - 2) Set the tracking preset using the "FINE (Tracking, TRK) button of remote control.
 - 3) After adjustment is completed, press the "POWER" button to release.

5-3 Electrical Adjustment

5-3-1 Head S/W Adjustment

Note : Only remote control ass'y can adjust.

5-3-1 (a) IF REMOTE CONTROL ASS'Y
(AC93-10039Y/69099-633-252) IS
AVAILABLE

1. When using the "INPUT" button of remote control
ass'y ;

- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "INPUT" button and "3" button
simultaneously.
- 4) This will adjust the head S/W point adjustment
automatically.
- 5) After the adjustment is completed, press
"POWER" button to release.

2. When using the "TEST" button of remote control
ass'y ;

- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "TEST" button and "SP/LP" button
simultaneously.
- 4) This will adjust the head S/W point adjustment
automatically.
- 5) After adjustment is completed, press the
"POWER" button to release.

5-3-1 (b) IF NORMAL REMOTE CONTROL
ASS'Y FOR X-7/X-8(DX7-R/DX7-RC/
DX8-R/DX8-RC) CHASSIS IS
AVAILABLE

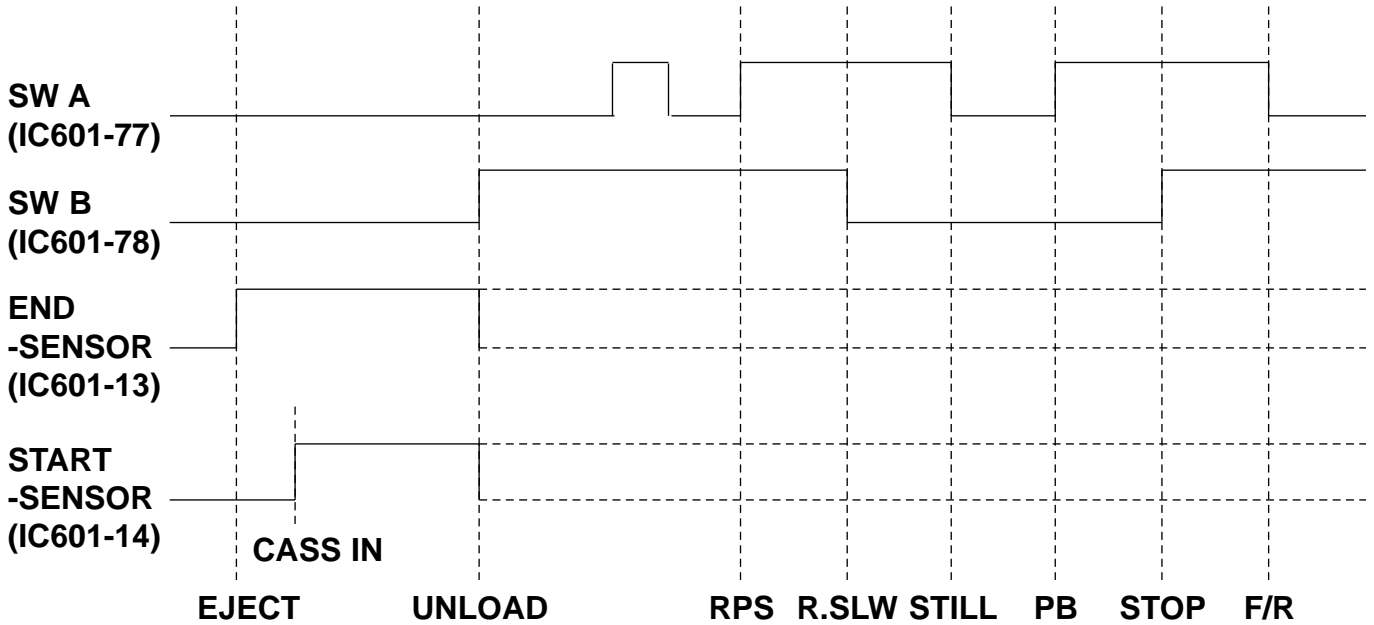
1. When using the "INPUT" button of remote control
ass'y ;

- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "INPUT" button and "3" button
simultaneously.
- 4) This will adjust the head S/W point adjustment
automatically.
- 5) After the adjustment is completed, press
"POWER" button to release.

2. When using the "TEST" button of remote control
ass'y ;

- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "TEST" button and "SPEED" button
simultaneously.
- 4) This will adjust the head S/W point adjustment
automatically.
- 5) After adjustment is completed, press the
"POWER" button to release.

5-4 Timing Chart of Program S/W

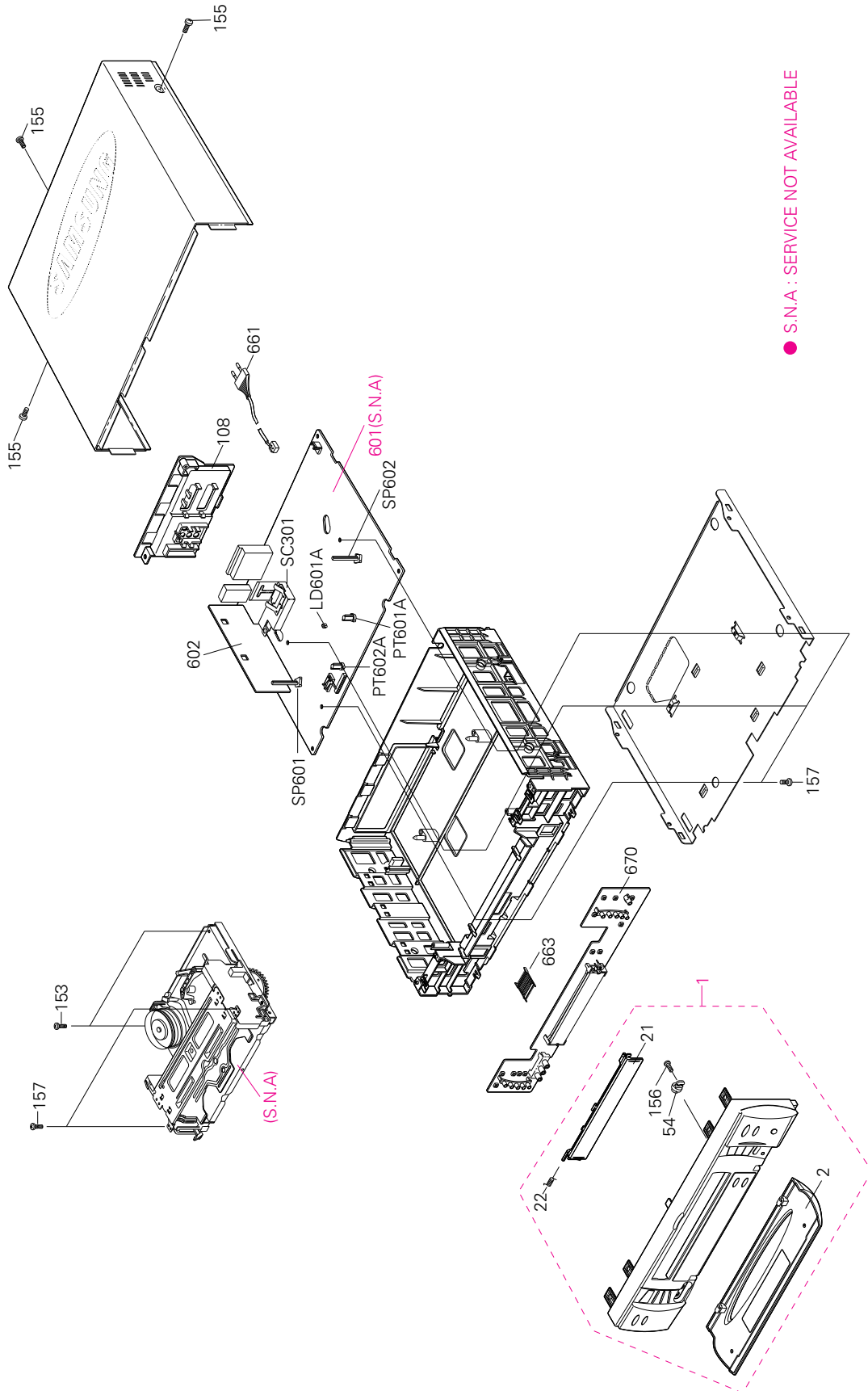


Position	Program S/W (SW601)				Action Mode
	E/S	S/S	SW A	SW B	
Eject	L	L	L	L	Eject
Cassette IN	H	L H	L	L	Cassette IN
Unload	-	-	L	L H	Unload
R. PS	-	-	L H	H	R. PS, Z-R. PS
R. Slow	-	-	H	H L	Pinch Roller off Position
Still	-	-	H L	L	Still, Slow, F-ADV
Play	-	-	L H	L	PB, T-Stop, REC, Pause, F. PS, Z-FPS
Stop	-	-	H	L H	Stop, Power off
FF/REW	-	-	H L	H	FF, REW

6. Exploded View and Parts List

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6-1 Cabinet Assembly

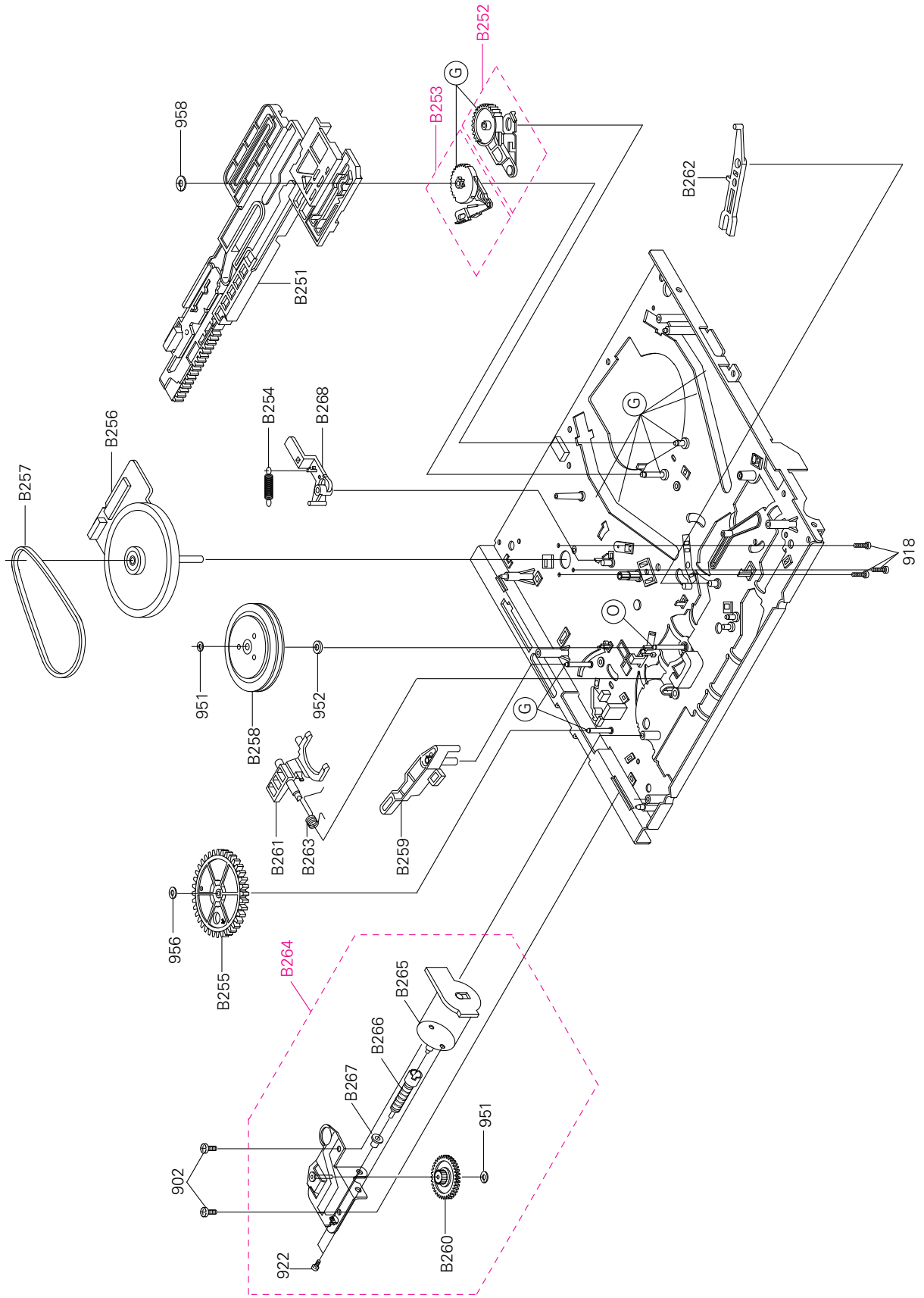


● S.N.A : SERVICE NOT AVAILABLE

Loc. No	Part No	Description and Specification	Remark
-	DO NOT ORDER	ASSY-FULL DECK;(DX8-R)	(S.N.A)
1	AC98-11224S	ASSY-PANEL FRONT;SV-A160X,HIPS94HB	
2	AC98-11225L	ASSY-FRONT DOOR;SV-A160X/SEG,IS PAL HI-F	
21	AC64-50838F	DOOR-CASSETTE;SV-A160X,ABS94,HB,T2.5,L19	
22	AC61-62003A	SPRING;-;SUS304,(GE/RCA),-;-;-	
54	62664-0021-00	DAMPER(ASSY);SV-70D	
108	AC61-10972V	CONNECTOR BOARD-ASSY;SV-A160X/SEG,HIPS94	
153	AC60-12126A	SCREW-BH;-;BH,-;4*12,FE,FZY,-;-	
155	AC60-12134A	SCREW-TAP BH;-;BH,-;2-4X16,-;FE	
156	AC60-10069A	SCREW-TAPTITE;PH,+;-;M3,L10,ZPC3,SWRCH18	
157	AC60-10063A	SCREW-TAPTITE;BH,+;-;M3,L12,ZPC3,SWRCH18	
601	DO NOT ORDER	ASSY-MAIN	(S.N.A)
602	AC93-10829P	ASSY-SUB;SV-A160X/SEG,IS PAL HI-FI A2	
661	AC39-10019A	POWER CORD;KKP-419C,H03VVH2-F,VDE/KEMA-K	
663	3711-002603	CONNECTOR-HEADER;NOWALL,20P,1R,1.5MM,STR	
670	AC93-10828Z	ASSY-F/TIMER;SV-A160X/SEG,IS PAL HI-FI	
LD601A	AC61-22345A	HOLDER-LED;POM,-;-;-;-	
PT601A	AC61-22344A	HOLDER-PHOTO;POM,-;-;-;-	
PT602A	AC61-22344A	HOLDER-PHOTO;POM,-;-;-;-	
SC301	AC98-12027B	ASSY-SH/CASE P/AMP;SV-A160X/SEG,IS-PAL A	
SP601	AC61-22321A	HOLDER-TR;POM,-;-;-;-	
SP602	AC61-22321A	HOLDER-TR;POM,-;-;-;-	

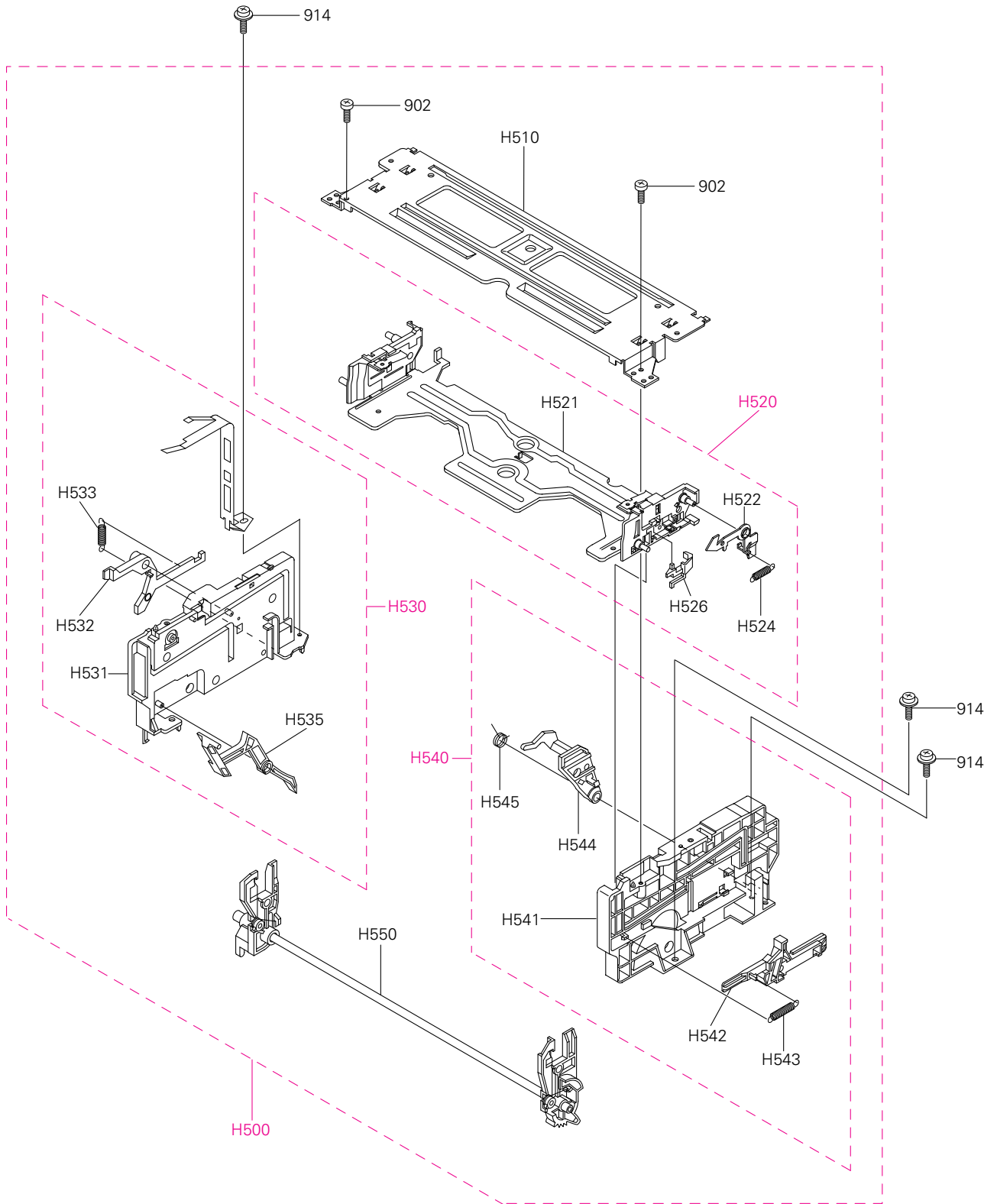
Loc. No	Part No	Description and Specification	Remark
900	AC60-12091A	SCREW-MACHINE;FP,BH,-,M3,L4,SWRCH10A,YEL ROB	
901	AC60-10012A	SCREW-MACHINE;BH,+,M3,L8,-,FE,-,-,-	
904	AC60-12125A	SCREW-PH;-,-,-,M3X6 TAP TITE,-,-,-,-,-	
905	AC60-12096A	SCREW-MACHINE;FP,PH,-,M2.6,X10,SWRCH1-A,YEL	
912	67094-604-710	SCREW-DAMPER;M2.0X7.0 SWCM 10(MFZN2-C)	
919	AC60-10004A	SCREW-MACHINE;BH,+,M3,L8,ZPC,SWRCH18A,-,-,-	
920	AC60-10007A	SCREW-TAPPING;BH,+,M2.6,L12,-,SWRCH18A,-,-,-	
952	AC60-30018A	WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLIDER,	
956	AC60-30007A	WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1,-,-	
957	AC60-30008A	WASHER-SLIT;-ID3.5,OD9,T0.5,SPC1,-,-	
T201	AC66-10023A	REEL-DISK L ASSY;POM,-,PACKAGE,X-5,-	
T202	AC66-10022A	REEL-DISK R (ASSY);POM,-,PACKAGE,X-5,-	
T203	AC66-30474A	BRAKE-SUB L;-PBT,-,-,-,X-5/IS	
T204	AC66-30148A	BRAKE SUB R-ASSY;PBT,-,-,-,X5,-	
T207	AC66-30475A	BRAKE-MAIN L ASS'Y;-POM+PELT,-,-,-,X-5/IS	
T208	AC66-30476A	BRAKE-MAIN R ASS'Y;-POM+PELT,-,-,-,X-5/IS	
T209	AC61-60112A	SPRING- BRAKE MAIN;ES,SUS304WPB,PI0.35,ID2.8,OD4.	
T210	AC66-20073A	GEAR RELAY S-ASSY;-PEBAX,M0.5,M48,SPX5,-	
T211	AC66-20037A	GEAR- RELAY T;PEBAX7033,X-5,Z39,GEAR-SPUR,D1	
T212	AC66-30073A	ARM-TENSION ASSY;-,-,-,CKD,DX5-R,-	
T216	AC61-60119A	SPRING TENSION;ES,SWPB,PI0.35,ID2.1,L33(OD3.8),-	
T217	AC66-30470A	LEVER-REC S/W;-PBT #3300,T4.0,L32,-,(X-5/IS	
T218	AC61-62017A	SPRING-SUB BRAKE L;ES,SUS304,PI0.23,D3.5,L14.8,-	
T219	AC33-10003P	HEAD- MAGNET F/E;MH131S,-,-,-,L51.05XW7.4XH12.3	
T220	AC66-82050A	SLIDER-G/R ASSY(S);-,-,-,-,X-5	
T221	AC66-82059A	SLIDER-G/R ASSY T;-,-,-,-,X-7(VW-31H)	
T222	AC33-10002E	HEAD-CLEANER;-,-,-,-,X-5	(OPTIONAL)
T223	AC66-20065A	RACK-HOUSING;L74.29,POM M90-44,BLK,M1,3.14,	
T224	AC33-10215A	HEAD-ACE ALL ASSY;-X-7,-,-,-	
T225	AC66-80005A	SLIDER-PINCH;POM(M90-44),T2,L54.35,NAT,DX-5	
T226	AC66-30014A	LEVER-REVIEW;ZYTEL(70G-43L),T3.8,-,PCD25.6,	
T227	AC66-30099A	ARM REVIEW CKD;-,-,-,-,DX5-RV,-	
T228	AC66-30013A	LEVER-PINCH CAM;PBT 6300T,-,L45,W9,X-5,-	
T229	AC66-30003A	LEVER PINCH COUP;PBT 3300,T7.5,L45.25,-,-,X-5	
T230	AC61-60116A	SPRING- PINCH COMP;TS,SWPB,PI1.0,D6,L38(OD8),-	
T231	AC67-32001A	PRISM-LED;PMMA,D5,IF-850,-,-,-	
T232	AC66-82049A	SLIDER-PUSH;LUPOX 2150,T2,-,NTR,-	
T233	AC61-62016A	SPRING-SLIDE PUSH;ES,SUS304WPB,PI0.55,D3.55,L24.	
T234	AC59-90001B	UNIT-PINCH ROLLER;X-5,-,YAMAUCHI	
T236	AC66-10010A	IDLER-ASSY;PACKAGE,-,X-5,-	
T237	AC61-40054A	STOPPER-TAPE;POM M90-44,OD7,T1.5,NTR,X-5,-	(OPTIONAL)
T238	AC61-60132A	SPRING ARM PINCH;CS,SUS304WPB,PI0.4,D7.1,OD7.9,	
T239	AC66-30132A	LEVER JOG-ASSY;-,-,-,-,X5,-	(DX8-R/RC ONLY)
T240	AC61-60505A	SPRING-REC S/W;-ES,SUS304 WPB,PI0.29,PI3.5,-	
T300	AC96-10475Y	ASSY-CYLINDER;-CX5-H7P/DLC	
T302	AC31-12001M	MOTOR-CYLINDER;E20XL03,-,-	
T303	AC33-12004S	HEAD-BRUSH(ASSY);SECC20/20+CARBON,-,-,-,-	
T309	AC73-12001A	RETRINER-RUBBER(ASSY);SECC+SILICON,-,-,-	

