



VIDEO CASSETTE RECORDER

SV-A20GK/SV-200G

SV-A40GK/SV-205G

SV-A60GK/SV-400G

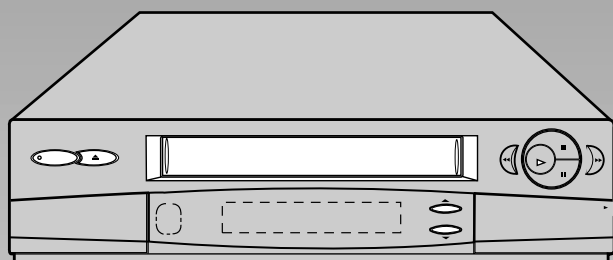
SV-A80GK/SV-405G



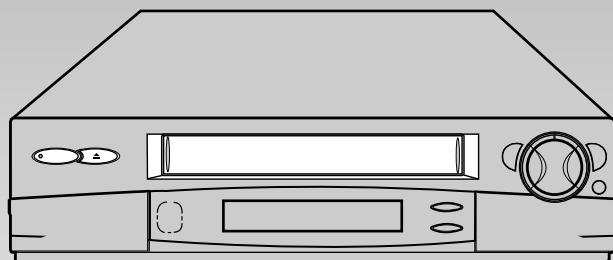
SERVICE Manual

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

VIDEO CASSETTE RECORDER



SV-A20GK/SV-A60GK
SV-200G/SV-400G



SV-A40GK/SV-A80GK
SV-205G/SV-405G

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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.

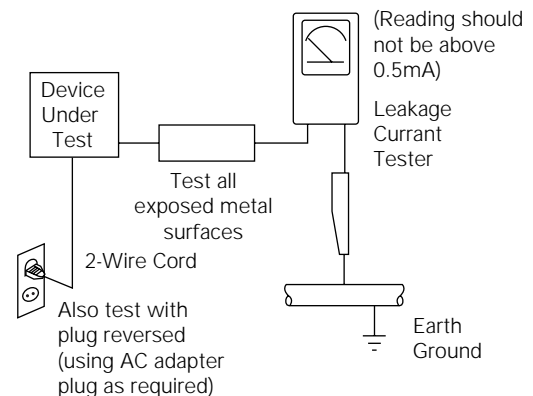




Fig. 1-1 AC Leakage Test

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

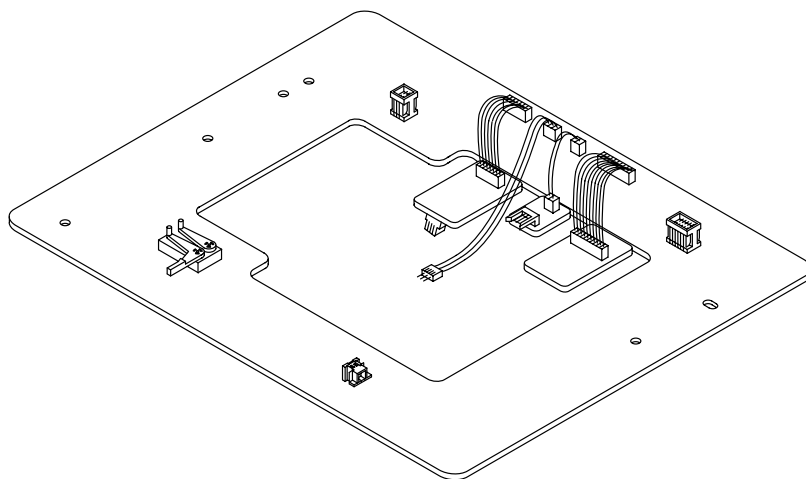
1. For this VCR chassis, the program switch and the sensors (start/end/reel) are located on the main PCB, not on the deck ass'y.
2. As long as the deck ass'y is connected to the main PCB, all repairs are possible.
Important : In order to repair the main PCB without the deck ass'y connected, the X-5 chassis 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

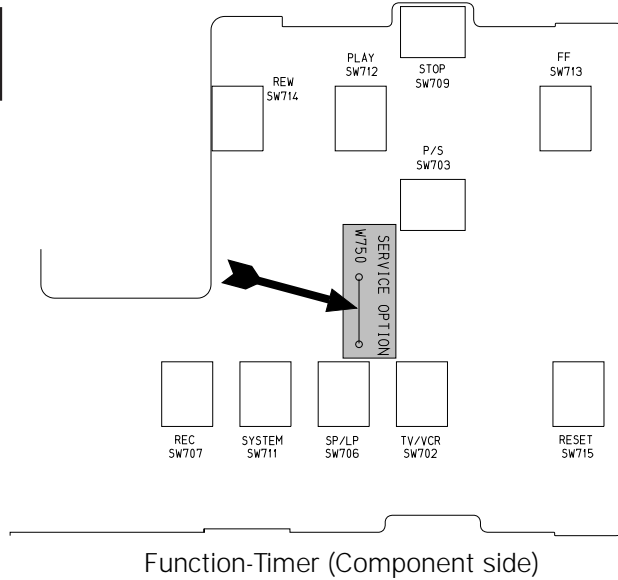
Jig Item	Part No.	Use
X-5 Chassis Jig	68140-500-013	Connects the deck ass'y to the main PCB connecting cable.



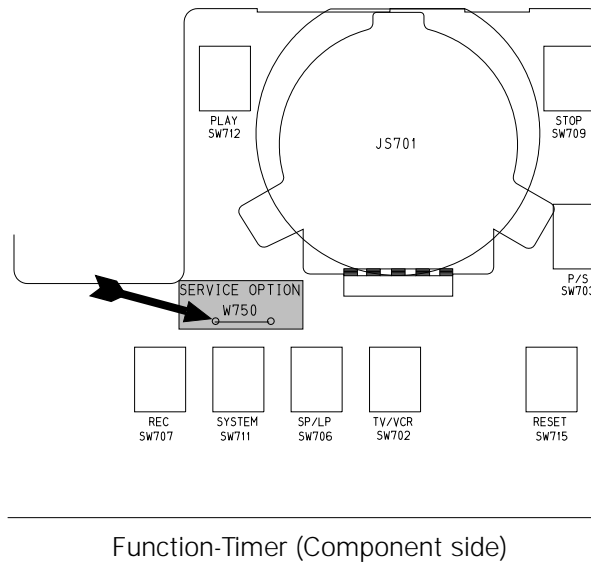
2-1-4 How to Connect X-5 chassis jig

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).

**SV-A20GK/A60GK
SV-200G/400G**



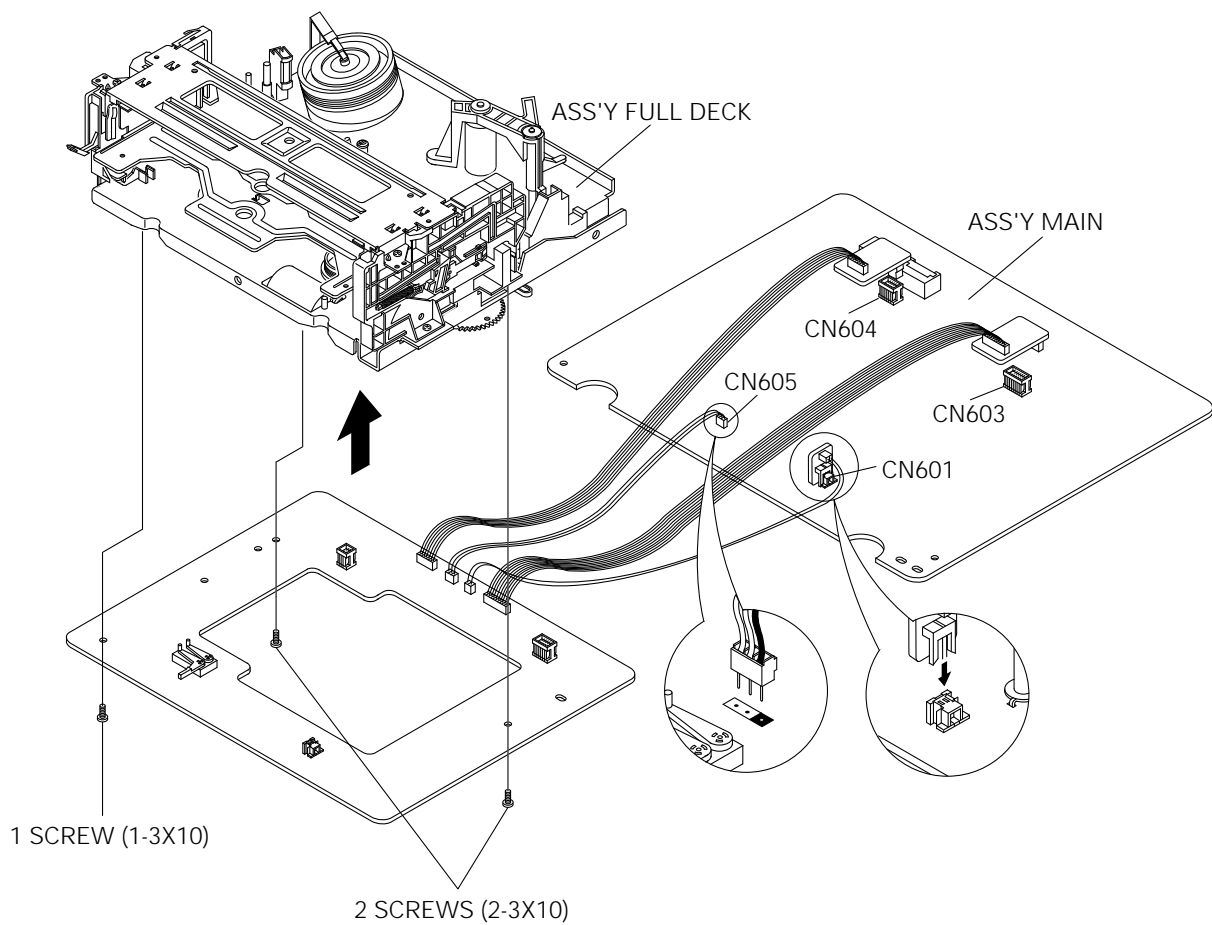
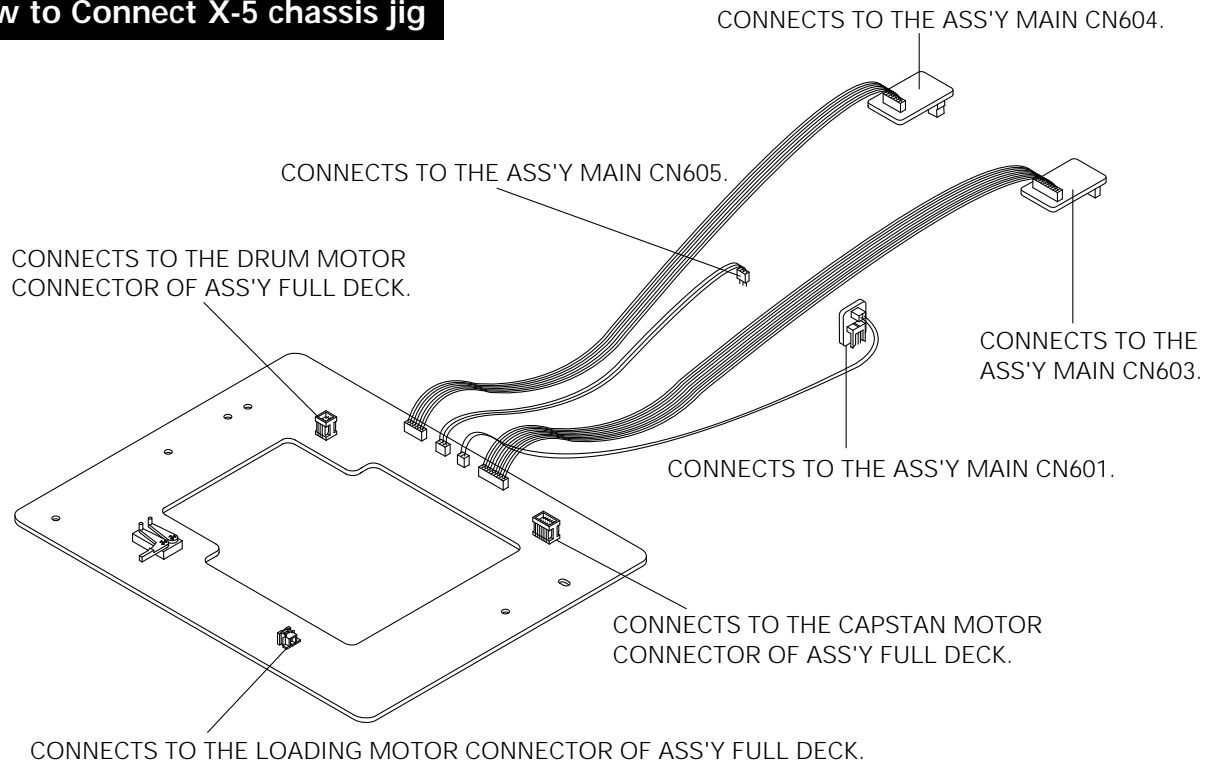
**SV-A40GK/A80GK
SV-205G/405G**



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



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3. Product Specifications and Comparison Chart

3-1 Product Specifications

Design and specifications are subject to change without notice.

Operation	Description
Format	VHS PAL/MESECAM standard
Heads	Video : SV-A20G/A40G/200G/205G - 2 rotary heads SV-A40G/A80G/400G/405G - 4 rotary heads Audio/Control : 1 stationary head Erase : 1 full track erase head
Receiving channel	VHF-I, VHF-III, UHF, 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) 42 dB min (IHF A filter) 100Hz-8KHz
Power requirement	230V (AC 50/60 Hz)
Power consumption	Approx. 18 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	AUDIO DUBBING	VPS	SLOW	SHOW VIEW	ATS	JUST REC	FRONT AV	REAR JACK	TAPE SPEED	DLC	REMARK
SV-A20GK/SEH (SV-200G)	X	X	X	O	X	X	X	X	1 SCART	SP	O	
SV-A20GK/POL (SV-200G)	X	X	X	O	X	X	X	X	1 SCART	SP	O	
SV-A40GK/SEH (SV-205G)	O	O	X	O	O	X	X	O	1 SCART	SP	O	
SV-A40GK/POL (SV-205G)	O	O	X	O	O	X	X	O	1 SCART	SP	O	
SV-A60GK/SEH (SV-400G)	X	X	X	O	X	X	O	X	1 SCART	SP/LP	O	
SV-A60GK/POL (SV-400G)	X	X	X	O	X	X	O	X	1 SCART	SP/LP	O	
SV-A80GK/SEH (SV-405G)	O	O	O	O	O	O	O	O	1 SCART	SP/LP	O	
SV-A80GK/POL (SV-405G)	O	O	O	O	O	O	O	O	1 SCART	SP/LP	O	

4. Disassembly and Reassembly

4-1 Cabinet Assembly

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

4-1-1 Cabinet Top removal

1. Remove 5 screws and slide the top cabinet to the rear to remove.

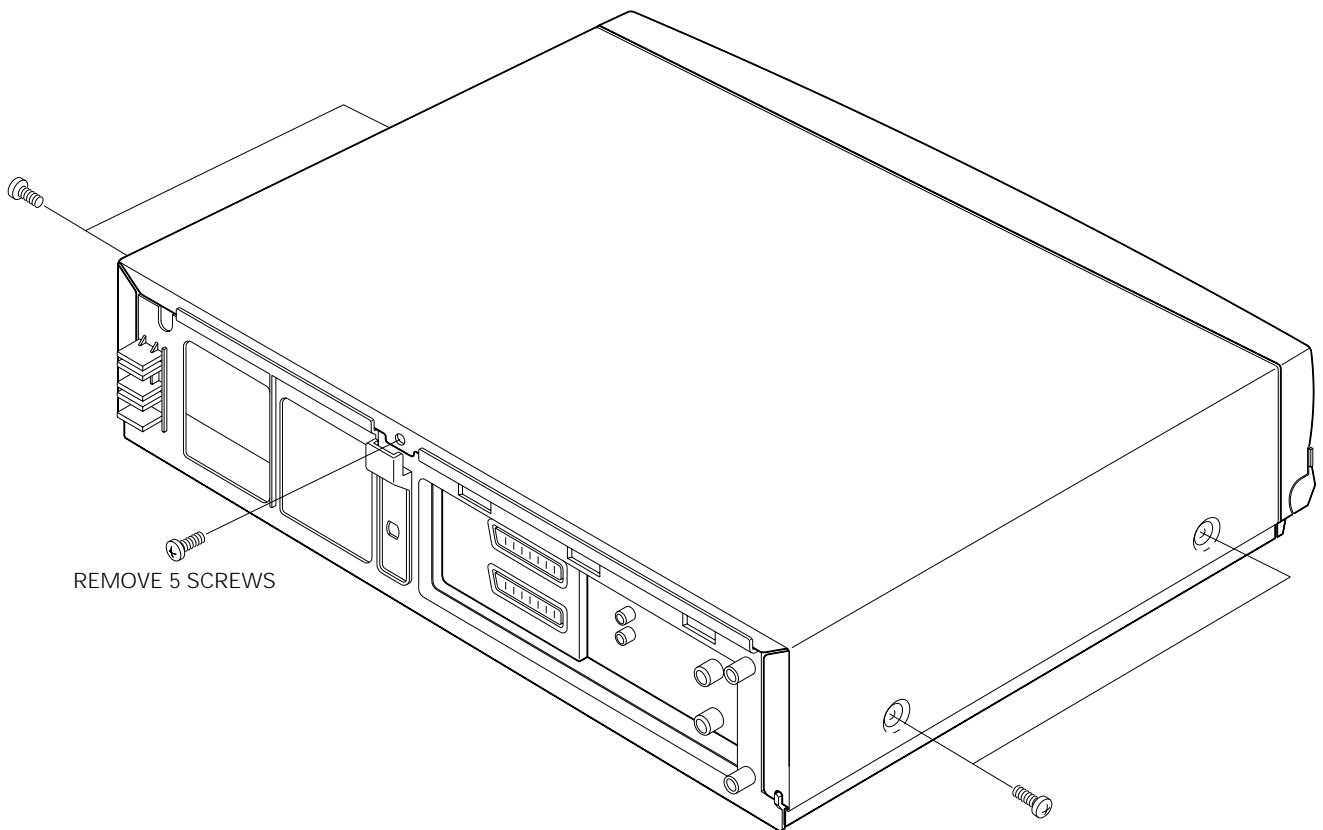


Fig. 4-1 Cabinet Top removal

4-1-2 Bottom cover removal

1. Remove 2 screws.
2. Lift up the bottom cover toward arrow "A".

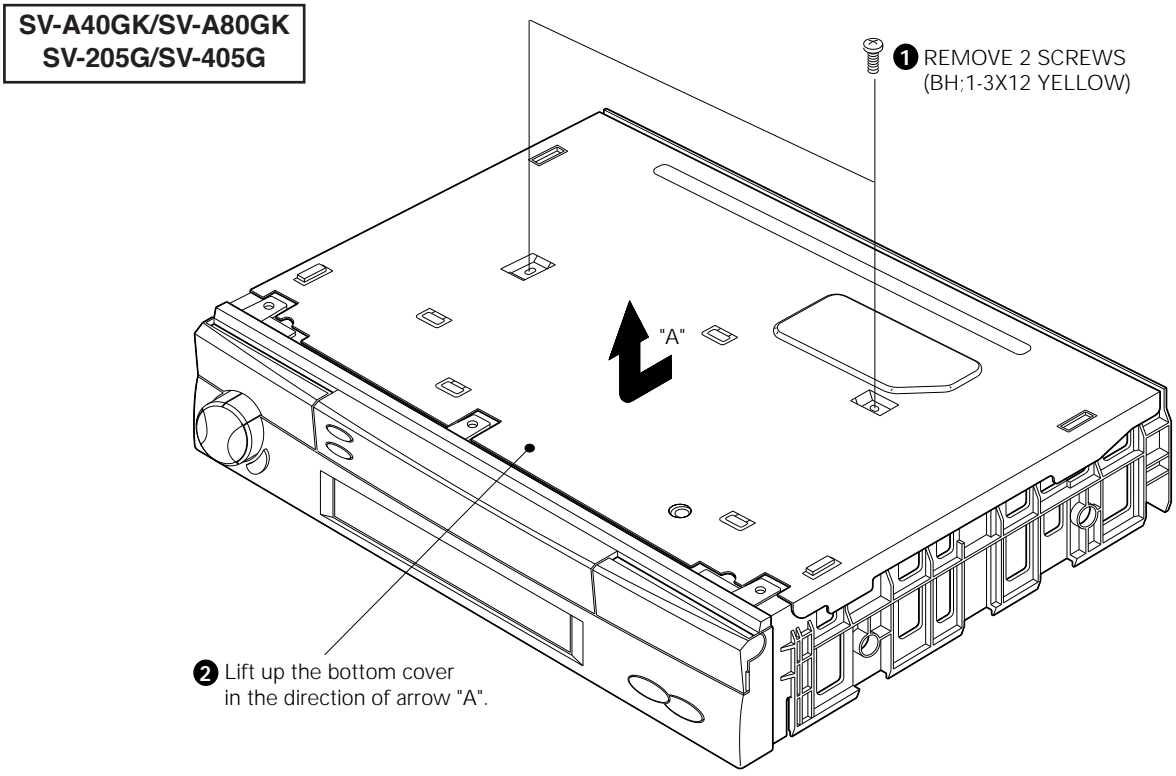
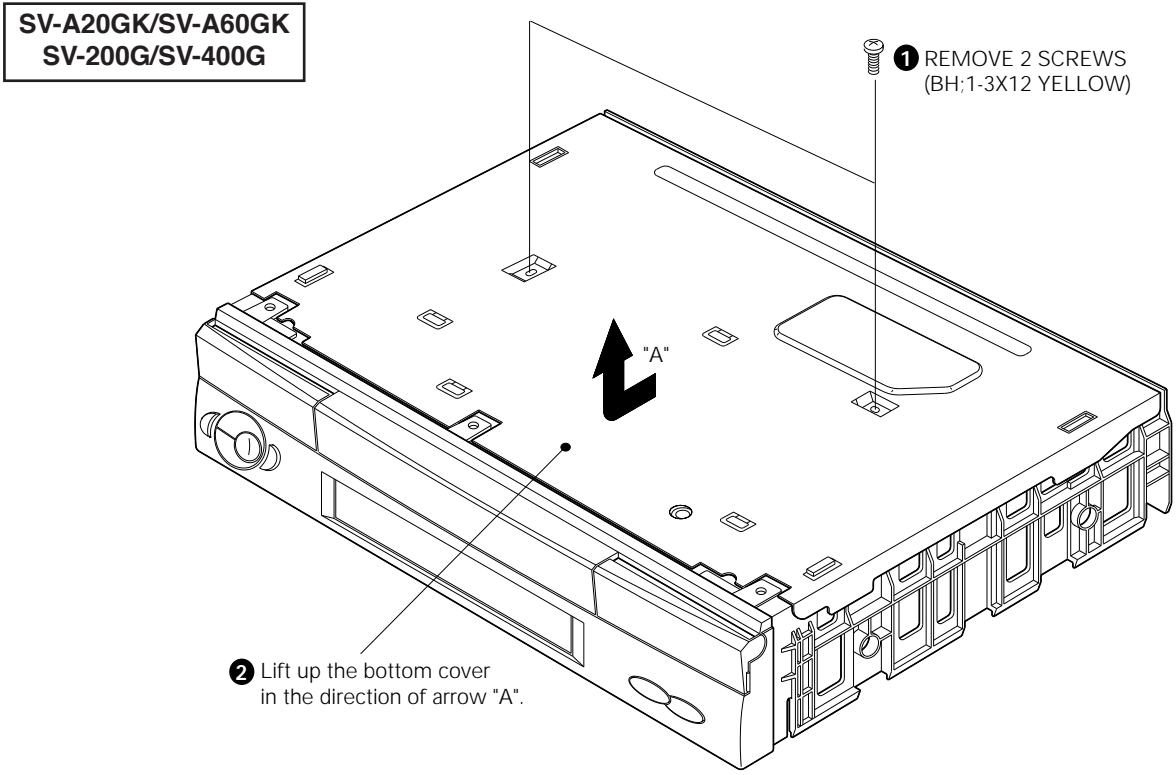


Fig. 4-2 Bottom Cover removal

4-1-3 Ass'y Front Panel removal

1. Remove the knob-shuttle.
2. Release 4 hooks on the top side and 3 hooks on the bottom side and then, pull the ass'y front panel to remove.

