LCD TV

chassis FL10.5

SERVICE MANUAL

Contents

40”	40MF430B/F7	MAGNAVOX	(Serial No. : DS1A)
40”	40MF430B/F7	MAGNAVOX	(Serial No. : DS2A)
40”	LC407SS1	SYLVANIA	(Serial No. : DS1A)
40”	LC407SS1	SYLVANIA	(Serial No. : DS2A)
40”	LC407SS1	SYLVANIA	(Serial No. : DS3A)
40”	LC407EM1	EMERSON	

A01PBUH/PEUH/P1UH/PDUH/PFUH/P4UH
100722

IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all Funai Equipment. The service procedures recommended by Funai and described in this service manual are effective methods of performing service operations. Some of these service special tools should be used when and as recommended.

It is important to note that this service manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. Funai could not possibly know, evaluate and advice the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, Funai has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Funai must first use all precautions thoroughly so that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

The LCD panel is manufactured to provide many years of useful life. Occasionally a few non active pixels may appear as a tiny spec of color. This is not to be considered a defect in the LCD screen.

TABLE OF CONTENTS

SPECIFICATIONS

< TUNER / NTSC >

ANT. Input ---------- 75 Ω Unbal., F type

Description	Condition	Unit	Nominal	Limit
1. AFT Pull-In Range	---	MHz	±2.3	±2.1
2. Synchronizing Sens.	TV.ch.4 CA.ch.31 CA.ch.87	dBμ dBμ dBμ	18 18 18	20 20 23

< TUNER / ATSC >

Description	Condition	Unit	Nominal	Limit
1. Received Freq. Range (-28dBm)	---	kHz	---	±100
2. ATSC Dynamic Range (min / max)	ch.4 ch.10 ch.41	dBm dBm dBm	--- --- ---	-76/0 -76/0 -76/+4

< LCD PANEL >

Description	Condition	Unit	Nominal	Limit
1. Native Pixel Resolution	Horizontal Vertical	pixels pixels	1920 1080	--- ---
2. Brightness (w / filter)	---	cd/m^2	400	---
3. Viewing Angle	Horizontal Vertical	° °	-88 to 88 -88 to 88	-70 to 70 -70 to 70

< VIDEO >

Description	Condition	Unit	Nominal	Limit
1. Over Scan	Horizontal Vertical	% %	5 5	5±5 5±5
2. Color Temperature	--- x y	°K	12000 0.272 0.278	--- ±3% ±3%
3. Resolution (composite video)	Horizontal Vertical	line line	400 350	--- ---

< AUDIO >

All items are measured across 8 Ω load at speaker output terminal with L.P.F.

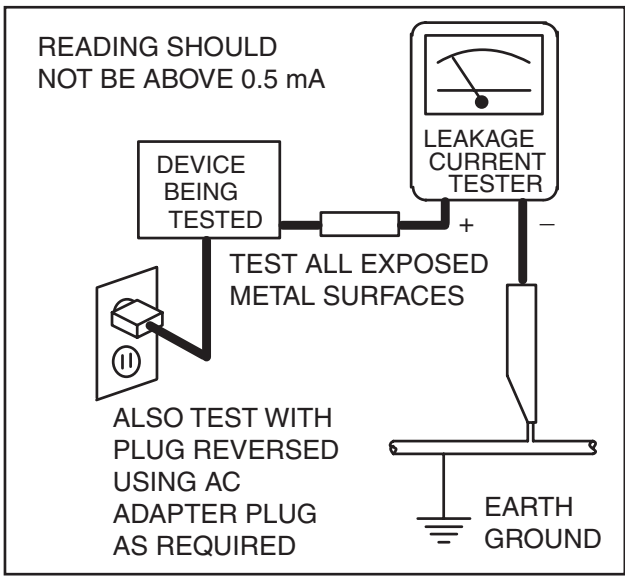
Description	Condition	Unit	Nominal	Limit
1. Audio Output 10% Distortion (ATSC 0 dBfs)	Lch/Rch	W	10.0/10.0	8.0/8.0
2. Audio Distortion (NTSC)	500mW: Lch/Rch	%	0.5/0.5	2.0/2.0
3. Audio Freq. Response (NTSC)	–6dB: Lch –6dB: Rch	Hz Hz	70 to 10 k 70 to 10 k	100 to 8 k 100 to 8 k

IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, our products are strictly inspected for recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Safety Precautions for LCD TV Circuit

1. **Before returning an instrument to the customer,** always make a safety check of the entire instrument, including, but not limited to, the following items:
   - **a.** Be sure that no built-in protective devices are defective and have been defeated during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. **Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.**
   - **b.** Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) spacing between the Liquid Crystal Panel and the cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.
   - **c. Antenna Cold Check -** With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohm or greater than 5.2 megohm, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.
   - **d. Leakage Current Hot Check -** With the instrument completely reassembled, plug the AC line cord directly into a 120 V AC outlet. (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) 1410, (50.7). With the instrument AC switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milli-ampere. Reverse the instrument power cord plug in the outlet and repeat the test.



ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the Liquid Crystal Panel.

3. **Design Alteration Warning -** Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions, including, but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions will void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.
4. **Hot Chassis Warning -**
   a. Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and maybe safety-serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. To confirm that the AC power plug is inserted correctly, with an AC voltmeter, measure between the chassis and a known earth ground. If a voltage reading in excess of 1.0 V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground.
   b. Some TV receiver chassis normally have 85V AC(RMS) between chassis and earth ground regardless of the AC plug polarity. This chassis can be safety-serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection.
   c. Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulation material that must not be defeated or altered.
5. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: a. near sharp edges, b. near thermally hot parts-be sure that leads and components do not touch thermally hot parts, c. the AC supply, d. high voltage, and, e. antenna wiring. Always inspect in all areas for pinched, out of place, or frayed wiring. Check AC power cord for damage.
6. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.
7. **Product Safety Notice -** Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by a ⚠ on schematics and in parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. The product's safety is under review continuously and new instructions are issued whenever appropriate. Prior to shipment from the factory, our products are strictly inspected to confirm they comply with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

A. Parts identified by the ⚠ symbol are critical for safety.
Replace only with part number specified.

B. In addition to safety, other parts and assemblies are specified for conformance with regulations applying to spurious radiation. These must also be replaced only with specified replacements.
Examples: RF converters, RF cables, noise blocking capacitors, and noise blocking filters, etc.

C. Use specified internal wiring. Note especially:

1) Wires covered with PVC tubing
2) Double insulated wires
3) High voltage leads

D. Use specified insulating materials for hazardous live parts. Note especially:

1) Insulation Tape
2) PVC tubing
3) Spacers
4) Insulators for transistors.

E. When replacing AC primary side components (transformers, power cord, etc.), wrap ends of wires securely about the terminals before soldering.

F. Observe that the wires do not contact heat producing parts (heat sinks, oxide metal film resistors, fusible resistors, etc.)

G. Check that replaced wires do not contact sharp edged or pointed parts.

H. When a power cord has been replaced, check that 5~6 kg of force in any direction will not loosen it.

I. Also check areas surrounding repaired locations.

J. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

K. When connecting or disconnecting the internal connectors, first, disconnect the AC plug from the AC supply outlet.

L. When installing parts or assembling the cabinet parts, be sure to use the proper screws and tighten certainly.

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Clearance Distance

When replacing primary circuit components, confirm specified clearance distance (d) and (d') between soldered terminals, and between terminals and surrounding metallic parts. (See Fig. 1)

Table 1: Ratings for selected area

AC Line Voltage	Region	Clearance Distance (d), (d')
110 to 130 V	U.S.A. or Canada	≥ 3.2 mm (0.126 inches)

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

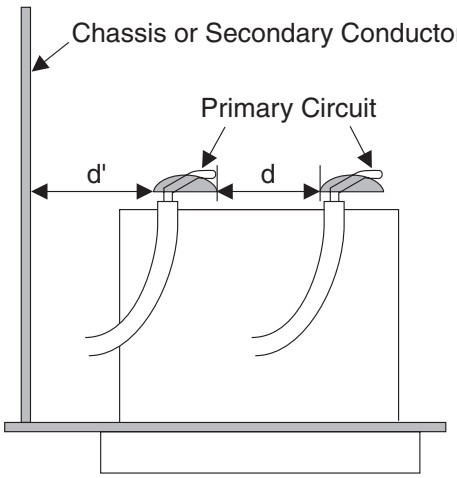


Fig. 1

2. Leakage Current Test

Confirm the specified (or lower) leakage current between B (earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.) is lower than or equal to the specified value in the table below.

Measuring Method: (Power ON)

Insert load Z between B (earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See Fig. 2 and following table.