6-3 Mechanical Parts (Bottom Side)



Loc. No	Part No	Description and Specification	Remark
902	AC60-10051A	SCREW-TAPPING;BH,-,-,M3,L8,FZY	
918	AC60-10006A	SCREW-MACHINE;BH,+I90,M2.6,L7,ZPC,SWRCH18A,-	
922	67008-130-171	SCREW PH;+M3X3 FE FZY	
951	AC60-30025A	WASHER-SLIT;-ID2.5,OD5.0,T0.5,POLY SLIDE,	
952	AC60-30018A	WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLIDER,	
956	AC60-30007A	WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1,-,-	
958	AC60-30028A	WASHER-SLIT;-D2.5,D9.0,T0.5,NUMIRROR,-,-	
B251	AC66-80003A	SILDER- MAIN;PBT2002K,T12.4,L206.2,NAT	
B252	AC66-20019A	GEAR-LOADING L ASSY;-,-,-,PACKAGE,-,X5,-	
B253	AC66-20069A	GEAR LOADING R;-,-,-,-,X5,-	
B254	AC61-60115A	SPRING-BRAKE CAPSTAN;ES,SUS304WPB,PI0.4,D22,L16.1(
B255	AC66-20004A	GEAR-MASTER;POM (M90-44),M 1,Z 60,SP,-,X-5	
B256	AC31-12001R	MOTOR-D/D CAPSTAN;DMVCMC06A,-,-	
B257	AC66-62008A	BELT-CAPSTAN;-DLB-601,T2.8,L134,9,BLK	
B258	AC66-20066A	CLUTCH-ASSY;-,-,-,-,X5,-	
B259	AC66-32185A	LEVER-SLIDER PINCH;PBT,T4,NAT,-,-,-	
B260	AC66-20016A	GEAR- WORM WHEEL;POM SW-01,M0.55/M1,Z57/Z10,GEA	
B261	AC66-30011A	LEVER- SHIFT;PBT2002K,T10.9,L35,-,-,-	
B262	AC66-30012A	LEVER- IDELR CHANGE;PBT330,T3.3,L50,-,W6.0,-	
B263	AC61-60111A	SPRING-LEVER SHIFT;TS,SWPB,PI0.7,D5.5,L13.8(OD6.9	
B264	AC59-90001A	UNIT-LOADING ASSY;X5,-,-	
B265	66823-0060-00	MOTOR-LOADING ASSY;POM+RF370C X-5	
B266	AC66-20039A	GEAR- WORM LO;PBT 2002K,-,-,-,D4.5,3,-	
B267	AC61-20224A	HOLDER SHAFT;POM M90-44,T1.25,NAT,PI5XH5.5,	
B268	AC66-30149A	BRAKE CAPSTAN-ASSY;POM,-,-,-,X5,-	

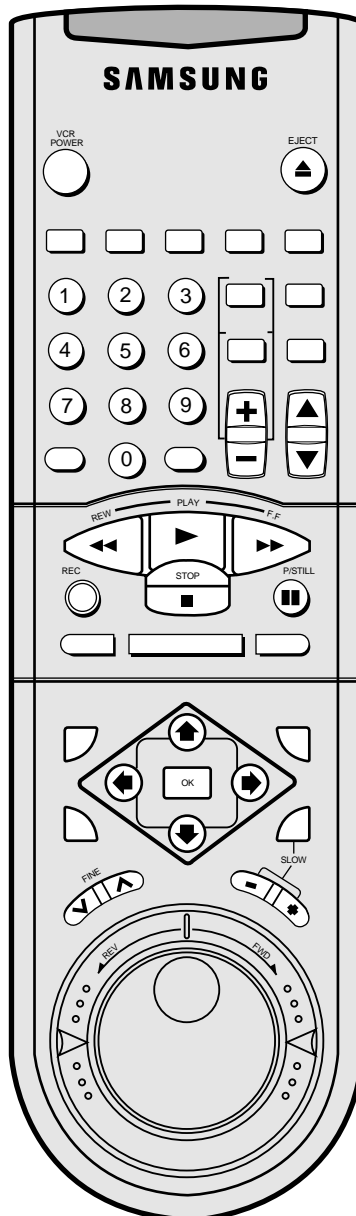
6-4 Housing Assembly



Loc. No	Part No	Description and Specification	Remark
902	AC60-10051A	SCREW-TAPPING;BH,-,-,M3,L8,FZY	
914	AC60-10067A	SCREW-TAPTITE;PWH,+,-,M3,L8,MFZN2-C,SWCH1018	
H500	AC61-82014D	HOUSING-ASSY;-X7FL26280B,230X130X60,-,X-7	
H510	AC61-10006A	CHASSIS- UPPER;SECC 20/20,-,T1.0,BLK,-,X5,-	
H520	AC61-20932B	HOLDER-CASSETTE ASSY;-X5FL06080A,-,-,-,X-7	
H521	AC61-20922B	HOLDER-CASSETTE;-SECC T1.2,-,NAT,-,X-7	
H522	AC66-30018A	LEVER-LOCK R;SECC 20/20,T1.2,L44,W32,-,-	
H524	AC61-60121A	SPRING-LEVER LOCK;ES,SUS304 WPB,PI0.2,D2.6,L9.9(
H526	AC66-30019A	LEVER-KEY CASSETTE;LUCEL N109-LD,T2.5,L20,W15.2,-	
H530	62203-0105-00	CHASSIS-SIDE L(ASSY);ABS X5FL0505A X-5	
H531	AC61-10004A	CHASSIS- SIDE L;ABS HF-380,-,T10,BLK,-,X5,BLK	
H532	AC66-30004A	LEVER- LIGHT SHUTTER;LUCEL N109-LD,T2.5,L61.7,BLK,	
H533	AC61-60142A	SPRING- LIGHT;ES,SUS304WPB,PI0.2,L11.4(OD3.7	
H535	AC66-30017A	LEVER- DOOR;LUCELN109-LD,T5,L74.3,W21.1,-,	
H540	62203-0104-00	CHASSIS-SIDE R(ASSY);ABS X5FL0505A X-5	
H541	AC61-10003A	CHASSIS- SIDE R;ABS HF-380,-,T10,BLK,-,X5,BLK	
H542	AC66-80008A	SLIDER DAMPER;LUCEL N109-LD,T4,L87,-,-,-	
H543	AC61-60120A	SPRING-SLIDE DAMPER;ES,SUS 304WPB,PI0.4,D3.8,L25(O	
H544	AC66-30016A	LEVER- LID OPENER;LUCEL N109-LD,T5.0,L34.7,W16.6	
H545	AC61-60123A	SPRING-LID OPENER;TS,SWPB,PI0.55,D8.9,L15(OD10),	
H550	61403-0073-00	SHAFT-ARM(ASSY);SUM24L X5FL0405A X-5	

6-5 Remote Control Ass'y

Loc. No	Part No	Description and Specification	Remark
	AC59-10340G	REMOCON-ASSY;-,-NR-4250;-,-SV-A160X,S/S	
	AC64-50131A	DOOR-BATTERY REMOCON;ABS94,HB,T1.5,D/GRY	
CT1	2401-000795	C-AL;220UF,20%,16V,GP,-,8X11.5,3.5M	
CT2	2203-000199	C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,TP,	
DT1	0407-000152	DIODE-ARRAY;MA159,80V,100MA,CX2,SOT-143,	
ICT1	AC09-10453K	IC-MCU;Z86L7608,A160,28P,QFP,A120U,8B	
JST1	AC21-12001B	JOG-SHUTTLE DAIL;-,-,-,-,SRGPPJ-013A	
LDT1	A4150-0168	LED-INFRARED;SI5312-H NTR 940NM/1.4V	
QT1	0501-000592	TR-SMALL SIGNAL;2SD1781K-QR,NPN,200MW,SO	
RT1	2007-000034	R-CHIP;1ohm,5%,1/8W,DA,TP,3216	
RT2	2007-000593	R-CHIP;22ohm,5%,1/10W,DA,TP,2012	
RT3	2007-000477	R-CHIP;1Mohm,5%,1/10W,DA,TP,2012	
RT7	2007-000308	R-CHIP;10ohm,5%,1/10W,DA,TP,2012	
XT1	B1283-0036	RESONATOR-CERAMIC;8MHZ EFOEC8004T4 3/CN	



7. Electrical Parts List

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
601	DO NOT ORDER	ASSY-MAIN	(S.N.A)	IC1S3	AC14-12006D	△ IC;KA431Z,TO-92,TAPING	
SMPS/POWER PARTS				L1S01	AC29-30050A	△ FILTER-LINE NOISE;-;400UH,-;250V,-	
C1P01	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		L1S02	A1151-0042	△ COIL-LINE FILTER;BSF-2120Z 25MH 3.2OHM	
C1P02	2401-001583	C-AL;47UF,20%,50V,WT,TP,6.3X11,2.5M		L1S04	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
C1P03	2401-001954	C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5		L1S05	AC27-92001M	△ INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
C1P04	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5		L1S30	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
C1P05	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5		L1S31	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
C1P06	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM		L1S32	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
C1P07	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5		L1S33	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
C1P09	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM		L1S34	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
C1P10	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		PT1S01	AC26-20120A	△ TRANS-SWITCHING;-;220V,UL/CSA,-;1000UH,-	
C1S03	2305-001021	△ C-FILM,MPEF;100NF,20%,275V,TP,17.5X7X13.		Q1P01	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
C1S04	2305-001021	△ C-FILM,MPEF;100NF,20%,275V,TP,17.5X7X13.		Q1P02	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K-4.7K,T	
C1S05	2201-000808	△ C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X		Q1P03	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
C1S06	2201-000934	△ C-CERAMIC,DISC;3.3NF,20%,400V,Y5P,TP,18X		Q1P04	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K-22K,TO-	
C1S08	2401-001957	△ C-AL;47.0UF,20%,400V,GP,TP,18X25,7.		Q1P05	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
C1S09	2301-000140	C-FILM,PEF;10NF,10%,630V,BK,16.5X9.5X5.7		Q1P06	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
C1S10	2201-000915	C-CERAMIC,DISC;100PF,10%,1KV,Y5P,TP,6X5,		Q1P07	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C1S15	2301-000224	C-FILM,PEF;22NF,5%,50V,TP,7.4X3.9X13MM,5		R1P02	2004-001096	R-METAL;560ohm,5%,1/4W,AA,TP,2.4X6.4mm	
C1S16	2201-000795	C-CERAMIC,DISC;10NF,10%,400V,Y5P,TP,15X1		R1P03	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
C1S18	2301-000224	C-FILM,PEF;22NF,5%,50V,TP,7.4X3.9X13MM,5		R1P04	2001-000611	R-CARBON;3.9Kohm,5%,1/4W,AA,TP,2.4x6.4m	
C1S19	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM		R1P05	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
C1S20	2401-000970	C-AL;22UF,20%,50V,WT,TP,5X11,2MM		R1P06	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C1S30	2401-000385	C-AL;10UF,20%,100V,GP,-;6.3X11,2.5M		R1P07	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
C1S31	2401-001134	C-AL;330UF,20%,35V,WT,TP,10X16,5MM		R1P09	2004-000571	R-METAL;220ohm,5%,1/4W,AA,TP,2.4x6.4mm	
C1S32	2401-001998	C-AL;1000UF,20%,25V,GP,TP,10X20,5MM		R1P10	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
C1S33	2401-001125	C-AL;330UF,20%,25V,WT,TP,10X12.5,5M		R1S02	2003-000273	R-METAL OXIDE;33KOHM,5%,2W,AA,TP,6X16MM	
C1S34	2401-001992	C-AL;2200UF,20%,10V,GP,TP,10X20MM,5		R1S03	2001-000076	R-CARBON;47Kohm,5%,1/4W,AA,TP,2.4x6.4mm	
C1S35	2401-001355	C-AL;470UF,20%,10V,GP,-;8X11.5,5MM		R1S06	2003-000273	R-METAL OXIDE;33KOHM,5%,2W,AA,TP,6X16MM	
C1S36	2401-001583	C-AL;47UF,20%,50V,WT,TP,6.3X11,2.5M		R1S07	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C1S37	2401-001374	C-AL;470UF,20%,16V,WT,TP,10X12.5,2.		R1S11	2006-000262	R-CEMENT;2.7OHM,10%,2W,CB,ST,7.5X11X20.	
C1S38	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5M		R1S12	2001-000076	R-CARBON;47Kohm,5%,1/4W,AA,TP,2.4x6.4mm	
C1S39	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM		R1S13	2001-000076	R-CARBON;47Kohm,5%,1/4W,AA,TP,2.4x6.4mm	
CN1S1	3711-000178	△ CONNECTOR-HEADER;1WALL,2P,1R,3.96MM,STRA		R1S14	2001-000076	R-CARBON;47Kohm,5%,1/4W,AA,TP,2.4x6.4mm	
D1P01	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		R1S15	2003-000148	R-METAL OXIDE;100OHM,5%,2W,AE,TP,6X16MM	
D1P02	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		R1S30	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
D1P03	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		R1S31	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D1P06	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R1S32	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D1P20	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		R1S33	2004-000869	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
D1S01	0402-001009	△ DIODE-RECTIFIER;1SR139,600V,1A,MSR		R1S34	2004-000459	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	
D1S02	0402-001009	△ DIODE-RECTIFIER;1SR139,600V,1A,MSR		R1S35	2001-000440	R-CARBON;1OHM,5%,1/8W,AA,TP,1.8X3.2MM	
D1S03	0402-001009	△ DIODE-RECTIFIER;1SR139,600V,1A,MSR		VA1S01	1405-000186	△ VARISTOR;470V,4500A,17X12MM,TP	
D1S04	0402-001009	△ DIODE-RECTIFIER;1SR139,600V,1A,MSR		VA1S02	1405-000186	△ VARISTOR;470V,4500A,17X12MM,TP	
D1S05	0402-000378	DIODE-RECTIFIER;EG01C,1000V,500MA,DO-41		ZD1P02	0403-000557	DIODE-ZENER;MTZ5.1C,5.1V,5.09-5.37V,500M	
D1S07	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO		ZD1S01	0403-000539	DIODE-ZENER;MTZ18C,18V,17.42-18.33V,500M	
D1S30	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO		ZD1S02	0403-000294	DIODE-ZENER;MTZ4.7B,4.55-4.80V,500mW,DO-	
D1S31	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO		AUDIO/VIDEO PARTS			
D1S32	0402-000431	DIODE-RECTIFIER;FML-M02S,200V,2.5A,TO-22		C301	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	
D1S33	0402-000431	DIODE-RECTIFIER;FML-M02S,200V,2.5A,TO-22		C302	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	
D1S34	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO		C318	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	
D1S35	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO		C320	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
F1S01	A3065-0157	△ FUSE;FST 250V 1.6A 20MM SEMKO S505 C		C321	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
IC1P01	AC14-12001E	IC;KA7809,-,-		C322	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
IC1S1	1203-001049	△ IC-PWM CONTROLLER;1L0380,TO-220F,4P,10MI		C324	B1102-0113	C-FILM;CQ 922 P 100V 473-J CQ298PVT473J	
IC1S2	B4161-0030	△ PHOTO-COUPLER;PS2561-1 ST DIP		C325	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,	