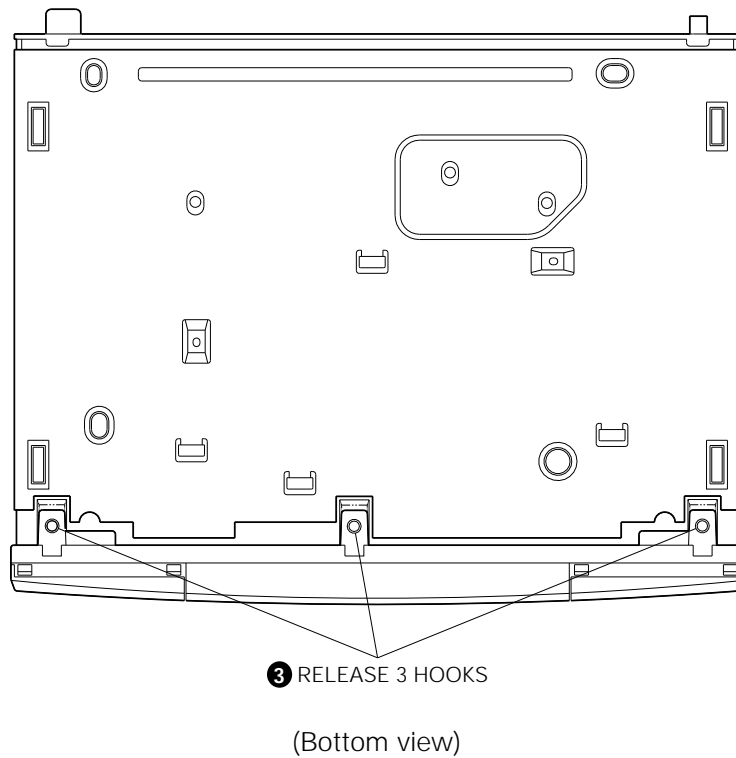
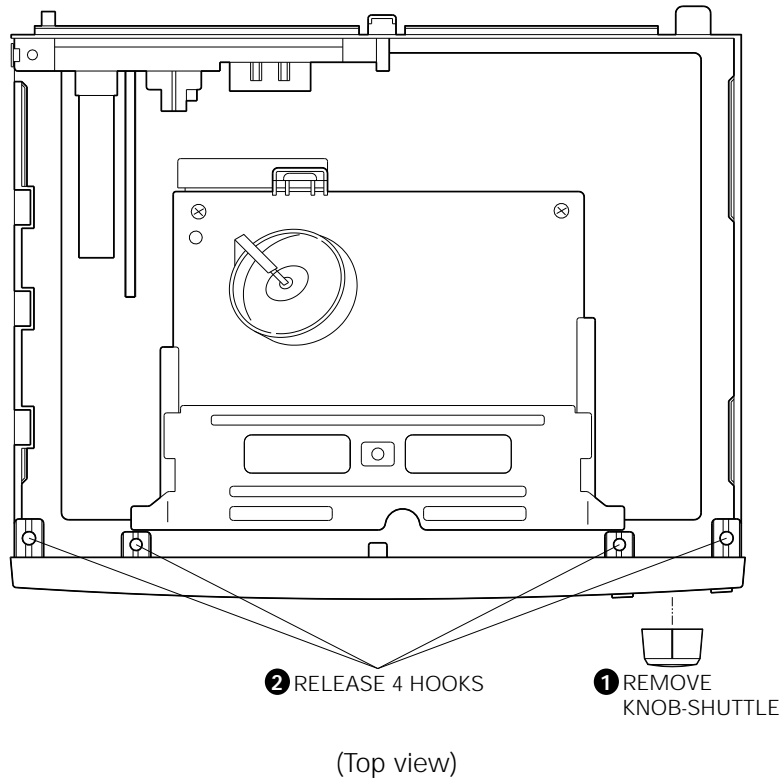


Fig. 4-3 Ass'y Front Panel removal

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

1. Release 5 hooks and remove the ass'y function-timer.

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

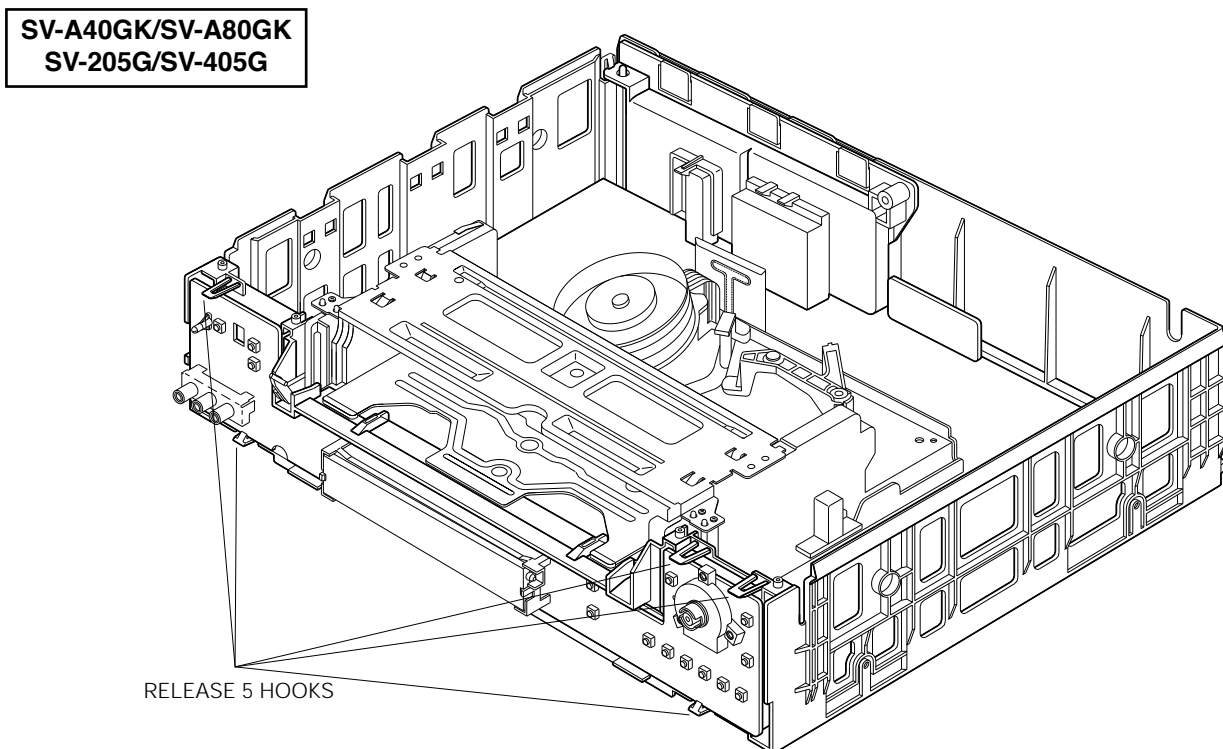
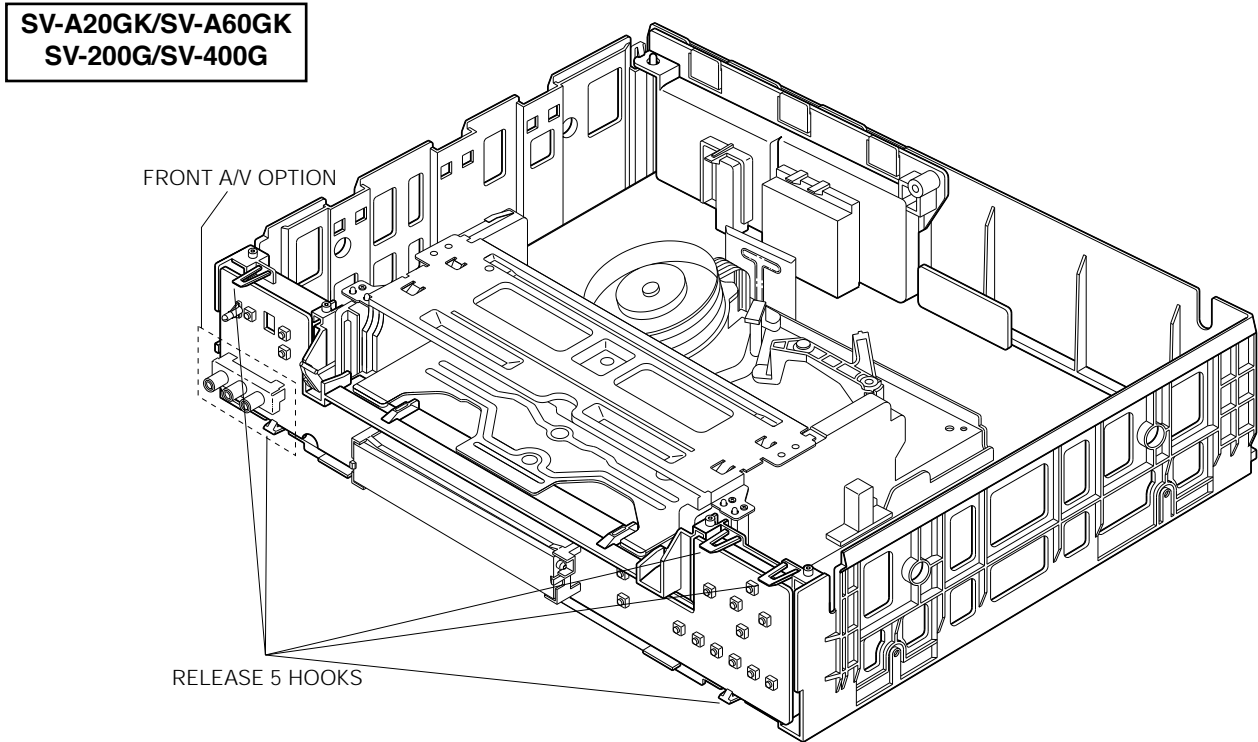


Fig. 4-4 Ass'y Function-Timer removal

4-1-5 Chassis removal

1. Remove 2 screws holding the bottom cover.
2. Remove 2 screws holding the frame.
3. Remove 2 screws holding the housing ass'y.
4. Remove 2 screws holding the ass'y full deck.
5. Lift the ass'y full deck up.
6. Release 1 tab holding the connector board ass'y.
7. Release 1 hook holding the ass'y main.
8. Lift the ass'y main up to remove.

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.

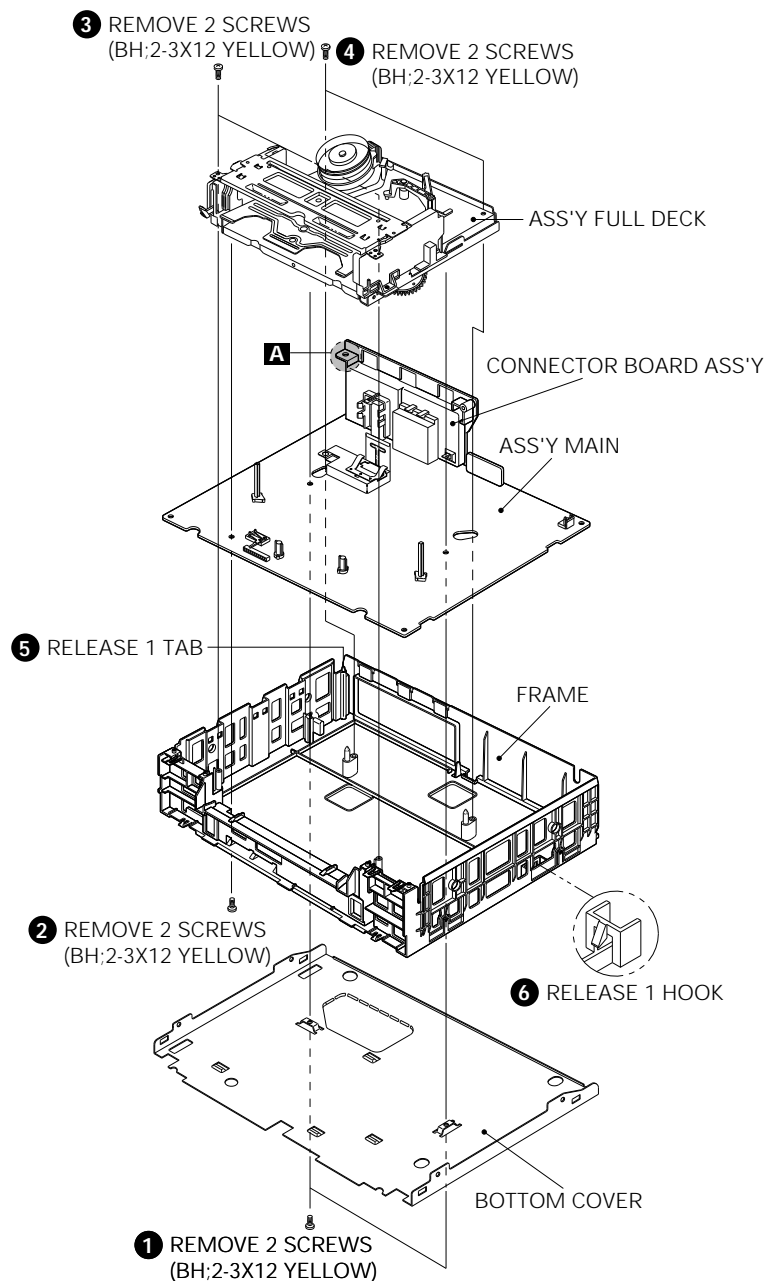


Fig. 4-5 Chassis Removal

4-2 Circuit Board Locations

SV-A20GK/SV-A60GK
SV-200G/SV-400G

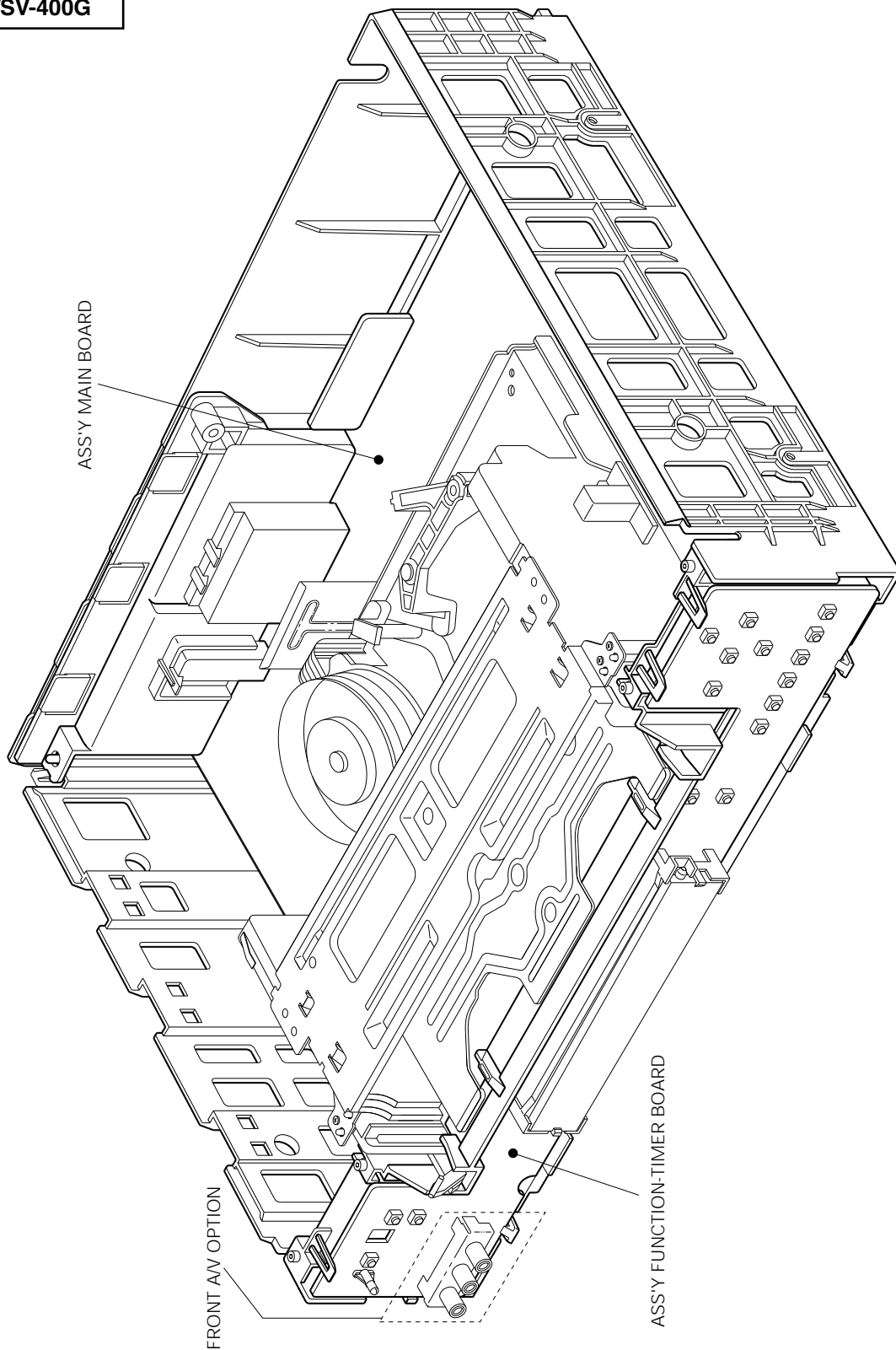


Fig. 4-6 Circuit Board Locations

SV-A40GK/SV-A80GK
SV-205G/SV-405G

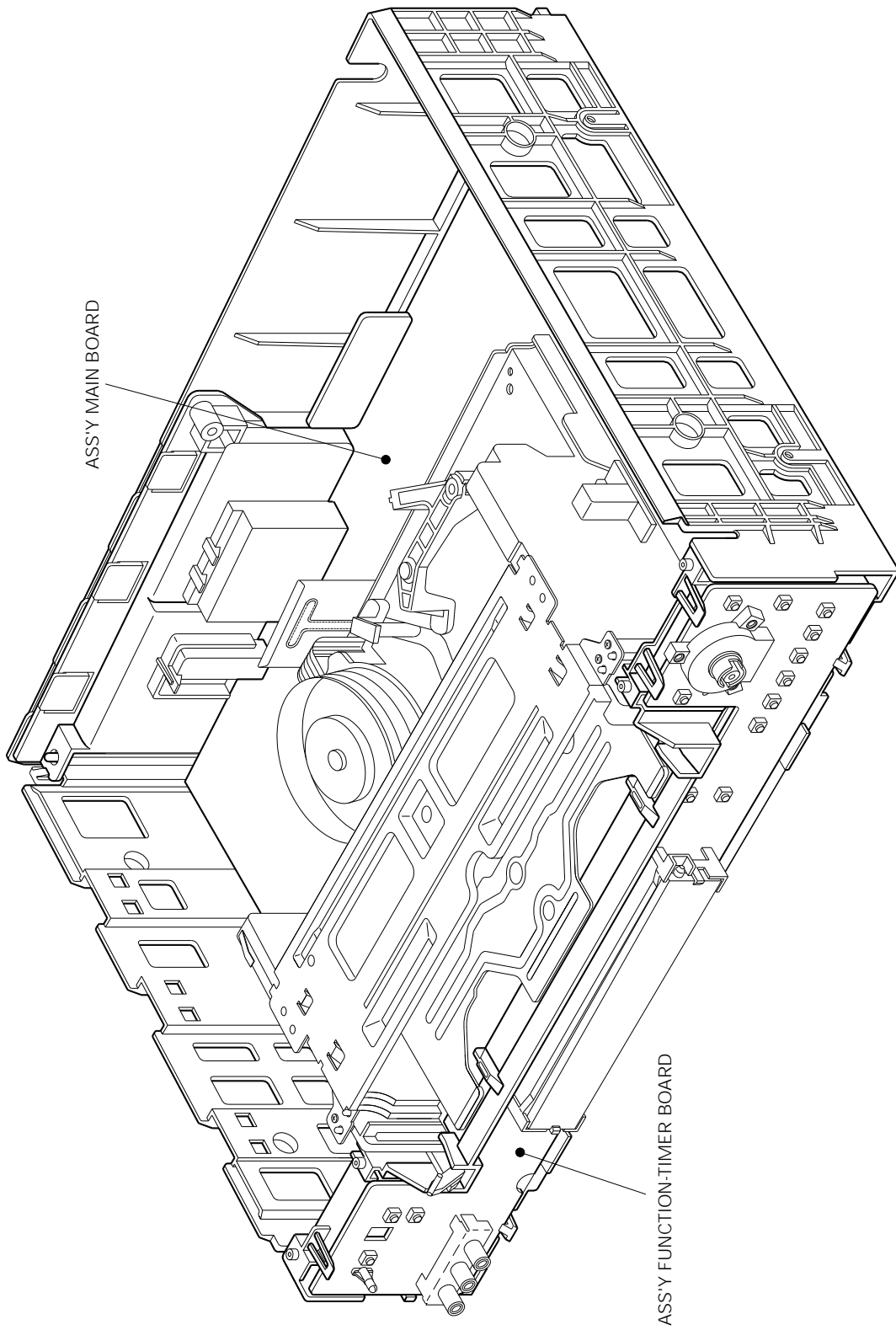


Fig. 4-6 Circuit Board Locations

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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.

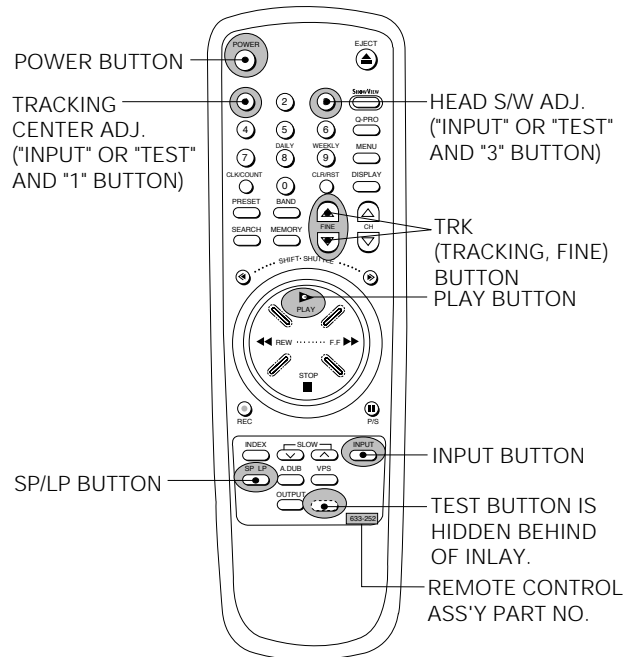


Fig. 5-1 Remote Control Ass'y Jig for X-5/X-6 Chassis (AC93-10039Y/69099-633-252)

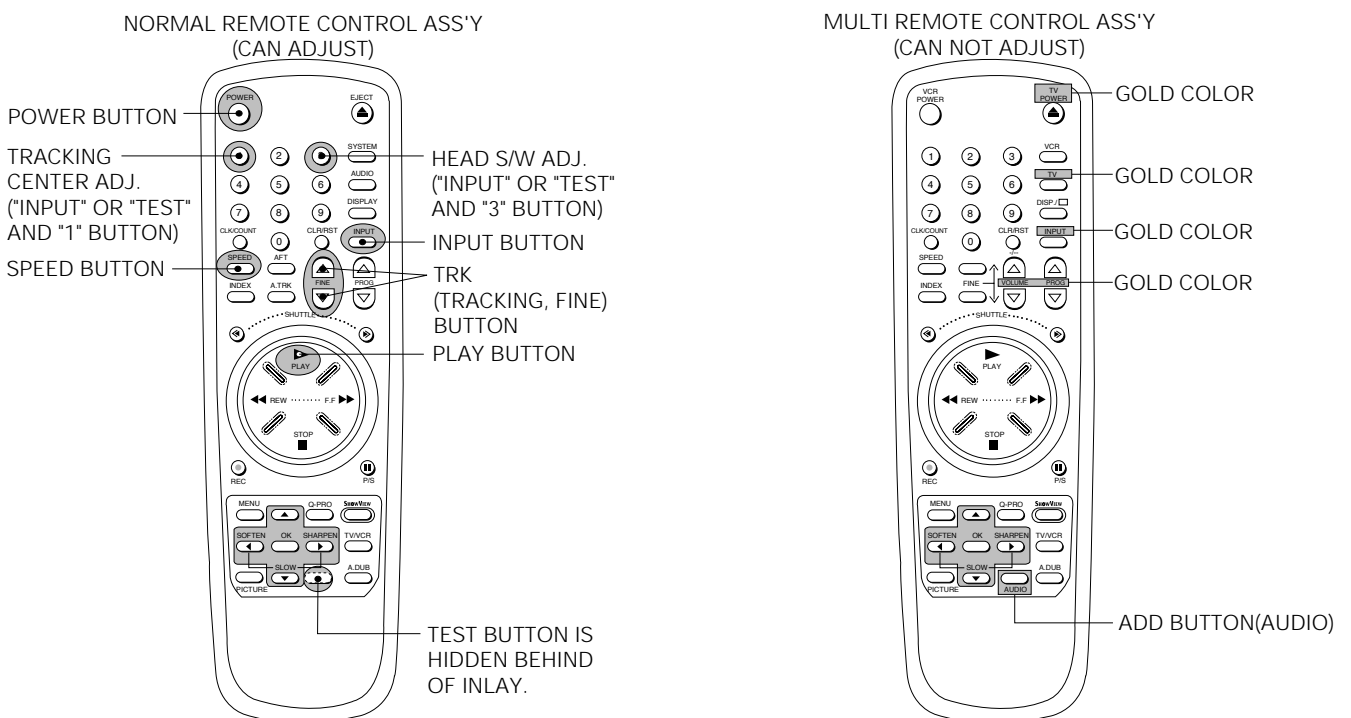


Fig. 5-2 Remote Control Ass'y for X-7/X-8 Chassis

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)