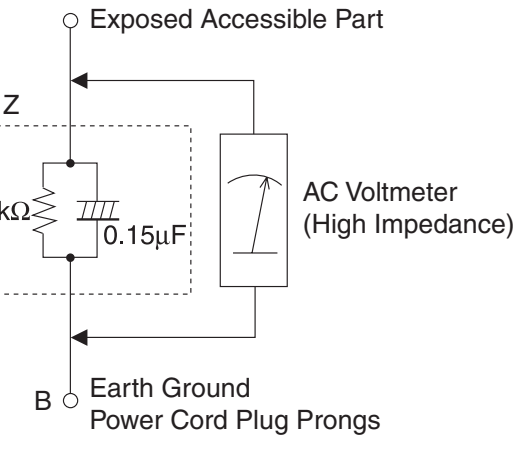


Fig. 2

Table 2: Leakage current ratings for selected areas

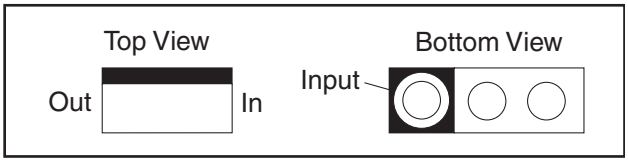
AC Line Voltage	Region	Load Z	Leakage Current (i)	Earth Ground (B) to:
110 to 130 V	U.S.A. or Canada	0.15 μF CAP. & 1.5 kΩ RES. Connected in parallel	i ≤ 0.5 mA rms	Exposed accessible parts

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

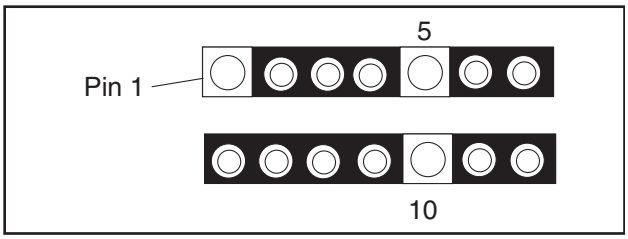
STANDARD NOTES FOR SERVICING

Circuit Board Indications

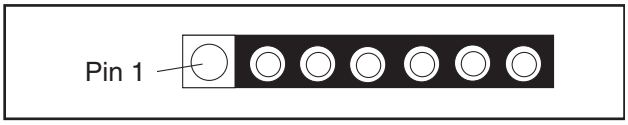
1. The output pin of the 3 pin Regulator ICs is indicated as shown.



2. For other ICs, pin 1 and every fifth pin are indicated as shown.

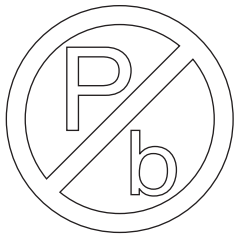


3. The 1st pin of every male connector is indicated as shown.



Pb (Lead) Free Solder

Pb free mark will be found on PCBs which use Pb free solder. (Refer to figure.) For PCBs with Pb free mark, be sure to use Pb free solder. For PCBs without Pb free mark, use standard solder.



Pb free mark

How to Remove / Install Flat Pack-IC

1. Removal

With Hot-Air Flat Pack-IC Desoldering Machine:

1. Prepare the hot-air flat pack-IC desoldering machine, then apply hot air to the Flat Pack-IC (about 5 to 6 seconds). (Fig. S-1-1)

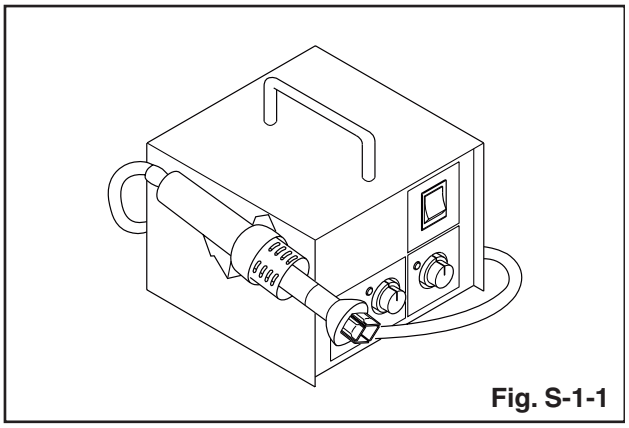


Fig. S-1-1

2. Remove the flat pack-IC with tweezers while applying the hot air.
3. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
4. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

CAUTION:

1. The Flat Pack-IC shape may differ by models. Use an appropriate hot-air flat pack-IC desoldering machine, whose shape matches that of the Flat Pack-IC.
2. Do not supply hot air to the chip parts around the flat pack-IC for over 6 seconds because damage to the chip parts may occur. Put masking tape around the flat pack-IC to protect other parts from damage. (Fig. S-1-2)

3. The flat pack-IC on the CBA is affixed with glue, so be careful not to break or damage the foil of each pin or the solder lands under the IC when removing it.

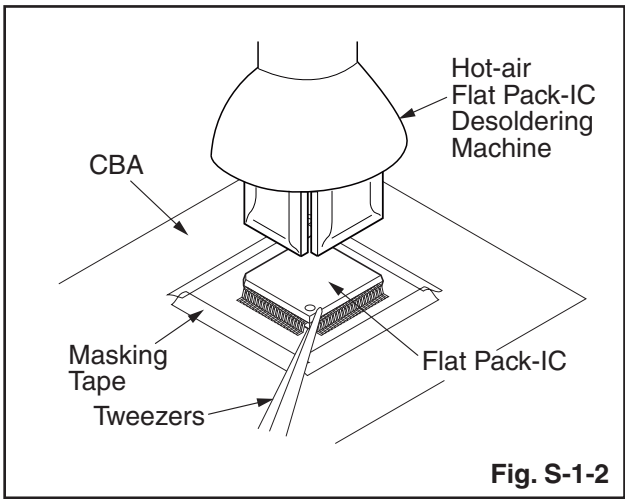


Fig. S-1-2

With Soldering Iron:

1. Using desoldering braid, remove the solder from all pins of the flat pack-IC. When you use solder flux which is applied to all pins of the flat pack-IC, you can remove it easily. (Fig. S-1-3)

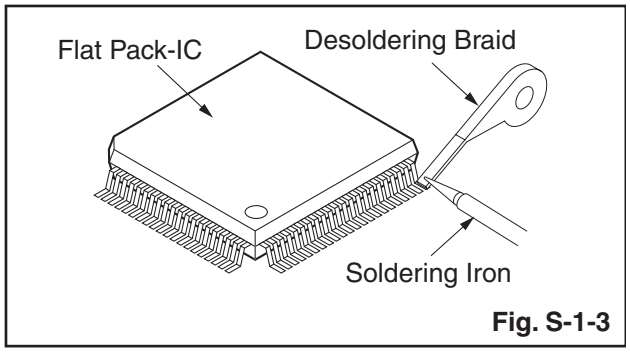


Fig. S-1-3

2. Lift each lead of the flat pack-IC upward one by one, using a sharp pin or wire to which solder will not adhere (iron wire). When heating the pins, use a fine tip soldering iron or a hot air desoldering machine. (Fig. S-1-4)

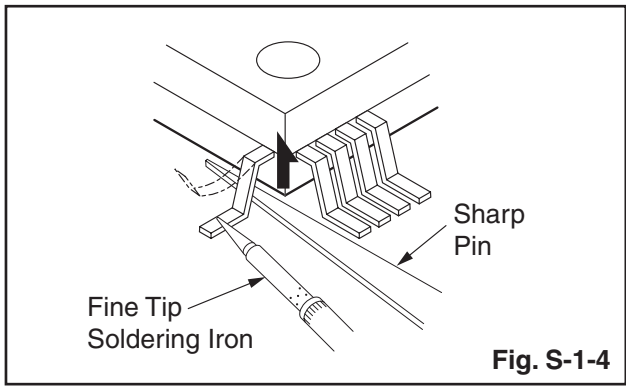


Fig. S-1-4

3. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
4. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

With Iron Wire:

1. Using desoldering braid, remove the solder from all pins of the flat pack-IC. When you use solder flux which is applied to all pins of the flat pack-IC, you can remove it easily. (Fig. S-1-3)
2. Affix the wire to a workbench or solid mounting point, as shown in Fig. S-1-5.
3. While heating the pins using a fine tip soldering iron or hot air blower, pull up the wire as the solder melts so as to lift the IC leads from the CBA contact pads as shown in Fig. S-1-5.
4. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
5. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

Note: When using a soldering iron, care must be taken to ensure that the flat pack-IC is not being held by glue. When the flat pack-IC is removed from the CBA, handle it gently because it may be damaged if force is applied.