Electrical Parts List

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
C326	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		C3A18	2202-000855	C-CERAMIC,MLC-AXIAL;6.8NF,30%,16V,Y5R,TP	
C327	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		C3A19	2202-000856	C-CERAMIC,MLC-AXIAL;8.2NF,30%,16V,Y5R,TP	
C328	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,20		C3A21	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	
C330	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		C3A22	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5	
C331	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5		C3A23	2401-001169	C-AL;33UF,20%,16V,GP,-,6.3X7.25MM	
C332	2203-001659	C-CERAMIC,CHIP MELF;47PF,5%,50V,SL,TP,20		C3A25	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5	
C333	2203-000840	C-CERAMIC,CHIP;390PF,5%,50V,NPO,TP,2012,		C3A26	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	
C335	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20		C3A27	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	
C336	2203-001606	C-CERAMIC,CHIP MELF;220PF,10%,50V,Y5P,TP		C3A28	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C337	2203-000540	C-CERAMIC,CHIP;200PF,5%,50V,NPO,TP,2012,		C3A29	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C338	2203-001589	C-CERAMIC,CHIP MELF;18PF,5%,50V,SL,TP,20		C3A30	2301-000392	C-FILM,PEF;15NF,5%,50V,TP,6.5X8.5X3.2MM,	
C339	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,		C3D01	B1102-0113	C-FILM,CQ 922 P 100V 473-J CQ298PVT473J	
C340	2401-001968	C-AL;470NF,20%,50V,GP,TP,5X11MM,5		C3D02	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	
C341	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM		C3D03	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
C341	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5		C3D04	2301-000264	C-FILM,PEF;4.7NF,5%,50V,TP,6.5X5.5X3.0X5	
C342	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		C3D05	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C343	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5		CN3A01	3708-001053	CONNECTOR-FPC/FC/PIC;7P,1.25MM,STRAIGHT,	
C344	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5		CN3A02	3711-000371	CONNECTOR-HEADER;-2P,1R,2MM,STRAIGHT,-	
C345	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		FL3A01	AC27-80100A	COIL-OSC;126QN-K5272YHC-K,-,AM	
C346	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5		FL3D01	AC27-82001C	COIL-BIAS OSC;B02,W(TOKO)VX1850,-	
C347	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5		IC301	1204-001057	IC-SIGNAL PROCESSOR;SS11511M,QFP,80P,-P	
C348	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM		IC303	1209-001023	IC-DELAY LINE;SS23377M,SOP,14P;225MIL,PL	
C349	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM		L302	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
C350	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		L303	2701-000206	INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM	
C351	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		L304	2701-000206	INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM	
C352	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5		L308	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
C353	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		L3A02	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
C355	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		L3A03	2702-000120	INDUCTOR-RADIAL;15MH,5%,6.2X7.4MM	
C356	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		L3A04	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
C357	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		L3D01	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
C358	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5		Q302	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T	
C359	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		Q303	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T	
C360	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		Q304	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C361	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5		Q306	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C362	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5		Q307	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C363	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2		Q308	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C364	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM		Q309	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C366	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		Q310	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T	
C367	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		Q312	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C368	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,		Q3A01	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C369	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM		Q3A02	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C370	B1102-0113	C-FILM,CQ 922 P 100V 473-J CQ298PVT473J		Q3A03	0501-000010	TR-SMALL SIGNAL;KSC1008-Y,NPN,80V,60V,70	
C371	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		Q3A04	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T	
C374	2202-000781	C-CERAMIC,MLC-AXIAL;100PF,10%,50V,Y5P,TP		Q3A05	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C380	2401-001905	C-AL;10UF,20%,16V,GP,BK,6X11MM,2.5M		Q3A06	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C3A01	2401-001895	C-AL;100UF,20%,16V,GP,BK,6.3X11MM,2		Q3D01	0501-000010	TR-SMALL SIGNAL;KSC1008-Y,NPN,80V,60V,70	
C3A02	2301-000392	C-FILM,PEF;15NF,5%,50V,TP,6.5X8.5X3.2MM,		Q3D02	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,T	
C3A03	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5		Q3D03	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C3A04	2301-000299	C-FILM,PEF;6.8NF,5%,100V,TP,5.8X12.5MM,5		R307	2007-001641	R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012	
C3A05	2301-000161	C-FILM,PEF;12NF,5%,50V,TP,6.5X5.5X3.0X5,		R309	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012	
C3A06	2301-000408	C-FILM,PEF;2.7NF,5%,50V,TP,5.5X7X3MM,5MM		R310	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	
C3A07	2301-000402	C-FILM,PEF;1NF,5%,50V,TP,5X7X2.8MM,5MM		R311	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	
C3A08	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5		R312	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	
C3A09	2401-003122	C-AL;4.7UF,20%,50V,LL,TP,4X7,1.5		R313	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	
C3A10	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5		R315	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012	
C3A11	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5		R316	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	
C3A12	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM		R317	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	
C3A13	2301-000402	C-FILM,PEF;1NF,5%,50V,TP,5X7X2.8MM,5MM		R318	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	
C3A15	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5		R319	2001-000005	R-CARBON;390OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C3A17	2202-000855	C-CERAMIC,MLC-AXIAL;6.8NF,30%,16V,Y5R,TP		R320	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
R321	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012		C3P14	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM	
R322	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012		C3P15	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
R323	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012		C3P16	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	
R324	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012		C3P17	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
R325	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM		C3P18	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	
R326	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM		C3P19	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
R327	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012		C3P20	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,	
R328	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012		C3P21	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,20	
R329	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012		C3P22	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,20	
R331	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012		C3P23	2203-001638	C-CERAMIC,CHIP MELF;36PF,5%,50V,SL,TP,20	
R332	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012		C3P24	2203-001638	C-CERAMIC,CHIP MELF;36PF,5%,50V,SL,TP,20	
R333	2007-001458	R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012		C3P25	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
R335	2007-001616	R-CHIP,MELF;120KOHM,5%,1/8W,DB,BK,2012		CN301	3708-000152	CONNECTOR-FPC/FC/PIC;13P,1.25MM,STRAIGHT	
R337	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		D3P01	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R338	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012		D3P02	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R339	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012		IC3P01	1201-001215	IC-PREAMP;70020,DIP,36P,400MIL,SINGLE,65	
R340	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012		IC3P02	AC14-12012K	IC;AN3370K,SIP,-	
R341	2007-000518	R-CHIP;2.7Kohm,5%,1/10W,DA,TP,2012		L3P01	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
R350	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M		L3P02	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
R399	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM		L3P03	2701-000218	INDUCTOR-AXIAL;8.2UH,5%,2.4X3.4MM	
R3A02	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM		Q3P01	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,T	
R3A03	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012		Q3P02	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
R3A04	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012		R3P01	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	
R3A05	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012		R3P02	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A06	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012		R3P03	2007-001616	R-CHIP,MELF;120KOHM,5%,1/8W,DB,BK,2012	
R3A07	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2MM		R3P04	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A08	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R3P05	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R3A09	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R3P06	2007-001580	R-CHIP,MELF;2.4KOHM,5%,1/8W,DB,BK,2012	
R3A10	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012		R3P07	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R3A11	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012		R3P09	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	
R3A12	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM		R3P10	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	
R3A13	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M		R3P11	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	
R3A15	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012		R3P13	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R3A16	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012		R3P15	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A17	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012		R3P16	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A19	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		IF PARTS			
R3A22	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C401	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	
R3A24	2001-000454	R-CARBON;2.2MOHM,5%,1/8W,AA,TP,1.8X3.2M		C402	2401-001364	C-AL;470UF,20%,16V,GP,TP,10X12MM,5M	
R3A25	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012		C403	2401-001083	C-AL;330NF,20%,50V,GP,TP,5X11,2.5MM	
R3A27	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012		C404	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	
R3A28	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012		D410	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
R3A29	2007-001580	R-CHIP,MELF;2.4KOHM,5%,1/8W,DB,BK,2012		IC401	AC14-12003T	IC-L;KA33V TAPG,-,-	
R3A30	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012		L401	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
R3A31	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M		L415	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400,	
R3A32	2001-000904	R-CARBON;620OHM,5%,1/8W,AA,TP,1.8X3.2MM		Q401	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
R3D01	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM		R401	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	
R3D02	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R402	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	
R3D03	2001-000745	R-CARBON;4.7OHM,5%,1/8W,AA,TP,1.8X3.2MM		R403	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	
XT301	B1280-0169	CRYSTAL;4.433619MHZ HC-49/U-S 15PPM SERI		R404	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
PRE-AMP PARTS				R405	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C3P01	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2		R406	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C3P02	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		R407	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C3P03	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5		R408	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C3P04	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		TM401	AC40-30071C	TM-BLOCK;TMLG1-105A,PAL-B/G,126	
C3P06	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		Hi-Fi AUDIO PARTS			
C3P07	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C501	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C3P08	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5		C502	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X	
C3P09	2401-001325	C-AL;470NF,20%,50V,GP,TP,3X5,5		C503	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
C3P11	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		C504	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	
C3P13	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		C505	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	

Electrical Parts List

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
C506	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X		R528	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	
C507	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		R529	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	
C508	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5		R530	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	
C509	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		R531	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C510	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X		R532	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C511	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X		R533	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	
C512	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		R534	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C513	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		SYSTEM CONTROL/SERVO PARTS			
C514	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM		C601	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
C515	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5		C602	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
C516	2401-002183	C-AL;220UF,20%,16V,GP,TP,8X9,5MM		C603	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C517	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C604	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5	
C518	2203-001105	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,2012		C605	2203-001577	C-CERAMIC,CHIP MELF;150PF,10%,50V,Y5E,TP	
C519	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2		C606	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,	
C520	2203-001122	C-CERAMIC,CHIP;680PF,10%,50V,NPO,TP,2012		C607	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
C521	2203-005197	C-CERAMIC,CHIP;470NF,+80-20%,25V,Y5V,BK,2		C608	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5	
C522	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X		C609	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2	
C523	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		C610	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2	
C524	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X		C6102	2203-001558	C-CERAMIC,CHIP MELF;100PF,10%,50V,Y5E,TP	
C525	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X		C6103	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,20	
C526	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5		C6104	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,20	
C527	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C6105	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2	
C528	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C6106	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C529	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C6107	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
C530	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C6108	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
C531	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C611	2203-000533	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,2012	
C532	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C6112	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM	
C533	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		C6114	2201-000800	C-CERAMIC,DISC;120PF,5%,50V,SL,TP,5X3,5	
C534	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5		C6116	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,20	
C535	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		C6117	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,20	
IC501	1204-001162	IC-AUDIO PROCESSOR;TA1246F,QFP,48P,16MIL		C6119	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	
L501	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-		C612	2203-001577	C-CERAMIC,CHIP MELF;150PF,10%,50V,Y5E,TP	
L502	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-		C6120	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5	
R501	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012		C6123	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
R502	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012		C6124	2401-001325	C-AL;470NF,20%,50V,GP,TP,3X5,5	
R503	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C6126	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	
R504	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C613	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
R505	2007-001603	R-CHIP,MELF;150OHM,5%,1/8W,DB,BK,2012		C614	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5	
R506	2007-001603	R-CHIP,MELF;150OHM,5%,1/8W,DB,BK,2012		C615	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20	
R507	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM		C616	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2	
R508	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM		C617	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2	
R509	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C618	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,	
R510	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C619	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,	
R511	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012		C620	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,	
R512	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		C621	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
R513	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012		C622	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2	
R514	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012		C623	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20	
R515	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C624	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20	
R516	2007-001474	R-CHIP,MELF;680OHM,5%,1/8W,DB,BK,2012		C625	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20	
R517	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C626	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20	
R518	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C627	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2	
R519	2007-001574	R-CHIP,MELF;20KOHM,5%,1/8W,DB,BK,2012		C628	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2	
R520	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		C629	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5	
R521	2007-001580	R-CHIP,MELF;2.4KOHM,5%,1/8W,DB,BK,2012		C630	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5M	
R522	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C631	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
R523	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012		C632	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	
R524	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C633	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	
R525	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012		C634	2401-000208	C-AL;100NF,+80-20%,5.5V,GP,12.3MM,5	
R526	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012		C635	2401-000199	C-AL;1000UF,20%,6.3V,GP,TP,10X12,5	
R527	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012		C636	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
C637	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5		L6103	2701-000117	INDUCTOR-AXIAL;10UH,5%,2.4X3.4MM	
C638	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5		L620	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400,	
C639	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5		L621	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400,	
C640	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5		LD601	0601-000495	LED-IR;ROUND,3MM,150MW,6V,950NM,BK	
C641	2401-000753	C-AL;220NF,20%,50V,GP,TP,3X5,5		PT601	0604-000188	PHOTO-INTERRUPTER;TR,-,DIP-4,TR	
C642	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20		PT602	0604-000188	PHOTO-INTERRUPTER;TR,-,DIP-4,TR	
C643	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		Q601	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C644	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X		Q602	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C645	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		Q603	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C646	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		Q604	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T	
C647	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		Q605	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C648	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		Q606	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C649	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		Q6101	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C650	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2		Q6102	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C651	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5		Q6103	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T	
C652	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		Q6106	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C653	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		Q6108	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T	
C654	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		R601	2007-001495	R-CHIP,MELF;510OHM,5%,1/8W,DB,BK,2012	
C655	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5		R602	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C656	2401-001036	C-AL;33UF,20%,16V,GP,TP,6.3X5,5		R603	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	
C657	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM		R604	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C658	2401-000912	C-AL;22UF,20%,16V,GP,-,5X5,5		R605	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	
C660	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,		R606	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C661	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,		R608	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	
C663	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,		R609	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C681	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		R610	2001-000282	R-CARBON;10KOHM,1%,1/8W,AD,TP,1.8X3.2MM	
C682	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		R6100	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
C698	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		R6101	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	
CN601	3710-000546	CONNECTOR-SOCKET;20P,1R,1.5MM,ANGLE,SN		R6102	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	
CN602	3710-000405	CONNECTOR-SOCKET;2P,2R,2.5MM,-,		R6103	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	
CN603	3711-003148	CONNECTOR-HEADER;BOX,10P,2R,2.0MM,STRAIG		R6104	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
CN604	3711-003149	CONNECTOR-HEADER;BOX,6P,2R,2.0MM,STRAIGH		R6105	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D601	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		R6106	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	
D602	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		R6107	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	
D603	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6109	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D604	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R611	2007-001625	R-CHIP,MELF;100OHM,5%,1/8W,DB,BK,2012	
D605	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		R6110	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	
D606	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6111	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D607	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6112	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
D608	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6115	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	
D609	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6116	2007-007166	R-CHIP,MELF;91KOHM,5%,1/8W,DB,BK,2012	
D6101	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6117	2007-001490	R-CHIP,MELF;560KOHM,5%,1/8W,DB,BK,2012	
D6105	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6119	2007-001486	R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012	
D6106	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R612	2001-000282	R-CARBON;10KOHM,1%,1/8W,AD,TP,1.8X3.2MM	
D611	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6120	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D612	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6121	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D613	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6122	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D614	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R6123	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	
IC601	AC09-10455N	IC-MCU;HD6433976_RAXXF;160X,100,QFP,-		R6124	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
IC602	AC14-12003K	IC;KA8301(N.M.)-,-		R6125	2007-001540	R-CHIP,MELF;30KOHM,5%,1/8W,DB,BK,2012	
IC602	AC09-10455M	IC-MCU;HD6433977_RAXXF;160X,100,QFP,-		R6128	2007-001563	R-CHIP,MELF;240OHM,5%,1/8W,DB,BK,2012	
IC603	AC14-12001K	IC;KA324,-,-		R6129	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
IC604	AC14-12006C	IC;KA7533,DIP,-		R613	2007-001625	R-CHIP,MELF;100OHM,5%,1/8W,DB,BK,2012	
IC605	1103-001020	IC-EEPROM;24LC04,4Kx8BIT,DIP,8P,300MIL,-		R6130	2007-001570	R-CHIP,MELF;220OHM,5%,1/8W,DB,BK,2012	
IC607	AC14-12001G	IC;KA78L05,T,-		R6131	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
L601	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-		R6132	2007-001563	R-CHIP,MELF;240OHM,5%,1/8W,DB,BK,2012	
L602	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-		R6133	2007-001570	R-CHIP,MELF;220OHM,5%,1/8W,DB,BK,2012	
L603	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-		R6134	2007-001486	R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012	
L604	2701-000131	INDUCTOR-AXIAL;15UH,5%,2.4X3.4MM		R614	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	
L6101	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-		R615	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
C829	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5		L812	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	
C830	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		L813	2702-000106	INDUCTOR-RADIAL;100UH,5%,6.2X7.4MM	
C831	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP		L815	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
C832	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP		L816	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
C833	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2		Q802	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T	
C834	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2		Q803	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C835	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-		Q804	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C836	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-		Q808	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C837	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5M		Q809	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C838	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5		Q810	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,T	
C839	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5		Q811	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
C840	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP		Q812	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,T	
C841	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP		Q813	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
C842	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-		R802	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C843	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-		R803	2007-001641	R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012	
C844	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2		R804	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C845	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2		R805	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C847	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,		R807	2007-001239	R-CHIP;910ohm,5%,1/10W,DA,TP,2012	
C848	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,		R808	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	
C850	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,		R811	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	
C851	2203-005197	C-CERAMIC,CHIP;470NF,+80-20%,25V,Y5V,BK,2		R812	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012	
C852	2203-005197	C-CERAMIC,CHIP;470NF,+80-20%,25V,Y5V,BK,2		R813	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012	
C853	2203-005197	C-CERAMIC,CHIP;470NF,+80-20%,25V,Y5V,BK,2		R814	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
C854	2203-005197	C-CERAMIC,CHIP;470NF,+80-20%,25V,Y5V,BK,2		R815	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
C856	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5		R816	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
C857	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5		R817	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
C860	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5M		R822	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
D801	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R823	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
D802	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R826	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
D803	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R827	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
D804	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R828	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
D805	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R829	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	
D806	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R830	2001-000290	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D807	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R833	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012	
D808	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R834	2004-001096	R-METAL;560ohm,5%,1/4W,AA,TP,2.4X6.4mm	
D809	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R835	2004-001290	R-METAL;820OHM,5%,1/4W,AA,TP,2.4X6.4MM	
D810	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R836	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	
D811	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R837	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012	
D812	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		SW801	3408-000127	SWITCH-SLIDE;12V,100MA,-,-	
D813	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		602	AC93-10829P	ASSY-SUB;SV-A160X/SEG,IS PAL HI-FI A2 ONLY	
D814	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		C4A01	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	
D815	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		C4A02	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,	
D817	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		C4A03	2401-001919	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	
D818	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		C4A04	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5	
IC801	1001-001026	IC-RF/VIDEO/AUDIO SW;KA8119BDTF,CMOS,50P,3		C4A05	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	
IC802	1001-001045	IC-VIDEO SWITCH;LA7152,3-INPUT,SIP,9P,-,		C4A06	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,	
IC803	AC14-12012R	IC;LA7151,DIP,-		C4A07	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,	
JC801	3722-001093	JACK-RCA;42P,3.81MM,SN,BLU/BLK,#20-28		C4A08	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,	
JC802	AC37-22002E	JACK-PIN;3.5MM,DPAE9634,2P,TR,-		C4A09	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5M	
L801	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A10	2401-001919	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	
L802	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A11	2301-000439	C-FILM,PEF;3NF,5%,50V,TP,5.5X7X3MM,5MM	
L803	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A12	2301-000439	C-FILM,PEF;3NF,5%,50V,TP,5.5X7X3MM,5MM	
L804	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A13	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
L805	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A14	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
L806	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A15	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	
L807	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-		C4A16	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
L808	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-		C4A17	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5M	
L809	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A18	2401-000778	C-AL;22UF,20%,10V,GP,-,6.3X11,2.5M	
L810	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A19	2401-001919	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	
L811	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM		C4A20	2401-001919	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	

Electrical Parts List

Loc.No	Part No	Desc & Spec	Remark	Loc.No	Part No	Desc & Spec	Remark
C4A21	2301-000427	C-FILM,PEF;3.9NF,10%,50V,TP,5.5X7X3MM,5M		D708	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
C4A22	2301-000264	C-FILM,PEF;4.7NF,5%,50V,TP,6.5X5.5X3.0X5		D715	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
C4A24	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		D725	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
C4A25	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5		D727	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
CN4A01	3711-003177	CONNECTOR-HEADER;NOWALL,15P,1R,2.5MM,ANG		D728	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
FL4A01	2904-001024	FILTER-SAW AV;38.9MHZ,SIP5K,TP,18.3DB,PA		D733	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
FL4A02	2903-000188	FILTER-CERAMIC;BP,5.74MHZ,+50KHZ,9DB,-,		D734	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
IC4A01	AC14-12011Q	IC-LINEAR;TDA9800,DIP,NEG DEMOD		D735	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
IC4A02	AC14-12011Y	IC-LINEAR;TDA9840V2,DIP,TV-AUDIO DECODE		D736	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
L4A01	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-		D737	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
L4A02	62427-812-139	COIL-PEAKING;EL0606RA 1.3UH-K		D738	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
L4A03	2702-000214	INDUCTOR-RADIAL;2.2MH,5%,6X6.4X10MM		D739	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
Q4A01	0501-000436	TR-SMALL SIGNAL;KTC3197,NPN,625MW,TO-92,		D741	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
Q4A02	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250MW,TO-92,T		D742	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R4A01	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		D743	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R4A02	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		D744	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R4A03	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM		D745	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R4A04	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M		D746	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R4A05	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M		D747	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R4A06	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M		D748	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,	
R4A07	2001-001006	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM		DT701	AC07-20050Z	VF-DISPLAY;SVV-11MS16,15 SEG,118.2 X 20.	
R4A08	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		IC701	1003-001039	IC-VFD;UPD16311GC-AB6,QFP,52P,-,-,40	
R4A09	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		JK701	3722-000435	JACK-PIN;1P/1C,PI3.3,SN,RED,-	
R4A12	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		JK702	AC37-22001T	JACK-PIN;DSPS-8805-03W,PI4,3P,GLD,-	
R4A13	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		JK703	3722-000433	JACK-PIN;1P/1C,PI3.3,SN,YEL,-	
R4A14	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		L701	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	
R4A15	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		L702	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	
R4A16	2001-000793	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM		L703	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	
R4A18	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2M		LD701	0601-000497	LED;ROUND,GRN,3MM,565NM	
R4A19	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM		LD702	0601-000497	LED;ROUND,GRN,3MM,565NM	
R4A20	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M		LD703	0601-000497	LED;ROUND,GRN,3MM,565NM	
R4A21	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM		LD704	0601-000497	LED;ROUND,GRN,3MM,565NM	
R4A22	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M		LD705	0601-000497	LED;ROUND,GRN,3MM,565NM	
R4A23	61048-177-563	R-CARBON;RD 1/8 T 563-J		LD706	0601-000497	LED;ROUND,GRN,3MM,565NM	
R4A24	2001-000337	R-CARBON;130KOHM,5%,1/8W,AA,TP,1.8X3.2M		LD707	0601-000497	LED;ROUND,GRN,3MM,565NM	
R4A25	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2M		LD708	0601-000497	LED;ROUND,GRN,3MM,565NM	
TL4A01	AC26-12001A	TRANS-DET;9MM,0UH,BLK,8PF,77.9MHZ,M7T1,S		LD709	0601-000497	LED;ROUND,GRN,3MM,565NM	
W4A12	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		LD710	0601-000497	LED;ROUND,GRN,3MM,565NM	
W4A13	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		LD711	0601-000497	LED;ROUND,GRN,3MM,565NM	
W4A14	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400,		Q701	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-	
XT4A01	2801-003293	CRYSTAL-UNIT;10MHZ,50PPM,28-AAA,16PF,500		Q702	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
670	AC93-10828Z	ASSY-F/TIMER;SV-A160X/SEG,IS PAL HI-FI (A2 ONLY)		R701	2004-000292	R-METAL;120HM,5%,1/4W,AA,TP,2.4X6.4MM	
C701	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5		R702	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C702	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		R703	2004-000790	R-METAL;330ohm,5%,1/4W,AA,TP,2.4x6.4mm	
C703	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3		R704	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C704	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7.5		R706	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C705	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5		R707	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C706	2202-000807	C-CERAMIC,MLC-AXIAL;22NF,+80-20%,25V,Y5V		R708	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C707	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50V,SL,3.5X1		R709	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C708	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X1		R710	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C709	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X1		R711	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C710	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X1		R712	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C711	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,		R713	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C712	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3		R714	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C713	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3		R715	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
C714	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5		R716	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
CN701	3710-000545	CONNECTOR-SOCKET;20P,1R,1.5MM,STRAIGHT,S		R717	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D702	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R718	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D703	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R719	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D705	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,		R720	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	