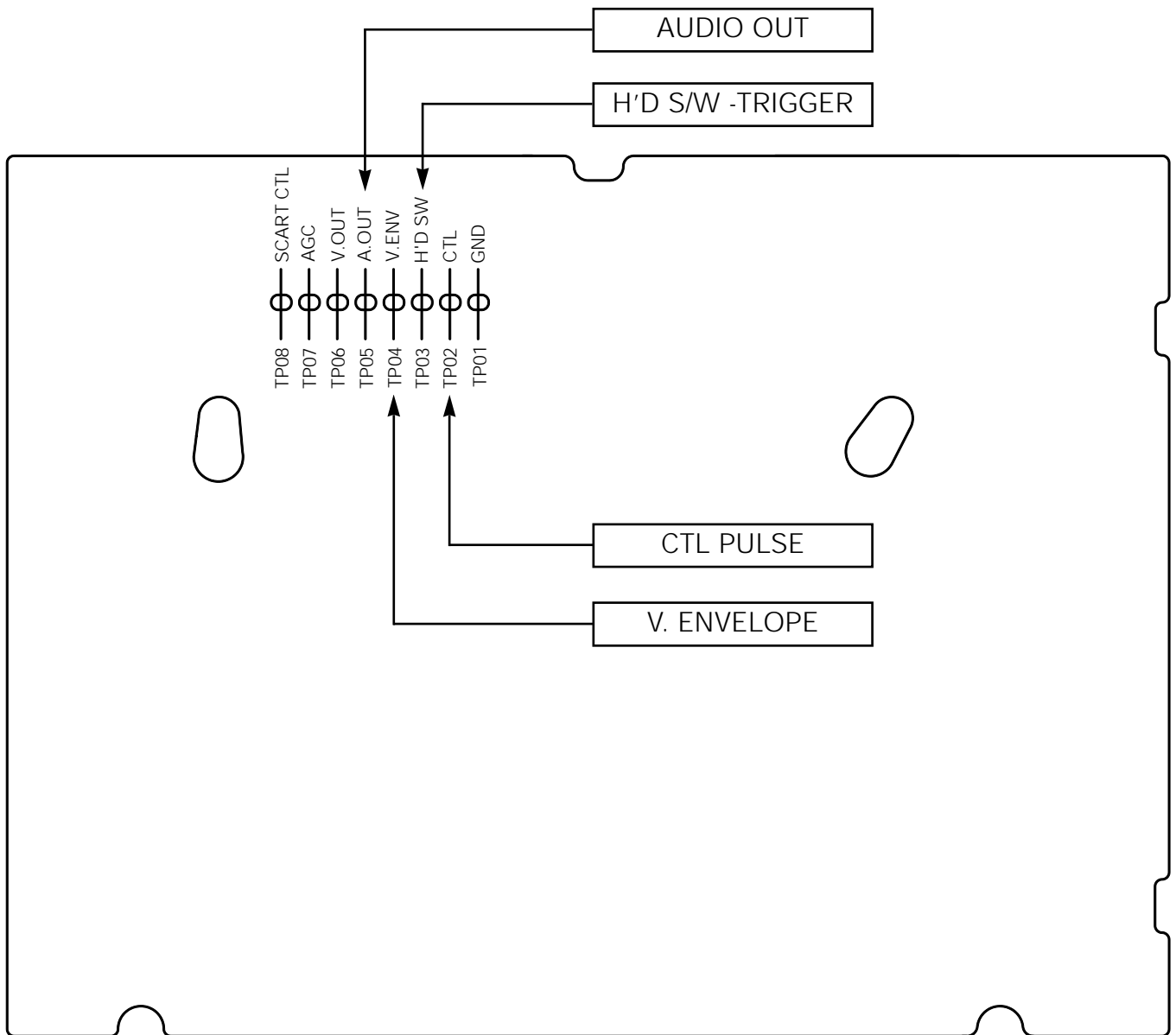


Fig. 5-3 The position of test point (Main PCB-Component side)

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

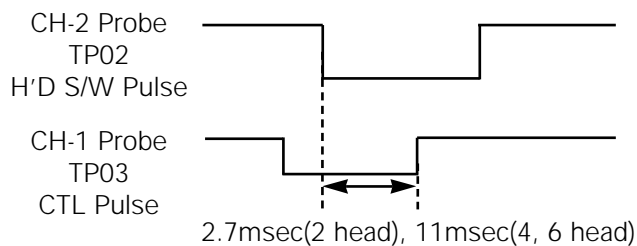


Fig. 5-4 Tracking preset adjustment

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

Fig. 5-5 Tracking preset adjustment

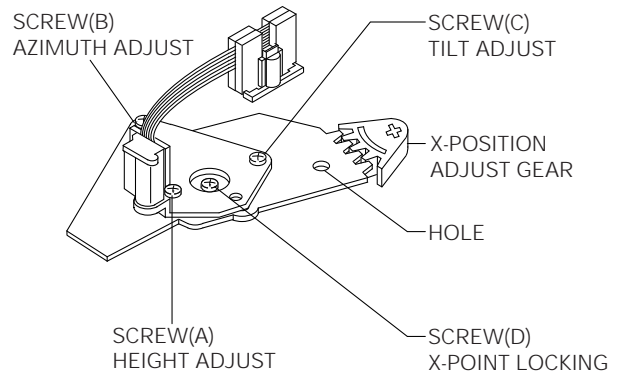


Fig. 5-6 Location of A/C Head adjustment screw

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 ;

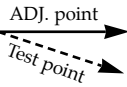
- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "INPUT" button and "3" button
simultaneously.
- 4) This will adjust the head S/W point adjustment
automatically.
- 5) After the adjustment is completed, press
"POWER" button to release.

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.

5-3-2 RF AGC Adjustment

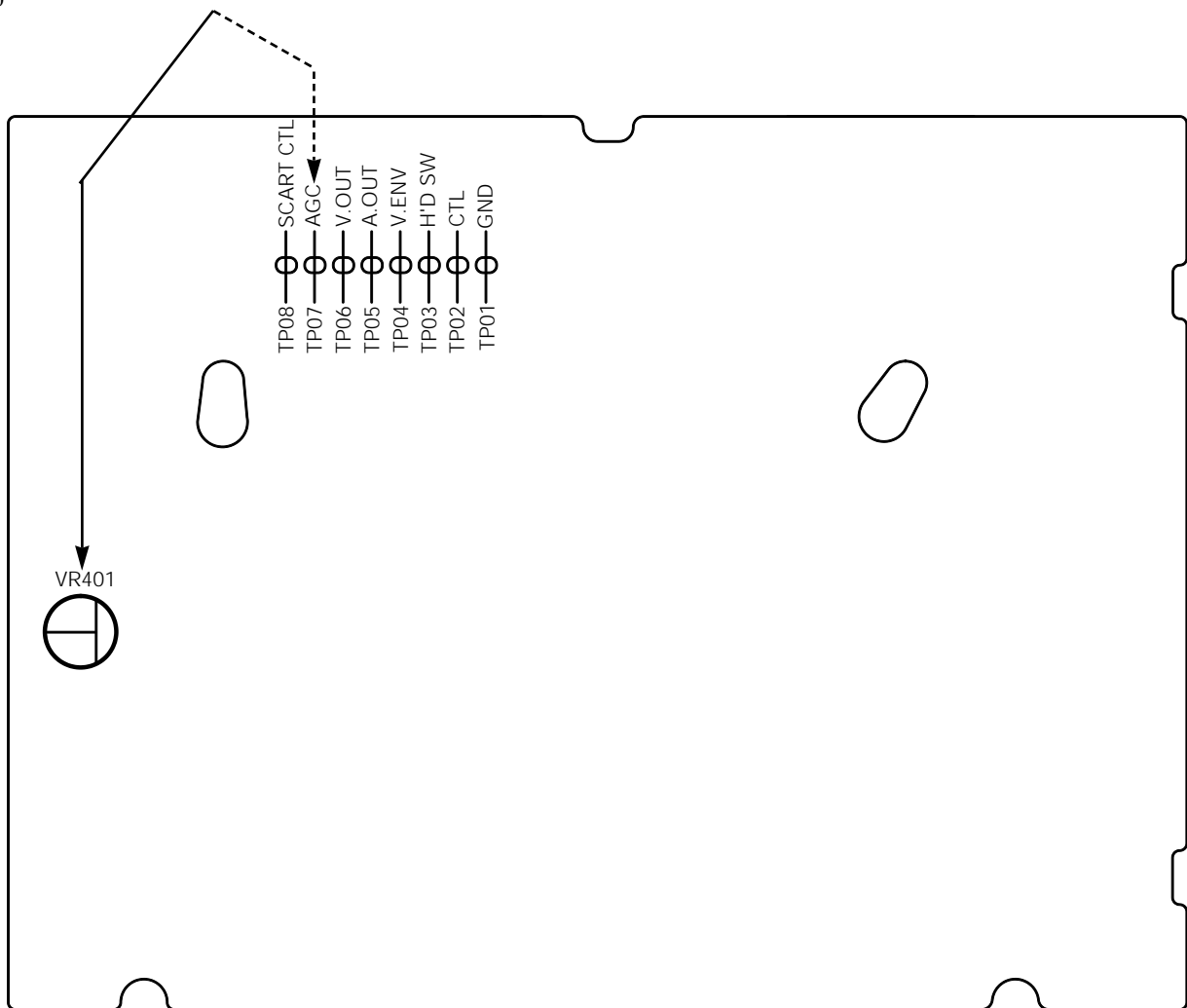
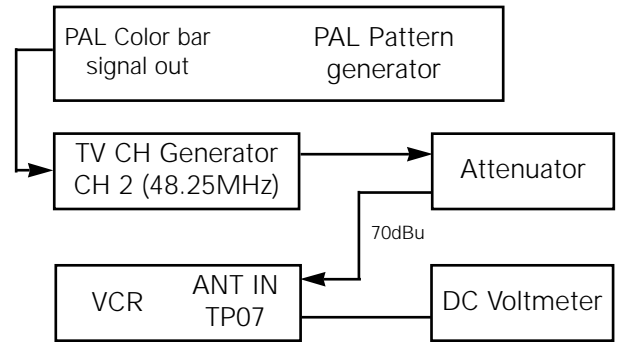
Step	Adjustment Item
1.	Mode and input signal/alignment tape
2.	Test point and ADJ. part
3.	Result and Remarks



5-3-2 (a) ADJUSTMENT PROCEDURES

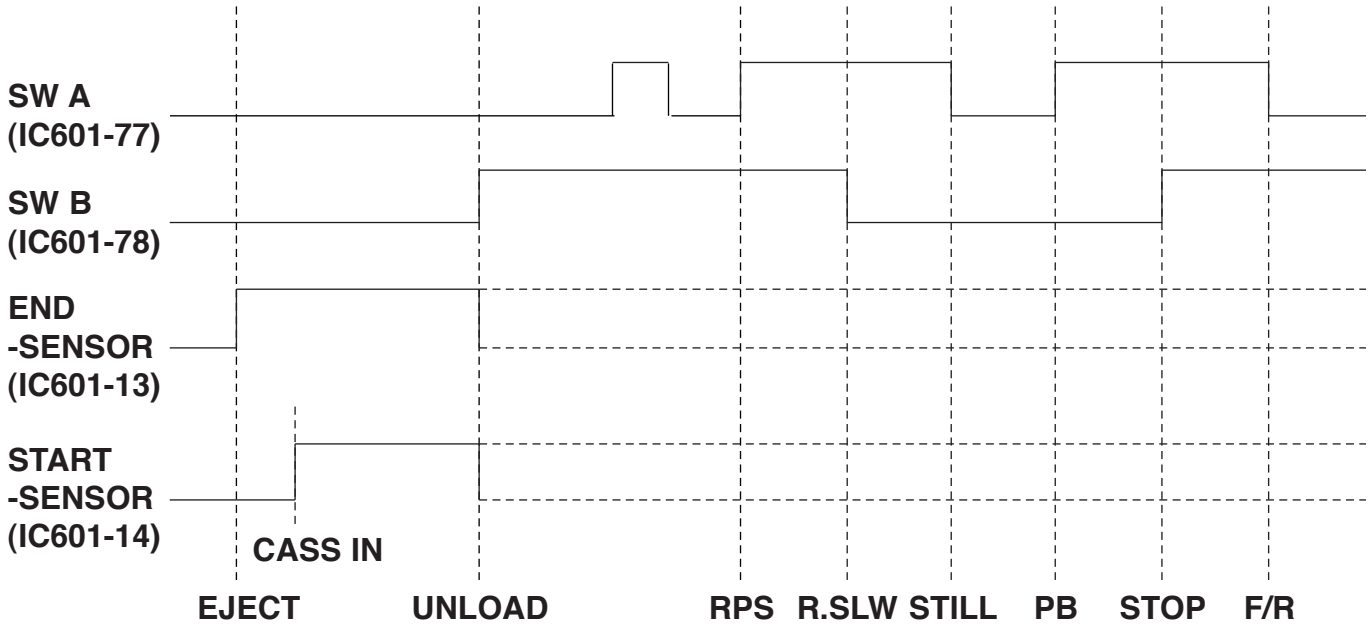
1. "E-E" (stop mode), RF signal.
2. TP07 and VR401.
3. Apply PAL color bar signal to the video input terminal of the TV channel generator and set channel selector to CH 2 (48.25MHz).
4. Adjust the point signal level so that the output of attenuator is 70dBu.
5. Apply the output of attenuator to the ANT IN terminal of VCR.
6. Set the channel of VCR to CH 2.
7. Connect DC voltmeter to TP07.
8. Adjust VR401 for DC $3.7 \pm 0.1V$.

* Composition for RF AGC adjustment



Main PCB (Component side)

5-4 Timing Chart of Program S/W



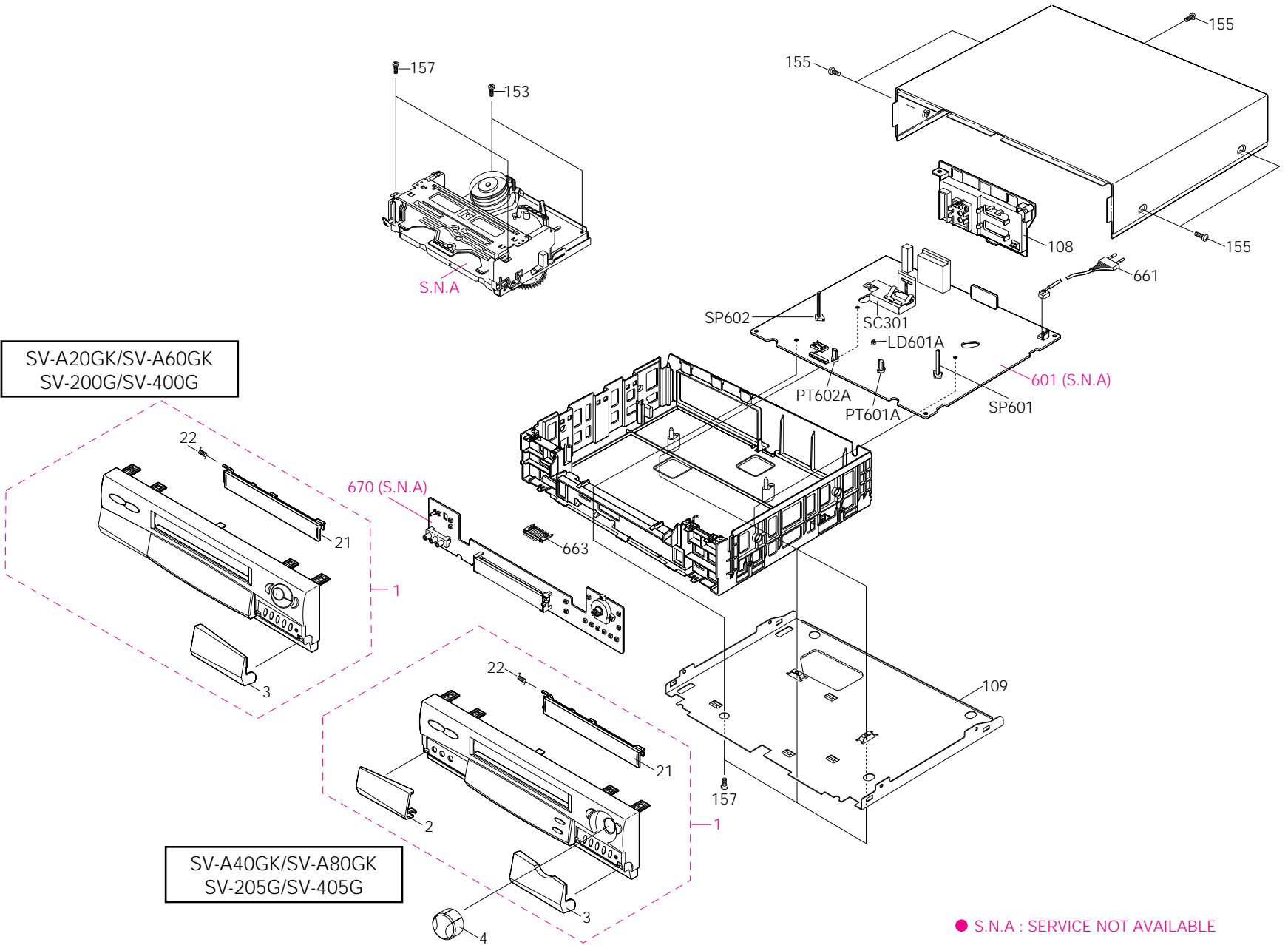
Position	Program S/W (SW601)				Action Mode
	E/S	S/S	SW A	SW B	
Eject	L	L	L	L	Eject
Cassette IN	H	L H	L	L	Cassette IN
Unload	-	-	L	L H	Unload
R. PS	-	-	L H	H	R. PS, Z-R. PS
R. Slow	-	-	H	H L	Pinch Roller off Position
Still	-	-	H L	L	Still, Slow, F-ADV
Play	-	-	L H	L	PB, T-Stop, REC, Pause, F. PS, Z-FPS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

MEMO

6. Exploded View and Parts List

	Page
6-1 Cabinet Assembly - - - - -	6-2
6-2 Mechanical Parts (Top Side) - - - - -	6-4
6-3 Mechanical Parts (Bottom Side) - - - - -	6-6
6-4 Housing Assembly - - - - -	6-8

6-1 Cabinet Assembly

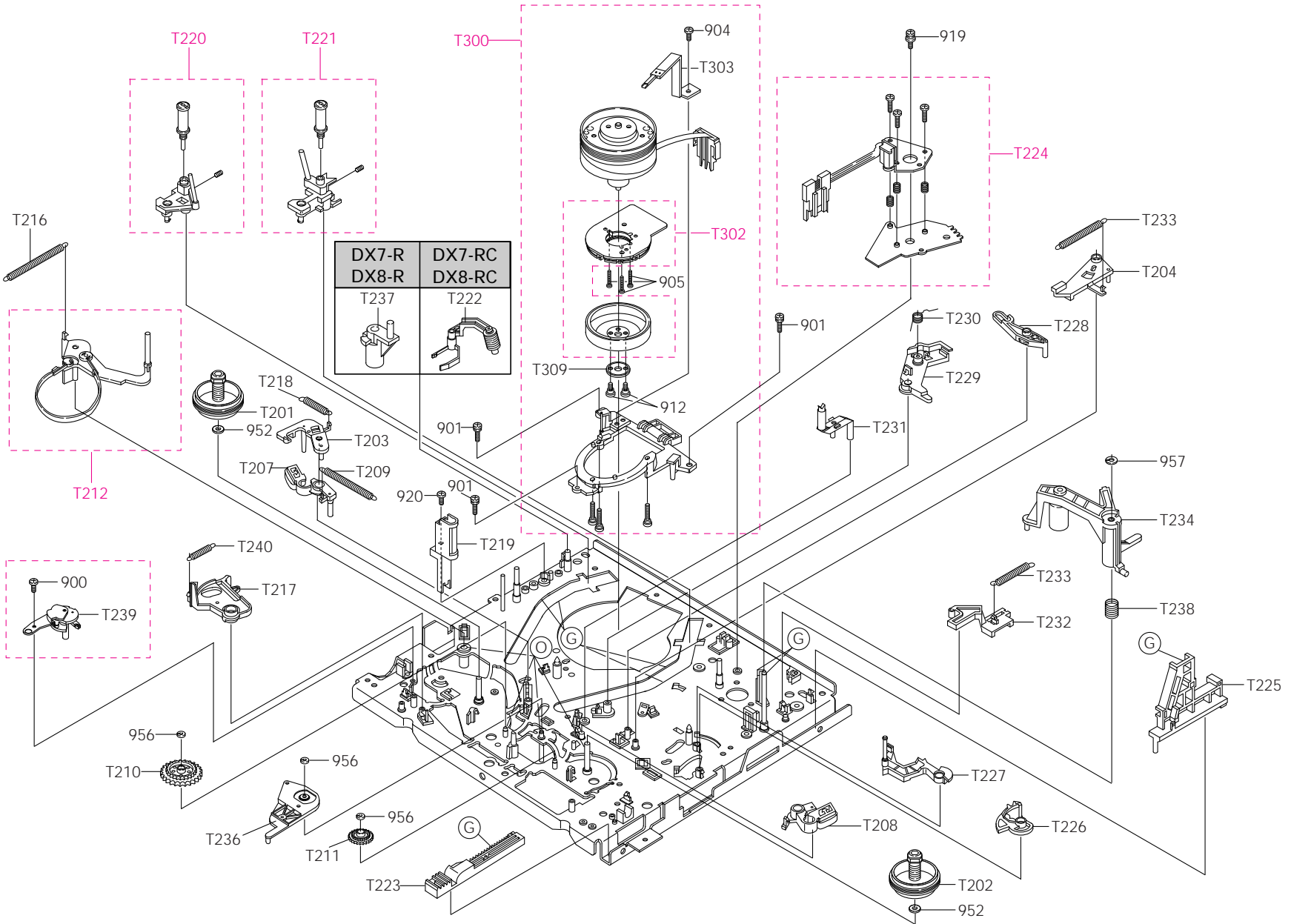


● S.N.A : SERVICE NOT AVAILABLE

Loc. No	Part No	Description and Specification	Remark
-	DO NOT ORDER	ASSY-FULL DECK (DX7-R)	S.N.A
1	AC98-11214B	ASSY-PANEL FRONT;SV-A20GK/SEH,SV-200G/SEH	SESA LOCAL
	AC98-11217G	ASSY-PANEL FRONT;SV-A20GK/POL,SV-200G/POL	SESA LOCAL
	AC98-11217J	ASSY-PANEL FRONT;SV-A40GK/SEH,SV-205G/SEH	SESA LOCAL
	AC98-11217F	ASSY-PANEL FRONT;SV-A40GK/POL,SV-205G/POL	SESA LOCAL
	AC98-11214C	ASSY-PANEL FRONT;SV-A60GK/SEH,SV-400G/SEH	SESA LOCAL
	AC98-11217E	ASSY-PANEL FRONT;SV-A60GK/POL,SV-400G/POL	SESA LOCAL
	AC98-11217H	ASSY-PANEL FRONT;SV-A80GK/SEH,SV-405G/SEH	SESA LOCAL
	AC98-11217D	ASSY-PANEL FRONT;SV-A80GK/POL,SV-405G/POL	SESA LOCAL
2	*****	DOOR-FRONT L	SESA LOCAL
3	*****	DOOR-FRONT R	SESA LOCAL
4	AC64-10856A	KNOB-SHUTTLE;SV-A40GK/A80GK/SV-205G/405G ONLY	SESA LOCAL
21	*****	DOOR-CASSETTE	SESA LOCAL
22	AC61-62003A	SPRING;- ,SUS304,(GE/RCA),-,-,-,-	SESA LOCAL
108	AC61-10972K	CONNECTOR BOARD-ASSY;SV-A70XK,HIPS94,HB,T2.5,L20	SME LOCAL
109	AC63-32126A	COVER-BOTTOM;SV-D140F,-	SESA LOCAL
153	AC60-12126A	SCREW-BH;- ,BH,- ,4*12,FE,FZY,-,-,-	
155	AC60-12134A	SCREW-TAP BH;- ,BH,- ,2-4X16,- ,FE	
157	AC60-10063A	SCREW-TAPTITE;BH,+ ,-,M3,L12,ZPC3,SWRCH18A	
601	DO NOT ORDER	ASSY-MAIN;	S.N.A
661	AC39-10019A	POWER CORD;KKP-419C,H03VVH2-F,VDE/KEMA-KE	SESA LOCAL
663	3711-002603	CONNECTOR-HEADER;NOWALL,20P,1R,1.5MM,STRAIGHT,SN	
670	DO NOT ORDER	ASSY-F/TIMER	S.N.A
LD601A	AC61-22345A	HOLDER-LED;POM,-,-,-,-,-	SME LOCAL
PT601A	AC61-22344A	HOLDER-PHOTO;POM,-,-,-,-,-	SME LOCAL
PT602A	AC61-22344A	HOLDER-PHOTO;POM,-,-,-,-,-	SME LOCAL
SC301	AC98-12023J	ASSY-SH/CASE TOP;SV-A140F,IS-PAL ASSY S/C TOP	SME LOCAL
SP601	AC61-22321A	HOLDER-TR;POM,-,-,-,-,-	SME LOCAL
SP602	AC61-22321A	HOLDER-TR;POM,-,-,-,-,-	SME LOCAL

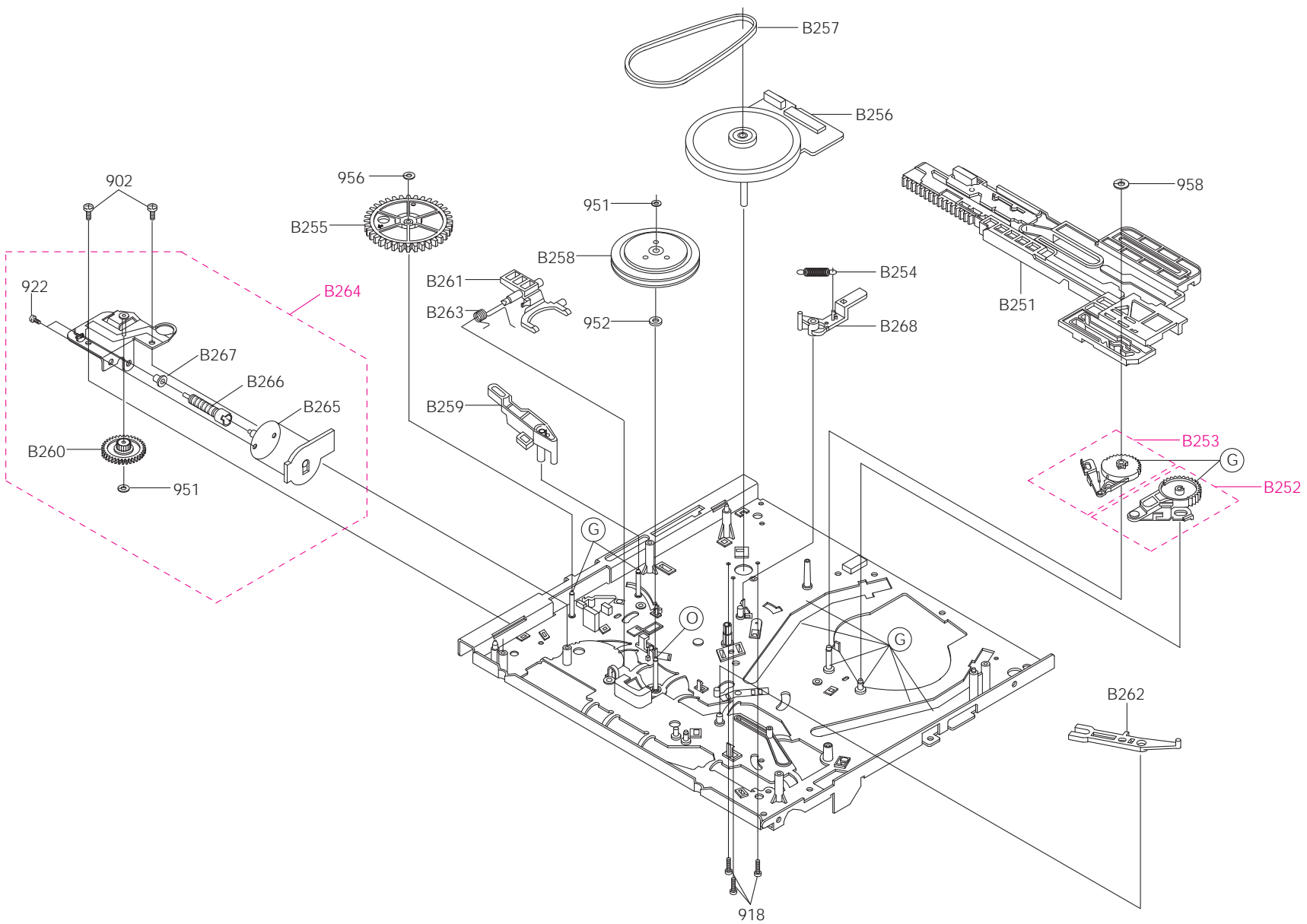
Note : The part numbers of location numbers 2, 3 and 21 will be informed separately later.