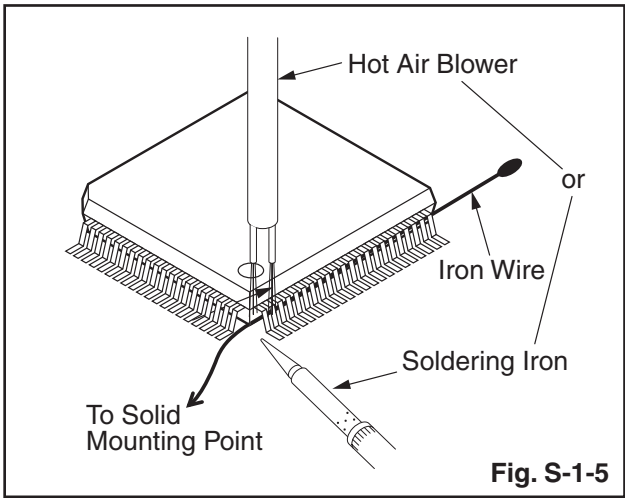


Fig. S-1-5

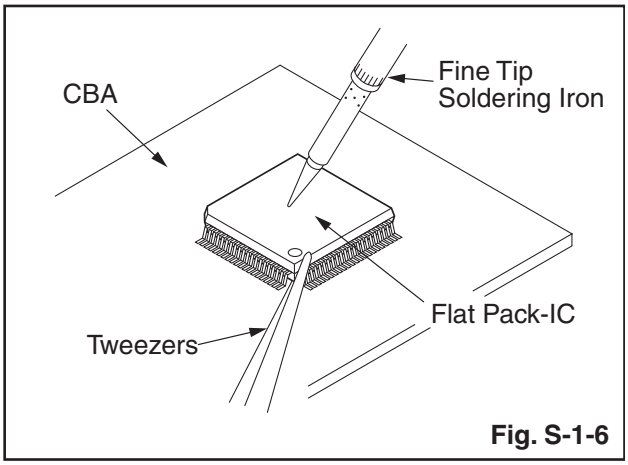


Fig. S-1-6

2. Installation

1. Using desoldering braid, remove the solder from the foil of each pin of the flat pack-IC on the CBA so you can install a replacement flat pack-IC more easily.
2. The "●" mark on the flat pack-IC indicates pin 1. (See Fig. S-1-7.) Be sure this mark matches the pin 1 on the PCB when positioning for installation. Then presolder the four corners of the flat pack-IC. (See Fig. S-1-8.)
3. Solder all pins of the flat pack-IC. Be sure that none of the pins have solder bridges.

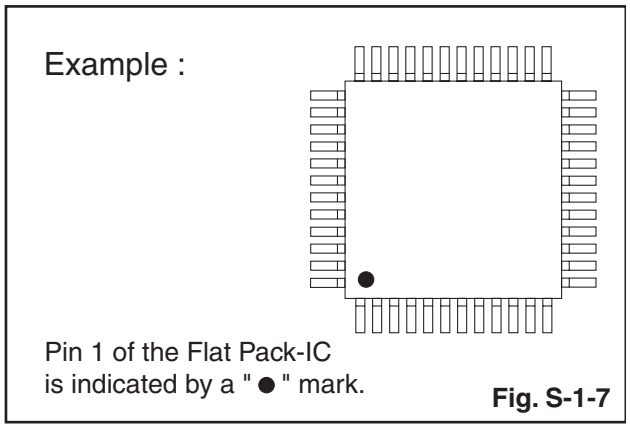


Fig. S-1-7

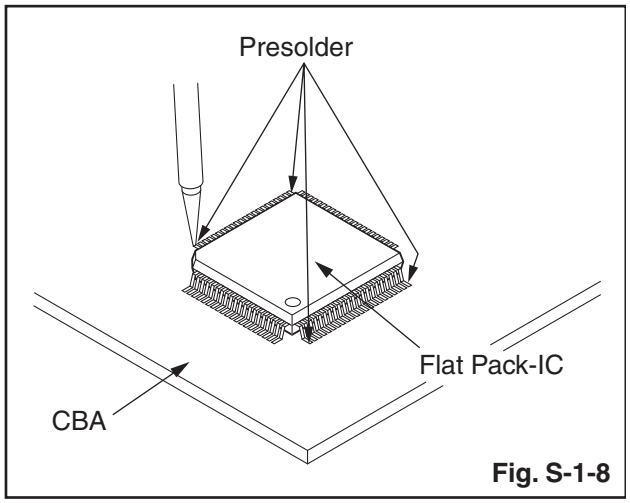


Fig. S-1-8

Instructions for Handling Semi-conductors

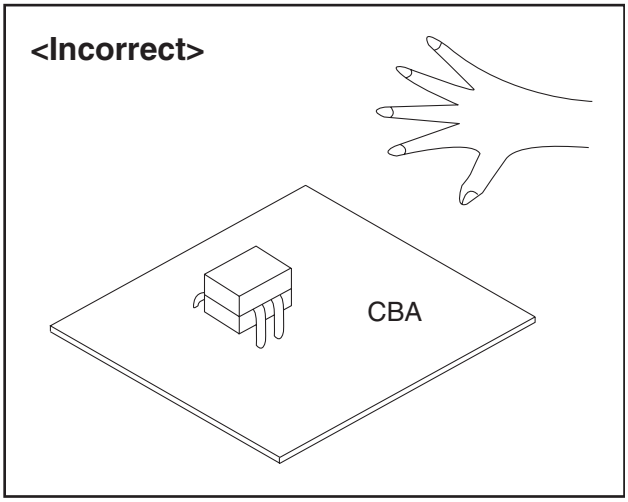
Electrostatic breakdown of the semi-conductors may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

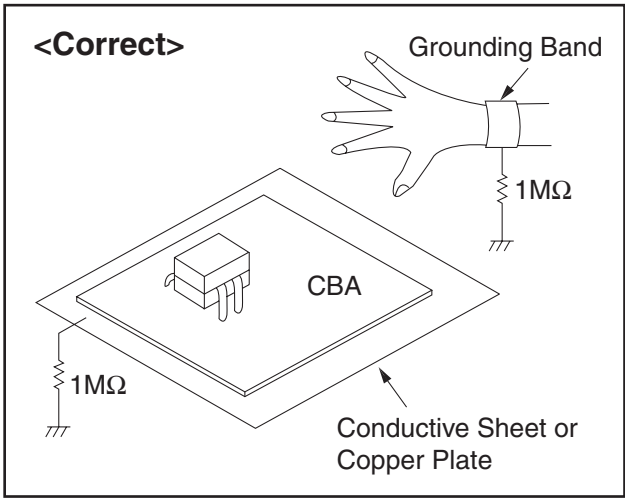
1. Ground for Human Body

Be sure to wear a grounding band (1 MΩ) that is properly grounded to remove any static electricity that may be charged on the body.

2. Ground for Workbench

Be sure to place a conductive sheet or copper plate with proper grounding (1 MΩ) on the workbench or other surface, where the semi-conductors are to be placed. Because the static electricity charge on clothing will not escape through the body grounding band, be careful to avoid contacting semi-conductors with your clothing.

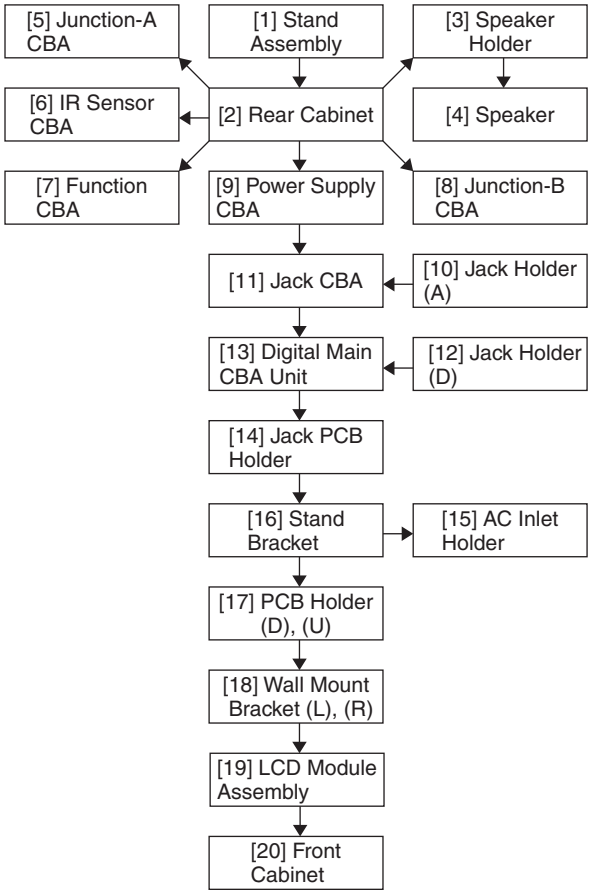




CABINET DISASSEMBLY INSTRUCTIONS
[40MF430B/F7 (Serial No. : DS1A), LC407SS1 (Serial No. : DS1A, DS2A), LC407EM1]

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.