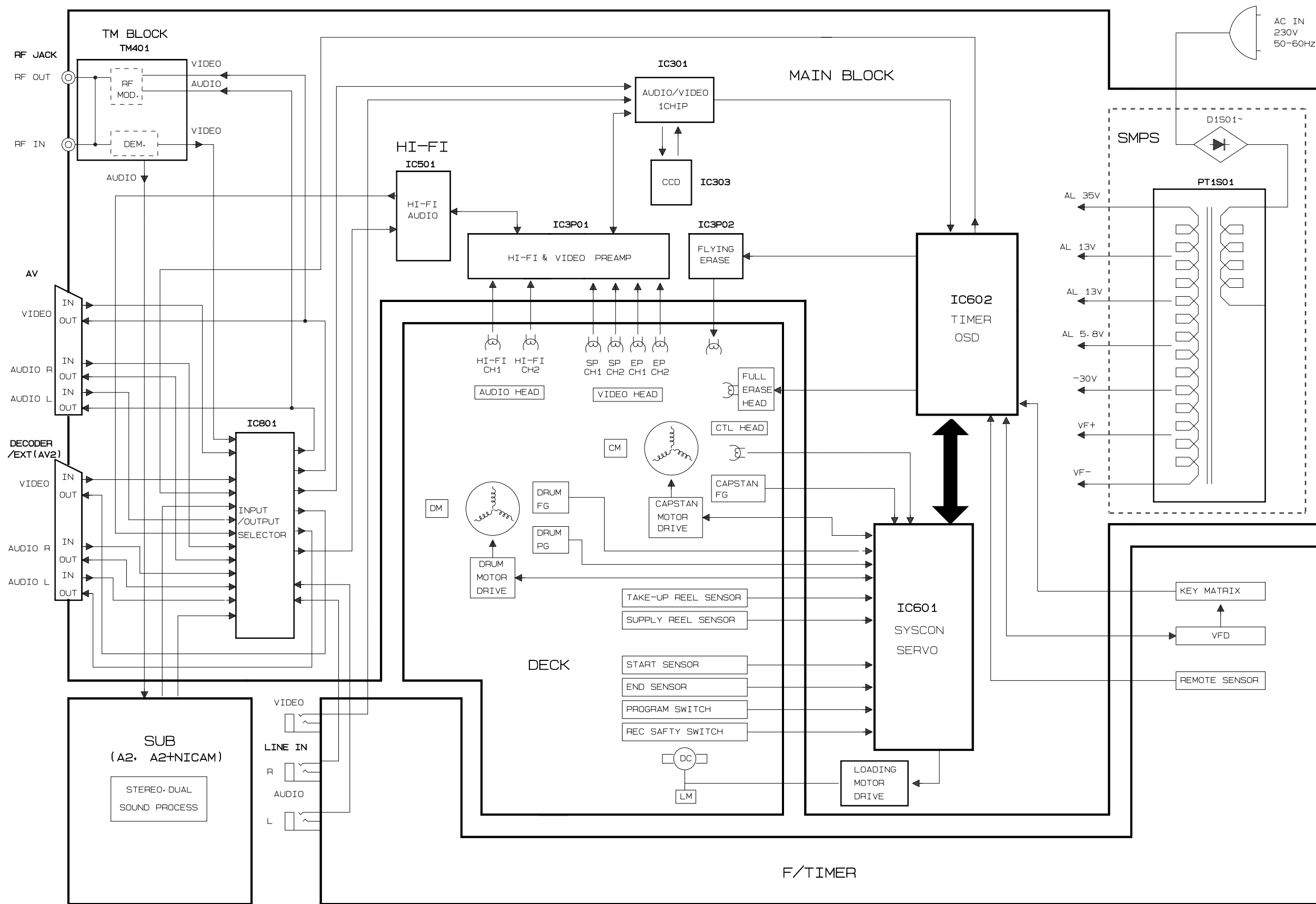
Loc.No	Part No	Desc & Spec	Remark	Loc.No	Part No	Desc & Spec	Remark
R721	61048-177-563	R-CARBON;RD 1/8 T 563-J					
R722	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
R726	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM					
R727	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM					
R728	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
R729	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M					
R730	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
R731	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
R732	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
R733	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
R734	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
R735	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM					
RM701	B1294-0076	MODULE-REMOCON;GP1U281R/SHARP 38KHZ					
SW701	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW702	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW703	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW704	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW705	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW706	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW707	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW708	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW709	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW710	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW711	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW712	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW713	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW714	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW715	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
SW716	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM					
ZD701	62169-403-833	DIODE ZENER;UZ 5.6BH					
ZD702	0403-000555	DIODE-ZENER;MTZ30D,30V,29.02-30.51V,500M					

MEMO

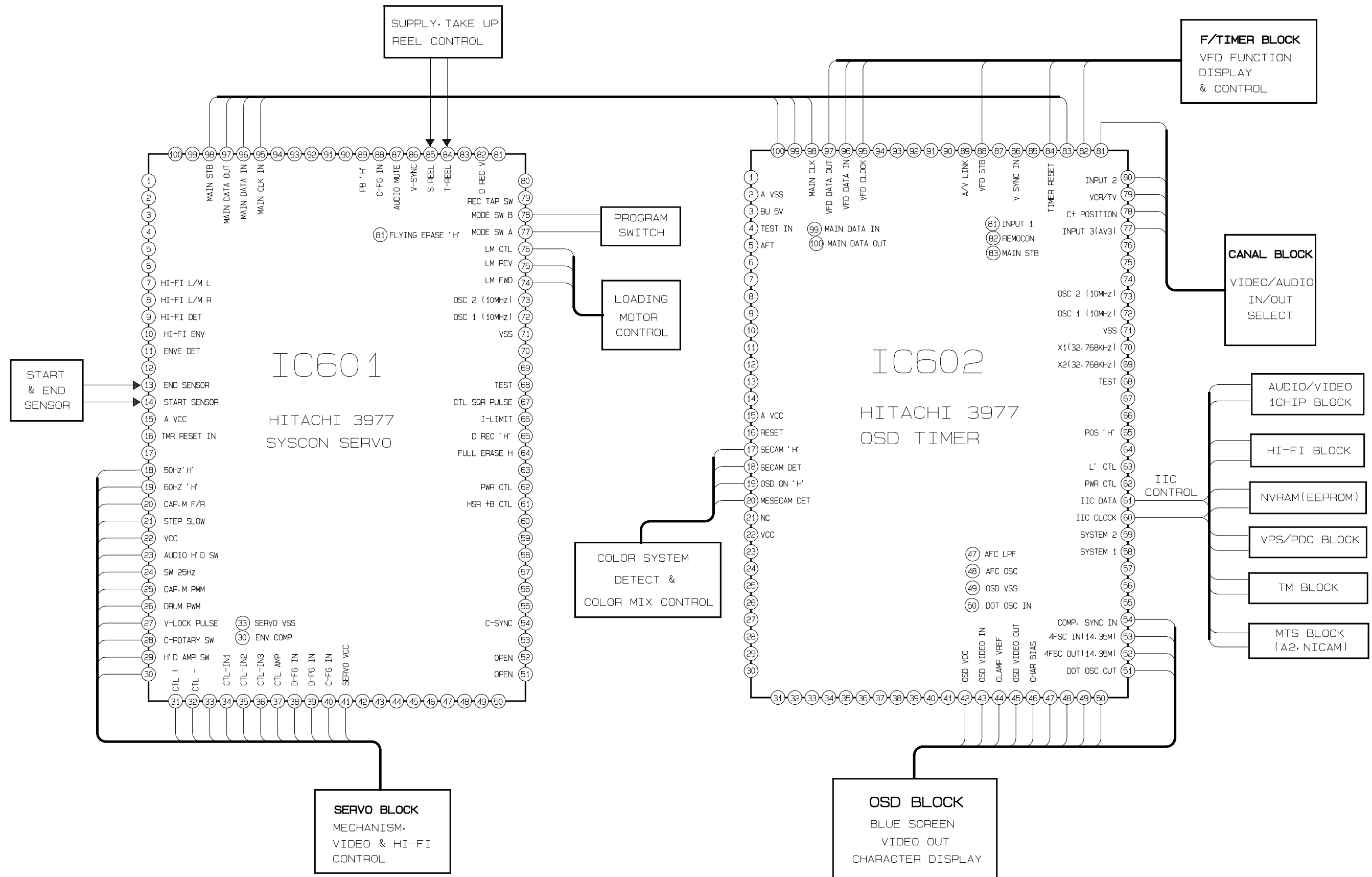
8. Block Diagrams

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8-3 Video - - - - -	8-4
8-4 Hi-Fi Audio - - - - -	8-5
8-5 Function-Timer - - - - -	8-6

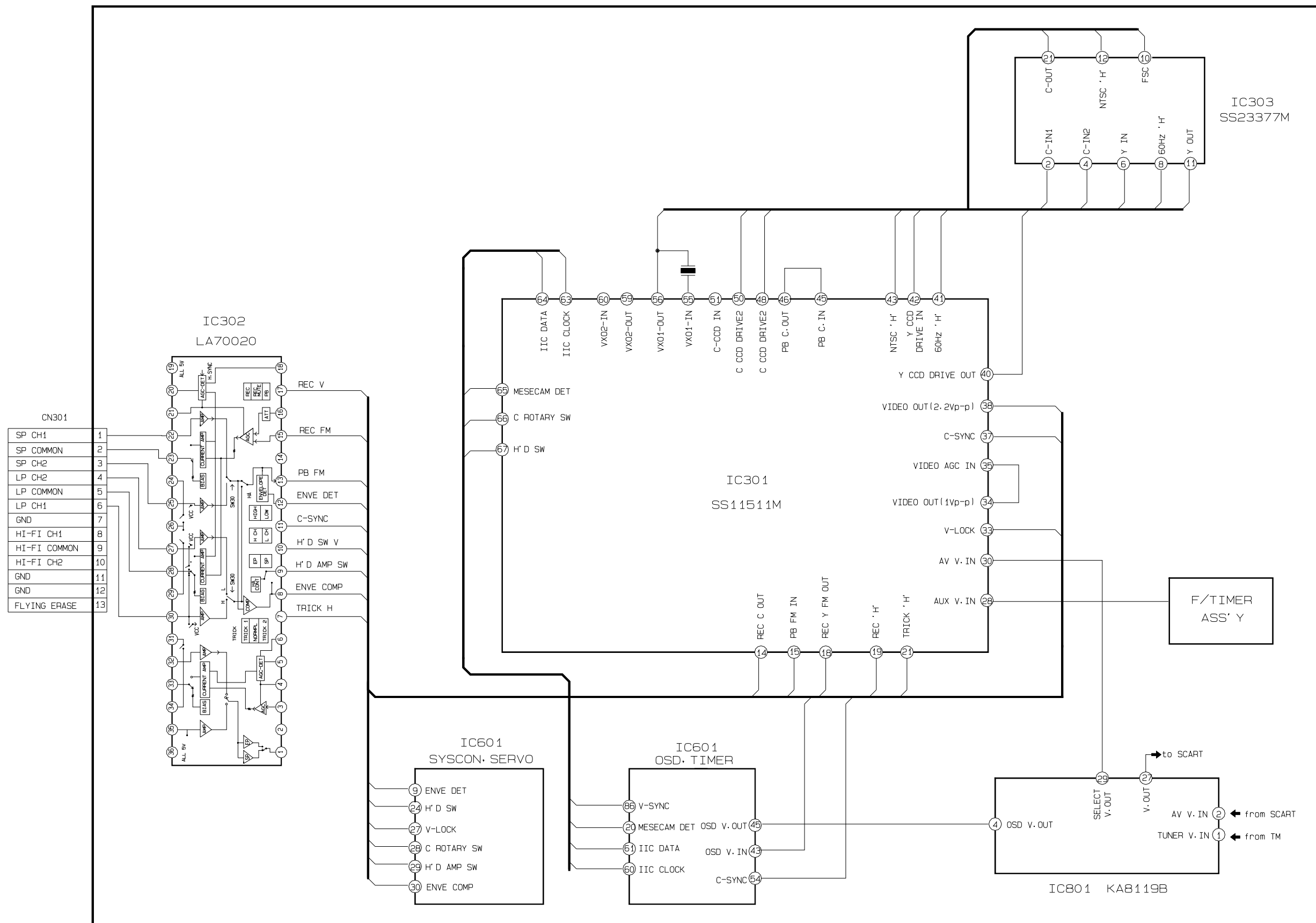
8-1 Overall Block Diagram



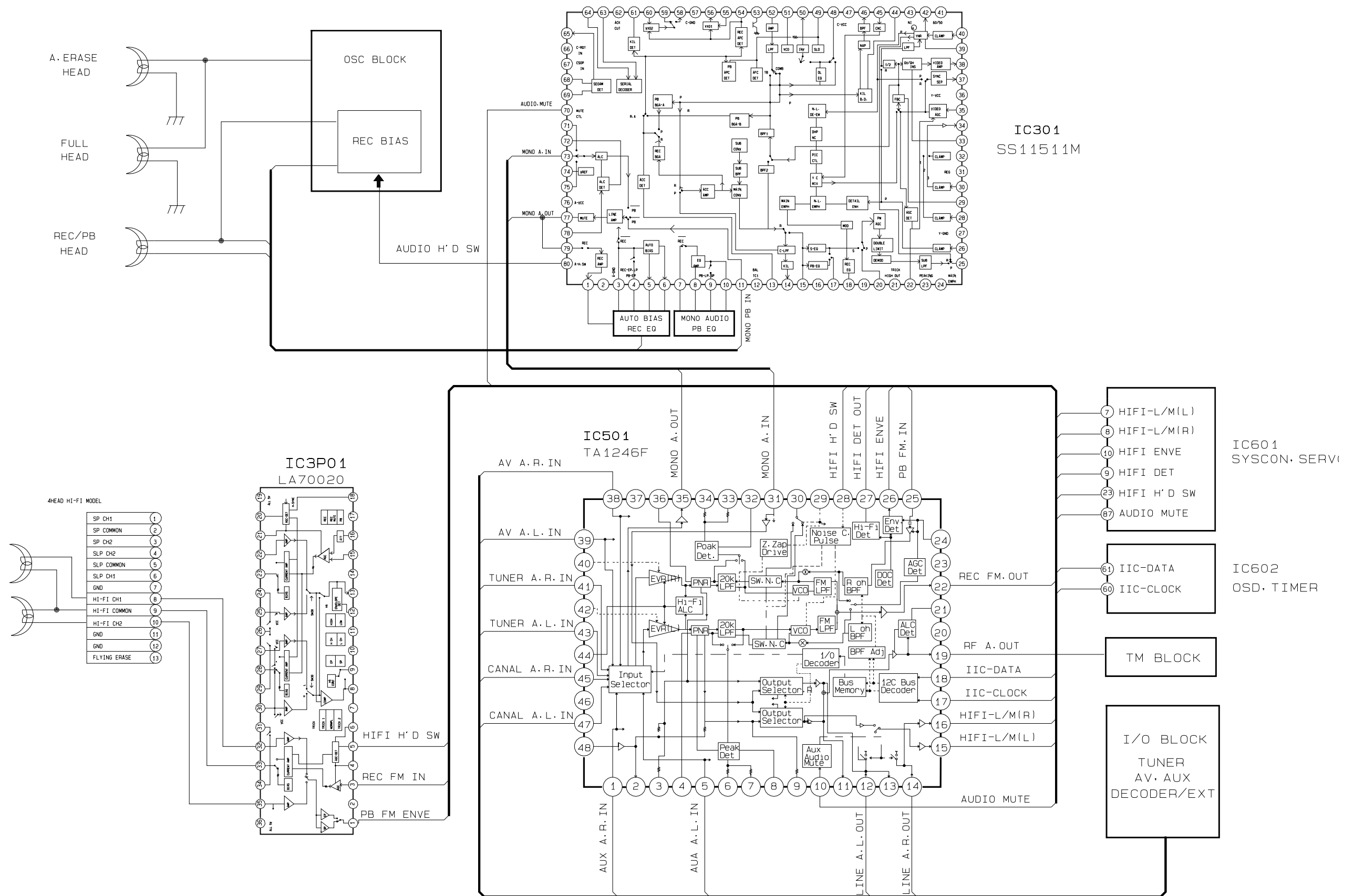
8-2 System Control



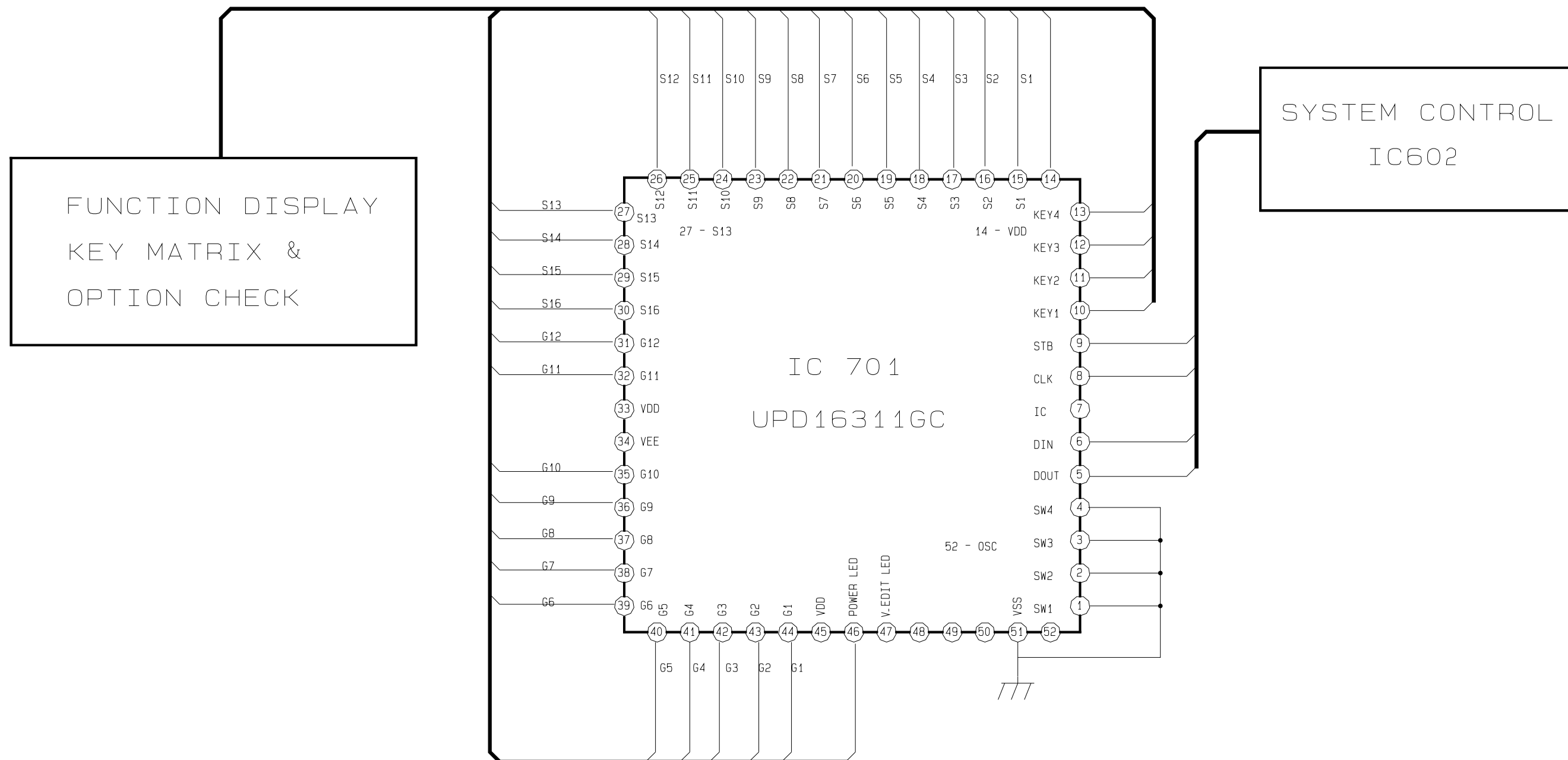
8-3 Video



8-4 Hi-Fi Audio




8-5 Function-Timer

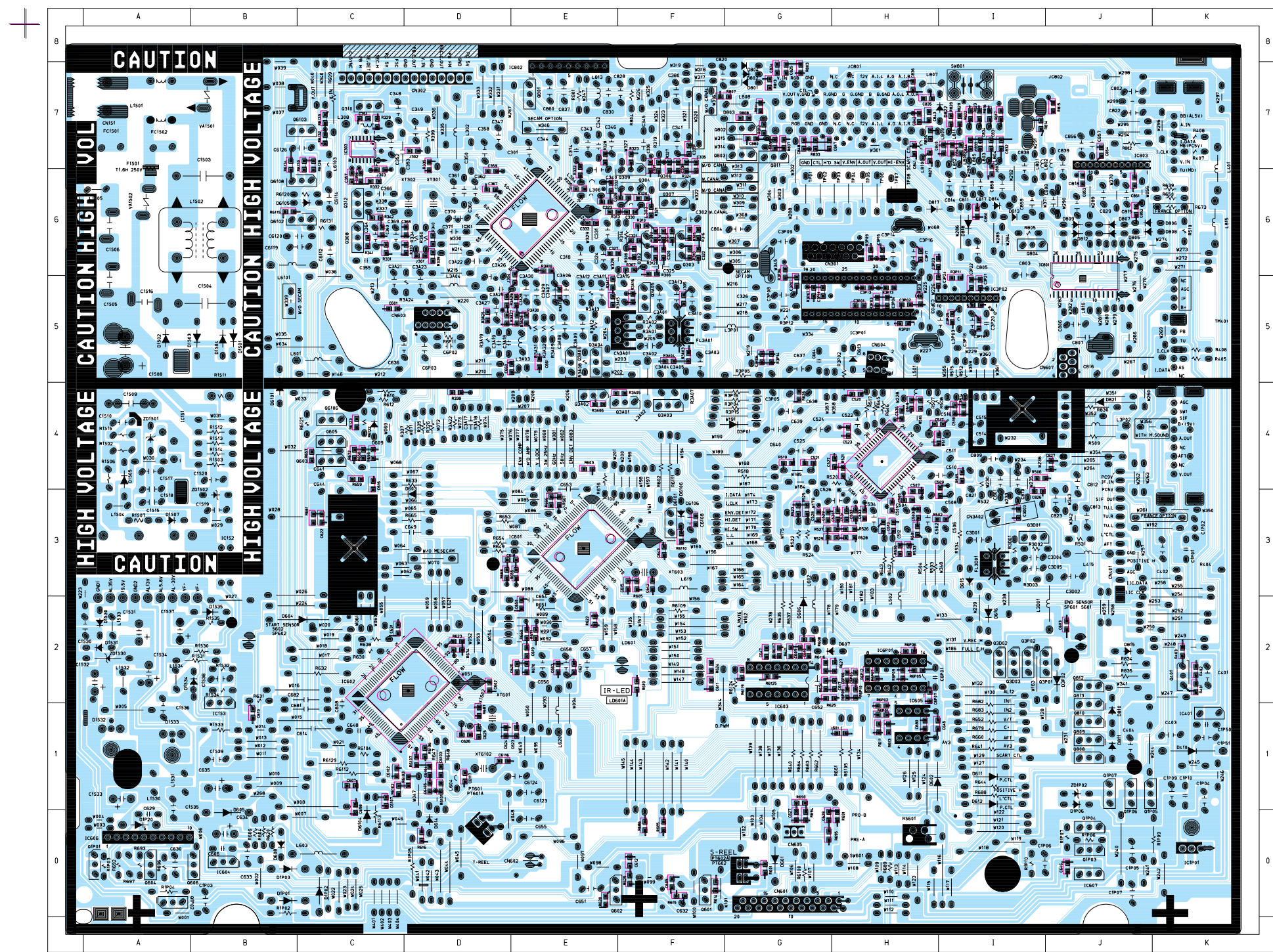


9. PCB Diagrams

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9-3 Function-Timer - - - - -	9-4