6-2 Mechanical Parts (Top Side)



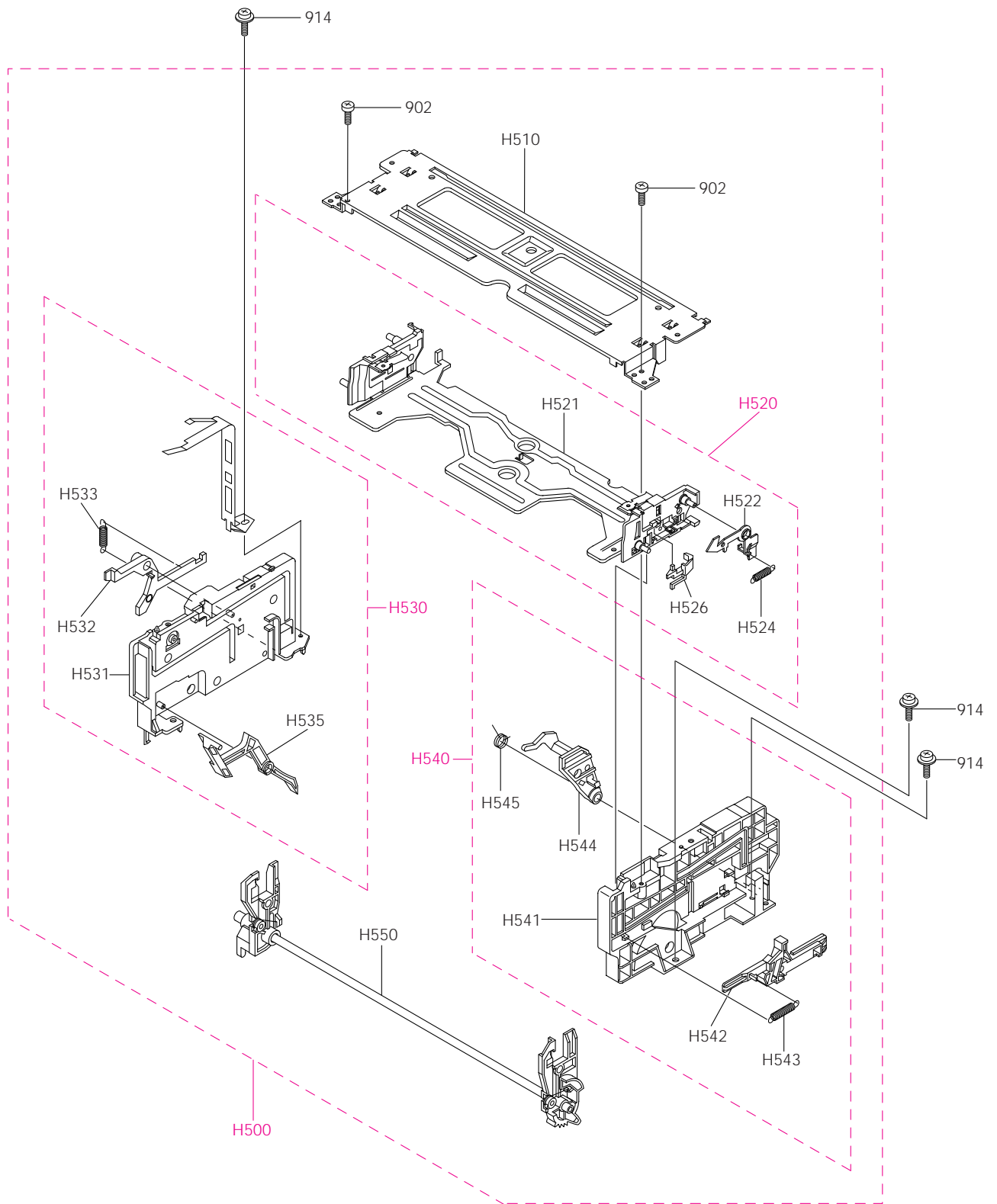
Loc. No	Part No	Description and Specification	Remark
900	AC60-12091A	SCREW-MACHINE;FP,BH,-,M3,L4,SWRCH10A,YEL ROB	
901	AC60-10012A	SCREW-MACHINE;BH,+ ,M3,L8,-,FE,-,-,-	
904	AC60-12125A	SCREW-PH;-,-,-,M3X6 TAP TITE,-,-,-,-,-	
905	AC60-12096A	SCREW-MACHINE;FP,PH,-,M2.6,X10,SWRCH1-A,YEL	
912	67094-604-710	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,SP,X5,-	
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	AC96-10011L	ASSY-CYLINDER;CX5-S2P/DLC,-	2 HEAD ONLY
	AC96-10474W	ASSY-CYLINDER;- ,CX5-D4P/F/DLC	4 HEAD ONLY
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	AC66-80001A	SILDER- MAIN;PBT2002K,T12.4,L206.2,NAT,DX-5	
B252	AC66-20019A	GEAR-LOADING L ASSY;-,-,-,PACKAGE,-,X-5,-	
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;5CM-70 FR,W2 T2 L88.6,-,-,-,-,	
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;X-5,-,-	
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;-X7FL26280A,230X130X60,-,X-7	
H510	AC61-10006A	CHASSIS- UPPER;SECC 20/20,-,T1.0,BLK,-,X5,-	
H520	AC61-20932B	HOLDER-CASSETTE ASSY;-X5FL06080A,-,-,-,X-7(CODO)	
H521	AC61-20922B	HOLDER-CASSETTE;-SECC T1.2,-,NAT,-,X-7(CODO)	
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	

MEMO

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)	L1S02	A1151-0042	COIL-LINE FILTER;BSF-2120Z 25MH 3.2OHHM	
SMPS/POWER PARTS				L1S05	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	SME LOCAL
C1P02	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM		L1S30	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	SME LOCAL
C1P03	2401-001954	C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5	SME LOCAL	L1S31	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	SME LOCAL
C1P04	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL	L1S32	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	SME LOCAL
C1P05	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL	L1S33	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	SME LOCAL
C1P06	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM		L1S34	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	SME LOCAL
C1P09	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL	PT1S01	AC26-20120C	TRANS-SWITCHING;-100/230V,UL/CSA,EE28*21*11,1	
C1P10	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	Q1P01	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,TP,160	SME LOCAL
C1S03	2305-001021	C-FILM,MPEF;100NF,20%,275V,TP,17.5X7X13.5,		Q1P02	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K-4.7K,TO	SME LOCAL
C1S04	2305-001021	C-FILM,MPEF;100NF,20%,275V,TP,17.5X7X13.5,		Q1P03	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,TP,160	SME LOCAL
C1S05	2201-000808	C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X7.5,7		Q1P04	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K-22K,TO-9	SME LOCAL
C1S06	2201-000934	C-CERAMIC,DISC;3.3NF,20%,400V,Y5P,TP,18X8,10		Q1P05	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L,TP	SME LOCAL
C1S08	2401-001957	C-AL;47.0UF,20%,400V,GP,TP,18X25,7,	SME LOCAL	Q1P06	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L,TP	SME LOCAL
C1S09	2201-000934	C-CERAMIC,DISC;3.3NF,20%,400V,Y5P,TP,18X8,10		Q1P07	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
C1S10	2201-000915	C-CERAMIC,DISC;100PF,10%,1KV,Y5P,TP,6X5,5	SME LOCAL	Q1S01	0502-001050	TR-POWER;2SC4517A,NPN,30W,TO-220,ST,10-	
C1S16	2201-000796	C-CERAMIC,DISC;10NF,10%,50V,Y5P,TP,6.5X3,5		Q1S02	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,TO-92,TP,1	
C1S20	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1/0.5MM,-,-	SME LOCAL	R1P02	2004-001096	R-METAL;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
C1S21	2401-000905	C-AL;22UF,20%,16V,BP,-,6X11,2.5MM		R1P03	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C1S22	2301-000361	C-FILM,PEF;1.2NF,10%,50V,TP,-,5MM		R1P04	2001-000611	R-CARBON;3.9KOHM,5%,1/4W,AA,TP,2.4X6.4M	
C1S23	2301-000442	C-FILM,PEF;4.7NF,10%,50V,TP,5.5X7X3MM,5MM		R1P05	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C1S30	2401-000385	C-AL;10UF,20%,100V,GP,-,6.3X11,2.5M	SME LOCAL	R1P06	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C1S31	2401-001134	C-AL;330UF,20%,35V,WT,TP,10X16,5MM	SME LOCAL	R1P07	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C1S32	2401-001998	C-AL;1000UF,20%,25V,GP,TP,10X20,5MM		R1P09	2004-000571	R-METAL;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
C1S33	2401-000306	C-AL;100UF,20%,25V,GP,TP,6.3X11MM,2		R1P10	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C1S34	2401-000118	C-AL;1000UF,20%,10V,GP,TP,10X12.5,5		R1S02	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1/0.5MM,-,-	SME LOCAL
C1S35	2401-000306	C-AL;100UF,20%,25V,GP,TP,6.3X11MM,2		R1S03	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
C1S36	2401-001583	C-AL;47UF,20%,50V,WT,TP,6.3X11,2.5M		R1S06	2006-000273	R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X27X6.4M	
C1S37	2401-001374	C-AL;470UF,20%,16V,WT,TP,10X12.5,2.	SME LOCAL	R1S07	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C1S38	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL	R1S11	2006-000262	R-CEMENT;2.7OHM,10%,2W,CB,ST,7.5X11X20.	SME LOCAL
C1S39	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM		R1S12	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
CN1S1	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96MM,STRAIGH	SME LOCAL	R1S13	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D1P01	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL	R1S14	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D1P02	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL	R1S15	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1/0.5MM,-,-	SME LOCAL
D1P03	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL	R1S16	2003-000264	R-METAL OXIDE;300OHM,5%,1W,AD,TP,4.3X12MM	
D1P06	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW	SME LOCAL	R1S19	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
D1P20	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL	R1S21	2003-000119	R-METAL OXIDE;0.68OHM,5%,2W,AE,TP,6X16MM	
D1S01	0402-0001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR		R1S30	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
D1S02	0402-0001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR		R1S31	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
D1S03	0402-0001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR		R1S32	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
D1S04	0402-0001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR		R1S33	2004-000869	R-METAL;3KOHM,1%,1/8W,AA,TP,1.8X3.2MM	
D1S05	0402-000378	DIODE-RECTIFIER;EGO1C,1000V,500MA,DO-41	SME LOCAL	R1S34	2004-000459	R-METAL;2.2KOHM,1%,1/8W,AA,TP,1.8X3.2MM	
D1S07	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41		R1S35	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1/0.5MM,-,-	SME LOCAL
D1S08	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW	SME LOCAL	VA1S01	1405-000186	VARIATOR;470V,4500A,17X12MM,TP	SME LOCAL
D1S30	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41		VA1S02	1405-000186	VARIATOR;470V,4500A,17X12MM,TP	SME LOCAL
D1S31	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41		ZD1P02	0403-000557	DIODE-ZENER;MTZ5.1C,5.1V,5.09-5.37V,500MW,	
D1S34	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41		ZD1S30	0403-000571	DIODE-ZENER;UZP43B,43V,40-46V,1W,DO-41,TP	
D1S35	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41		SYSTEM CONTROL/SERVO PARTS			
D1S41	0402-001069	DIODE-RECTIFIER;RL10Z,200V,2A,DO,TP		C601	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
D1S43	0402-001069	DIODE-RECTIFIER;RL10Z,200V,2A,DO,TP		C602	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
F1S01	A3065-0157	FUSE;FST 250V 1.6A 20MM SEMKO S505 C		C603	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
IC1P01	AC14-12001E	IC;KA7809,-,-	SME LOCAL	C604	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
IC1S2	B4161-0030	PHOTO-COUPLER;PS2561-1 ST DIP		C605	2203-001577	C-CERAMIC,CHIP MELF;150PF,10%,50V,Y5E,TP	SME LOCAL
IC1S3	AC14-12006D	IC;KA431Z,TO-92,TAPING	SME LOCAL	C606	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
L1S01	AC29-30050A	FILTER-LINE NOISE;-400UH,-,250V,-		C607	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL

Electrical Parts List

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
C608	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP	SME LOCAL	C654	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C609	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2012,2		C655	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C610	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2012,2		C660	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C6101	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-		C661	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C6102	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL	C663	2203-000979	C-CERAMIC,CHIP;47NF,10%,50V,X7R,TP,2012,-,TP	SME LOCAL
C6103	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	C681	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C6104	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	C682	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C6105	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C698	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C6106	2301-000392	C-FILM,PEF;15NF,5%,50V,TP,6.5X8.5X3.2MM,5		CN601	3710-000546	CONNECTOR-SOCKET;20P,1R,1.5MM,ANGLE,SN	
C6107	2203-000818	C-CERAMIC,CHIP;33PF,5%,50V,NPO,TP,2012,-		CN602	3711-002445	CONNECTOR-HEADER;BOX,2P,2R,1.5MM,STRAIGHT	SME LOCAL
C611	2203-000533	C-CERAMIC,CHIP;2.7NF,10%,50V,X7R,TP,2012,-	SME LOCAL	CN603	3711-003105	CONNECTOR-HEADER;BOX,10P,2R,2.0MM,STRAIGHT	SME LOCAL
C6114	2201-000799	C-CERAMIC,DISC;12PF,5%,50V,CH,TP,5X3,5		CN604	3711-002444	CONNECTOR-HEADER;BOX,6P,2R,2.0MM,STRAIGHT	SME LOCAL
C6116	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,2012,2MM		D601	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
C6117	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,2012,2MM		D602	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C6119	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL	D603	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C612	2203-001577	C-CERAMIC,CHIP MELF;150PF,10%,50V,Y5E,TP,2012	SME LOCAL	D604	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C6120	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL	D605	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
C6122	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7,5	SME LOCAL	D606	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C6123	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5		D607	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C6124	2401-001325	C-AL;470NF,20%,50V,GP,TP,3X5,5		D608	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C6126	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL	D609	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C613	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL	D610	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C614	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL	D6101	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C615	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	D6102	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C616	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2012	SME LOCAL	D6103	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C617	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2012	SME LOCAL	D6104	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C618	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL	D6105	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C619	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012	SME LOCAL	D6106	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C620	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012	SME LOCAL	D611	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C621	2203-000260	C-CERAMIC,CHIP;10NF;10%,50V,X7R,TP,2012,-	SME LOCAL	IC601	AC09-10452X	IC-MCU;HD6433977-RA10F,1024,8,H_ONECH	
C622	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-		IC602	AC14-12003K	IC;KA8301(N.M),-,	SME LOCAL
C623	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	IC603	1201-000230	IC-OP AMP;6324,DIP,14P,-,QUAD,15/100MV,P	
C624	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	IC604	AC14-12006C	IC;KA7533,DIP,-	SME LOCAL
C625	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	IC605	1103-001020	IC-EEPROM;24LC04,4KX8BIT,DIP,8P,300ML,-	
C626	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	J805	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
C627	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-		L601	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
C628	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-		L602	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
C629	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL	L603	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
C630	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL	L604	2701-000131	INDUCTOR-AXIAL;15UH,5%,2.4X3.4MM	SME LOCAL
C631	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL	L6101	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
C632	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL	L6103	2701-000117	INDUCTOR-AXIAL;10UH,5%,2.4X3.4MM	SME LOCAL
C633	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL	L620	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400	SME LOCAL
C634	2401-000208	C-AL;100NF,+80-20%,5.5V,GP,12.3MM,5		L621	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400	SME LOCAL
C635	2401-000199	C-AL;1000UF,20%,6.3V,GP,TP,10X12.5,		LD601	0601-000495	LED-IR;ROUND,3MM,150MW,6V,950NM,BK	SME LOCAL
C636	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5		PT601	0604-000188	PHOTO-INTERRUPTER;TR,-,-,DIP-4,TR	SME LOCAL
C637	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5		PT602	0604-000188	PHOTO-INTERRUPTER;TR,-,-,DIP-4,TR	SME LOCAL
C638	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM		Q601	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
C639	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL	Q602	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
C640	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5		Q603	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
C641	2401-000753	C-AL;220NF,20%,50V,GP,TP,3X5,5		Q604	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-	SME LOCAL
C642	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL	Q605	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
C643	2401-001036	C-AL;33UF,20%,16V,GP,TP,6.3X5,5	SME LOCAL	Q606	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
C644	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X5 10UF	SME LOCAL	Q607	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,TO	SME LOCAL
C645	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM		Q608	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
C646	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL	Q609	AC14-12001G	IC;KA78L05,T,-	
C647	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	Q6101	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
C650	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	Q6102	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
C651	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL	Q6106	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
C652	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL	Q6108	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
C653	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL	R601	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
R602	2007-000804	R-CHIP;36KOHM,5%,1/10W,DA,TP,2012	SME LOCAL	R641	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R604	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R644	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R606	2001-000568	R-CARBON;270HM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R648	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R607	2007-001587	R-CHIP,MELF;1KOHM,5%,1/8W,DB,TP,2012	SME LOCAL	R649	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R608	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R651	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R610	2004-000218	R-METAL;10KOHM,1%,1/8W,AA,TP,1.8X3.2MM		R652	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6100	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL	R653	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R6101	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R654	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R6102	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R655	2007-001557	R-CHIP,MELF;270HM,5%,1/8W,DB,BK,2012	SME LOCAL
R6103	2007-001623	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R656	2001-000605	R-CARBON;3.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R6104	2001-000773	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2M		R657	2007-001596	R-CHIP,MELF;16KOHM,5%,1/8W,DB,BK,2012	
R6105	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R658	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6106	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R659	2007-001596	R-CHIP,MELF;16KOHM,5%,1/8W,DB,BK,2012	
R6107	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R660	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6109	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL	R661	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6110	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R662	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6111	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R663	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6112	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R664	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6113	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R665	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R6114	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL	R666	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6115	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R667	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6116	2007-001666	R-CHIP,MELF;91KOHM,5%,1/8W,DB,BK,2012		R668	2007-001557	R-CHIP,MELF;270HM,5%,1/8W,DB,BK,2012	SME LOCAL
R6117	2001-000850	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2M		R669	2007-001623	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6119	2007-001486	R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012		R670	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R612	2004-000218	R-METAL;10KOHM,1%,1/8W,AA,TP,1.8X3.2MM		R671	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6120	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R672	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6121	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R673	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6122	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R674	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6123	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R675	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6124	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R676	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6125	2007-001540	R-CHIP,MELF;30KOHM,5%,1/8W,DB,BK,2012		R677	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6129	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R678	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6131	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R679	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6132	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R681	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6133	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R682	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6134	2007-001486	R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012		R683	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R614	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R684	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R615	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R685	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R616	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R686	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R617	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R687	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R618	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R688	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R619	2007-001557	R-CHIP,MELF;270HM,5%,1/8W,DB,BK,2012	SME LOCAL	R689	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R620	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R690	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R621	61048-177-563	R-CARBON;RD 1/8 T 563-J		R691	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R624	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R692	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R625	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R693	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R626	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R694	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R627	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R695	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R628	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R696	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R629	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R697	2003-000259	R-METAL OXIDE;3.9OHM,5%,2W,AE,TP,6X16MM	SME LOCAL
R630	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R698	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R631	2007-001591	R-CHIP,MELF;18KOHM,5%,1/8W,DB,BK,2012		RS601	3409-000176	SWITCH-DETECTOR;30VDC,100MA,SPST,-,-	
R632	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	S601	0603-000112	PHOTO-TR;NPN,35V,6V,50MA,75MW,-	SME LOCAL
R633	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M		S602	0603-000112	PHOTO-TR;NPN,35V,6V,50MA,75MW,-	SME LOCAL
R634	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	SW601	AC34-22001E	SWITCH-PROGRAM;MXS00281MLB0,-,-,-,-,-,-,-,-	SME LOCAL
R635	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	W144	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R636	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	XT601	2801-003293	CRYSTAL-UNIT;10MHZ,50PPM,28-AAA,16PF,500HM,	
R637	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	XT602	64539-021-009	CRYSTAL;32.768KHZ	SME LOCAL
R638	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	XT6102	2801-003311	CRYSTAL-UNIT;17.734475MHZ,50PPM,28-AAA,16PF	
R640	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL				

Electrical Parts List

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
AUDIO/VIDEO PARTS				C367	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
C305	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C368	2203-000979	C-CERAMIC,CHIP;47NF,10%,50V,X7R,2012,-,TP	SME LOCAL
C306	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C369	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C307	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C370	B1102-0113	C-FILM:CQ 922 P 100V 473-J CQ298PVT473J J	SME LOCAL
C308	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C371	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C309	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C373	2301-000439	C-FILM,PEF;3NF,5%,50V,TP,5.5X7X3MM,5MM	
C310	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C374	2202-000781	C-CERAMIC,MLC-AXIAL;100PF,10%,50V,Y5P,TP,3.5X19,-	SME LOCAL
C311	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C380	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C312	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A01	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL
C313	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A02	2301-000392	C-FILM,PEF;15NF,5%,50V,TP (AUDIO DUB. OPT.)	
C314	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL	B1102-0113	C-FILM:CQ922 P 100V 473-J (NO AUDIO DUB. OPT.)		
C315	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL	C3A03	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C316	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A04	2301-000299	C-FILM,PEF;6.8NF,5%,100V,TP,5.8X12.5MM,5M	
C317	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL	C3A05	2301-000161	C-FILM,PEF;12NF,5%,50V (AUDIO DUB. OPT.)	
C318	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	2301-000264	C-FILM,PEF;4.7NF,5%,50V (NO AUDIO DUB. OPT.)		
C319	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	C3A06	2301-000408	C-FILM,PEF;2.7NF,5%,50V,TP,5.5X7X3MM,5MM	
C320	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A07	2301-000402	C-FILM,PEF;1NF,5%,50V,TP,5X7X2.8MM,5MM	
C321	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A08	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5	SME LOCAL
C322	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A09	2401-003122	C-AL;4.7UF,20%,50V,LL,TP,4X7,1.5	
C323	2203-001592	C-CERAMIC,CHIP;1NF,5%,50V,X7R,TP,2012,2MM		C3A10	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C324	B1102-0113	C-FILM:CQ 922 P 100V 473-J CQ298PVT473J	SME LOCAL	C3A11	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C325	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A12	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C326	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	C3A14	2203-001105	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,2012,-	SME LOCAL
C327	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A15	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C328	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	C3A16	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C329	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	C3A18	2202-000855	C-CERAMIC,MLC-AXIAL;6.8NF,30%,16V,Y5R,TP,3.5X1.9	
C330	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	C3A19	2202-000856	C-CERAMIC,MLC-AXIAL;8.2NF,30%,16V,Y5R,TP,3.5X1.9	SME LOCAL
C331	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL	C3A20	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C332	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-		C3A21	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C333	2203-000840	C-CERAMIC,CHIP;390PF,5%,50V,NPO,TP,2012,-	SME LOCAL	C3A22	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C335	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	C3A23	2401-001169	C-AL;33UF,20%,16V,GP,-,6.3X7,2.5MM	SME LOCAL
C336	2203-001606	C-CERAMIC,CHIP MELF;220PF,10%,50V,Y5P,TP,2012	SME LOCAL	C3A24	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C337	2203-000540	C-CERAMIC,CHIP;200PF,5%,50V,NPO,TP,2012,-	SME LOCAL	C3A25	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C338	2203-001589	C-CERAMIC,CHIP MELF;18PF,5%,50V,SL,TP,2012,2MM	SME LOCAL	C3A26	2401-001975	C-AL;4.7UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C339	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL	C3A27	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM	SME LOCAL
C340	2401-001965	C-AL;470NF,20%,50V,-,BK,4X7MM,1.5MM		C3A28	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
C341	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5	SME LOCAL	C3A29	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C342	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL	C3A30	2301-000392	C-FILM,PEF;15NF,5%,50V,TP,6.5X8.5X3.2MM,5	
C343	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL	C3S05	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
C344	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL	C3S07	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C345	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL	C511	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL
C346	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL	C531	2401-002183	C-AL;220UF,20%,16V,GP,TP,8X9,5MM	
C347	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL	C532	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
C348	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL	C5D01	B1102-0113	C-FILM:CQ 922 P 100V 473-J (AUDIO DUB. OPT.)	SME LOCAL
C349	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL	C5D02	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5 (AUDIO DUB. OPT.)	SME LOCAL
C350	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	C5D03	2203-002188	C-CERAMIC,CHIP;10NF,+80-20% (AUDIO DUB. OPT.)	SME LOCAL
C351	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL	C5D04	2301-000264	C-FILM,PEF;4.7NF,5%,50V,TP (AUDIO DUB. OPT.)	
C352	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL	C5D05	2301-000383	C-FILM,PEF;10NF,5%,50V,TP (AUDIO DUB. OPT.)	
C353	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	CN301	3708-000395	CONNECTOR-FPC/FC/PIC;8P,1.25MM,STRAIGHT,SN	
C355	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	CN3A01	3708-001053	CONNECTOR-FPC/FC/PIC;7P,1.25MM,STRAIGHT,SN	
C356	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	CN3A02	3711-000371	CONNECTOR-HEADER;-2P,1R,2MM,STRAIGHT,-	SME LOCAL
C357	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL	D301	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
C358	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL	FL3A01	AC27-80100A	COIL-OSC;126QN-K5272YHC-K,-,AM	
C359	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL	FL5D01	AC27-82001C	COIL-BIAS OSC;802,W(TOKO) (AUDIO DUB. OPT.)	
C360	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL	IC301	1204-001057	IC-SIGNAL PROCESSOR;SS11511M,QFP,80P,-	
C361	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL	IC302	AC14-12013F	IC-LINEAR;LA7416,DIP,BULK	SME LOCAL
C362	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL	IC303	1209-001023	IC-DELAY LINE;SS23377M,SOP;14P,225MIL,PLASTI	
C363	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-		L301	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
C364	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL	L303	2701-000206	INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM	SME LOCAL
C366	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	L304	2701-000206	INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM	SME LOCAL