2. Disassembly Method

Step/ Loc. No.	Part	Removal		
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Unclamp/ Desolder	Note
[1]	Stand Assembly	D1	4(S-1), 2(S-2)	---
[2]	Rear Cabinet	D1	20(S-3), 2(S-4), 5(S-5), (S-6)	---
[3]	Speaker Holder	D2 D5	4(S-7), *CN2801, *CN2802	---
[4]	Speaker	D2	----------	---
[5]	Junction-A CBA	D2 D5	*CN2104, *WH2153	---
[6]	IR Sensor CBA	D2 D5	(S-8), *WH2152	---
[7]	Function CBA	D2 D5	----------	---
[8]	Junction-B CBA	D3 D5	*CN1802, *WH2101	---
[9]	Power Supply CBA	D3 D5	9(S-9), *CN1601, *CN1801, *CN1914	---
[10]	Jack Holder(A)	D3	(S-10)	---
[11]	Jack CBA	D3 D5	5(S-11), *CN2102, *CN2103	---
[12]	Jack Holder(D)	D3	(S-12)	---
[13]	Digital Main CBA Unit	D3 D5	6(S-13), 4(S-14), *CN3901, Shield Box(Z)	---
[14]	Jack PCB Holder	D4	2(S-15), (S-16)	---
[15]	AC Inlet Holder	D4	2(S-17)	---
[16]	Stand Bracket	D4	4(S-18), 4(S-19)	---
[17]	PCB Holder (D), (U)	D4	6(S-20)	---
[18]	Wall Mount Bracket (L), (R)	D4	4(S-21)	---
[19]	LCD Module Assembly	D4	2(S-22)	---
[20]	Front Cabinet	D4	----------	---

(1) (2) (3) (4) (5)

Note:

(1) Order of steps in procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the Identification (location) No. of parts in figures.
(2) Parts to be removed or installed.
(3) Fig. No. showing procedure of part location
(4) Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.
P = Spring, L = Locking Tab, S = Screw,
H = Hex Screw, CN = Connector
* = Unhook, Unlock, Release, Unplug, or Desolder
e.g. 2(S-2) = two Screws (S-2),
2(L-2) = two Locking Tabs (L-2)
(5) Refer to the following "Reference Notes in the Table."

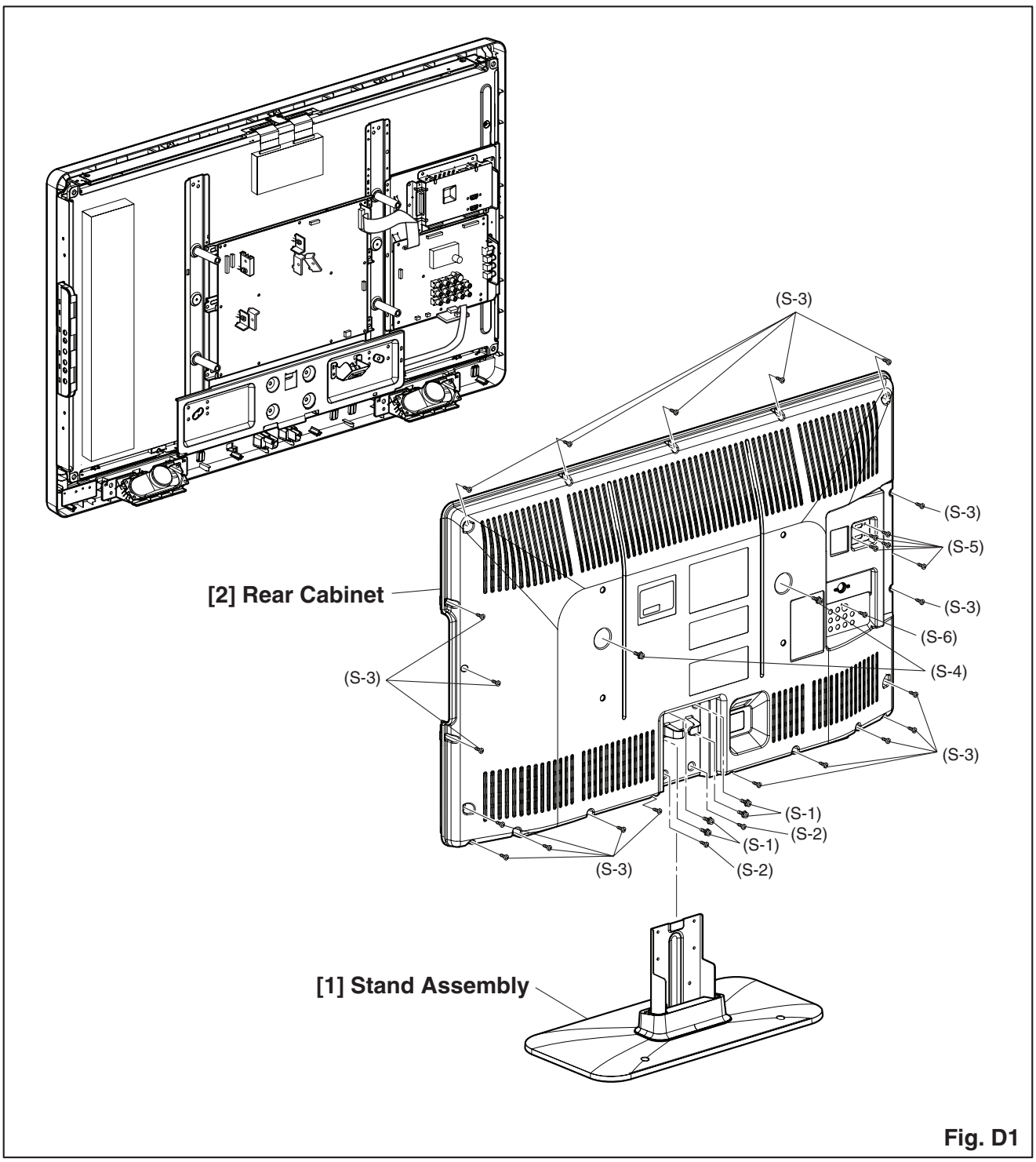


Fig. D1

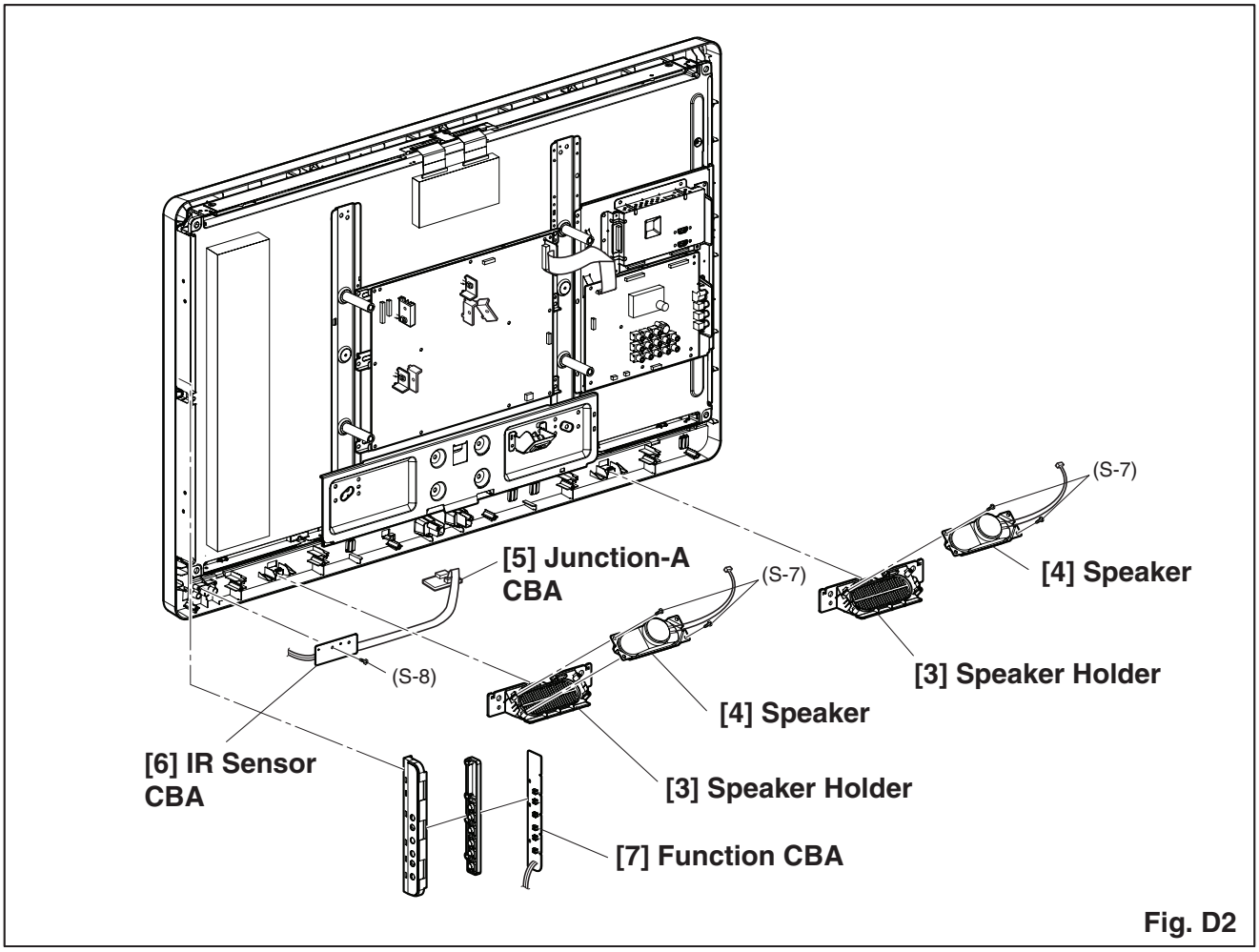

(S-7)
[4] Speaker
[5] Junction-A CBA
(S-7)
(S-8)
[3] Speaker Holder
[4] Speaker
[6] IR Sensor CBA
[3] Speaker Holder
[7] Function CBA