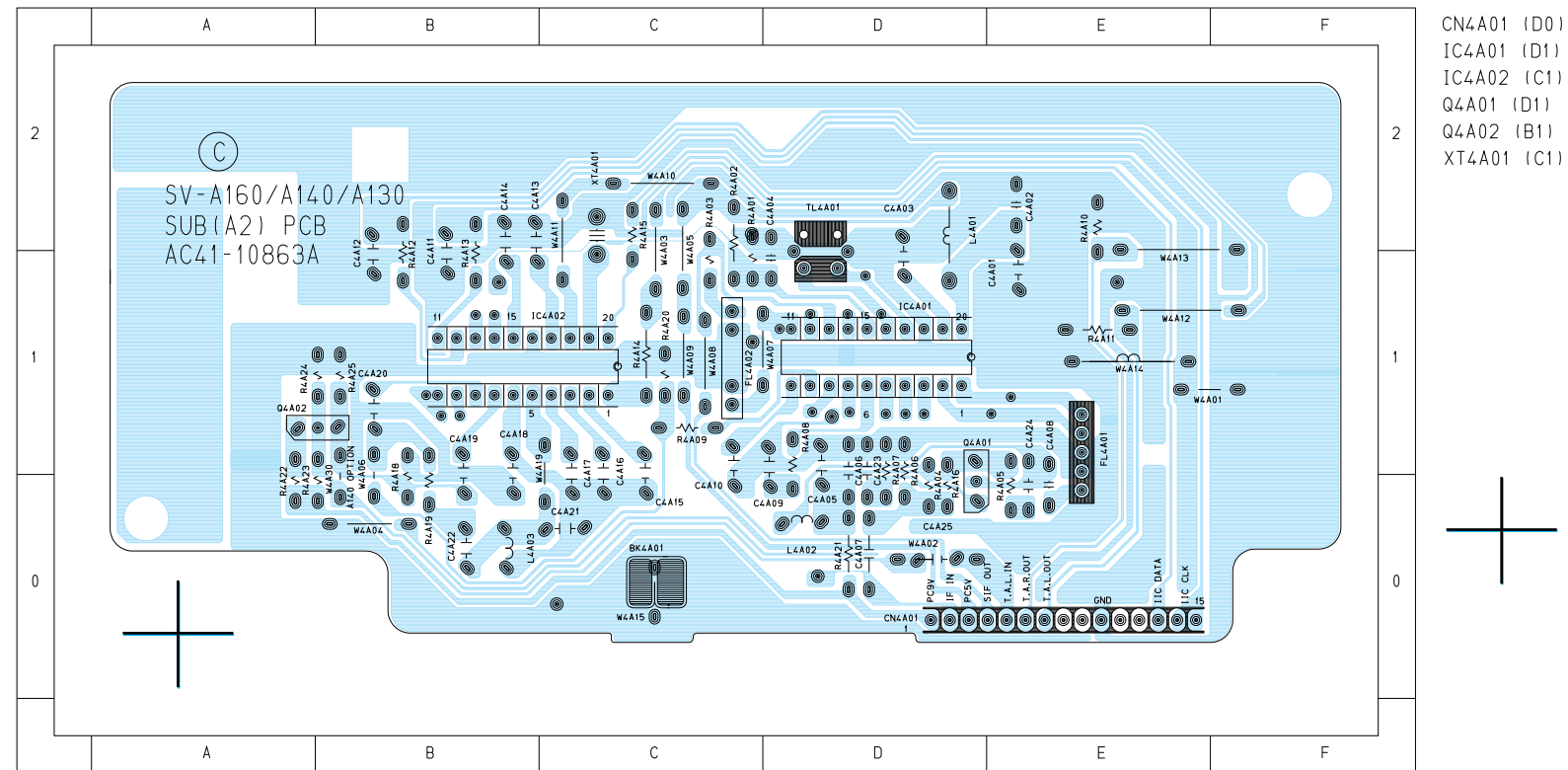
9-1 Main

 : Chip Parts

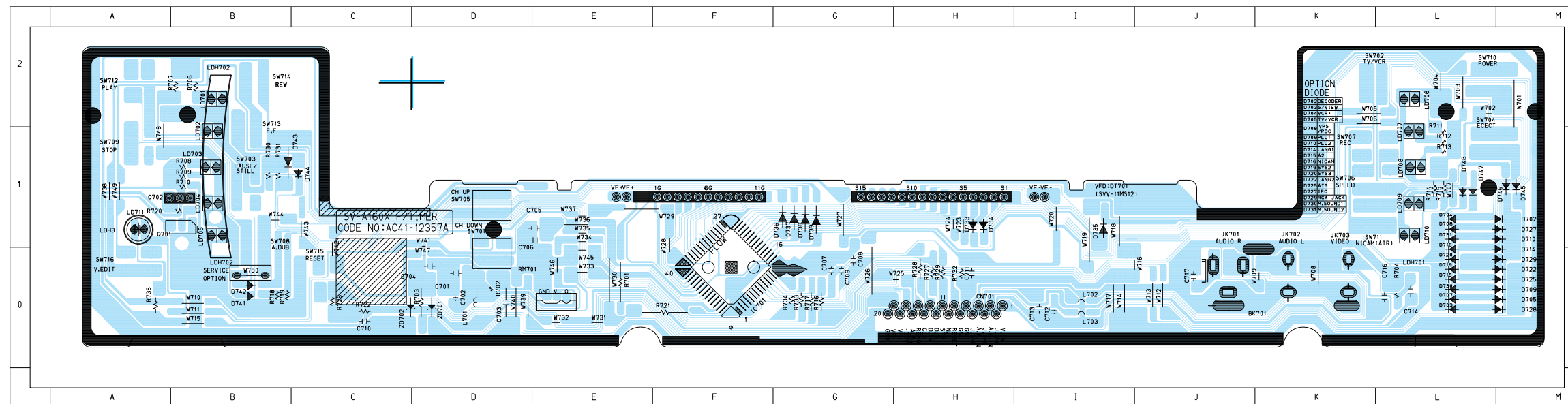


- | | |
|-------------|------------|
| CN151 (A7) | Q1P01 (A0) |
| CN302 (C7) | Q1P02 (A0) |
| CN3A01 (E5) | Q1P03 (J0) |
| CN401 (J4) | Q1P04 (J0) |
| CN601 (G0) | Q1P05 (J1) |
| CN602 (E0) | Q1P06 (J1) |
| CN603 (D5) | Q1P07 (J1) |
| CN604 (H5) | Q302 (F6) |
| CN605 (G0) | Q303 (F6) |
| CN607 (J5) | Q304 (F6) |
| DIS01 (B5) | Q306 (F6) |
| DIS02 (A5) | Q307 (F6) |
| DIS03 (B5) | Q308 (C6) |
| DIS04 (B5) | Q309 (F6) |
| IC153 (B2) | Q310 (C7) |
| IC1P01 (K0) | Q312 (C6) |
| IC301 (E6) | Q3A01 (E4) |
| IC303 (C7) | Q3A02 (E4) |
| IC3P01 (H5) | Q3A03 (F4) |
| IC3P02 (I5) | Q3A04 (E5) |
| IC401 (K1) | Q3A05 (F5) |
| IC501 (H4) | Q3A06 (E5) |
| IC602 (D2) | Q3D01 (I3) |
| IC603 (G2) | Q3D02 (I2) |
| IC604 (B0) | Q3D03 (I2) |
| IC605 (H1) | Q3P01 (J2) |
| IC607 (J0) | Q3P02 (I2) |
| IC6P01 (H2) | Q401 (K2) |
| IC801 (J5) | Q601 (F0) |
| IC802 (E7) | Q602 (E0) |
| IC803 (J7) | Q603 (C4) |
| JC801 (G7) | Q604 (A0) |
| JC802 (I7) | Q605 (C4) |
| S601 (J2) | Q606 (B0) |
| S602 (B2) | Q6101 (F3) |
| VA1501 (B7) | Q6102 (B6) |
| VA1502 (A6) | Q6103 (B7) |
| XT301 (D6) | Q6106 (C4) |
| XT302 (D6) | Q6108 (B6) |
| XT601 (D1) | Q801 (E7) |
| XT602 (D1) | Q802 (G7) |
| XT603 (F3) | Q803 (G7) |
| XT6102 (D1) | Q804 (I6) |
| ZD1P02 (J1) | Q808 (J1) |
| ZD1501 (A4) | Q809 (J1) |
| ZD1502 (B3) | Q810 (J1) |
| ZD1530 (A2) | Q811 (G7) |
| | Q812 (J2) |
| | Q813 (J1) |

9-2 Sub

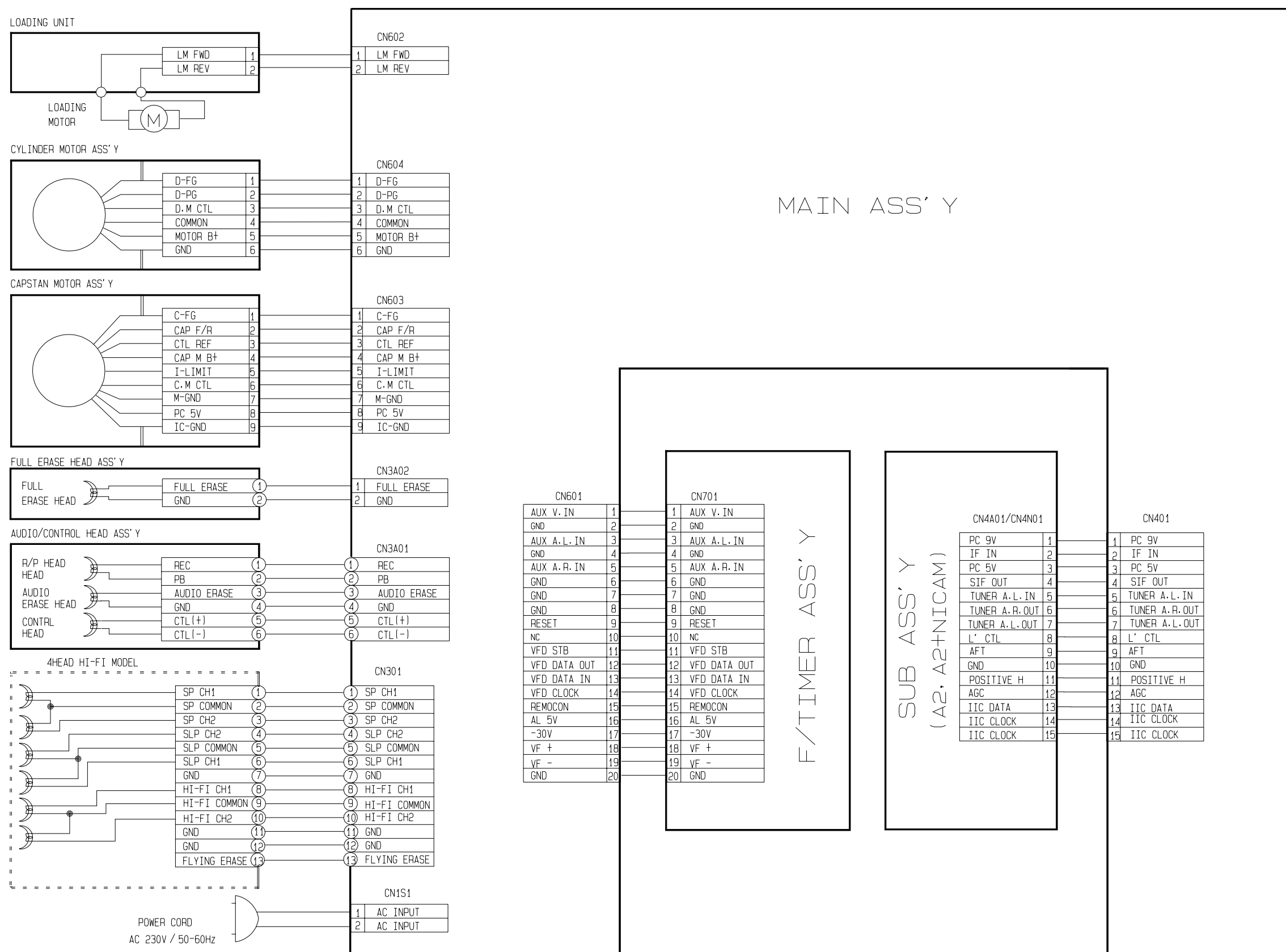


9-3 Function-Timer



- CN701 (G01)
- IC701 (F01)
- Q701 (B11)
- Q702 (A11)
- ZD701 (D01)
- ZD702 (C01)

10. Wiring Diagram



11. Schematic Diagrams

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Note

For schematic Diagram
 - Resistors are in ohms, 1/8W unless otherwise noted.
 - Circled numbers refer to waveforms.


Special note :

Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

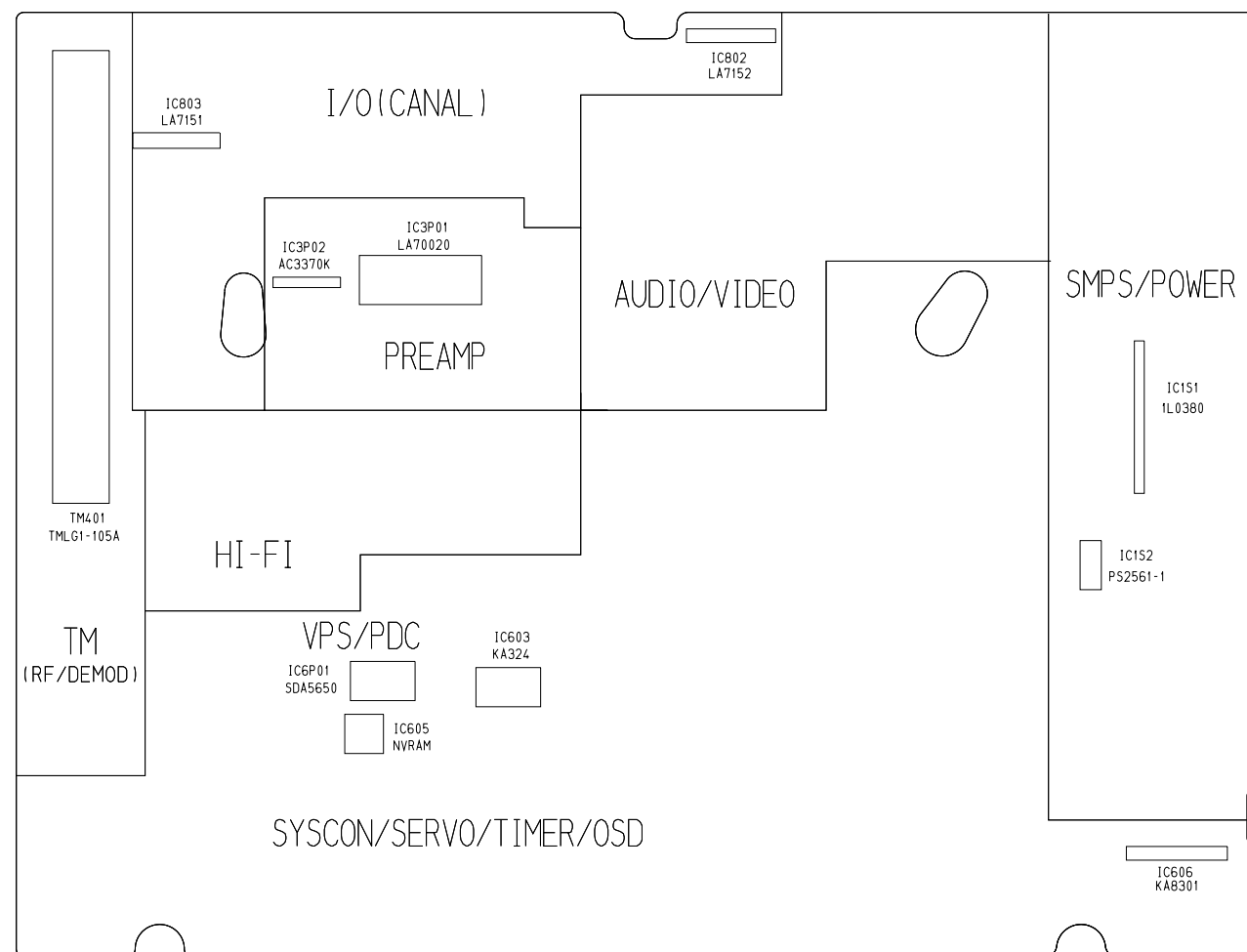
Note :

Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

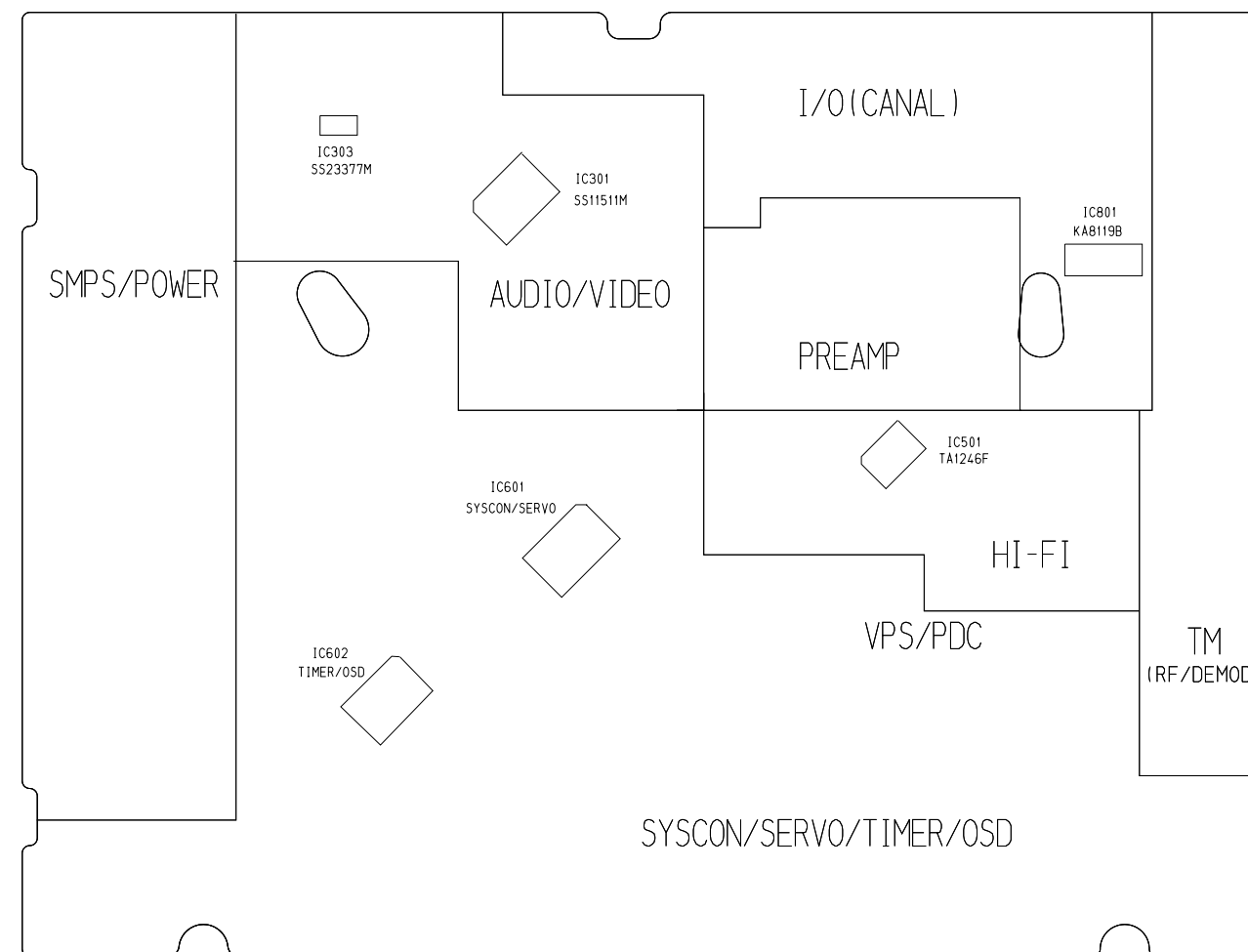
Important safety notices :

Components identified with the mark  have the special characteristics for safety. When replacing any of these components. Use only the same type.