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
L308	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL	R341	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
L3A02	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL	R350	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
L3A03	2702-000120	INDUCTOR-RADIAL;15MH,5%,6.2X7.4MM	SME LOCAL	R351	2007-001616	R-CHIP,MELF;120KOHM,5%,1/8W,DB,BK,2012	
L3A04	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL	R399	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
L501	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL	R3A02	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
L503	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL	R3A03	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
L5D01	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K (AUDIO DUB. OPT.)	SME LOCAL	R3A04	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W (AUDIO DUB. OPT.)	SME LOCAL
Q302	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL	R3A05	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA (NO AUDIO DUB. OPT.)	
Q303	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL	R3A05	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
Q304	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL	R3A06	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
Q306	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL	R3A07	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2MM	
Q307	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL	R3A08	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
Q308	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL	R3A09	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
Q309	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL	R3A10	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
Q310	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL	R3A11	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
Q312	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL	R3A12	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
Q3A01	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL	R3A13	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
Q3A02	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL	R3A14	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
Q3A03	0501-000010	TR-SMALL SIGNAL;KSC1008-Y,NPN,80V,60V,700MA,80	SME LOCAL	R3A15	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
Q3A04	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL	R3A16	2007-001641	R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012	SME LOCAL
Q3A05	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL	R3A17	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
Q3A06	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL	R3A19	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
Q5D01	0501-000010	TR-SMALL SIGNAL;KSC1008-Y,NPN(AUDIO DUB. OPT.)	SME LOCAL	R3A20	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
Q5D02	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW (AUDIO DUB. OPT.)	SME LOCAL	R3A21	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
Q5D03	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW (AUDIO DUB. OPT.)	SME LOCAL	R3A22	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R301	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM		R3A23	2007-001484	R-CHIP,MELF;6.2KOHM,5%,1/8W,DB,BK,2012	
R302	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM		R3A24	2001-000454	R-CARBON;2.2MOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R303	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R3A25	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R304	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R3A26	2007-001448	R-CHIP,MELF;9.1KOHM,5%,1/8W,DB,BK,2012	
R305	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R3A27	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R306	61048-177-563	R-CARBON;RD 1/8 T 563-J		R3A28	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R307	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R3A29	2007-001580	R-CHIP,MELF;2.4KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R309	2007-001553	R-CHIP,MELF;2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R3A30	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R310	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R3A31	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R311	2007-001454	R-CHIP,MELF;820OHM,5%,1/8W,DB,BK,2012	SME LOCAL	R3A32	2001-000904	R-CARBON;620OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R312	2007-001553	R-CHIP,MELF;2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R5D01	2001-000793	R-CARBON;470OHM,5%,1/8W,AA (AUDIO DUB. OPT.)	SME LOCAL
R313	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	R5D02	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA (AUDIO DUB. OPT.)	SME LOCAL
R314	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL	R5D03	2001-000745	R-CARBON;4.7OHM,5%,1/8W,AA (AUDIO DUB. OPT.)	SME LOCAL
R315	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	XT301	B1280-0169	CRYSTAL;4.433619MHZ HC-49C-U/S 15PPM SERIES	SME LOCAL
R316	2007-001458	R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	IF PARTS			
R317	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C401	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
R318	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C402	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
R319	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL	C404	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
R320	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C409	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
R321	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL	C410	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
R322	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C411	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5.5MM	SME LOCAL
R323	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C412	2203-001589	C-CERAMIC,CHIP MELF;18PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
R324	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C414	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
R325	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	SME LOCAL	C415	2301-000415	C-FILM,PEF;22NF,5%,50V,TP,6.5X10.5X4MM,5M	SME LOCAL
R327	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C416	2401-002180	C-AL;2.2UF,20%,50V,GP,TP,5X11,5MM	SME LOCAL
R328	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C417	2202-000205	C-CERAMIC,MLC-AXIAL;22PF,5%,50V,SL,1.9X3.5,-,TP	SME LOCAL
R329	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C418	2201-000837	C-CERAMIC,DISC;39PF,5%,50V,CH,TP,5X3,5	SME LOCAL
R331	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C419	2401-001954	C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5	SME LOCAL
R332	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C421	2202-000787	C-CERAMIC,MLC-AXIAL;10PF,5%,50V,Y5P,TP,3.5X19,-	SME LOCAL
R333	2007-001458	R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C423	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
R335	2007-001616	R-CHIP,MELF;120KOHM,5%,1/8W,DB,BK,2012		C425	2401-002180	C-AL;2.2UF,20%,50V,GP,TP,5X11,5MM	SME LOCAL
R337	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C426	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,-	SME LOCAL
R338	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C427	2401-001975	C-AL;4.7UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
R339	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C428	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
R340	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C429	2201-000796	C-CERAMIC,DISC;10NF,10%,50V,Y5P,TP,6.5X3,5	

Electrical Parts List

Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
C4A1	2401-000475	C-AL;10UF,20%,50V,GP,-,5X11,2MM		R4A9	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
C4A2	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL	R4B1	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
C4A4	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL	R4B2	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
C4A5	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL	TL401	AC26-12001A	TRANS-DET;9MM,0UH,BLK,8PF,77.9MHZ,M7T1,S	
C4A6	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL	U401	AC40-30070P	TM-BLOCK;TCRK9600VD04A,PAL-G/K(HYPER),1	
C4A7	2401-001364	C-AL;470UF,20%,16V,GP,TP,10X12MM,5M		VR401	2103-000307	VR-SEMI;22KOHM,30%,1/10W,TP	SME LOCAL
C4A8	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL	VPS PARTS			
C4A9	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL	C6P01	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
D410	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL	C6P02	2202-000791	C-CERAMIC,MLC-AXIAL;150PF,10%,50V,Y5P,TP,3.5X19,	SME LOCAL
FL401	2904-000268	FILTER-SAW AV;38.9MHZ,SIP5P,ST,17.6DB,PAL-D/		C6P03	2401-001074	C-AL;330NF,20%,50V,GP,TP,4X5,2.5MM	SME LOCAL
FL403	2903-000193	FILTER-CERAMIC;BR,6.0MHz		C6P05	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
FL404	2903-000185	FILTER-CERAMIC;BP,5.5MHZ,+75KHZ,6DB,-,TP	SME LOCAL	C6P06	2203-000802	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,2012,-,TP	
FL406	B1243-0045	FILTER-CERAMIC;SP 6.5M SFE6.5MB TAPG		C6P07	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
FL407	2903-000178	FILTER-CERAMIC;BP,5.5MHZ,-,-,-,TP,-	SME LOCAL	IC6P01	1204-000332	IC-DECODER;SDA5649,DIP,14P,300MIL,PLASTIC	SME LOCAL
FL409	2903-000199	FILTER-CERAMIC;TR,6.5MHZ,70KHZ,-,-,TP	SME LOCAL	R6P05	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
IC401	AC14-12011Q	IC-LINEAR;TDA9800,DIP,NEG DEMOD		R6P06	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
IC4A1	AC14-12003P	IC;LA7920,-,-	SME LOCAL	R6P07	2007-000225	R-CHIP;1.2MOHM,5%,1/10W,DA,TP,2012	SME LOCAL
IC4A2	AC14-12003T	IC-L;KA33V TAPG,-,-	SME LOCAL	R6P08	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
L401	2701-000145	INDUCTOR-AXIAL;1UH,5%,2.4X3.4MM	SME LOCAL	R6P09	2007-000225	R-CHIP;1.2MOHM,5%,1/10W,DA,TP,2012	SME LOCAL
L402	2701-000145	INDUCTOR-AXIAL;1UH,5%,2.4X3.4MM	SME LOCAL	R6P10	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
L403	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL	R6P11	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
L404	2701-000160	INDUCTOR-AXIAL;22UH,5%,2.4X3.4MM	SME LOCAL	R6P12	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
L405	2702-000185	INDUCTOR-RADIAL;8.2UH,5%,6X6.4MM		I/O PARTS			
L415	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400	SME LOCAL	C834	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2012	SME LOCAL
L4A1	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-,-	SME LOCAL	C835	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-	
Q401	0501-000436	TR-SMALL SIGNAL;KTC3197,NPN,625MW,TO-92,TP	SME LOCAL	C836	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-	
Q402	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL	C802	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
Q4A1	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL	C804	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
R402	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M		C806	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
R403	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C807	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
R404	2007-001488	R-CHIP,MELF;560OHM,5%,1/8W,DB,BK,2012	SME LOCAL	C808	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM	SME LOCAL
R405	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C818	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
R406	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C819	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
R410	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C820	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
R414	2007-001578	R-CHIP,MELF;2.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	C822	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL
R415	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C824	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012	SME LOCAL
R416	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C825	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012	SME LOCAL
R417	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C829	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
R418	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	C831	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP,2012,2M	
R419	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL	C835	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
R420	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL	C836	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
R421	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012		D801	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
R423	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012		D802	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
R424	2007-001574	R-CHIP,MELF;20KOHM,5%,1/8W,DB,BK,2012		D803	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
R425	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	D804	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
R426	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012		D820	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
R428	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	D822	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
R429	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	JC801	3710-000482	CONNECTOR-SOCKET;21P,-,-,ANGLE,SN	SME LOCAL
R432	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	L803	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
R435	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	L804	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
R436	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL	L805	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
R4A0	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL	L806	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
R4A1	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	L807	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-,-	SME LOCAL
R4A2	2001-000718	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M		L808	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-,-	SME LOCAL
R4A3	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	L815	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-,-	SME LOCAL
R4A4	2007-001641	R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012	SME LOCAL	L816	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-,-	SME LOCAL
R4A5	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	Q802	0501-000303	TR-SMALL SIGNAL;KSA733-YPNP,250MW,TO-92,-,120	SME LOCAL
R4A6	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	Q803	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
R4A7	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL	Q812	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TP,3	SME LOCAL
R4A8	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL	Q813	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,TO	SME LOCAL

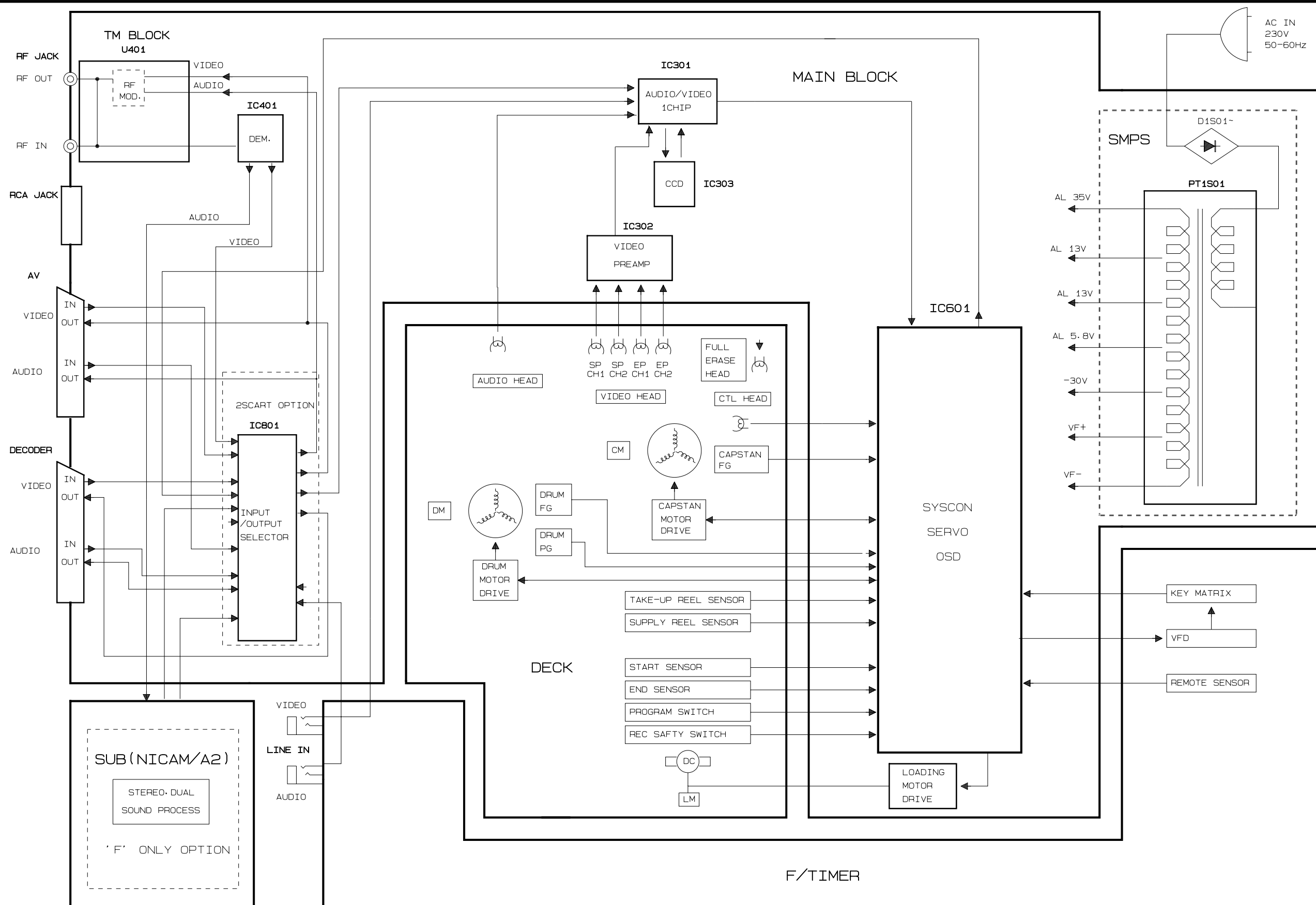
Loc.No	Part No	Desc and Spec	Remark	Loc.No	Part No	Desc and Spec	Remark
R807	2007-001446	R-CHIP,MELF;910OHM,5%,1/8W,DB,BK,2012		R703	2004-000790	R-METAL;330OHM,5%,1/4W,AA,TP (FRONT AV OPT)	SME LOCAL
R808	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL	R704	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R809	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL	R705	2004-000292	R-METAL;120HM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R810	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL	R706	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP (SHUTTLE OPT)	SME LOCAL
R811	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL	R707	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP (SHUTTLE OPT)	SME LOCAL
R812	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012		R708	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP (SHUTTLE OPT)	SME LOCAL
R813	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012		R709	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP (SHUTTLE OPT)	SME LOCAL
R816	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL	R711	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP (SHUTTLE OPT)	SME LOCAL
R817	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL	R712	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP (SHUTTLE OPT)	SME LOCAL
R822	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL	R713	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP (SHUTTLE OPT)	SME LOCAL
R823	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL	R714	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP (SHUTTLE OPT)	SME LOCAL
R835	2004-001290	R-METAL;820OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL	R716	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
SW801	3408-000127	SWITCH-SLIDE;12V,100MA,-,-	SME LOCAL	R717	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
670	DO NOT ORDER	ASSY-F/TIMER	(S.N.A)	R718	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C701	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL	R719	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C702	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	R720	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C703	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3.5X19,-	SME LOCAL	R721	61048-177-563	R-CARBON;RD 1/8 T 563-J	
C704	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7,5	SME LOCAL	R722	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C705	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL	R726	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C706	2202-000807	C-CERAMIC,MLC-AXIAL;22NF,+80-20%,25V,Y5V,TP,3.5X		R727	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C707	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50V,SL,3.5X19,-,TP		R728	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C708	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL	R729	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
C709	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL	R730	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C710	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL	R731	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C711	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL	R732	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C712	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3.5X19,-		R733	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
C714	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5 (FRONT AV OPT)	SME LOCAL	R734	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
CN701	3710-000545	CONNECTOR-SOCKET;20P,1R,1.5MM,STRAIGHT,SN	SME LOCAL	RM701	AC59-62001G	MODULE-REMOCON;TFMR5380,38KHZ,-,-,-,-	
D703	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW701	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D706	0401-000101	DIODE-SWITCHING;1N4148,100V (FRONT AV OPT)	SME LOCAL	SW703	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D708	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW704	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D710	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW705	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D711	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW706	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D712	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW707	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D718	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW709	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D723	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW710	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D725	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW711	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D728	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW712	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D730	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW713	3404-001008	SWITCH-TACT;12V,20MA,160+50 (NO SHUTTLE OPT)	
D736	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW714	3404-001008	SWITCH-TACT;12V,20MA,160+50 (NO SHUTTLE OPT)	
D737	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	SW715	3404-001008	SWITCH-TACT;12V,20MA,160+50,6X7.9X3.5MM,D	
D738	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	ZD701	62169-403-833	DIODE ZENER;UZ 5.6BH	
D739	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	ZD702	0403-000555	DIODE-ZENER;MTZ30D,30V,29.02-30.51V,500MW, REMOCON-ASSY	
D741	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL		AC59-10345A	SV-A40GK/SV-A80GK/SV-205G/SV-405G	
D742	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL		AC59-10329N	SV-A20GK/SV-A60GK/SV-200G/SV-400G	
D743	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL		64043-0166-00	DOOR-BATTERY;ABS94HB T2 D/GRY NR-3346	
D744	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	CT1	2401-001954	C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5	SME LOCAL
D745	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	CT2	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
D746	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL	CT3	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
DT701	AC07-20050J	VF-DISPLAY;SVV-8MS11,15SEG,101.5X21.5,-		ICT1	AC09-12014C	IC-MCU;KS51810-76,QFP,V-PAL	SME LOCAL
IC701	1003-001039	IC-VFD;UPD16311GC-AB6,QFP,52P,-,-,40		LDT1	A4150-0168	LED-IRRED;SI5312-H NTR 940NM/1.4V	SME LOCAL
JK702	AC37-22001T	JACK-PIN;DSPS-8805-03W,PI4,3P (FRONT AV OPT)	SME LOCAL	QT1	0501-000534	TR-SMALL SIGNAL;2SC2412K,NPN,200MW,SOT-23,TP	SME LOCAL
JK703	3722-000433	JACK-PIN;1P/1C,PI3,3,SN,YEL,- (FRONT AV OPT)	SME LOCAL	RT1	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	SME LOCAL
JS701	3406-001015	SWITCH-ROTARY;5V,10MA,DP5T (SHUTTLO OPT)		XT01	64539-102-311	CERAMIC RESONATOR;CSB455E1L/KBR455BKTL	
L701	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-	SME LOCAL				
L703	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL				
LD701	0601-000497	LED;ROUND,GRN,3MM,565NM					
Q701	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL				
R701	2004-000292	R-METAL;12OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL				
R702	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL				

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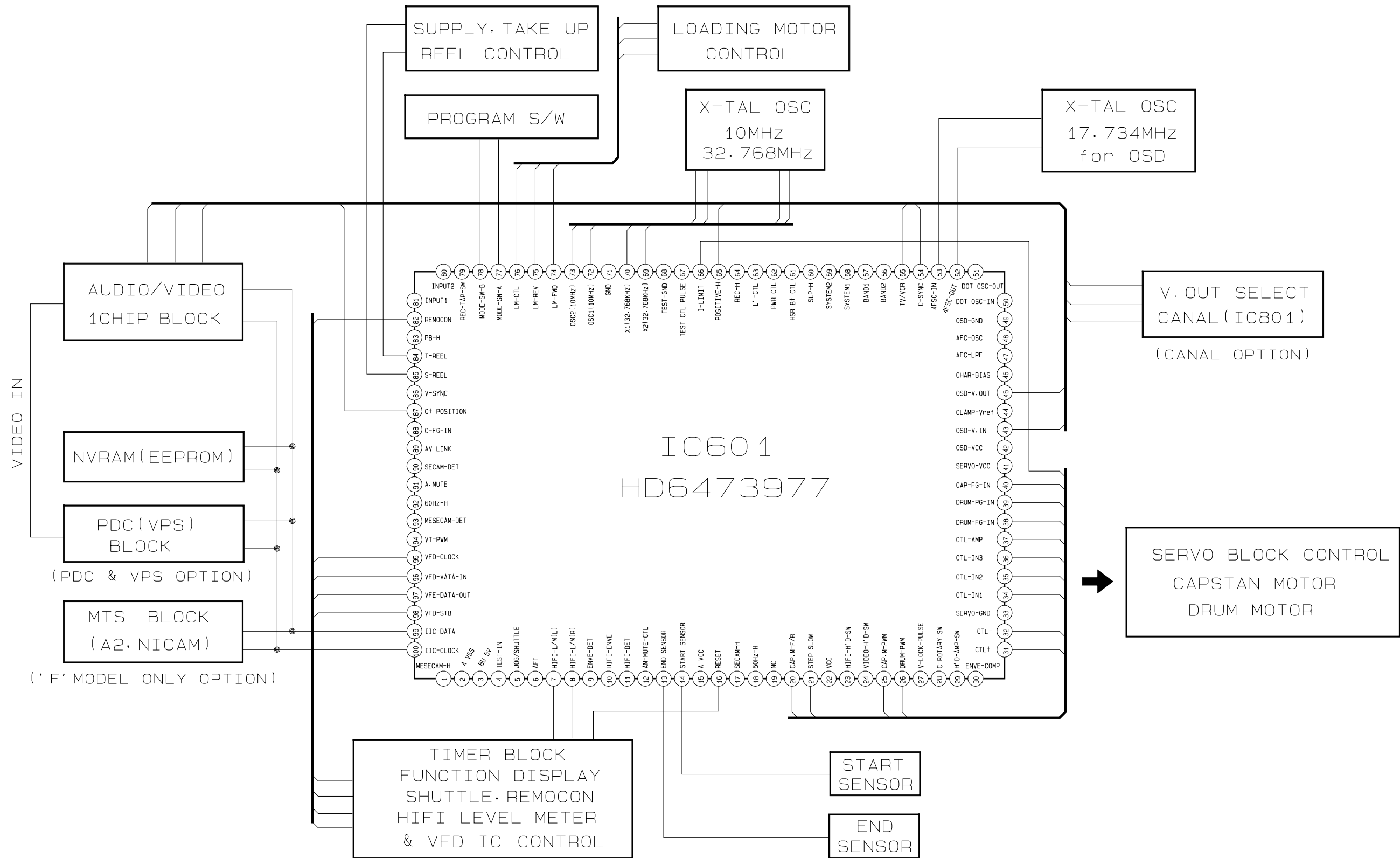
8. Block Diagrams