Fig. D2

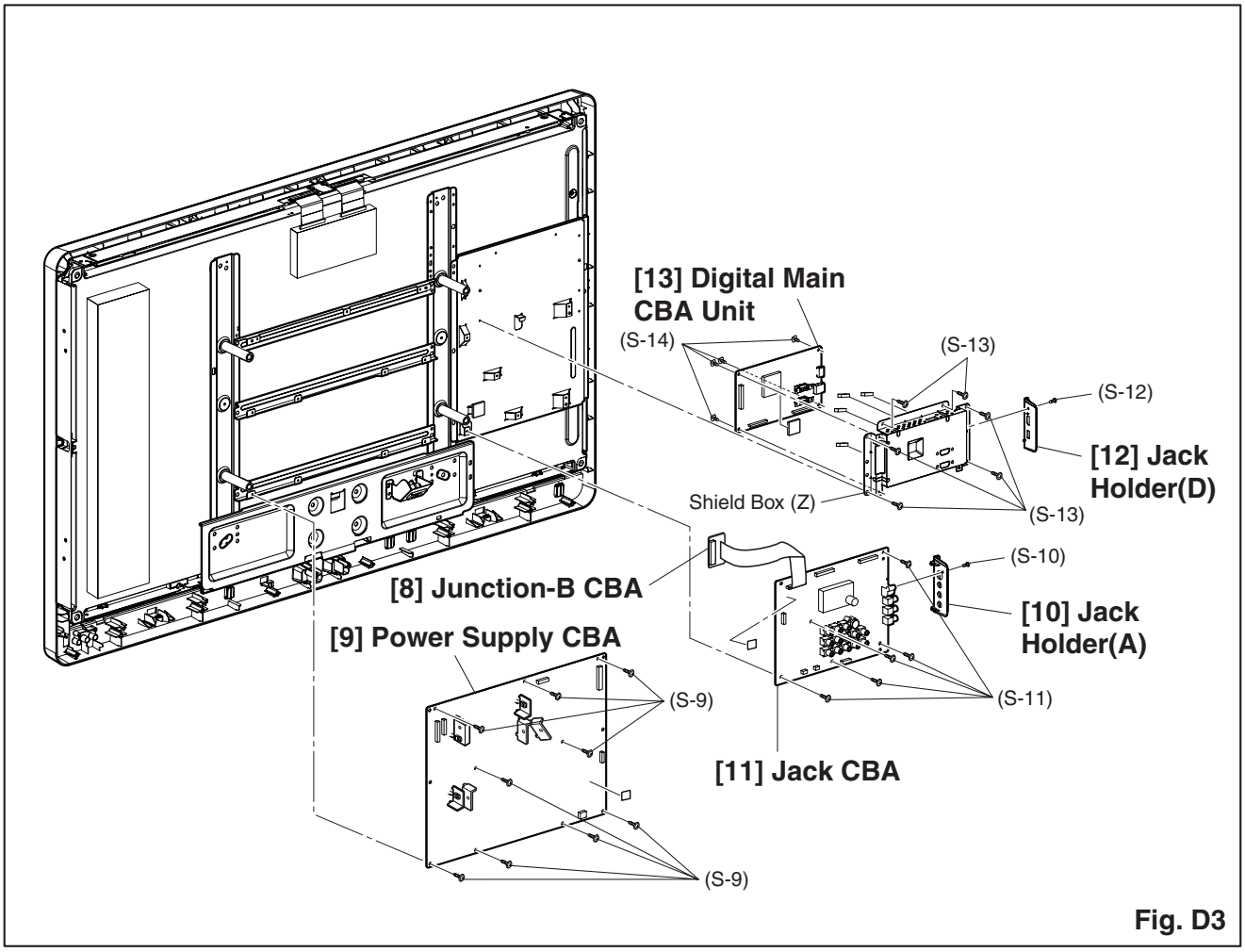

[13] Digital Main
CBA Unit
(S-14)
(S-13)
(S-12)
[12] Jack
Holder(D)
Shield Box (Z)
(S-13)
(S-10)
[8] Junction-B CBA
[10] Jack
Holder(A)
[9] Power Supply CBA
(S-9)
(S-11)
[11] Jack CBA
(S-9)

Fig. D3

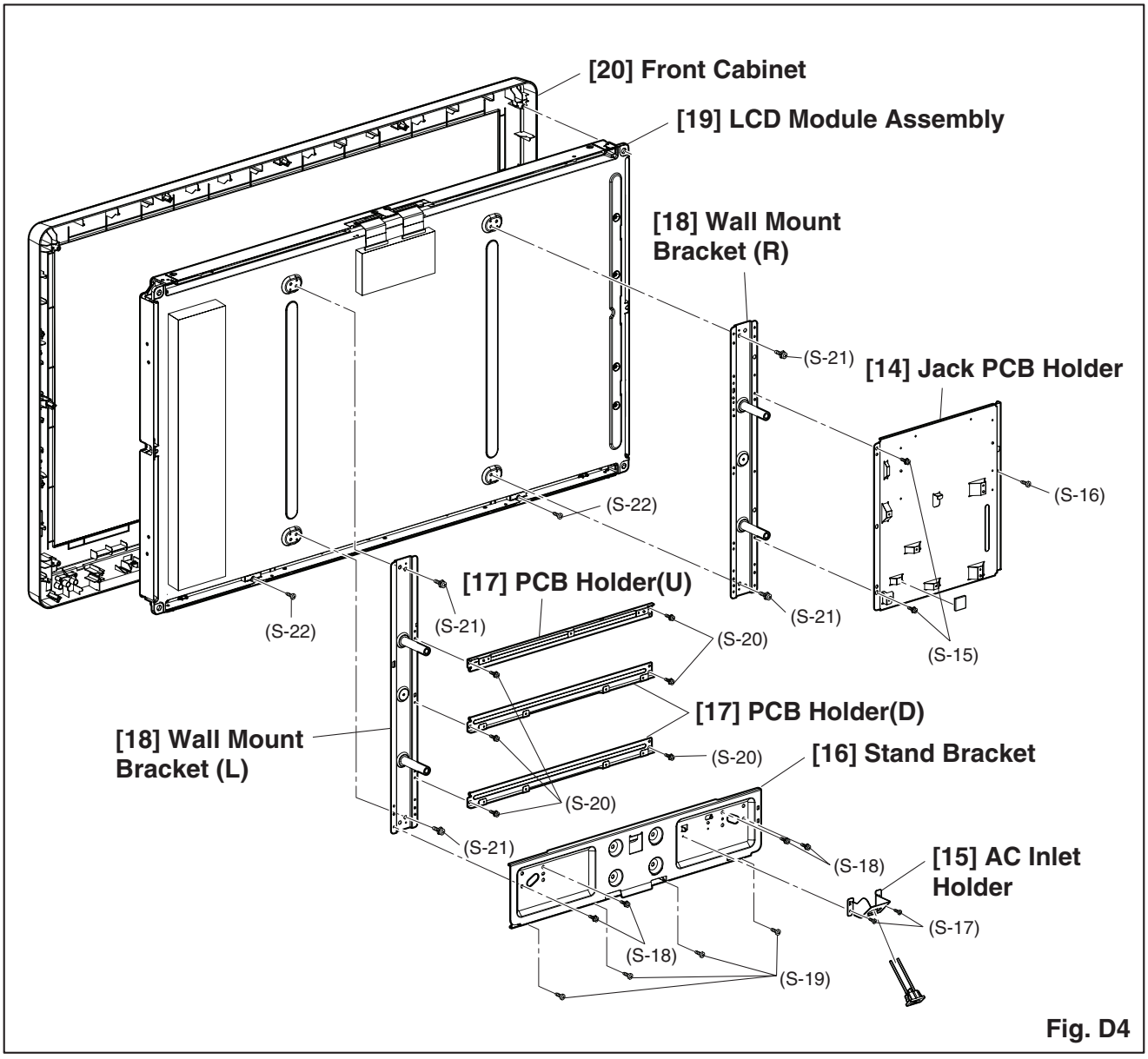

[20] Front Cabinet
[19] LCD Module Assembly
[18] Wall Mount Bracket (R)
(S-21)
[14] Jack PCB Holder
(S-16)
(S-22)
(S-22)
[17] PCB Holder(U)
(S-21)
(S-21)
(S-20)
(S-15)
[17] PCB Holder(D)
[18] Wall Mount Bracket (L)
(S-20)
[16] Stand Bracket
(S-20)
(S-21)
(S-18)
[15] AC Inlet Holder
(S-17)
(S-18)
(S-19)