◆ **Block Identification of Main PCB**

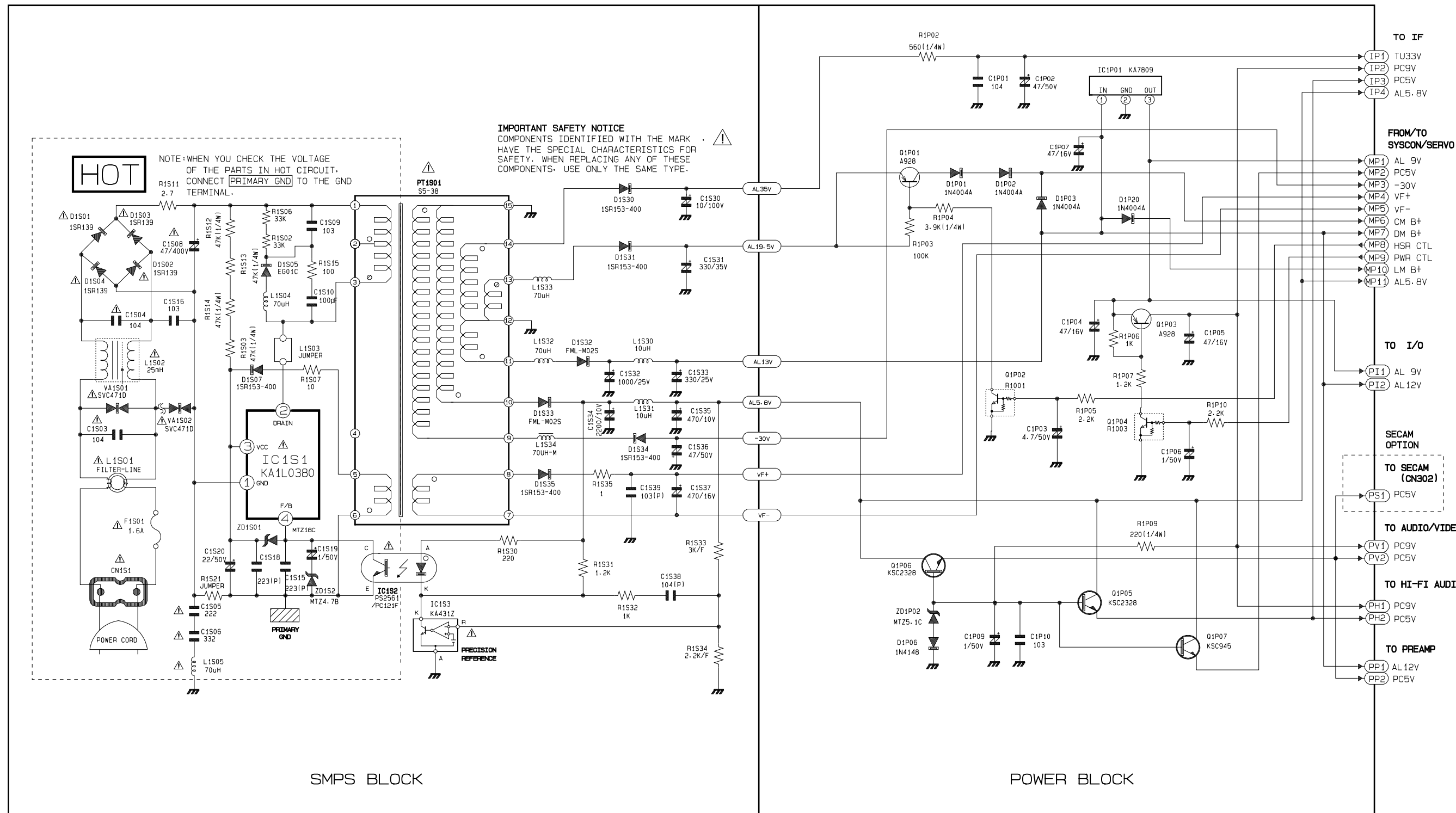


(Component Side)

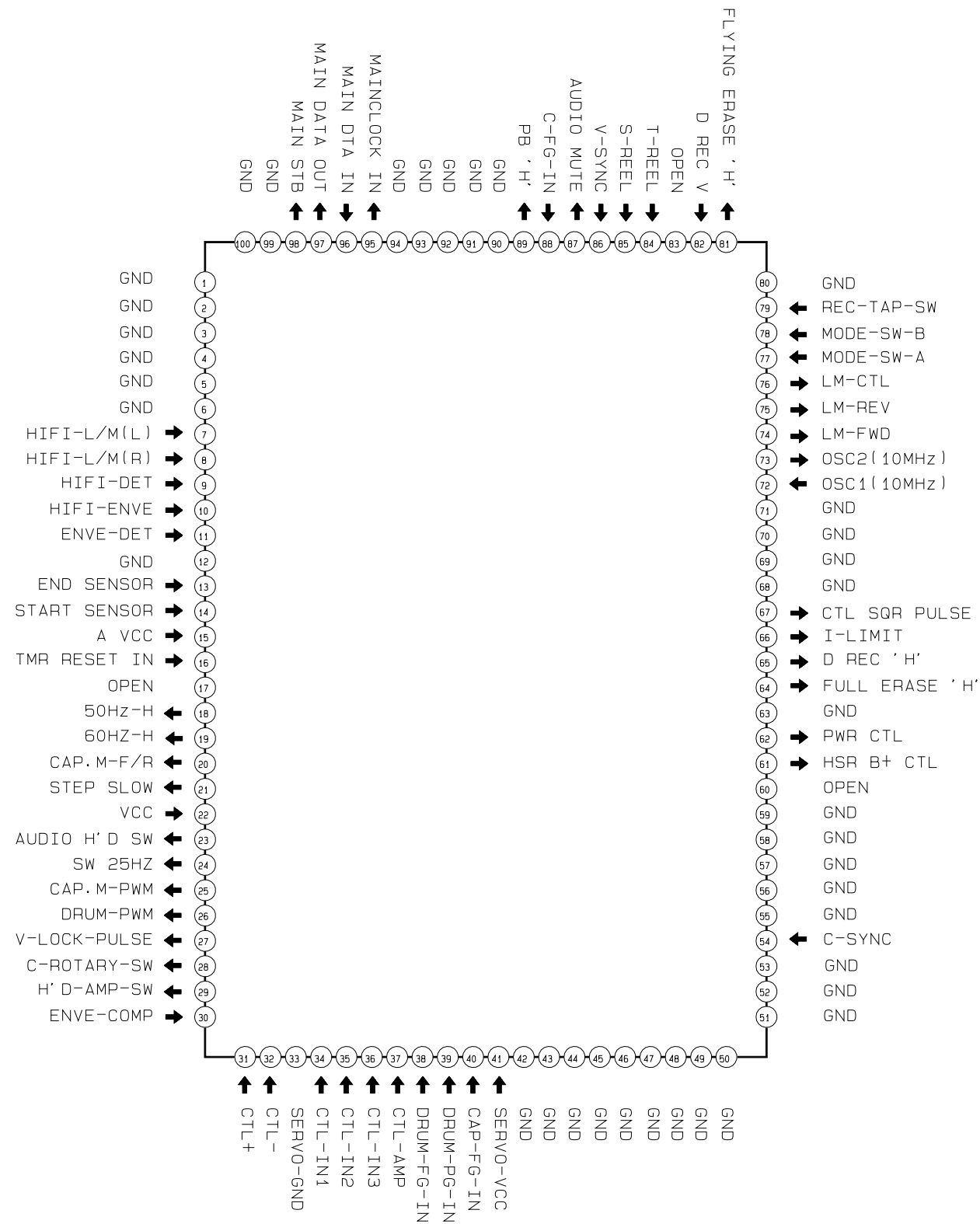


(Conductor Side)