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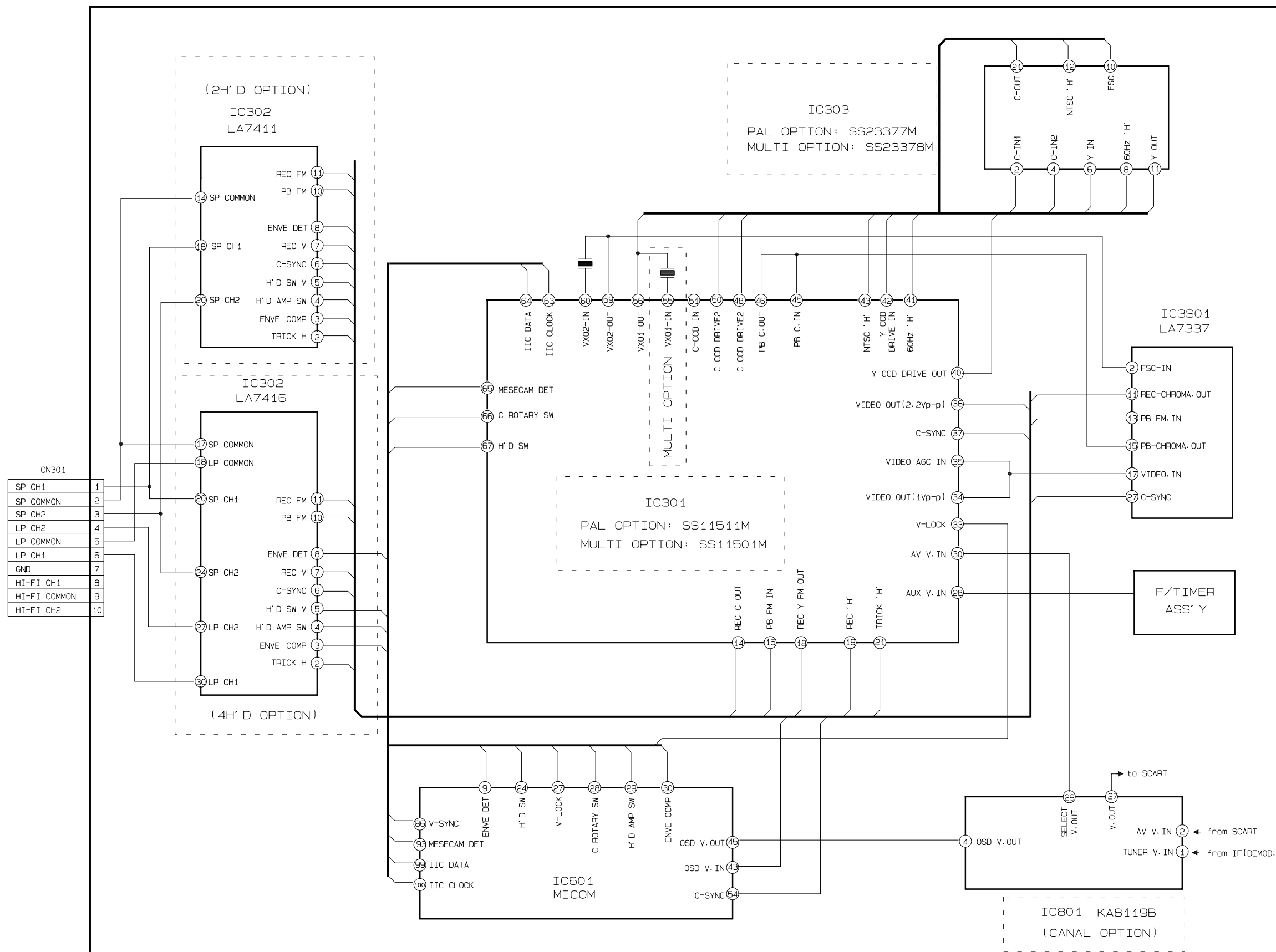
8-1 Overall Block Diagram



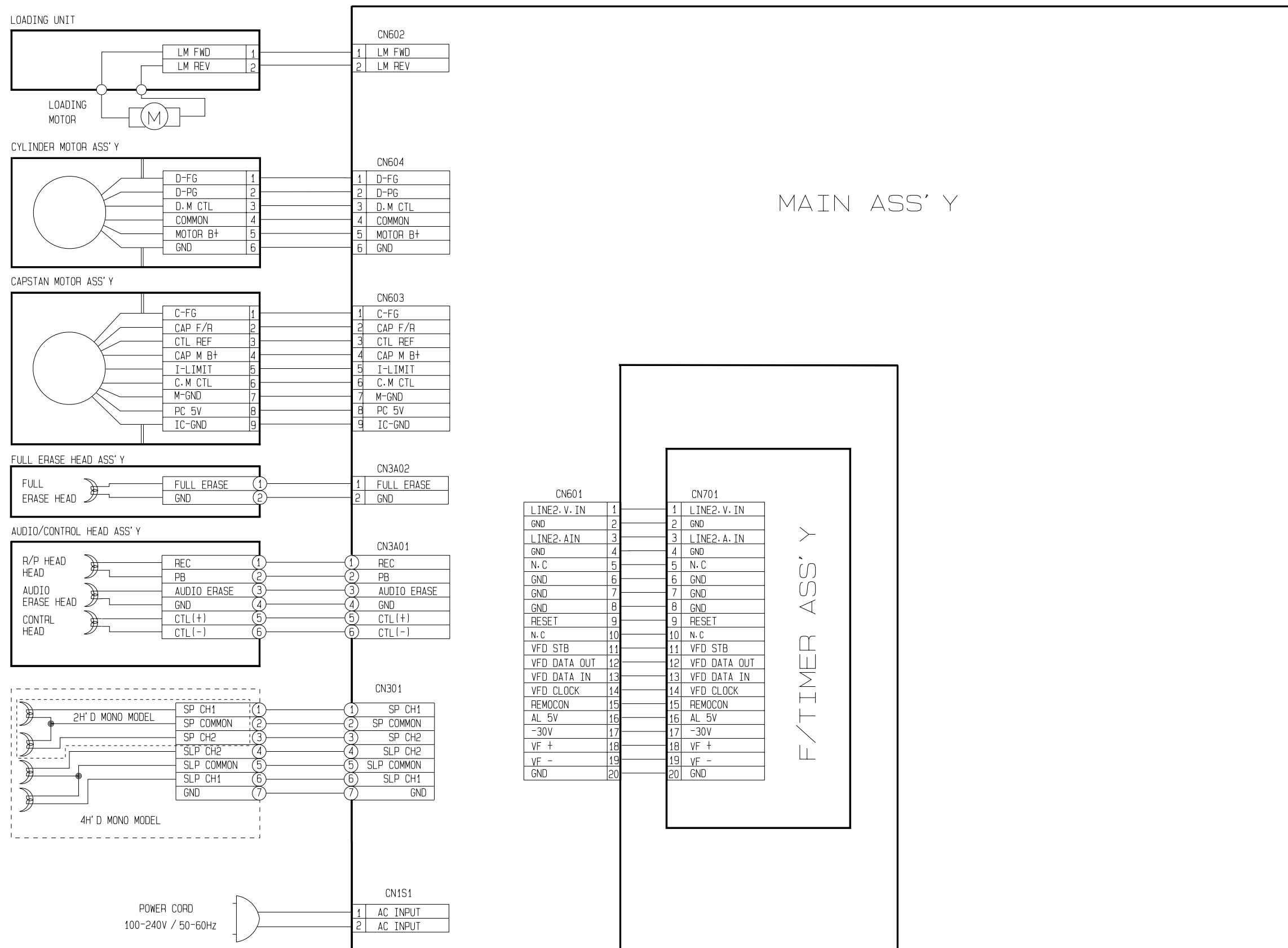
8-2 System Control



8-3 Video



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.

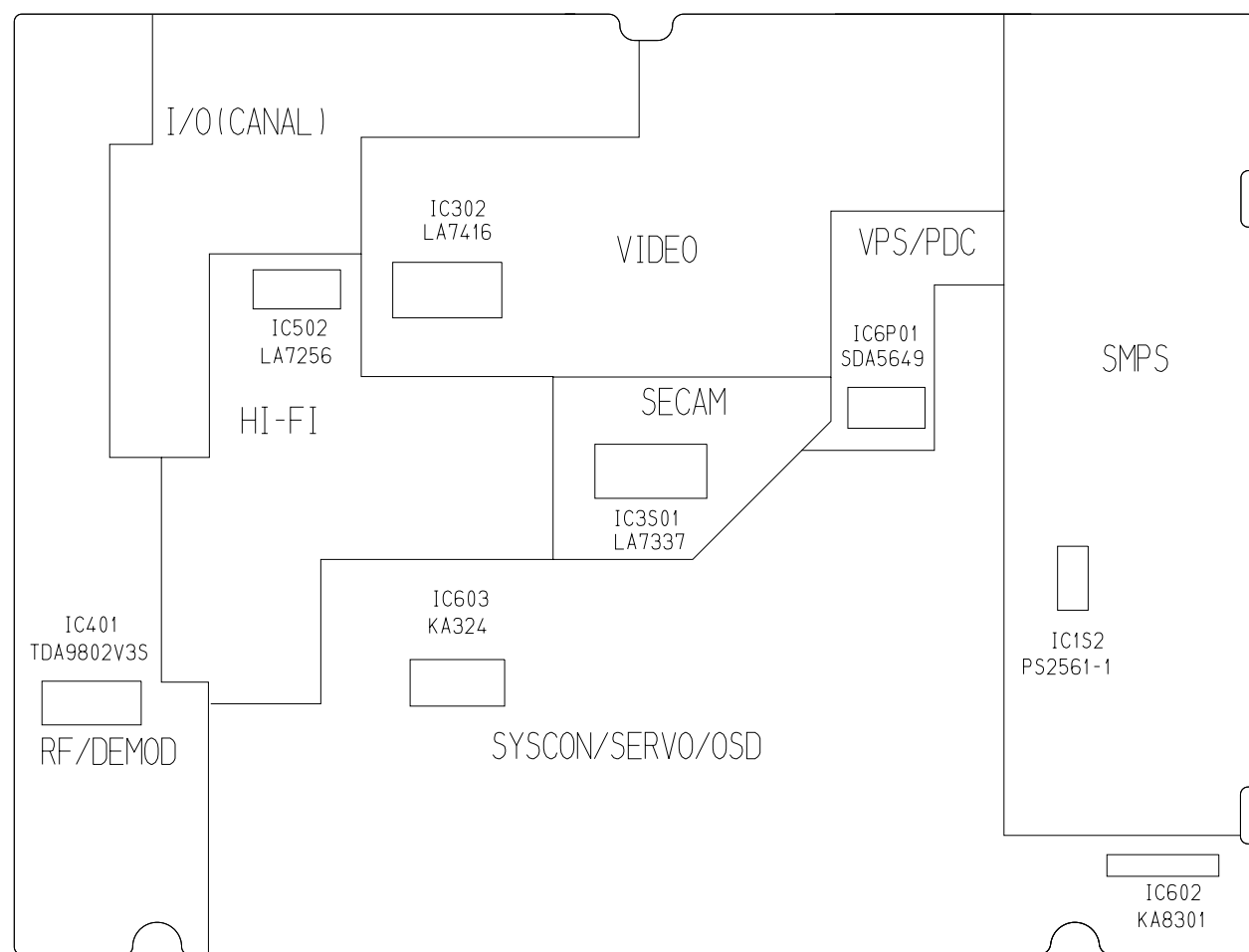
Note :

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).

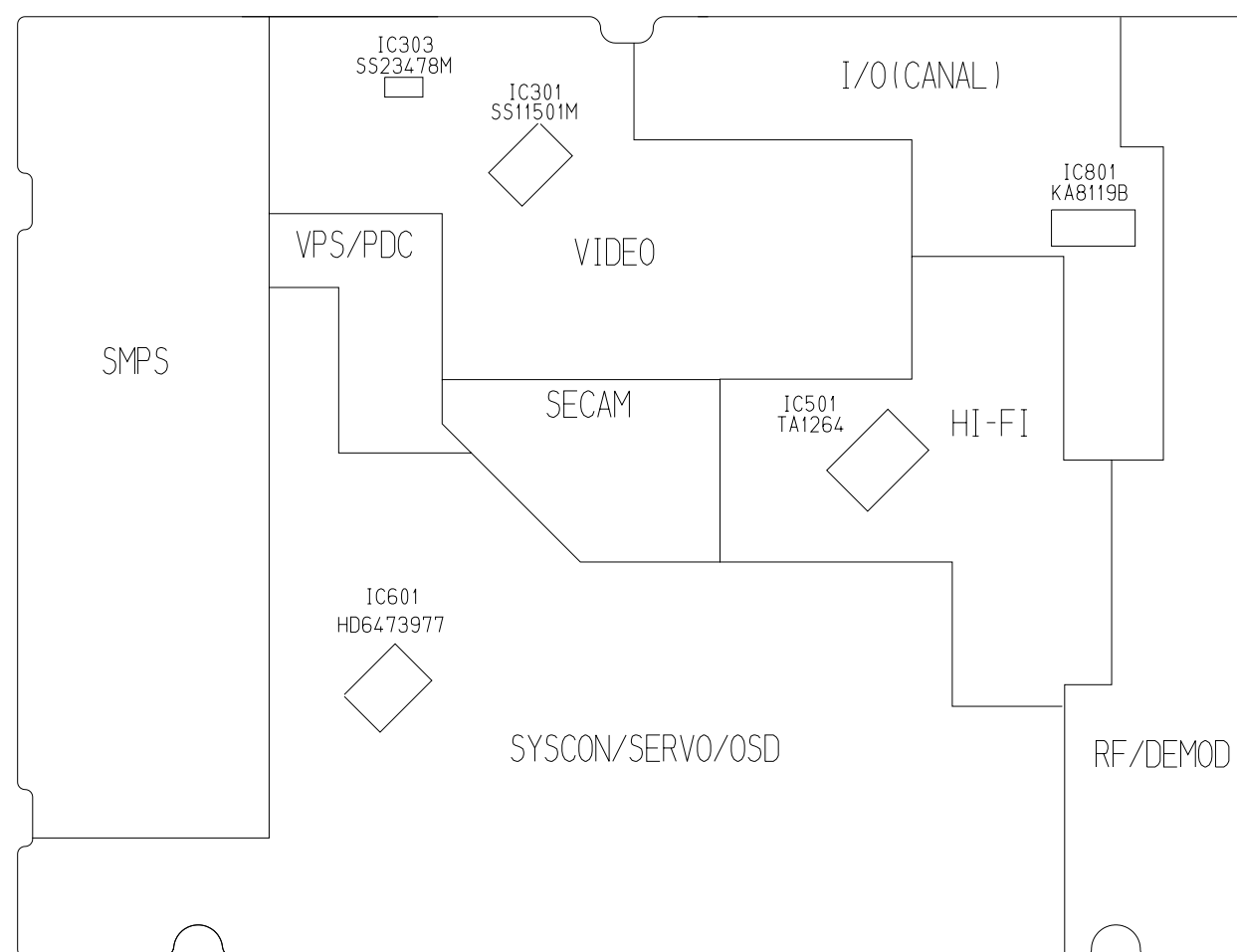
Important safety notices :

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**

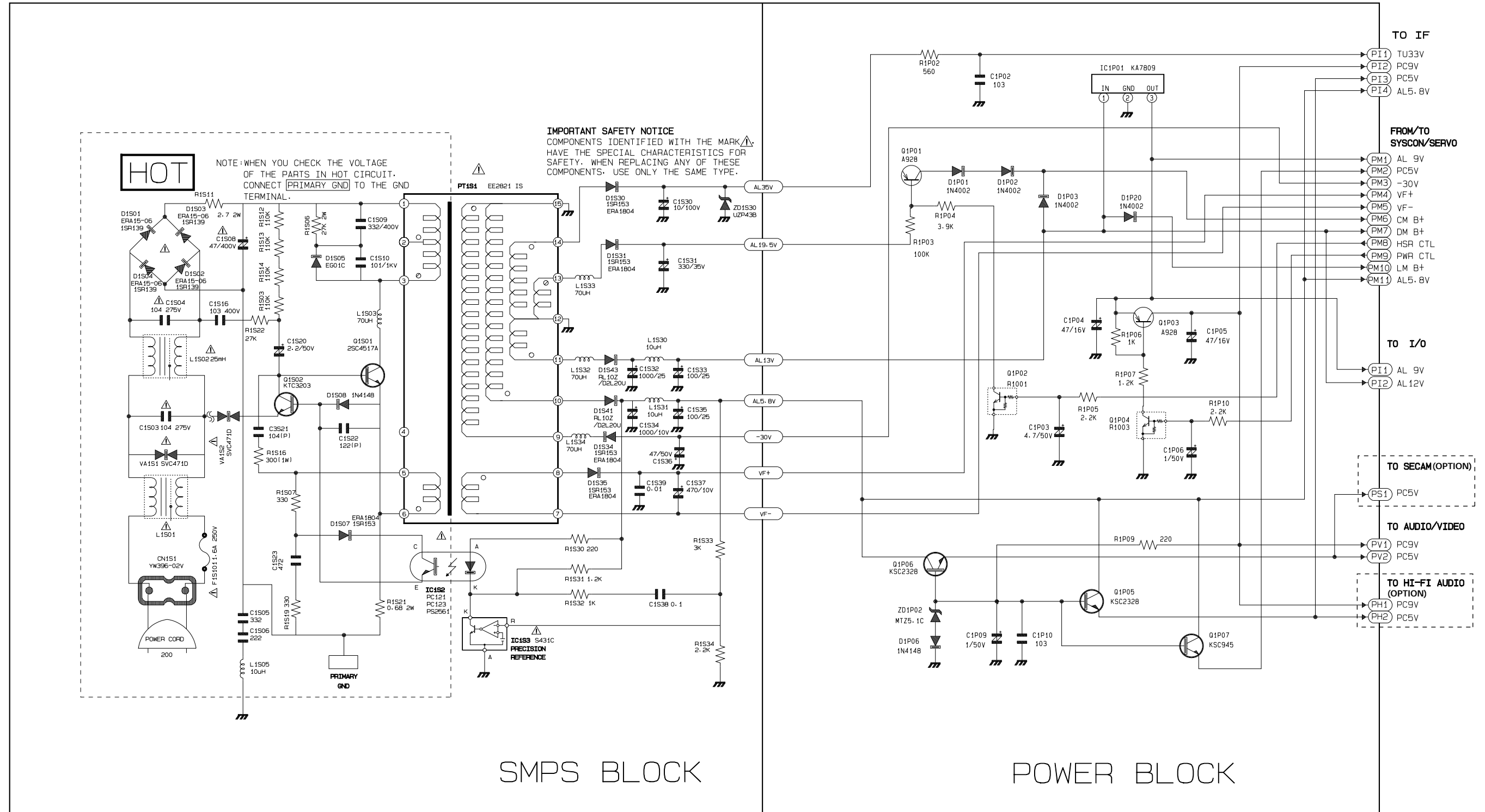


(Component Side)

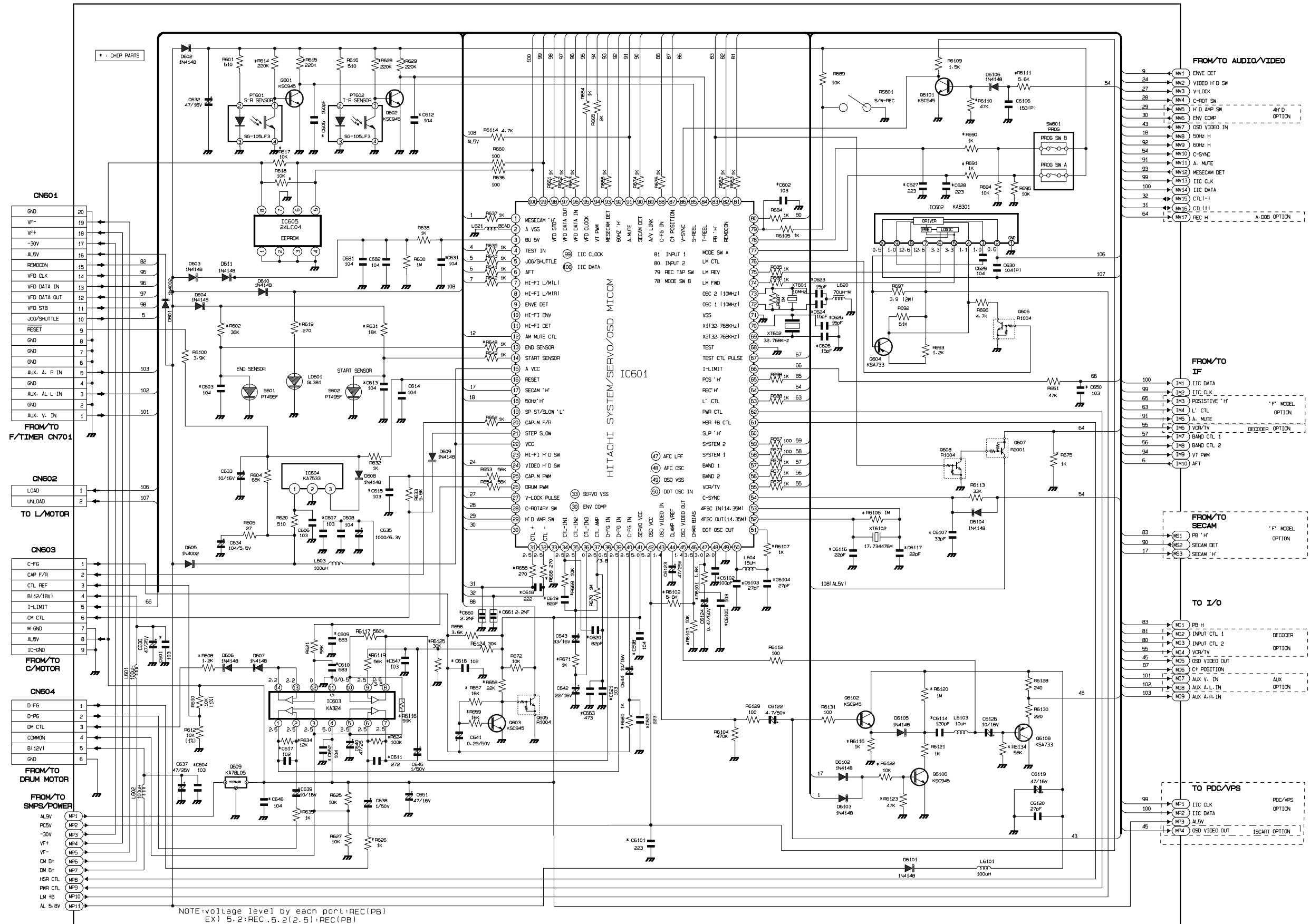


(Conductor Side)

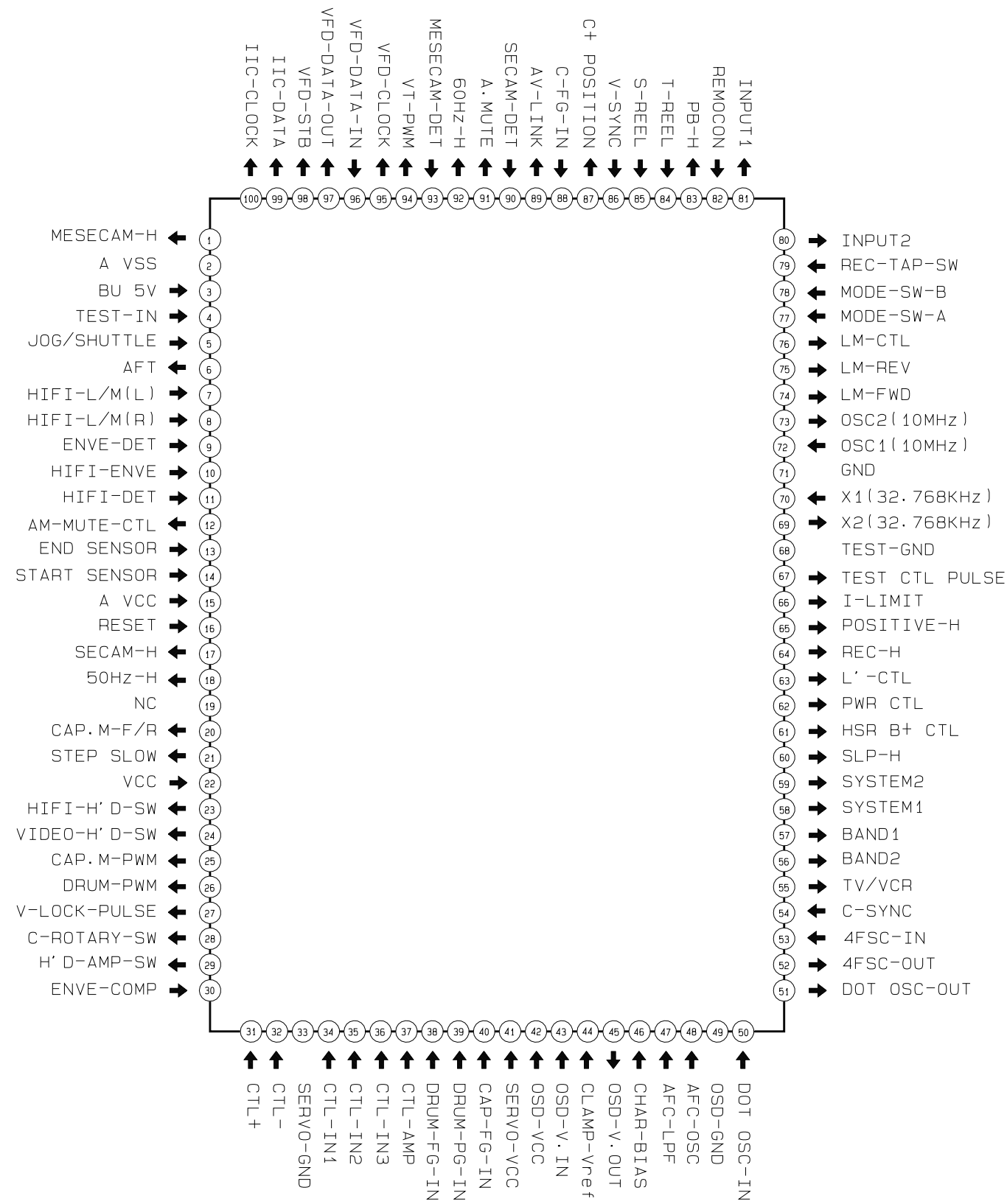
11-1 S.M.P.S./POWER



11-2 System Control/Servo



IC601 HD6433977-RA10F

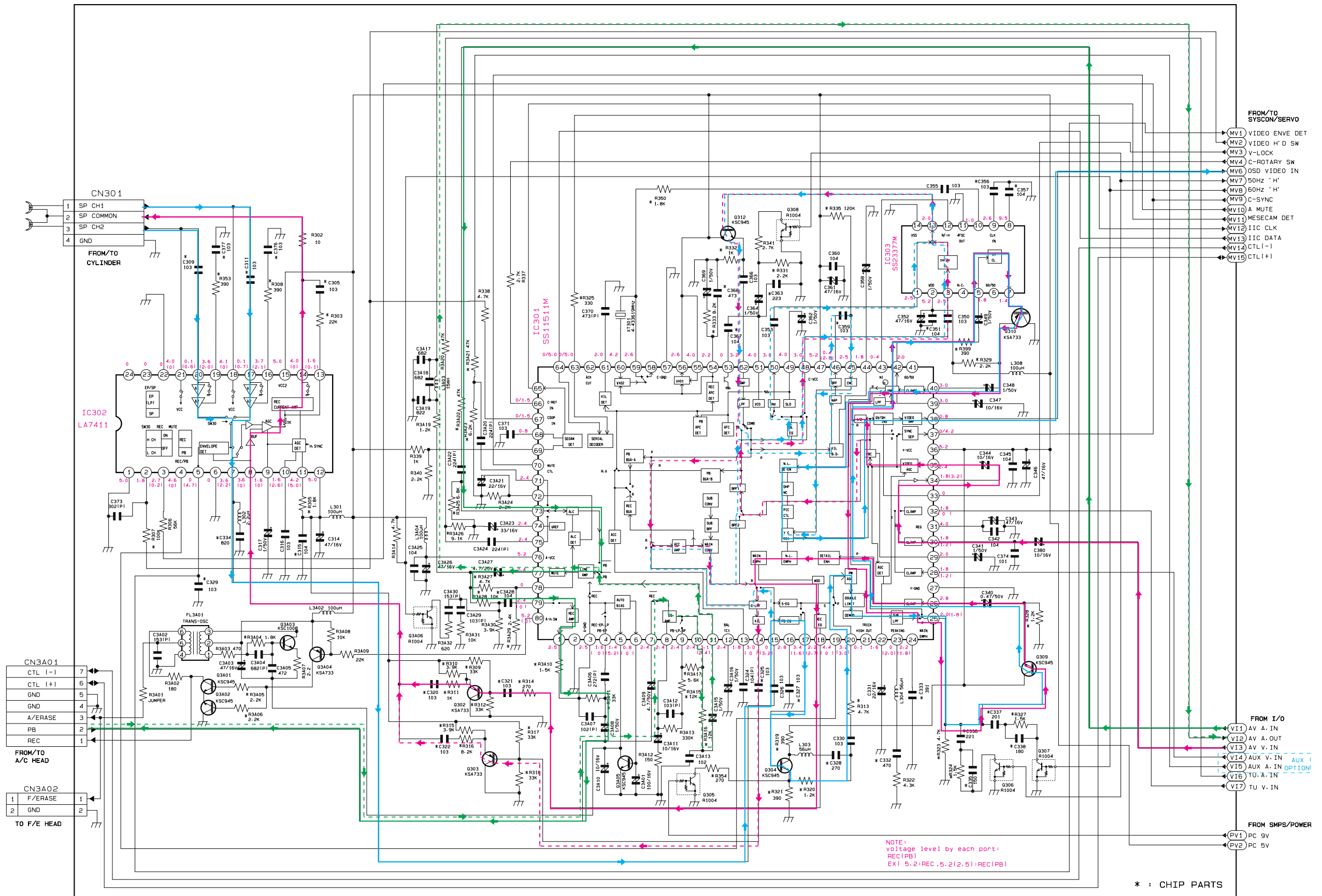


11-3 Audio/Video (SV-A20GK/A40GK/SV-200G/205G)