Fig. D4

TV Cable Wiring Diagram

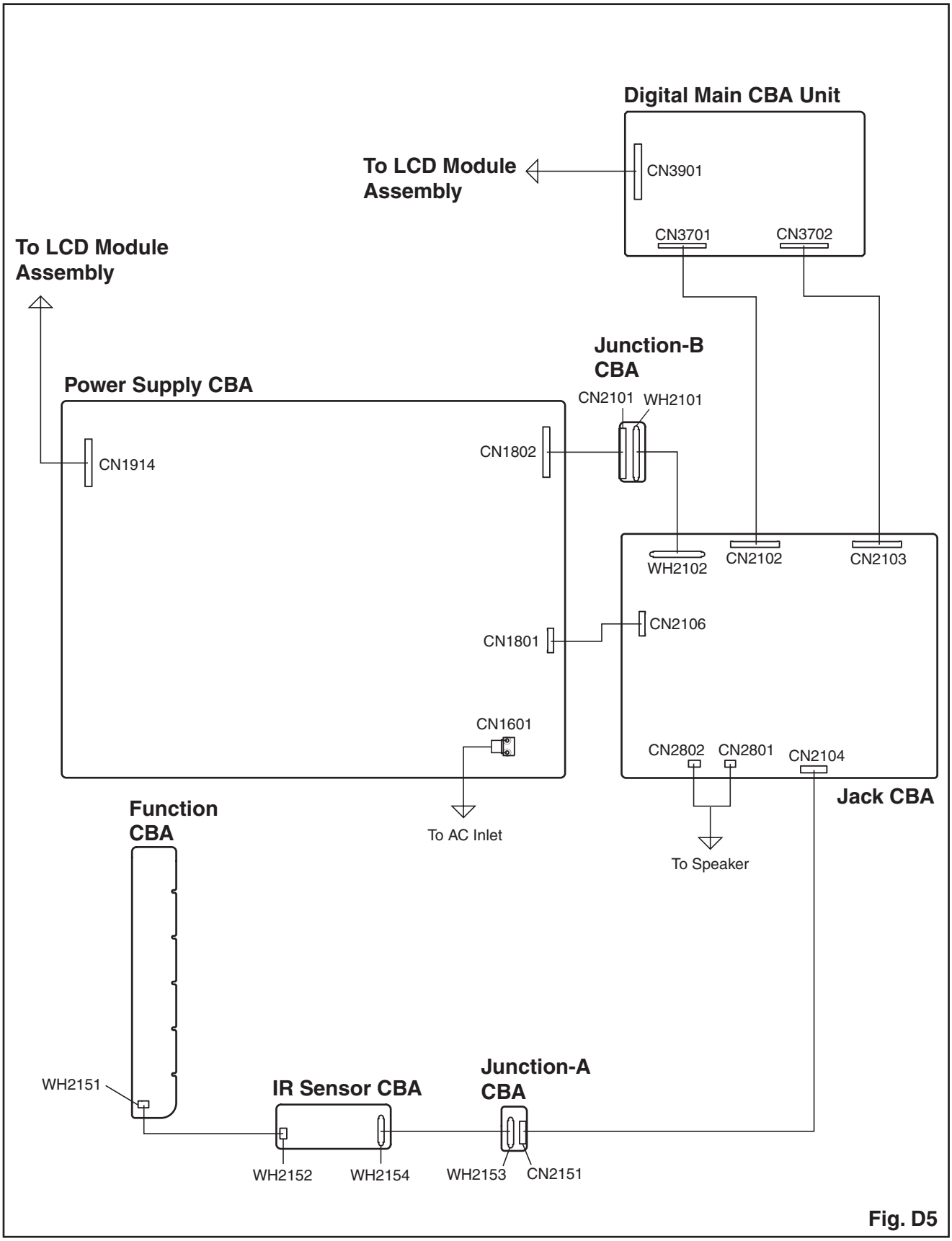
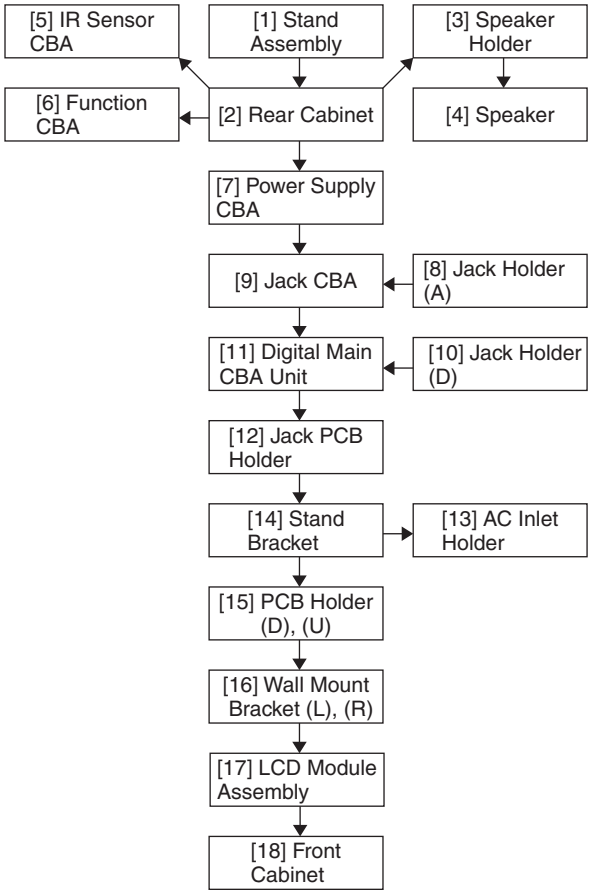


Fig. D5

CABINET DISASSEMBLY INSTRUCTIONS [40MF430B/F7 (Serial No. : DS2A), LC407SS1 (Serial No. : DS3A)]

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.



2. Disassembly Method

Step/ Loc. No.	Part	Removal		Note
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Unclamp/ Desolder	
[1]	Stand Assembly	D1	4(S-1), 2(S-2)	---
[2]	Rear Cabinet	D1	20(S-3), 2(S-4), 5(S-5), (S-6)	---
[3]	Speaker Holder	D2 D5	4(S-7), *CN2801, *CN2802	---
[4]	Speaker	D2	----------	---
[5]	IR Sensor CBA	D2 D5	(S-8), *CN2104, *WH2152	---
[6]	Function CBA	D2 D5	----------	---
[7]	Power Supply CBA	D3 D5	9(S-9), *CN1601, *CN1801, *CN1802, *CN1914	---
[8]	Jack Holder(A)	D3	(S-10)	---
[9]	Jack CBA	D3 D5	5(S-11), *CN2102, *CN2103	---
[10]	Jack Holder(D)	D3	(S-12)	---
[11]	Digital Main CBA Unit	D3 D5	6(S-13), 4(S-14), *CN3901, Shield Box(Z)	---
[12]	Jack PCB Holder	D4	2(S-15), (S-16)	---
[13]	AC Inlet Holder	D4	2(S-17)	---
[14]	Stand Bracket	D4	4(S-18), 4(S-19)	---
[15]	PCB Holder (D), (U)	D4	6(S-20)	---
[16]	Wall Mount Bracket (L), (R)	D4	4(S-21)	---
[17]	LCD Module Assembly	D4	2(S-22)	---
[18]	Front Cabinet	D4	----------	---

(1) (2) (3) (4) (5)

Note:

(1) Order of steps in procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the Identification (location) No. of parts in figures.
(2) Parts to be removed or installed.
(3) Fig. No. showing procedure of part location
(4) Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.
P = Spring, L = Locking Tab, S = Screw,
H = Hex Screw, CN = Connector
* = Unhook, Unlock, Release, Unplug, or Desolder
e.g. 2(S-2) = two Screws (S-2),
2(L-2) = two Locking Tabs (L-2)
(5) Refer to the following "Reference Notes in the Table."