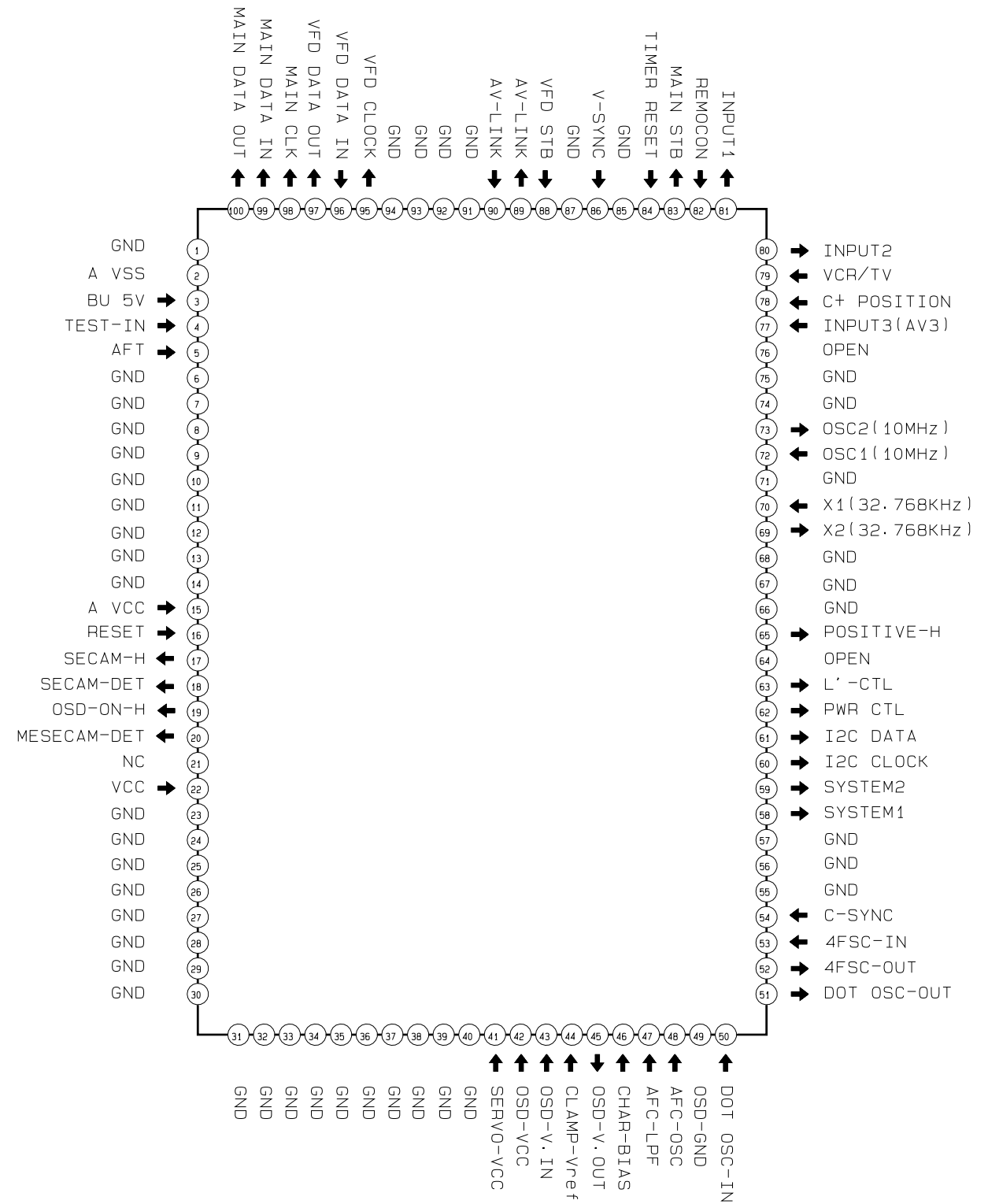
11-1 S.M.P.S/POWER



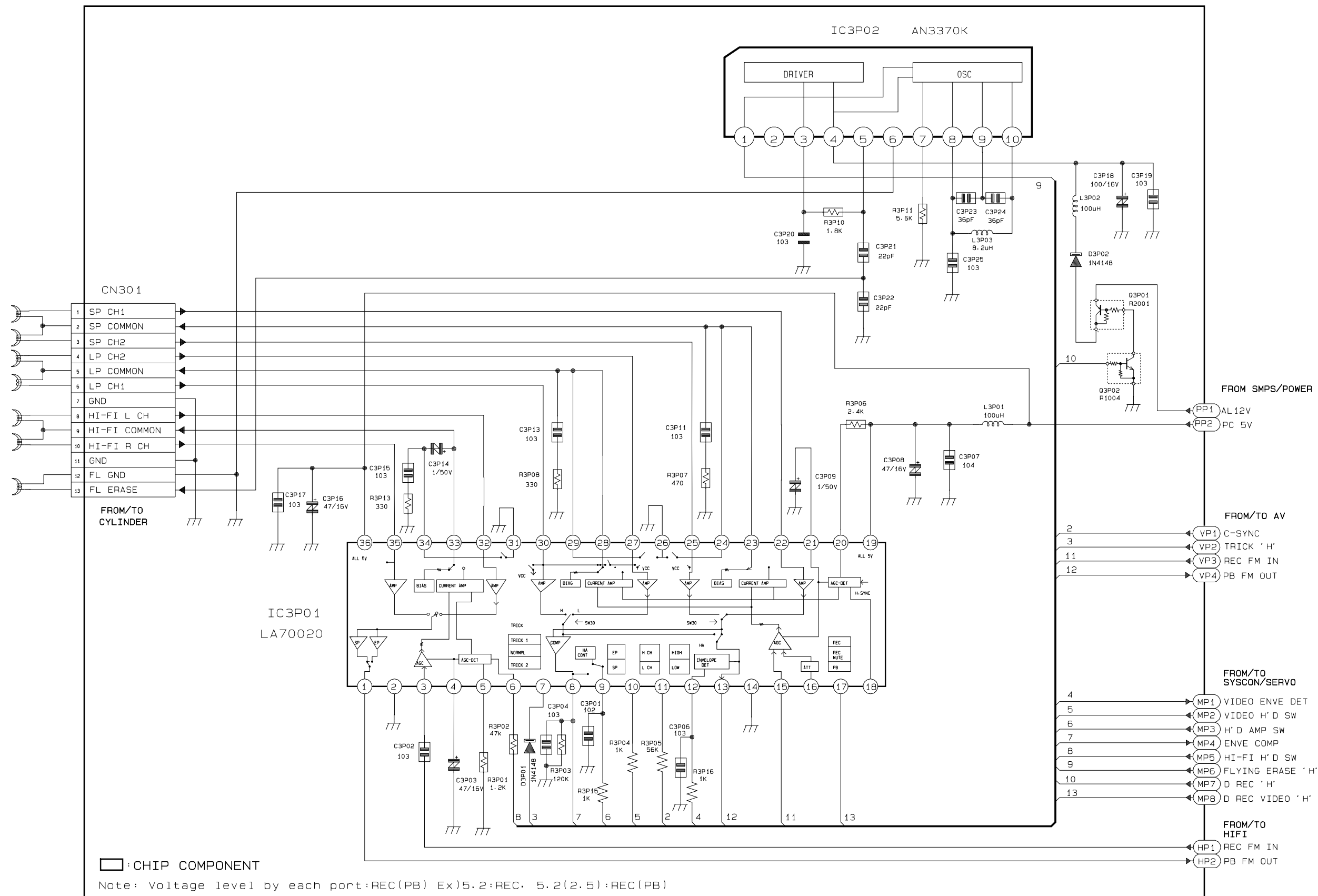
IC601 HD6473977

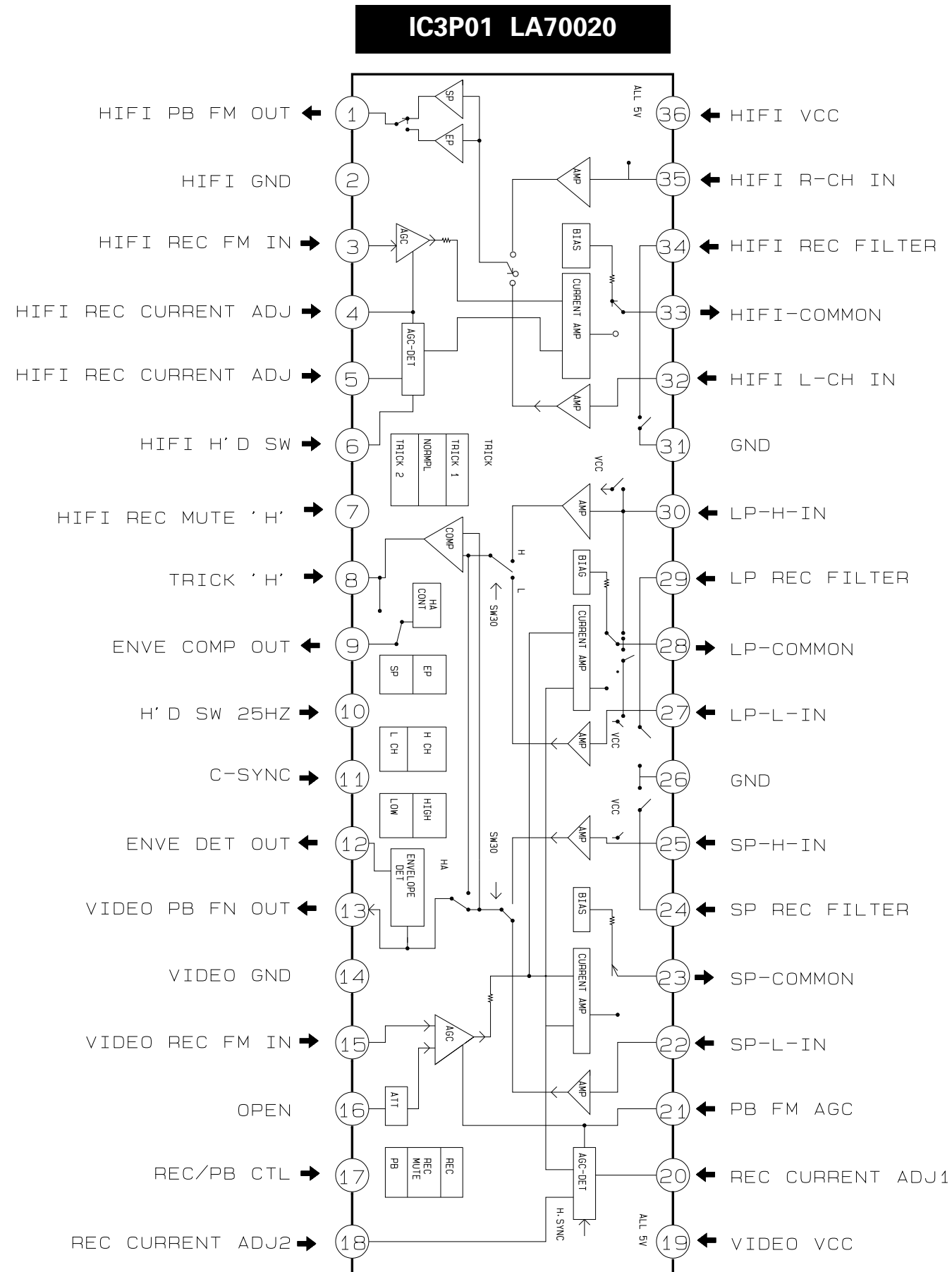


IC602 HD6473977

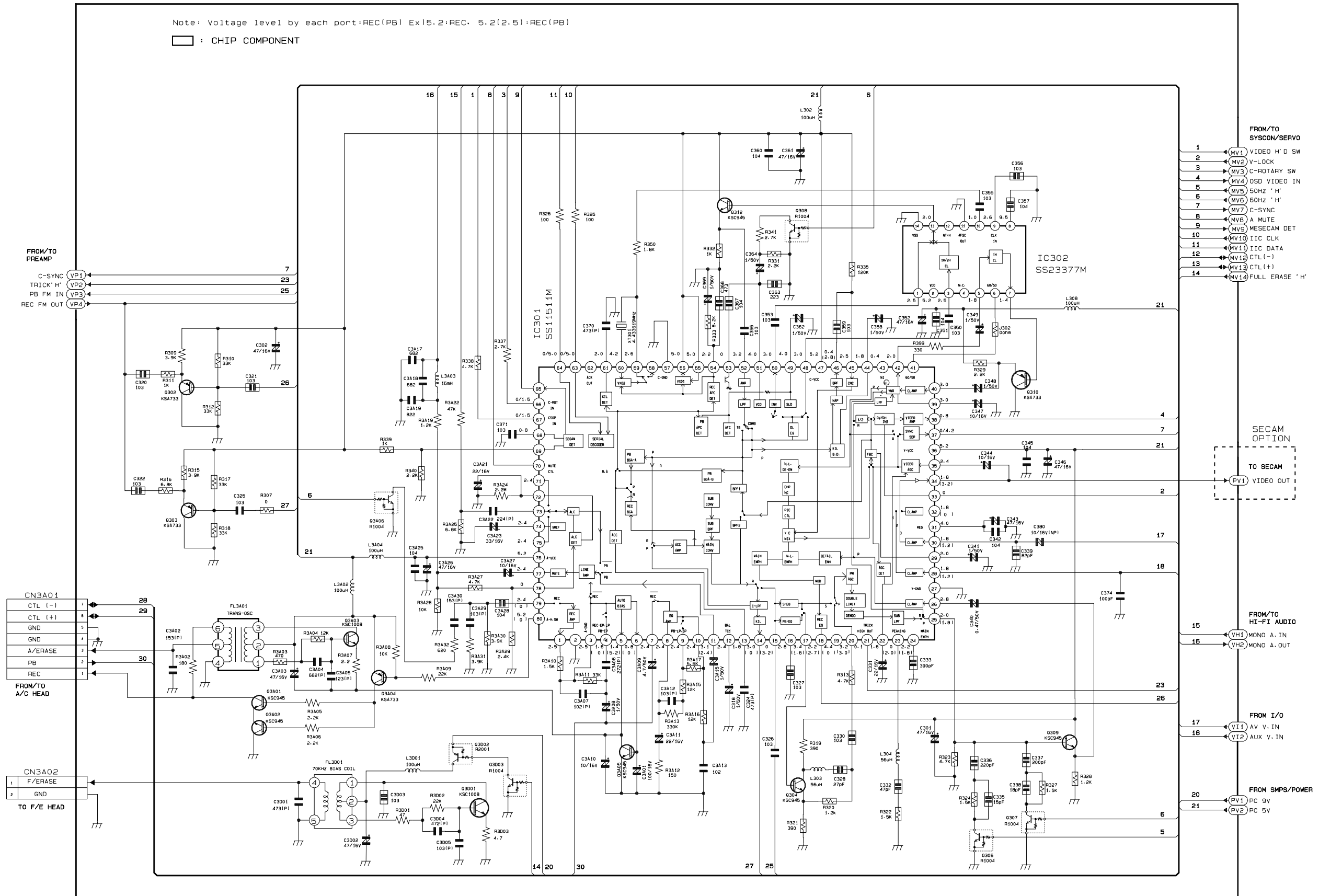


11-3 Pre-Amp

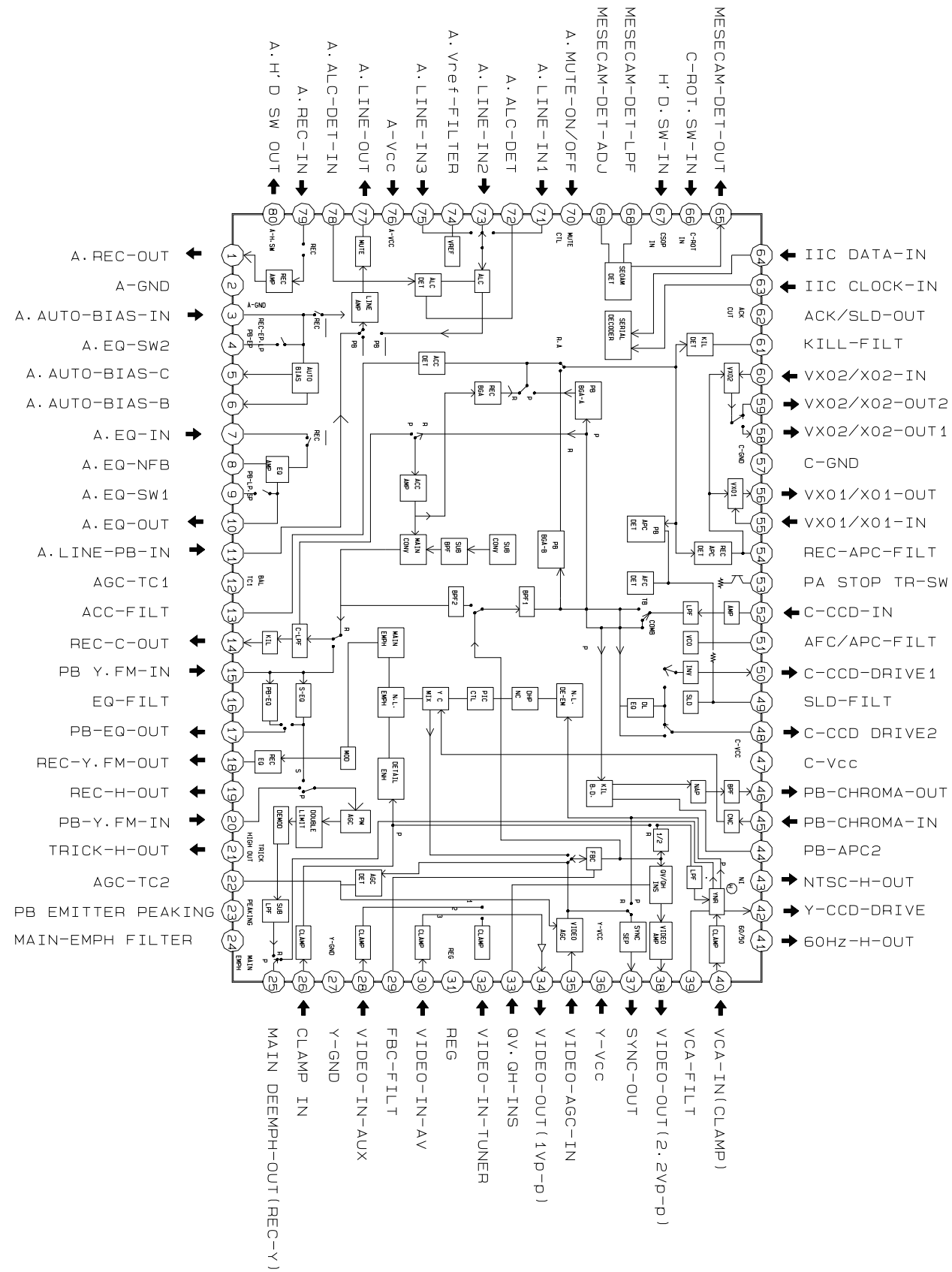




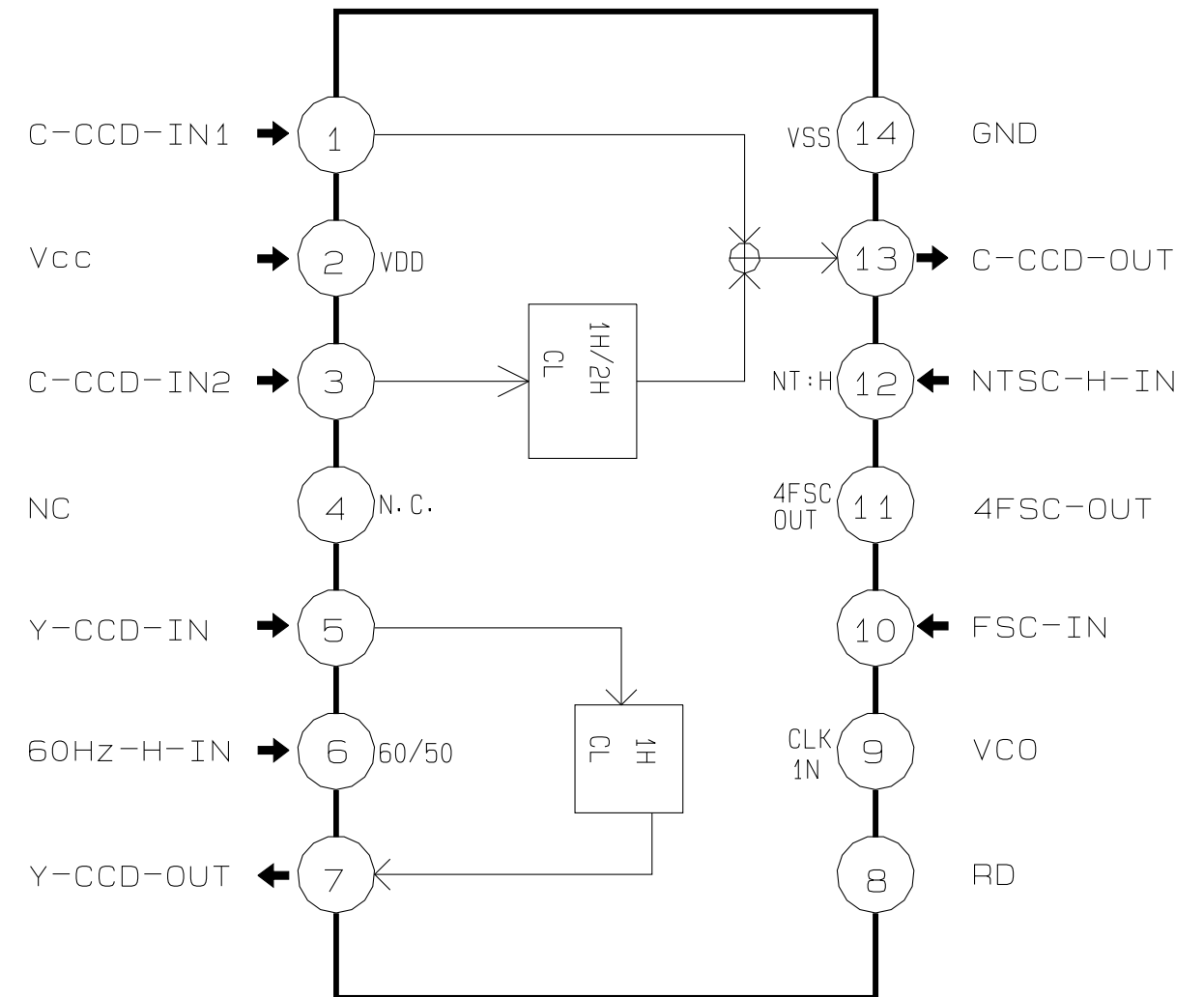
11-4 Audio/Video



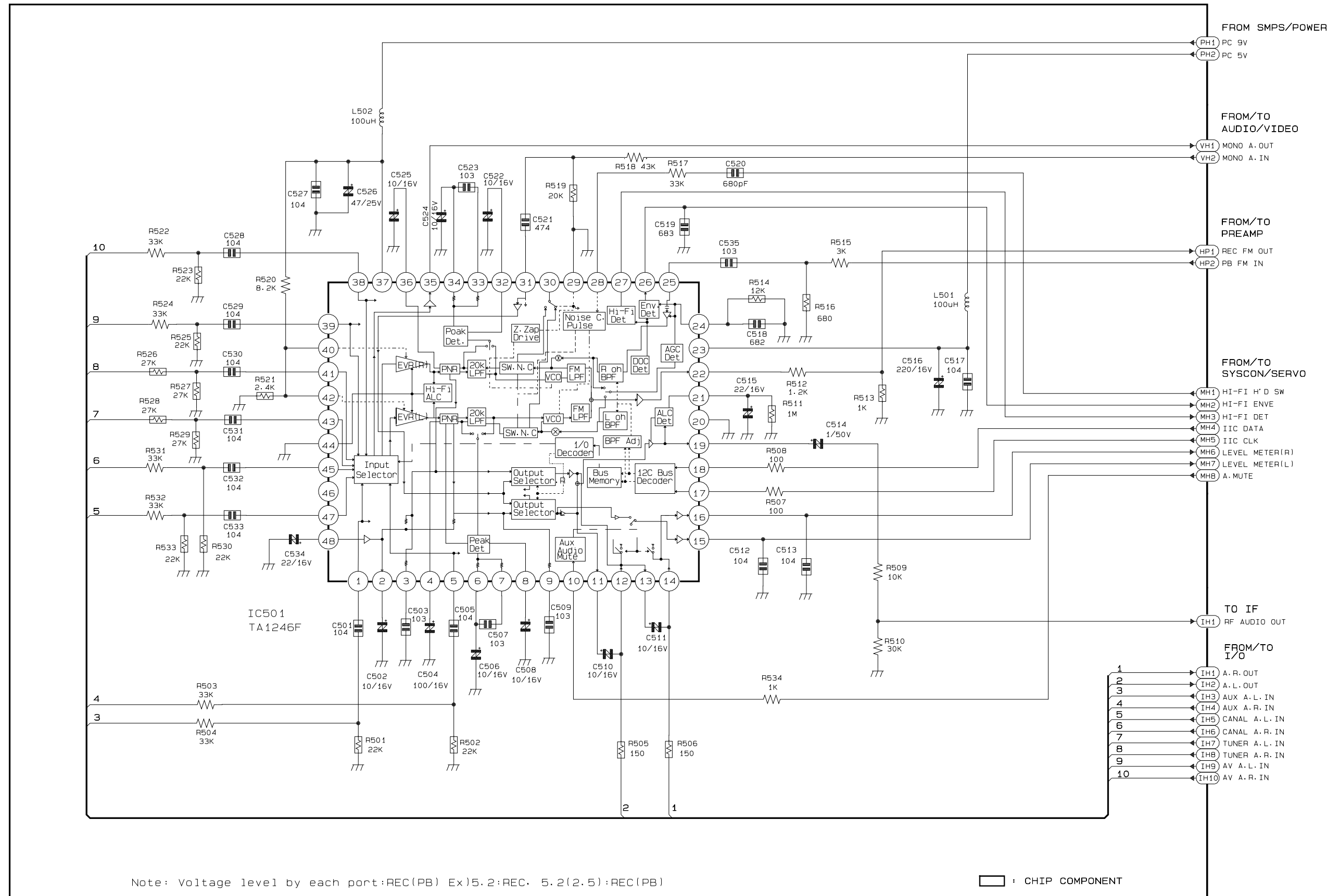
IC301 SS11511M



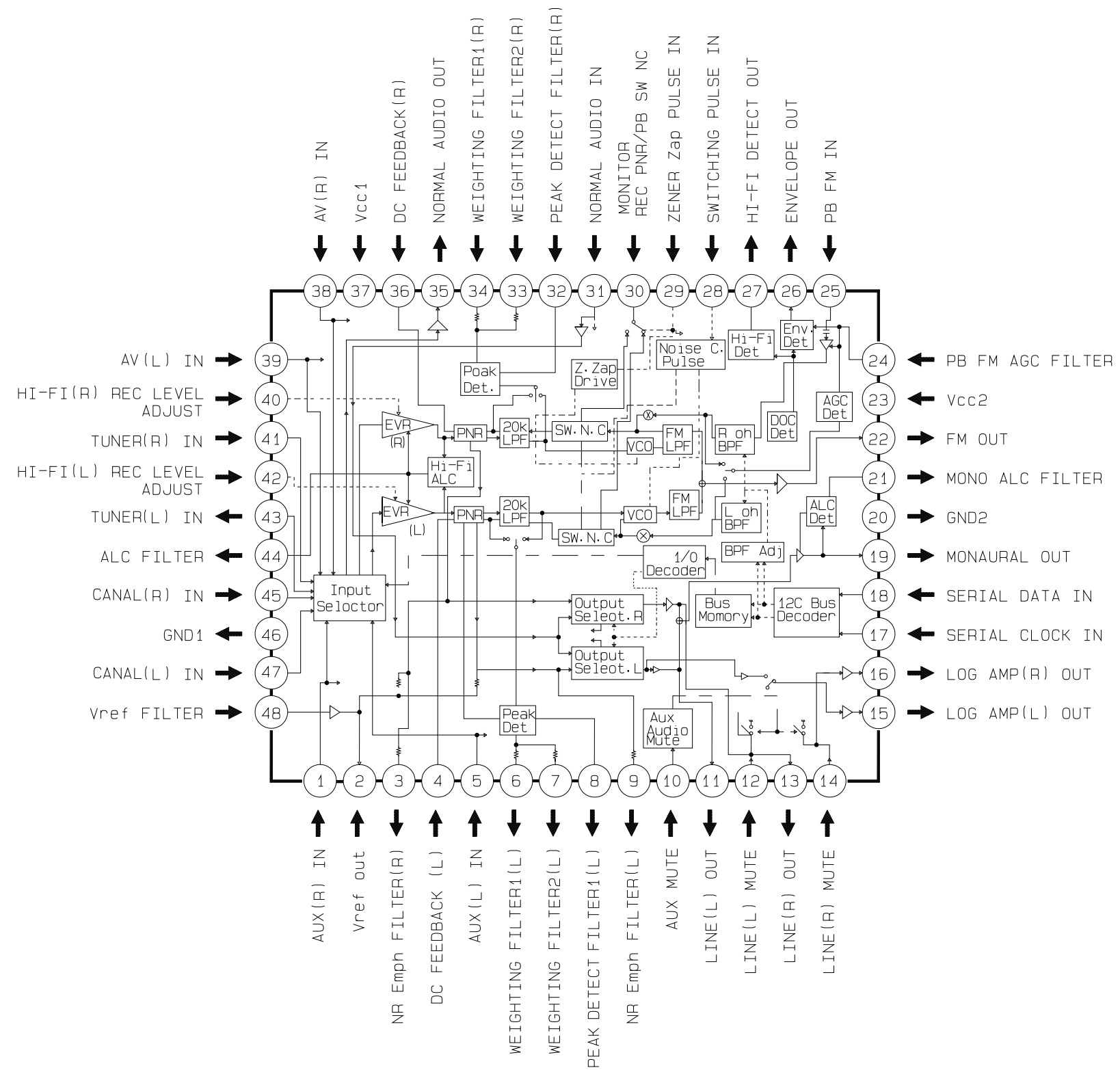
IC303 SS23377M