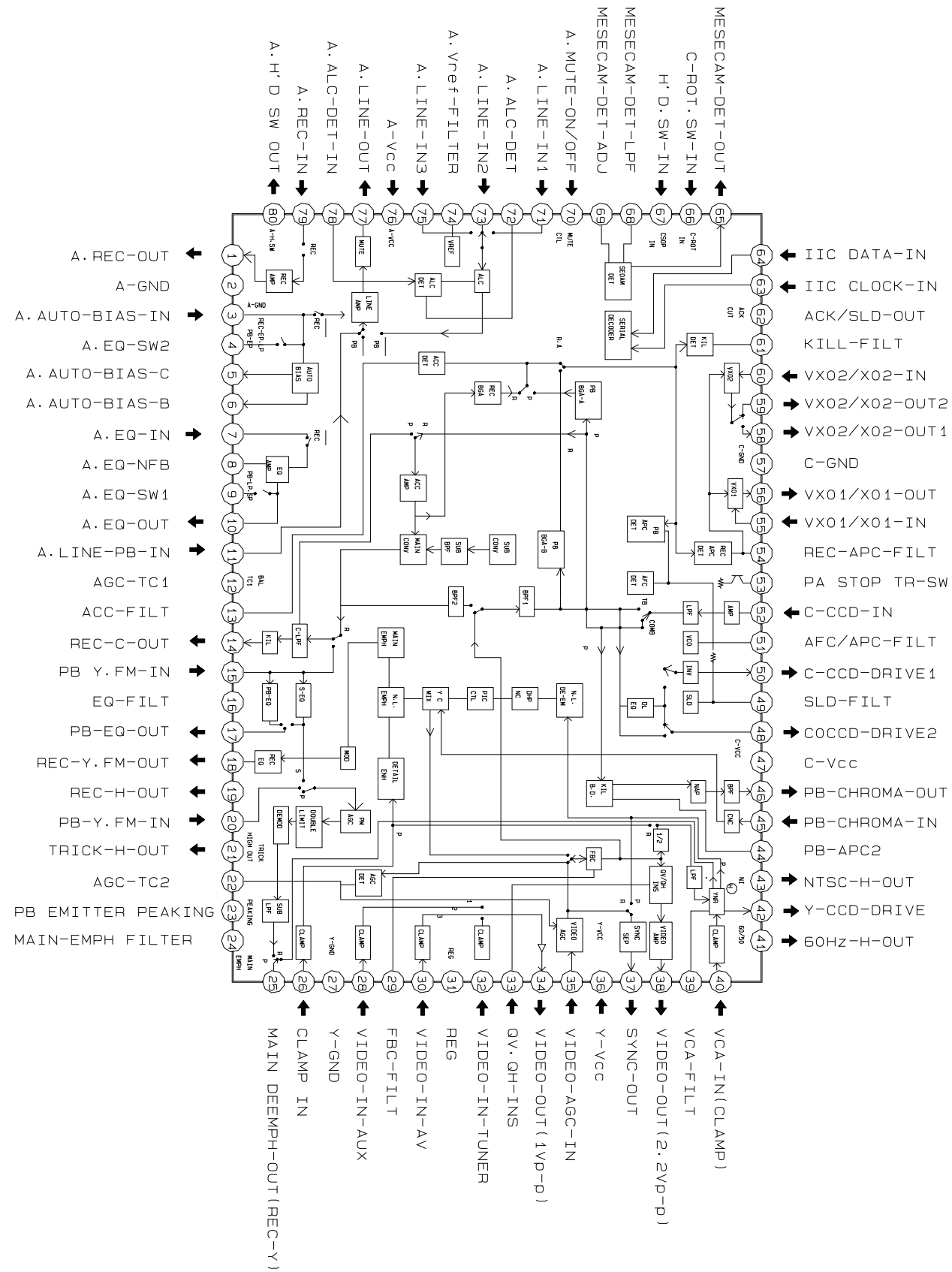
— REC Y PROCESS
 - - - REC C PROCESS

— PB Y PROCESS
 - - - PB C PROCESS

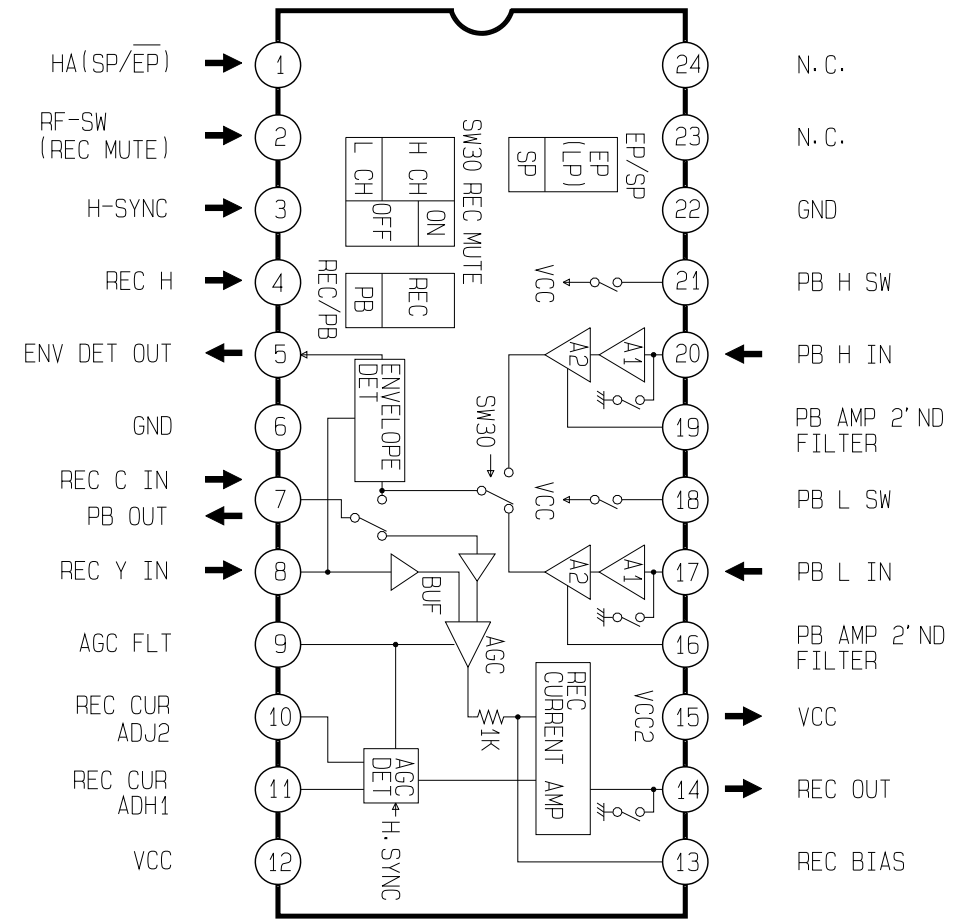
— REC LINEAR AUDIO
 - - - PB LINEAR AUDIO



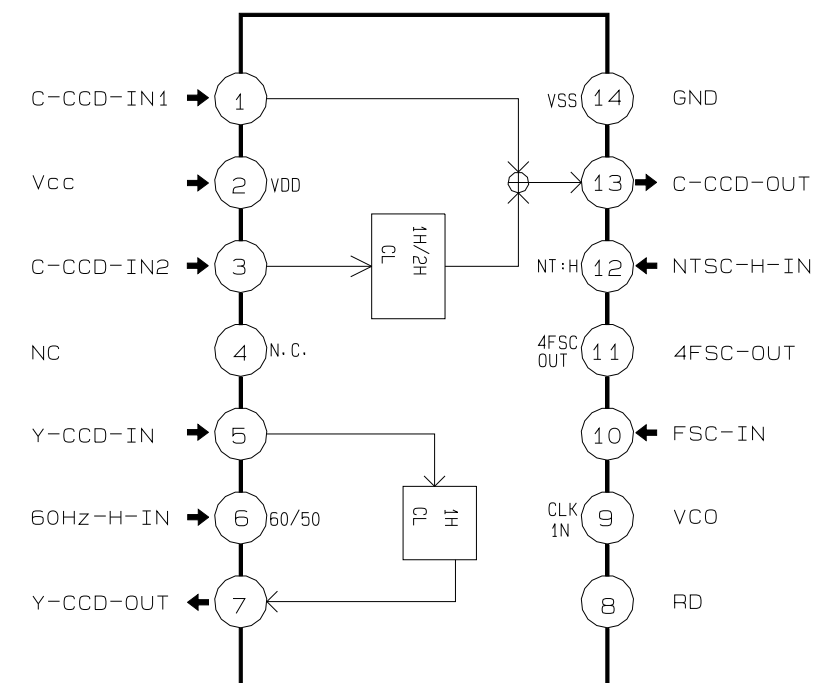
IC301 SS11511M



IC302 LA7411



IC303 SS23377M

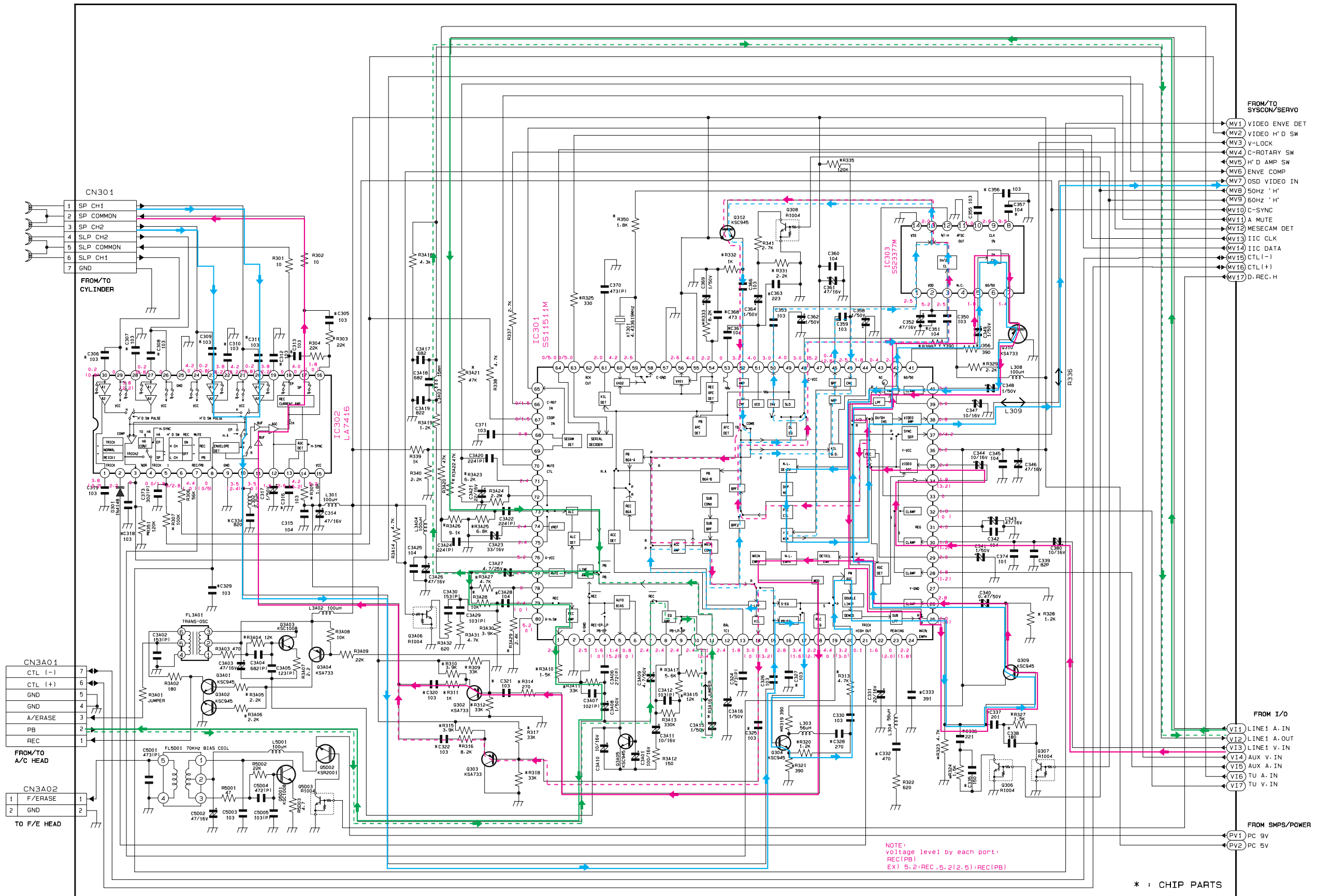


11-4 Audio/Video (SV-A60G/A80G/SV-400G/405G)

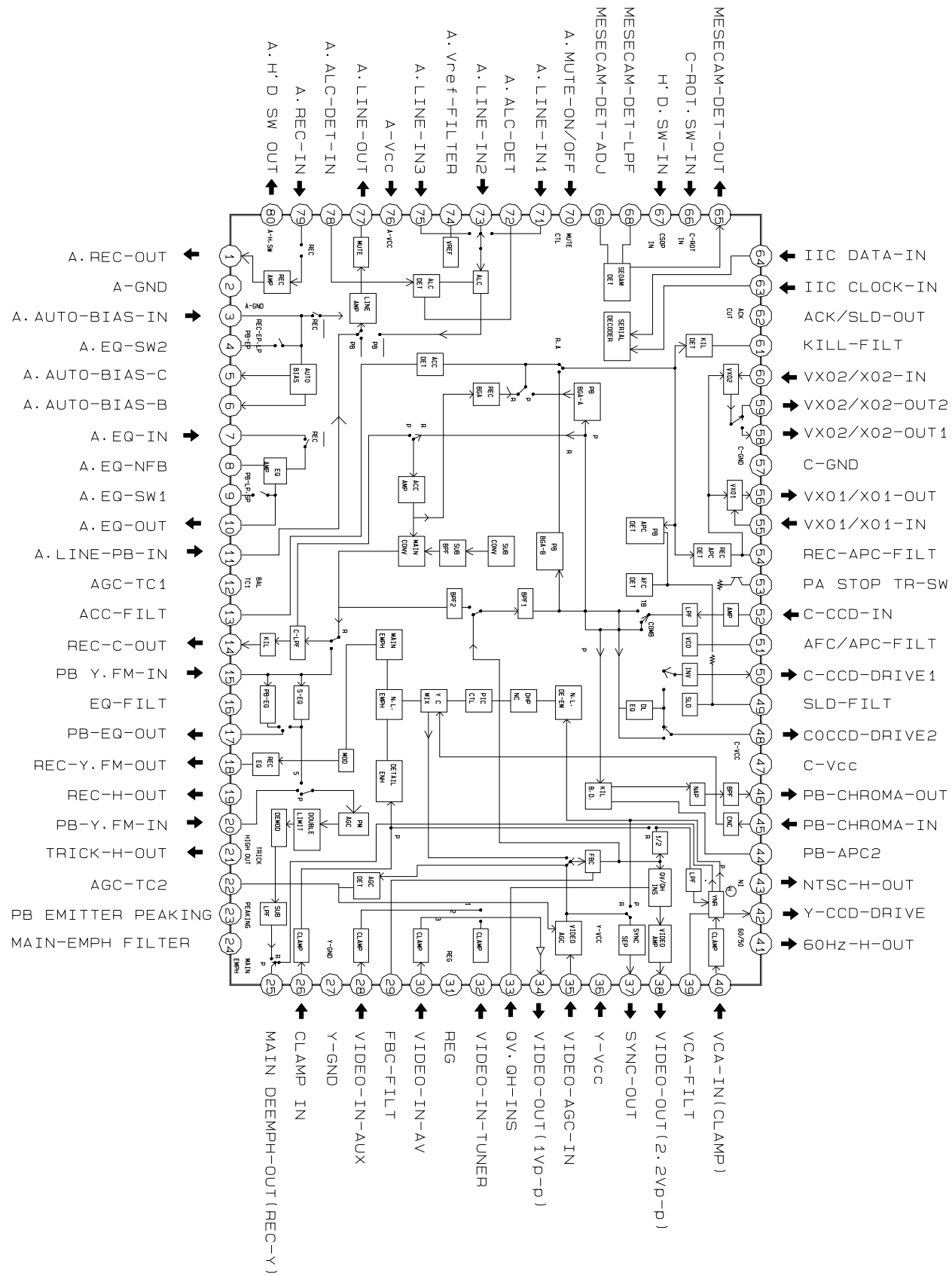
— REC Y PROCESS
 - - - REC C PROCESS

— PB Y PROCESS
 - - - PB C PROCESS

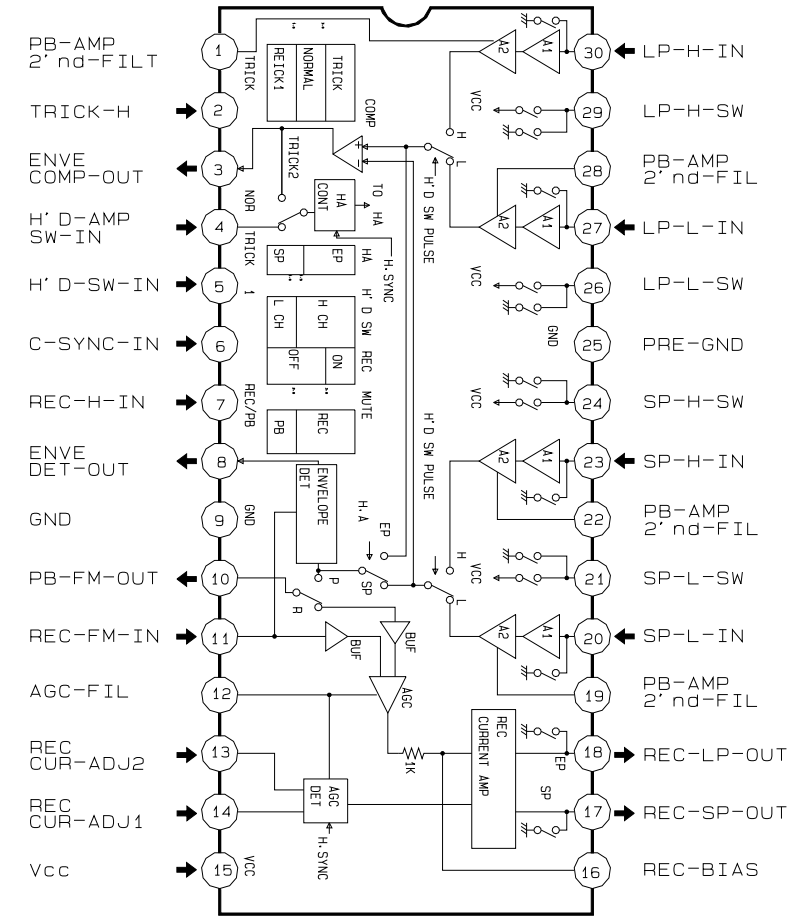
— REC LINEAR AUDIO
 - - - PB LINEAR AUDIO