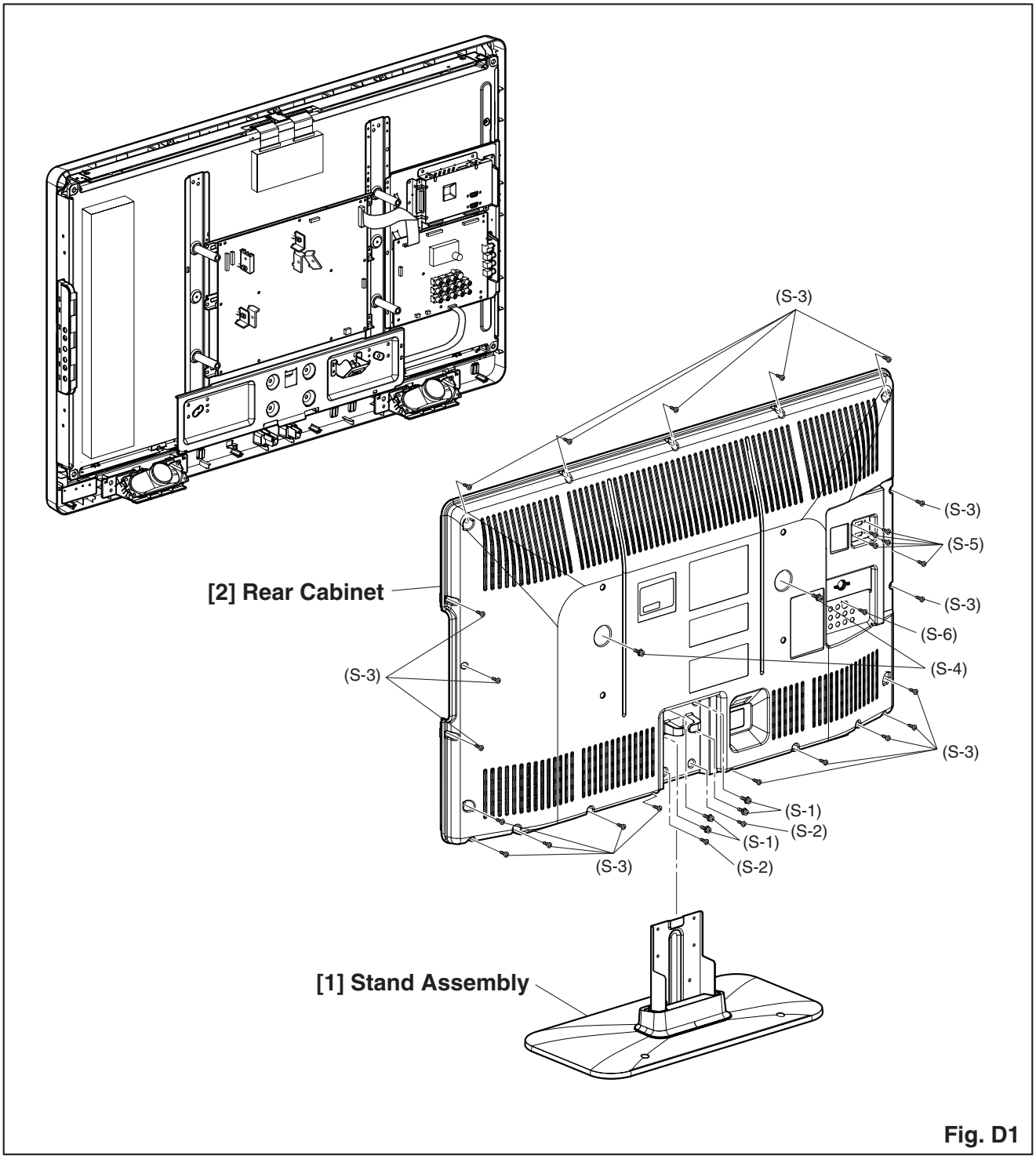


Fig. D1

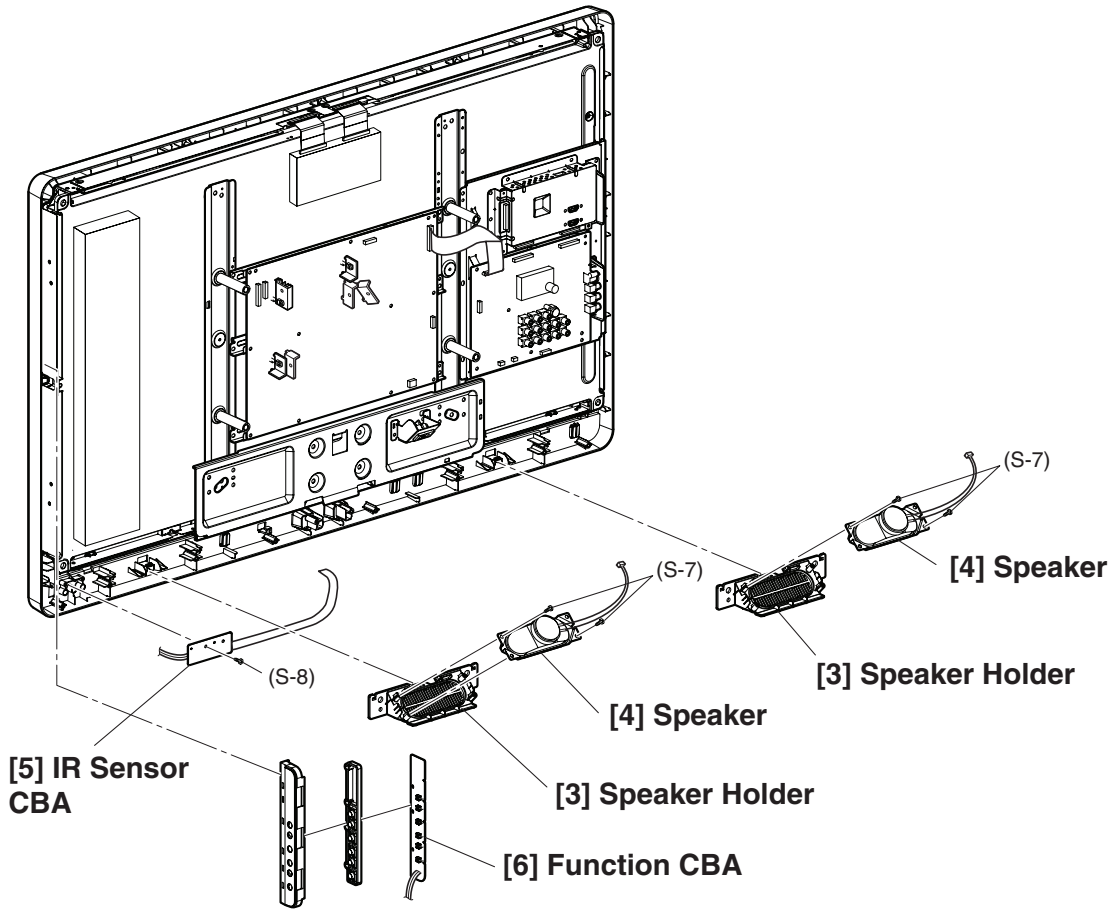

(S-7)
[4] Speaker
(S-7)
[3] Speaker Holder
(S-8)
[4] Speaker
[5] IR Sensor
CBA
[3] Speaker Holder
[6] Function CBA

Fig. D2

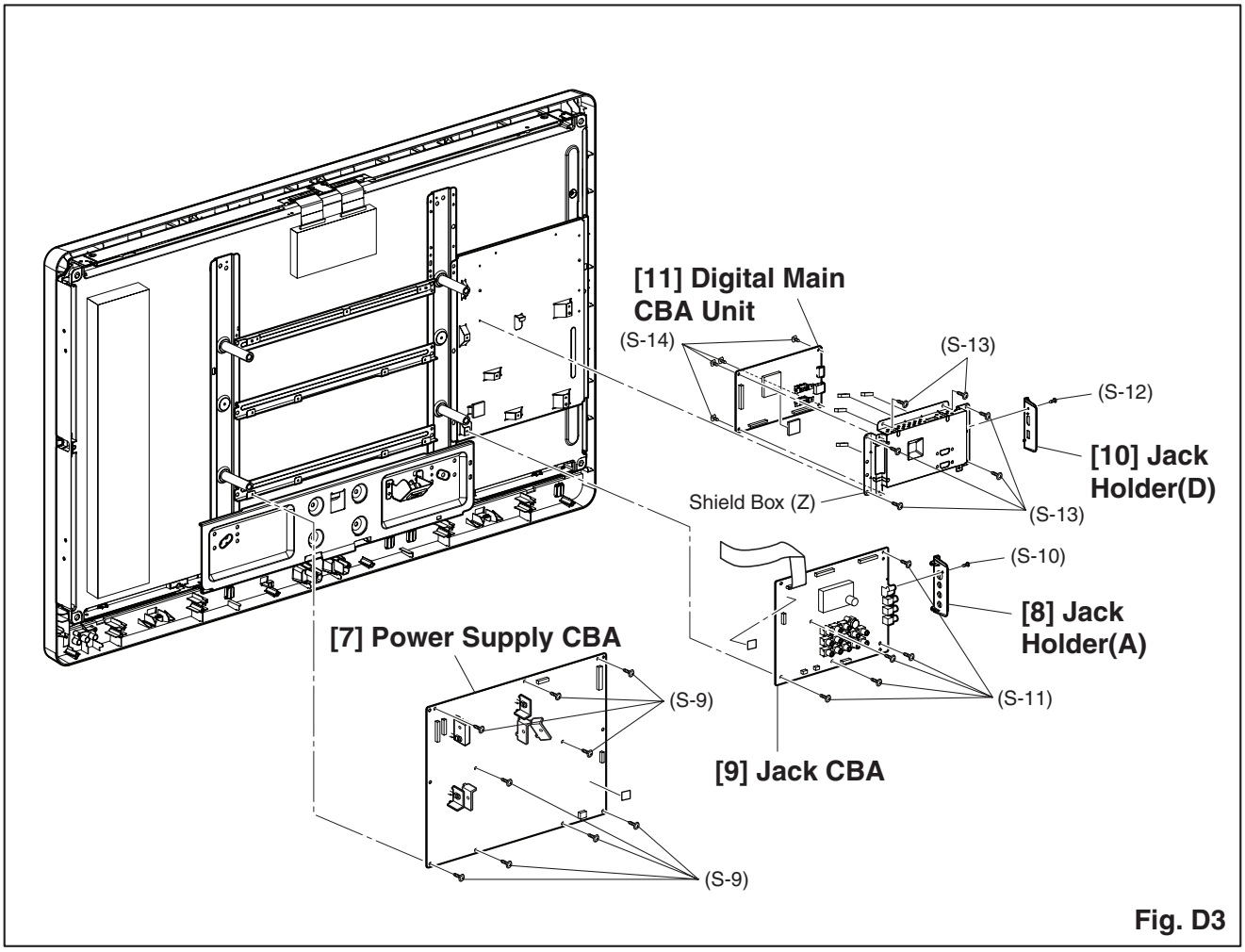

[11] Digital Main
CBA Unit
(S-14)
(S-13)
(S-12)
[10] Jack
Holder(D)
Shield Box (Z)
(S-13)
(S-10)
[8] Jack
Holder(A)
[7] Power Supply CBA
(S-9)
(S-11)
[9] Jack CBA
(S-9)