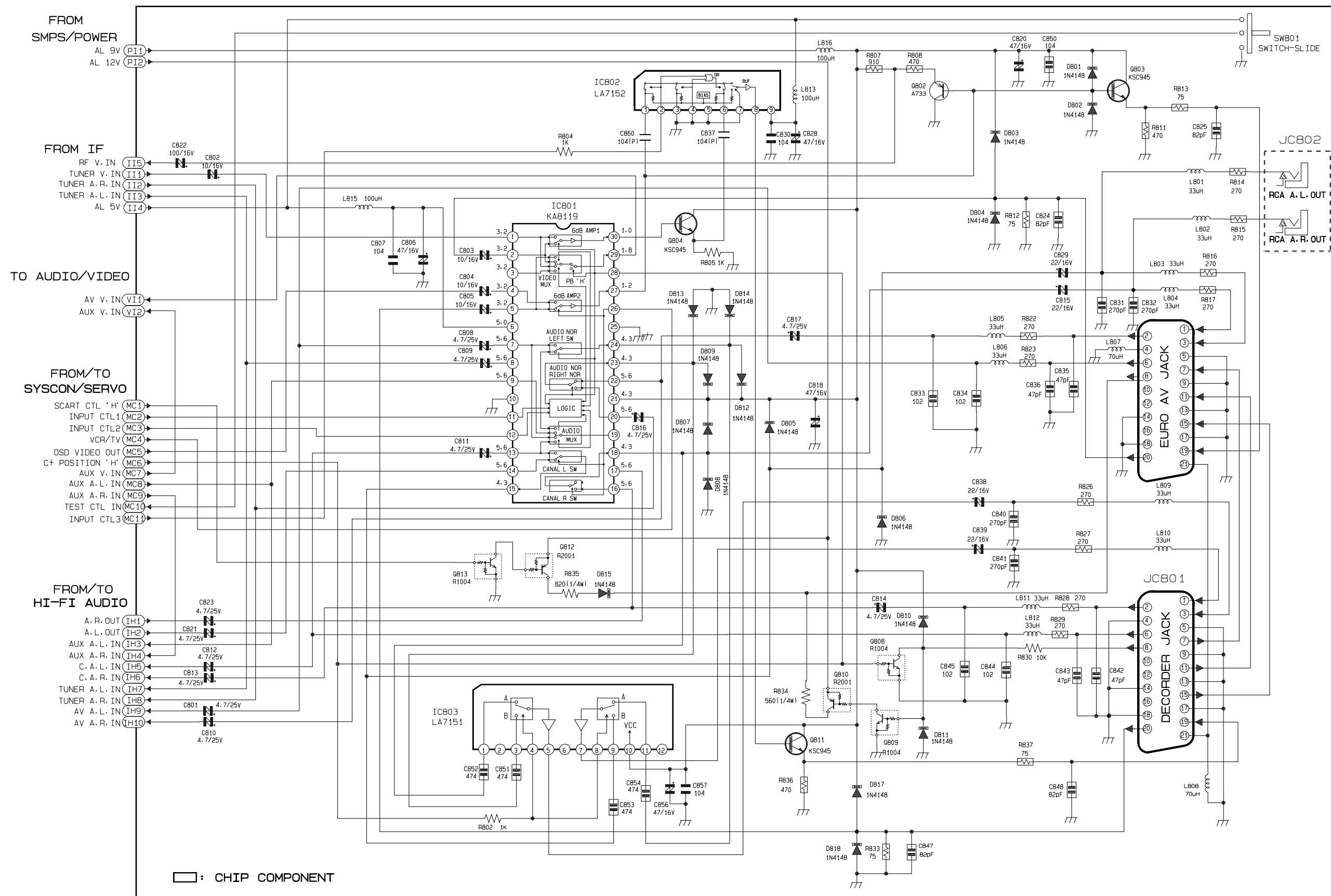
11-5 Hi-Fi Audio



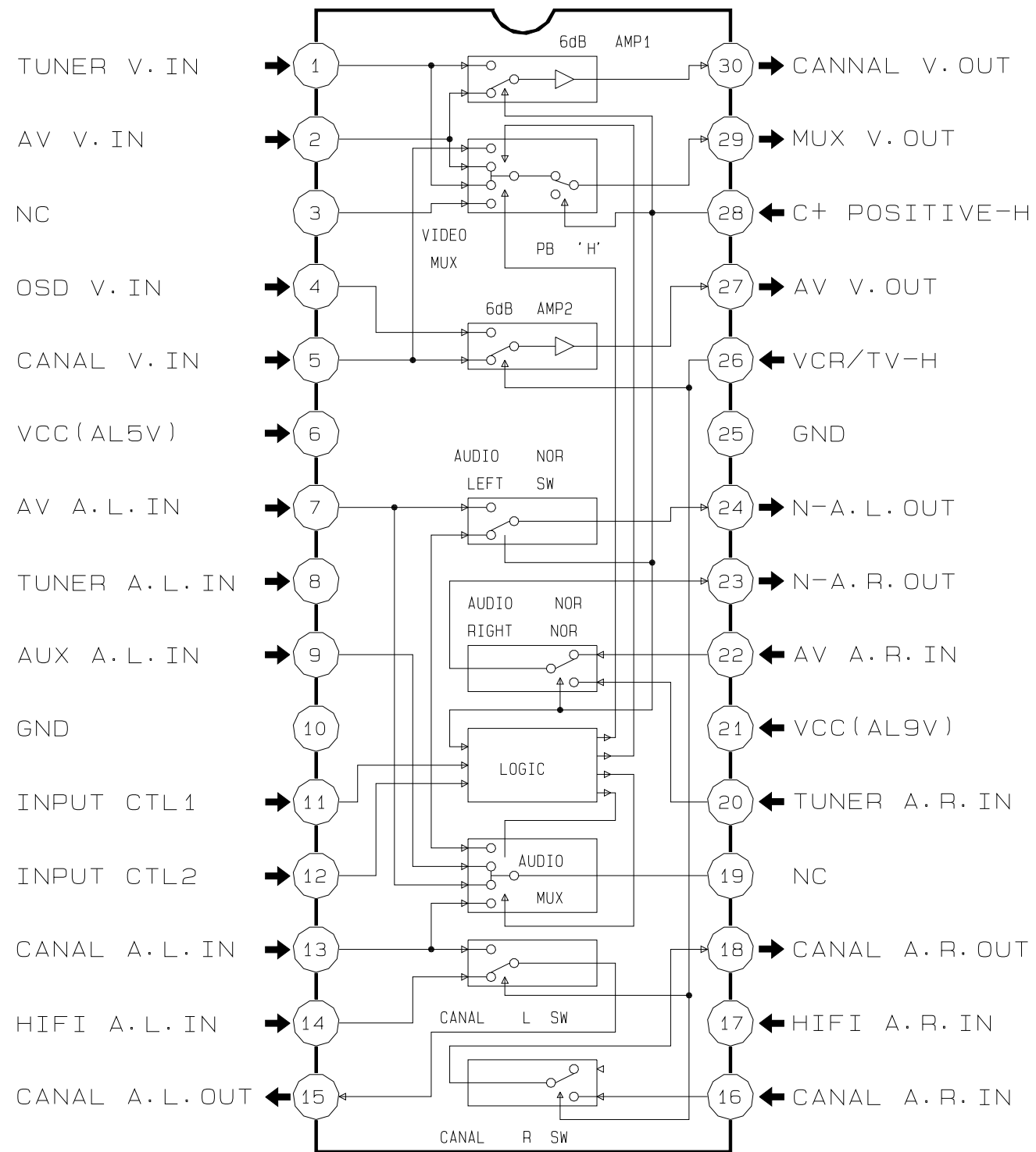
IC501 TA1246F



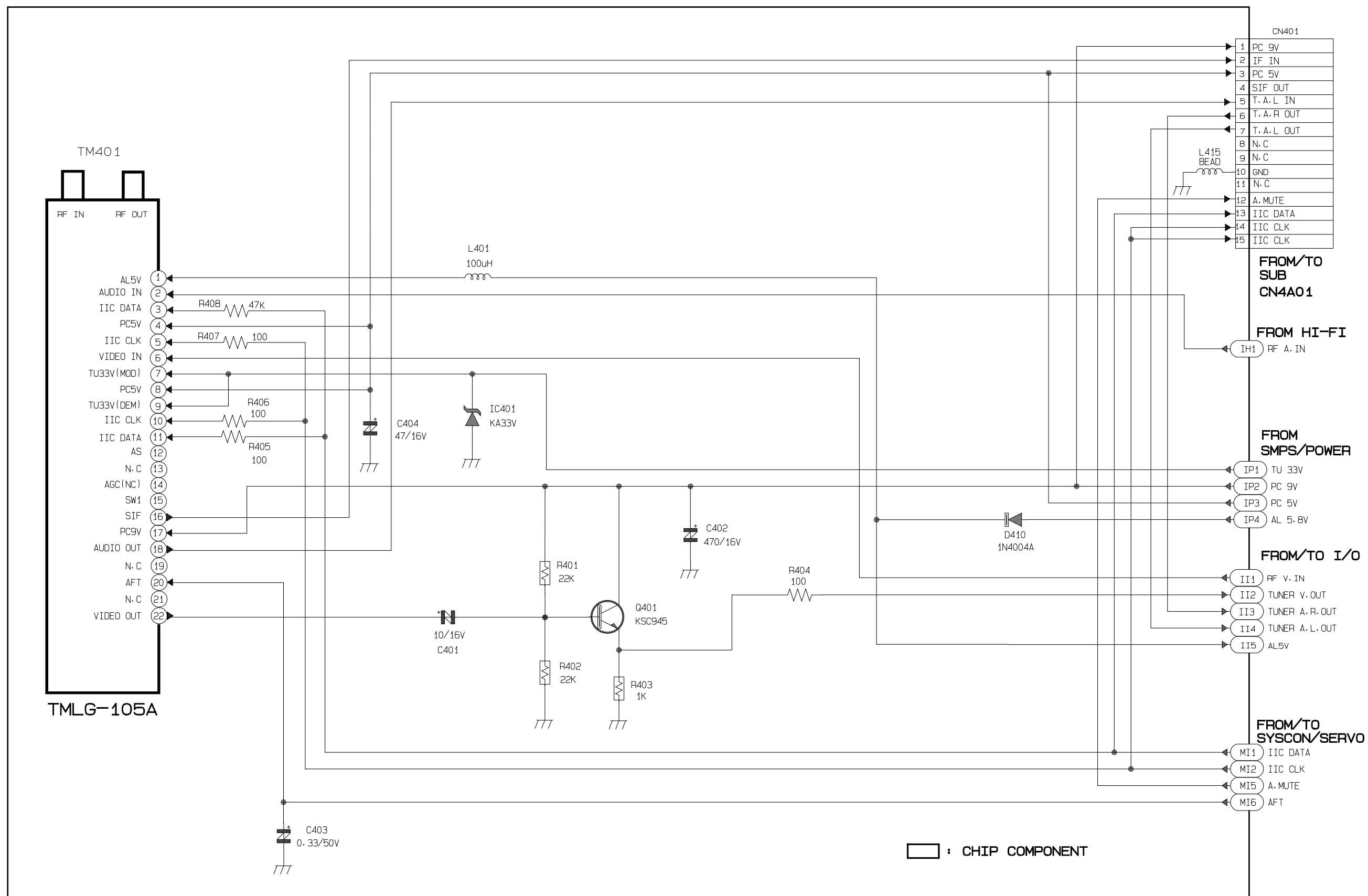
11-6 I/O



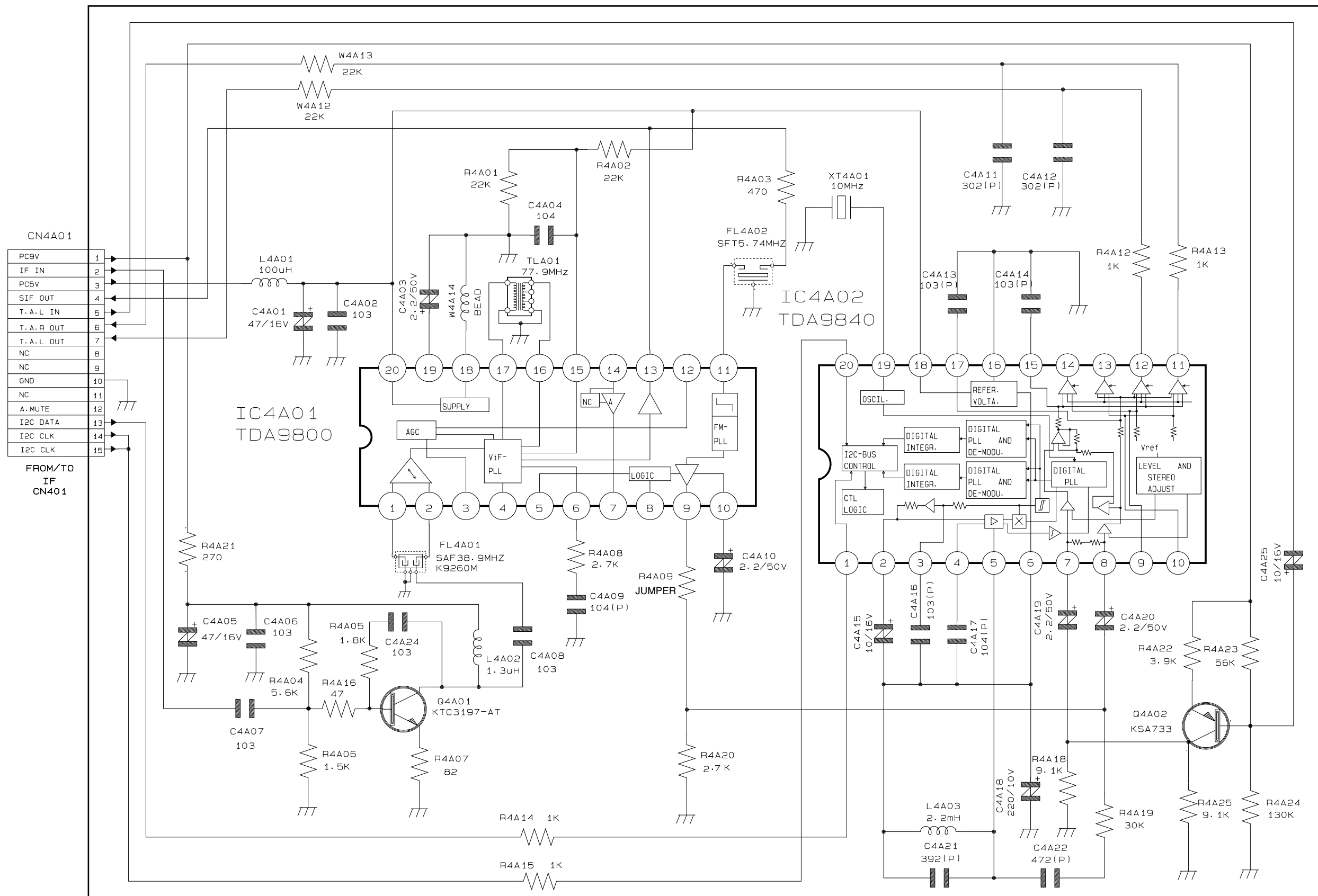
IC801 KA8119



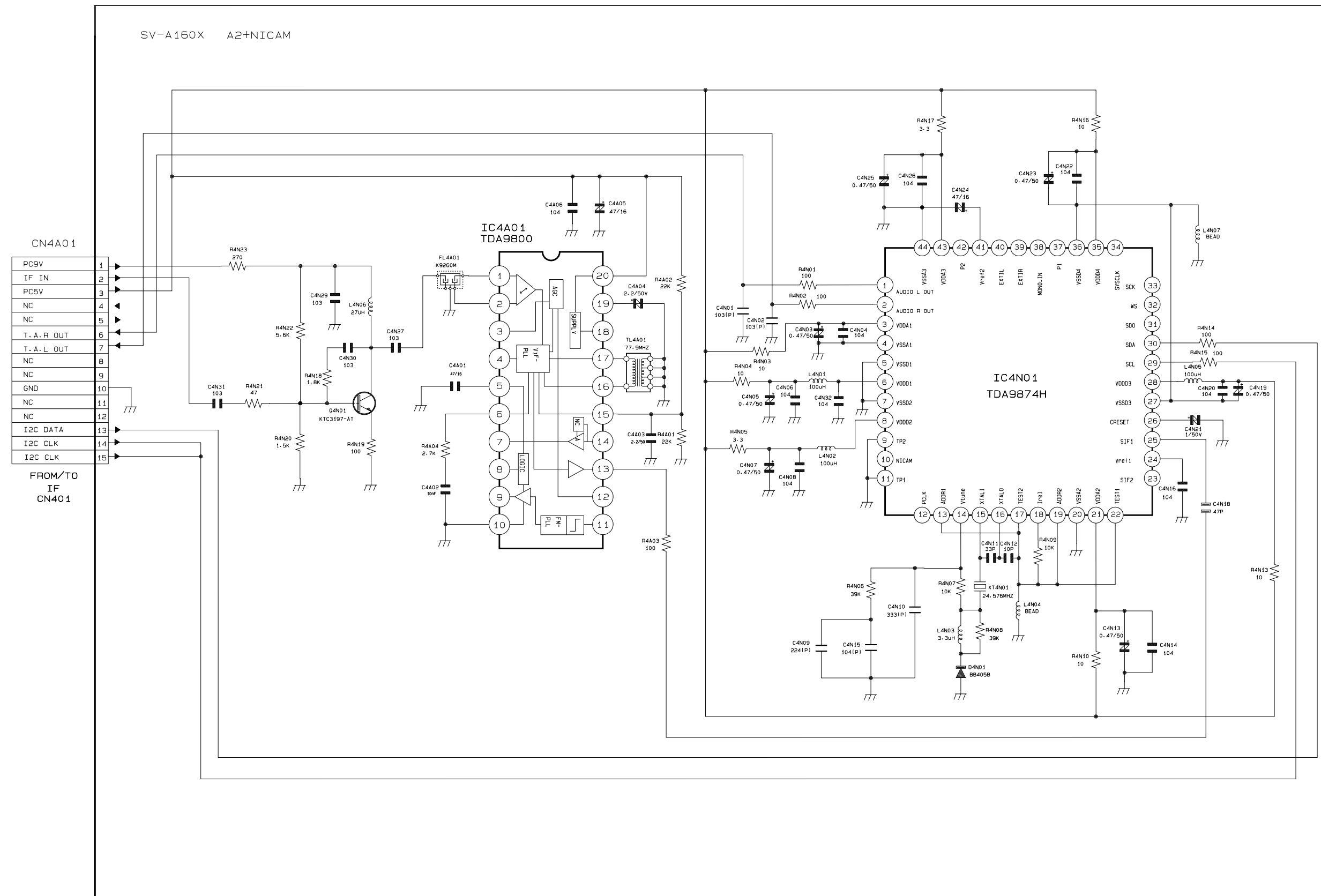
11-7 IF



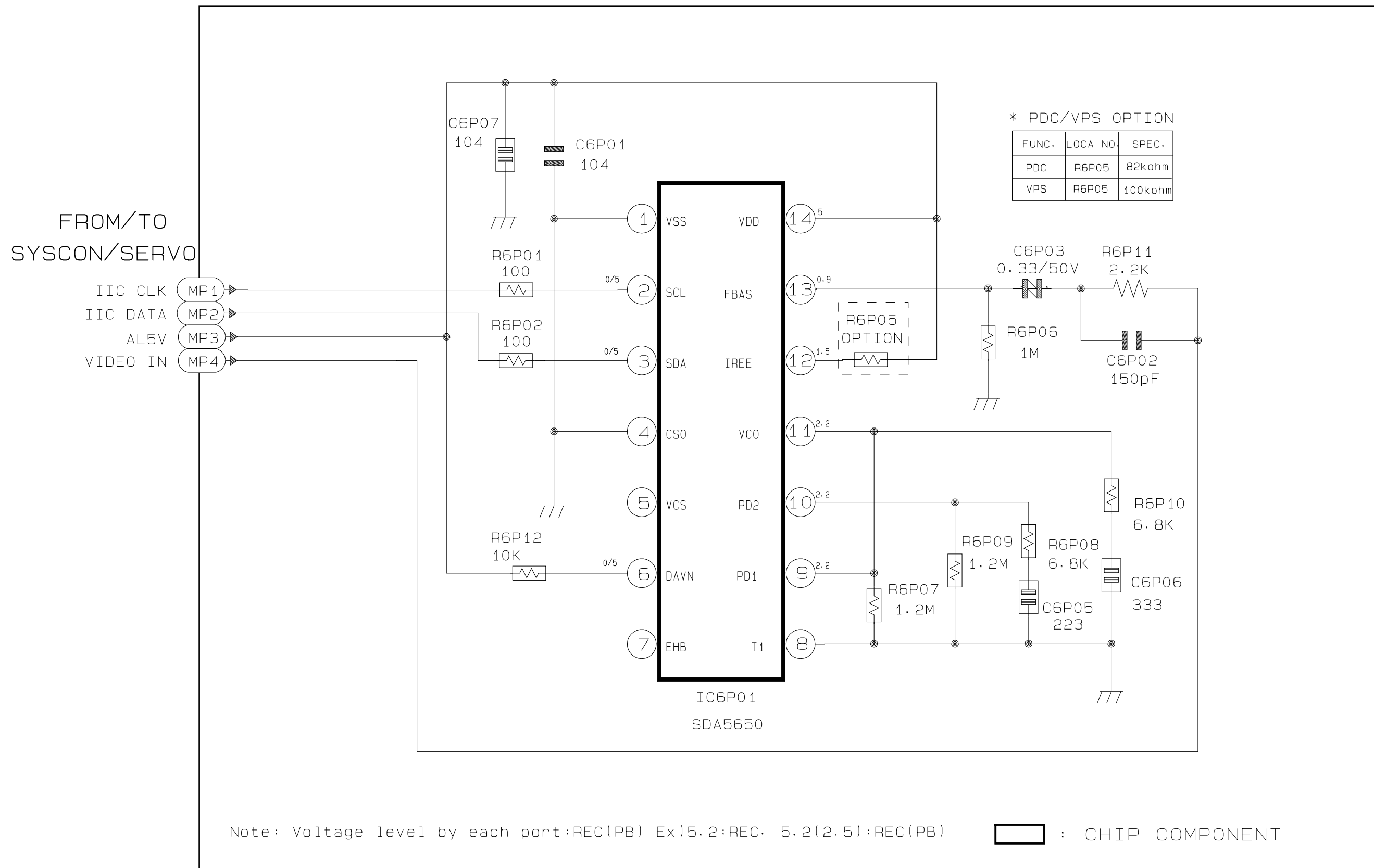
11-8 Sub(A2)



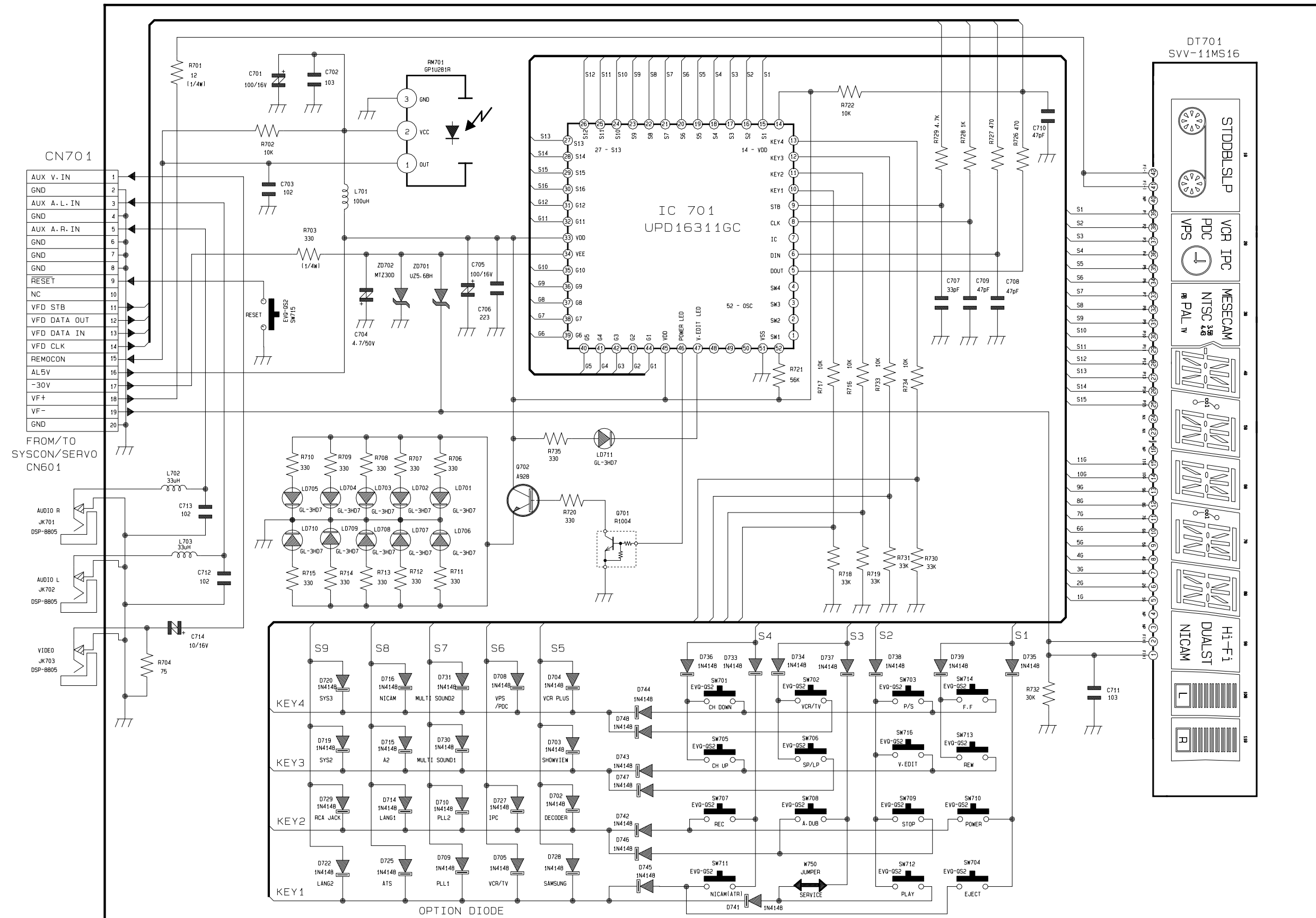
11-9 Sub(A2+NICAM)



11-10 VPS/PDC



11-11 Function-Timer



11-12 Remote-Control