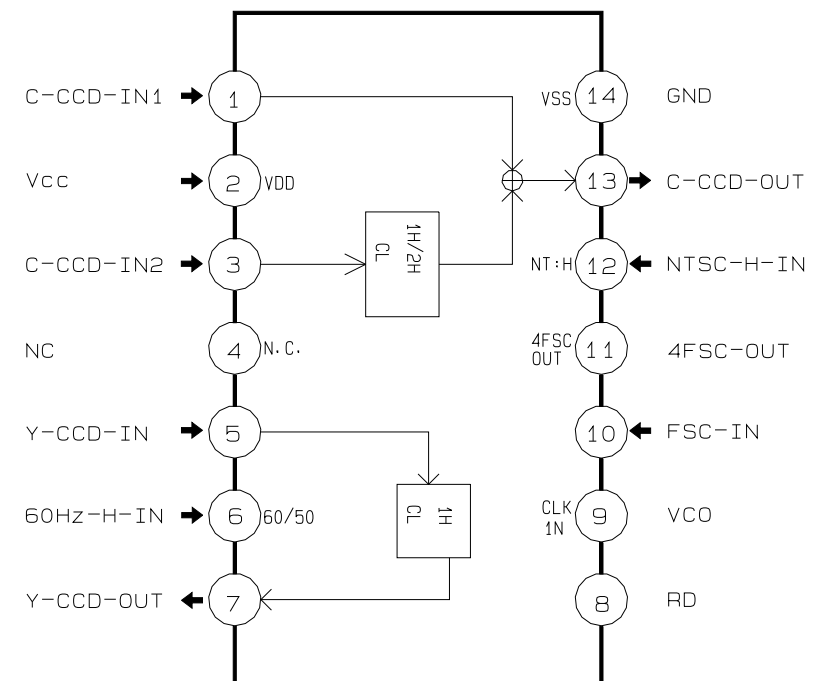
IC301 SS11511M



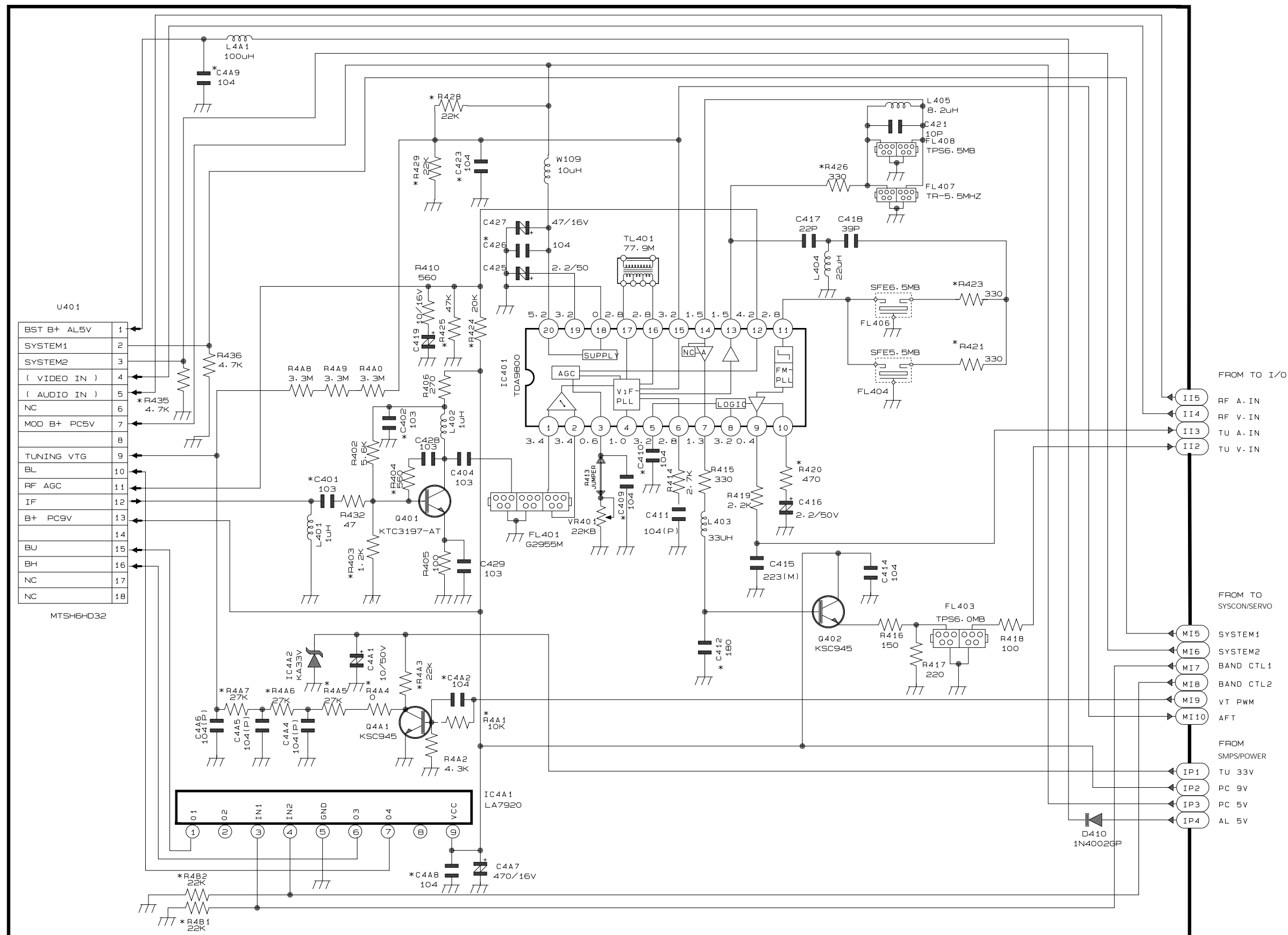
IC302 LA7416



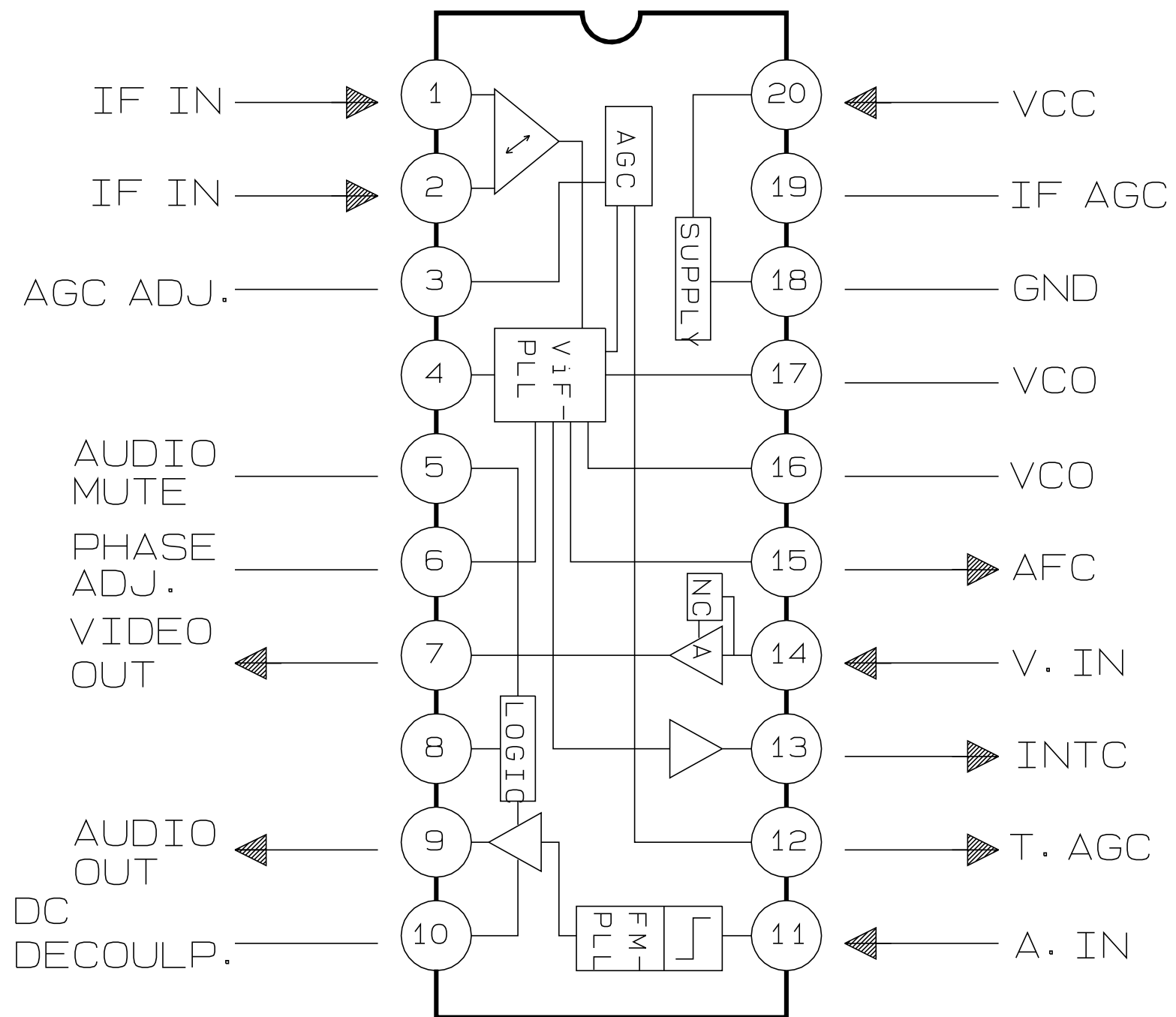
IC303 SS23377M



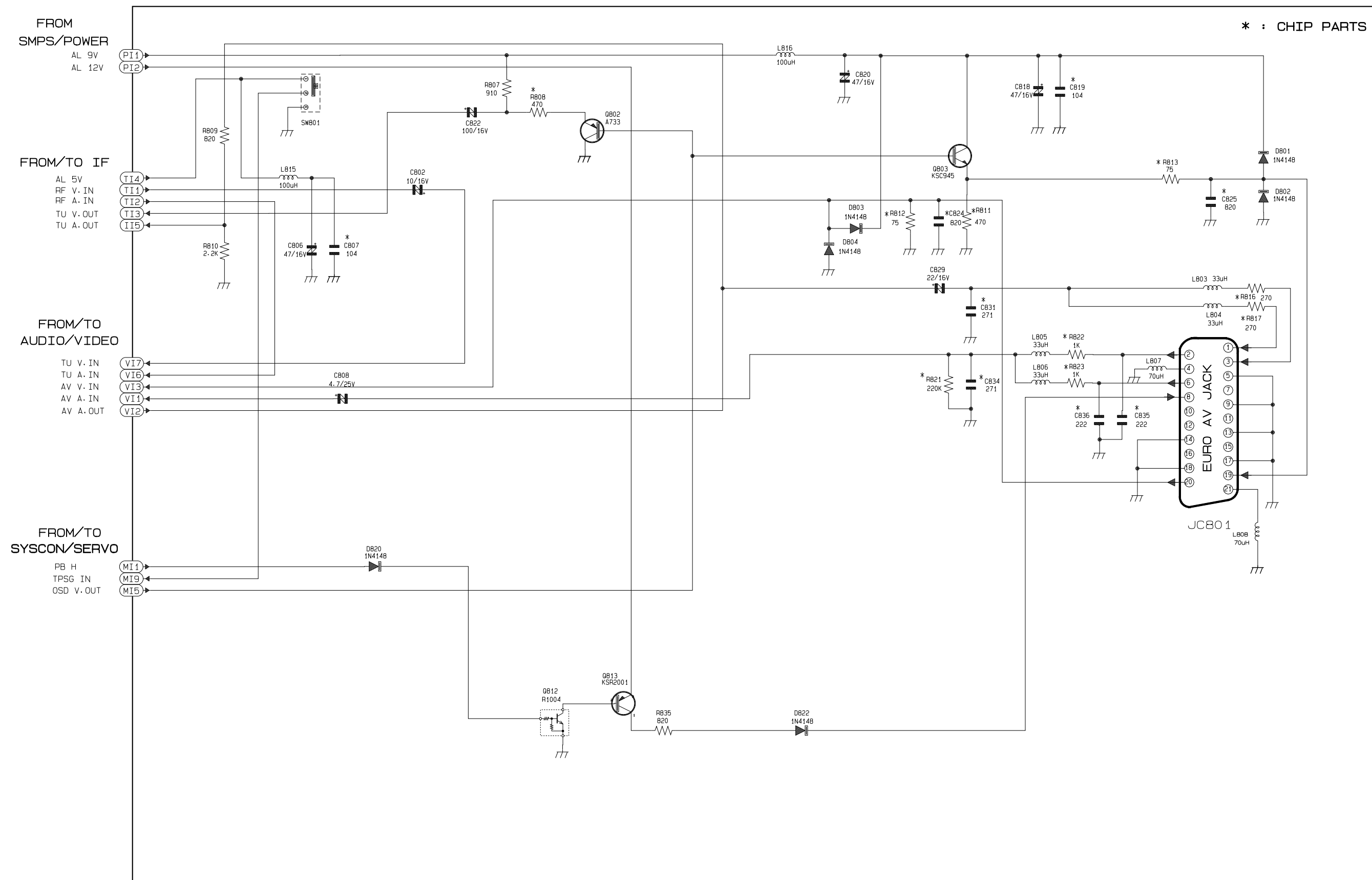
11-5 IF



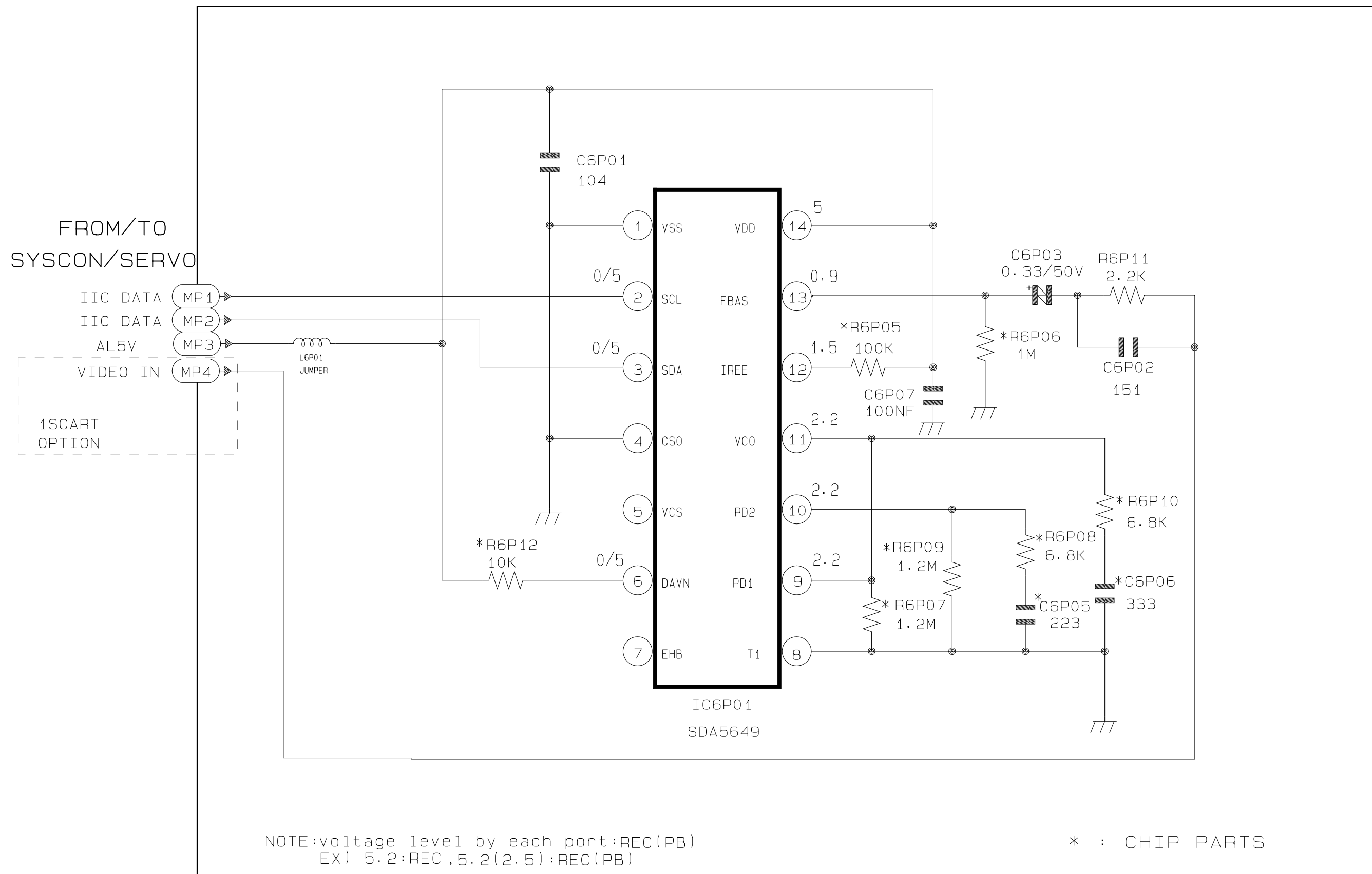
IC401 TDA9800



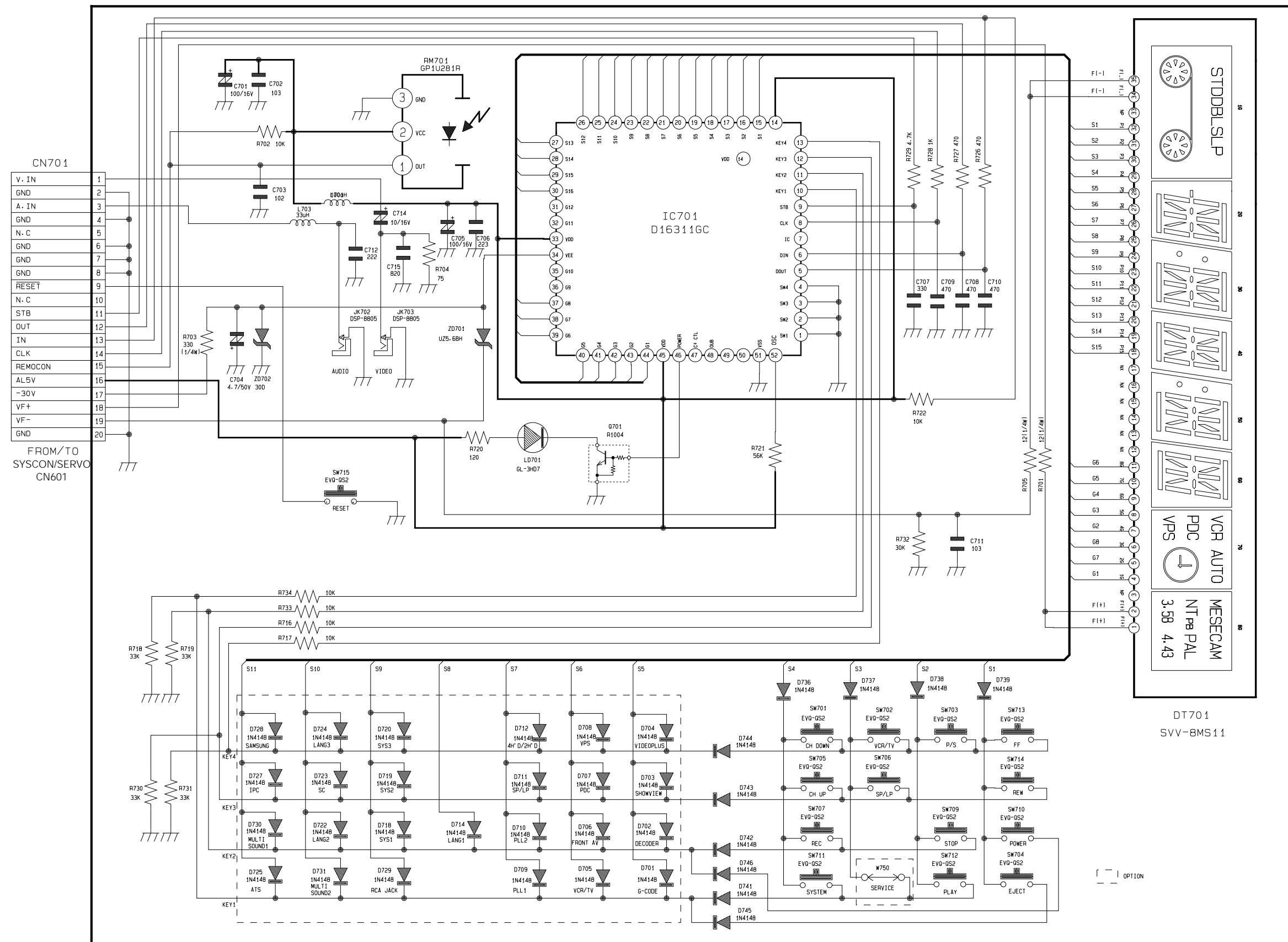
11-6 I/O



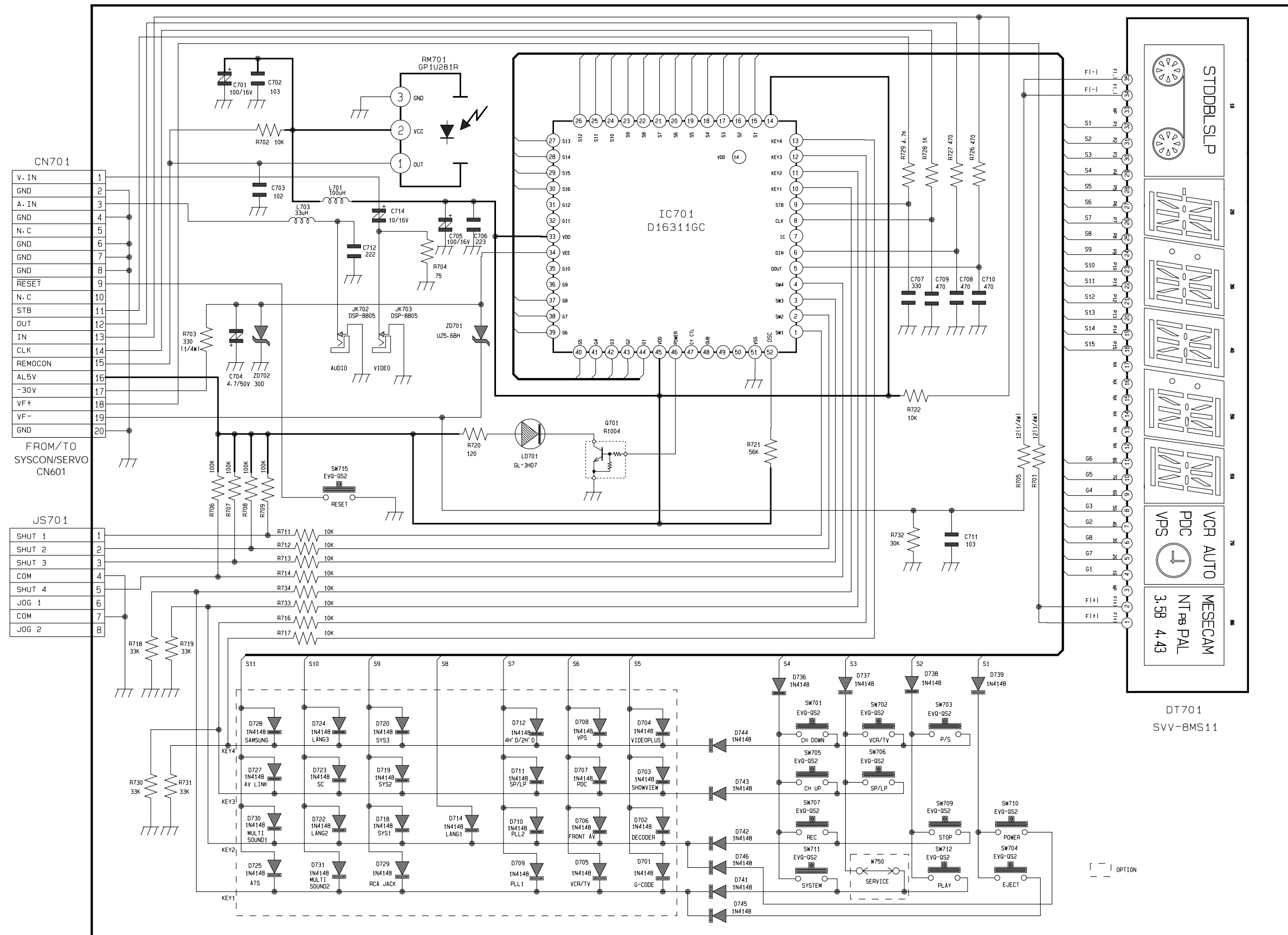
11-7 VPS



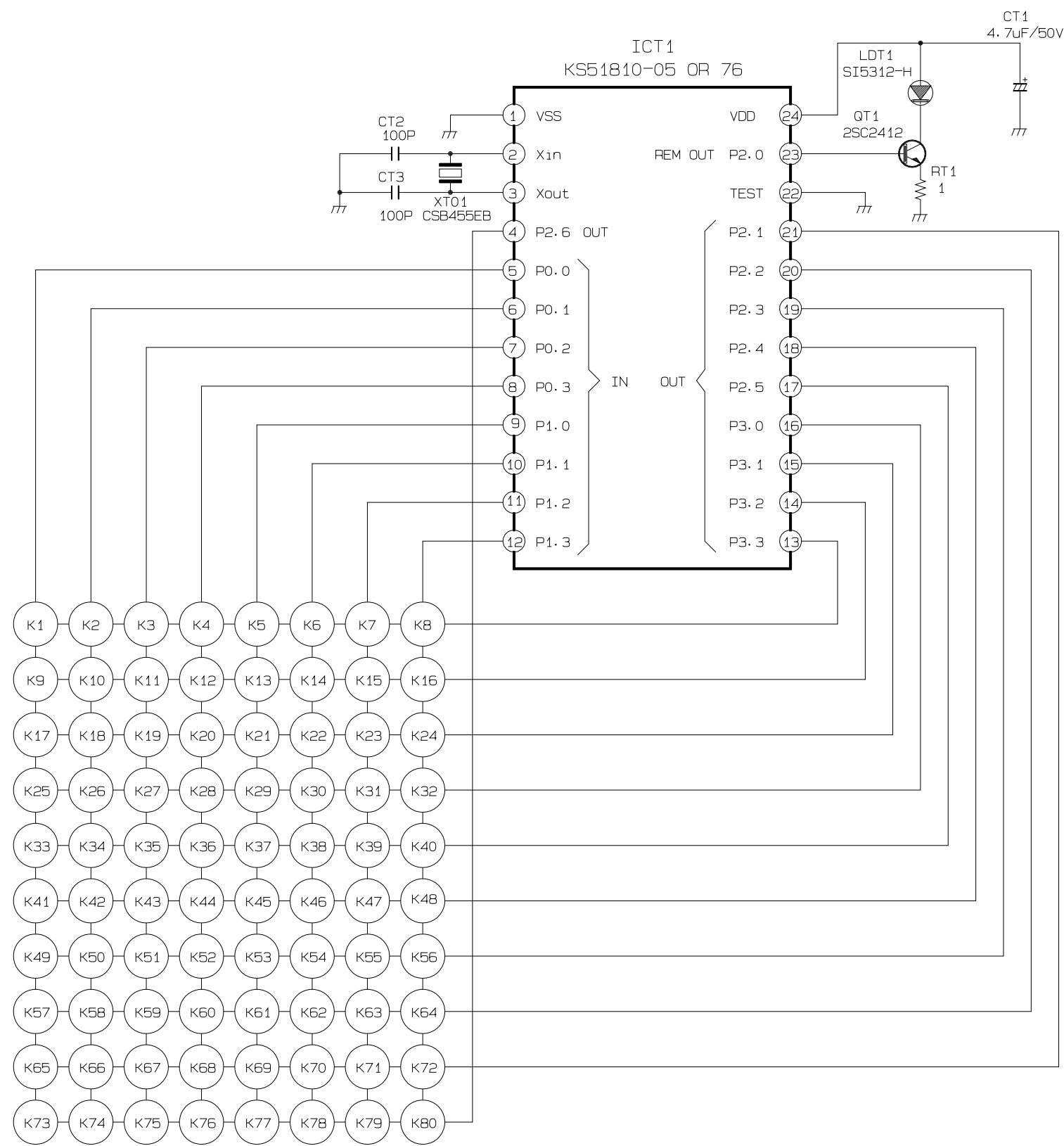
11-8 Function-Timer (SV-A20GK/SV-A60GK/SV-200G/SV-600G)



11-9 Function-Timer (SV-A40GK/SV-A80GK/SV-205G/SV-405G)



11-11 Remote-Control



FUNCTION KEY			
K1	-	K41	REW
K2	TV/VCR	K42	PLAY
K3	POWER	K43	F.F
K4	-	K44	INDEX
K5	-	K45	-
K6	-	K46	OK
K7	TEST	K47	-
K8	INDEX	K48	-
K9	CH 1	K49	-
K10	CH 2	K50	CLEAR/RESET
K11	CH 3	K51	DISPLAY
K12	-	K52	MENU
K13	TRACKING UP	K53	SYSTEM
K14	TRACKING DOWN	K54	-
K15	A. DUB	K55	-
K16	-	K56	-
K17	CH 4	K57	EJECT
K18	CH 5	K58	D. ATR
K19	CH 6	K59	OUTPUT SEL.
K20	-	K60	-
K21	VCR+	K61	<
K22	SEARCH	K62	AFT
K23	-	K63	PICTURE
K24	CLOCK/COUNTER	K64	-
K25	CH 7	K65	INPUT SEL.
K26	CH 8	K66	SHIFT
K27	CH 9	K67	-
K28	-	K68	-
K29	-	K69	>
K30	-	K70	-
K31	-	K71	SHUTTLE-
K32	-	K72	SHUTTLE+
K33	REC/OTR	K73	CH-DOWN
K34	STOP	K74	CH 0
K35	P/STILL	K75	CH-UP
K36	SLOW-DOWN	K76	SLOW+
K37	-	K77	VPS/PDC
K38	▽	K78	-
K39	△	K79	SP/LP
K40	-	K80	Q-PROGRAM