Fig. D3

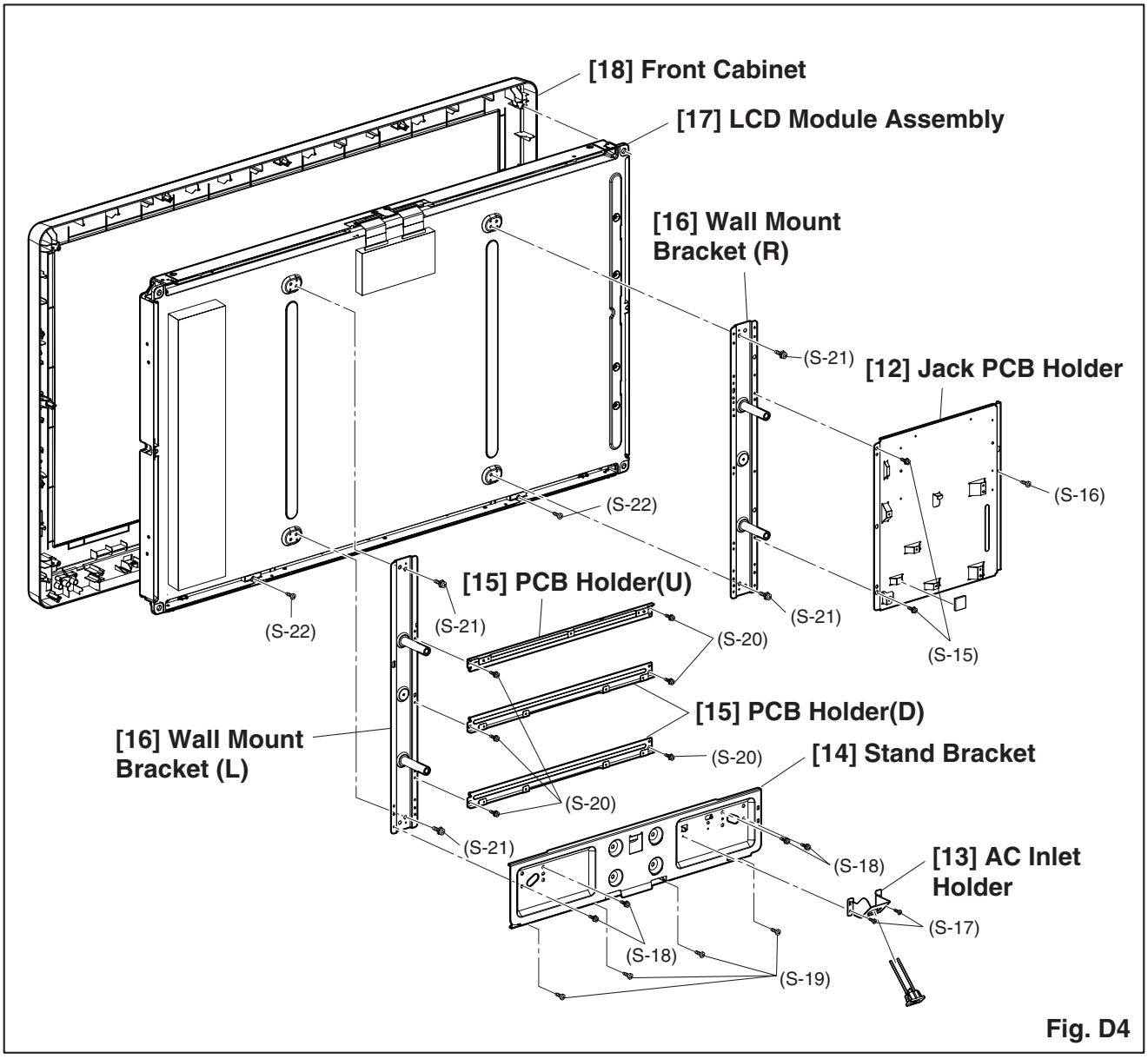

[18] Front Cabinet
[17] LCD Module Assembly
[16] Wall Mount Bracket (R)
(S-21)
[12] Jack PCB Holder
(S-16)
(S-22)
(S-22)
[15] PCB Holder(U)
(S-21)
(S-20)
(S-21)
(S-15)
[15] PCB Holder(D)
[16] Wall Mount Bracket (L)
(S-20)
[14] Stand Bracket
(S-20)
(S-21)
(S-18)
[13] AC Inlet Holder
(S-17)
(S-18)
(S-19)

Fig. D4

TV Cable Wiring Diagram

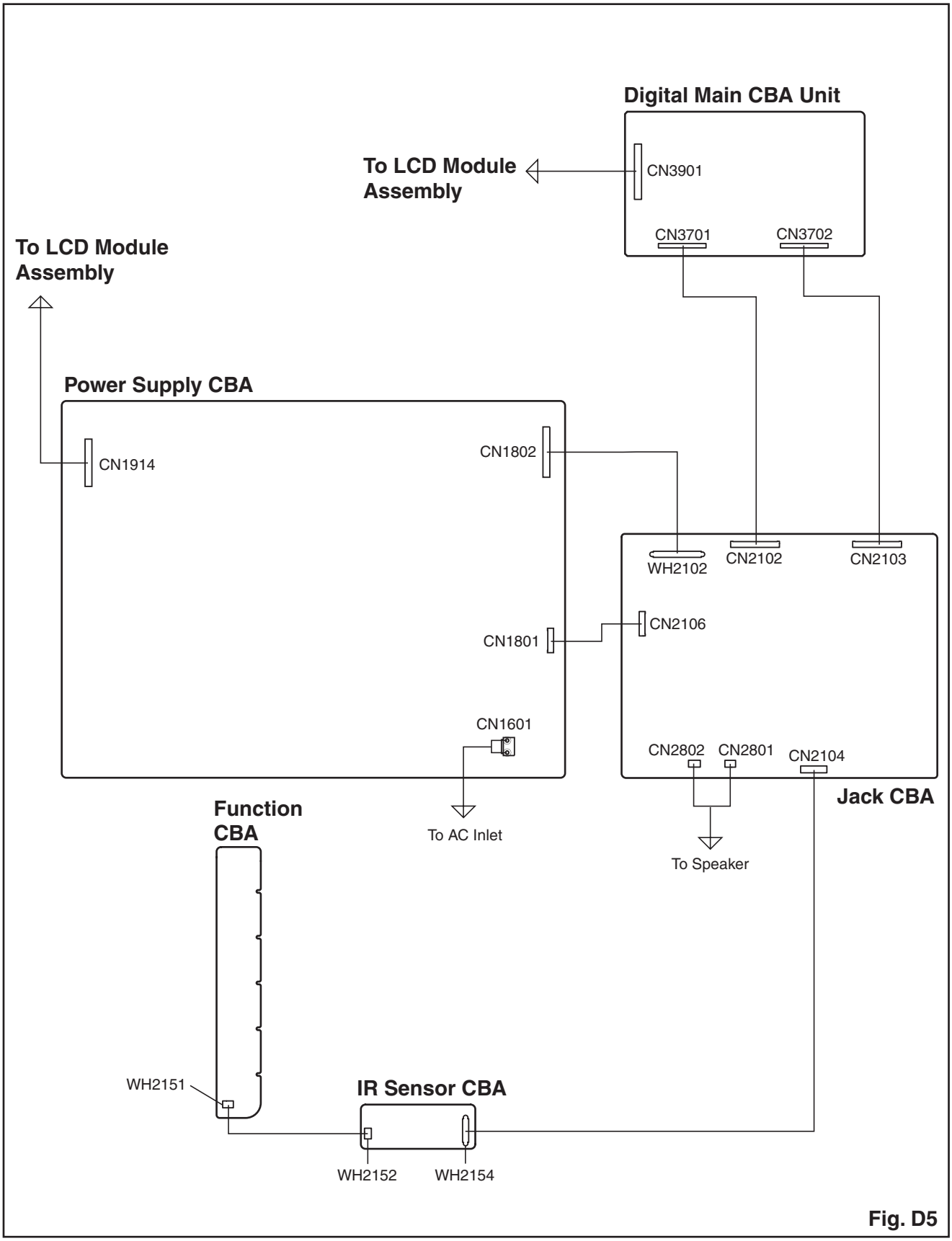


Fig. D5

ELECTRICAL ADJUSTMENT INSTRUCTIONS

General Note: “CBA” is abbreviation for “Circuit Board Assembly.”

Note: Electrical adjustments are required after replacing circuit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed.
Also, do not attempt these adjustments unless the proper equipment is available.

Test Equipment Required

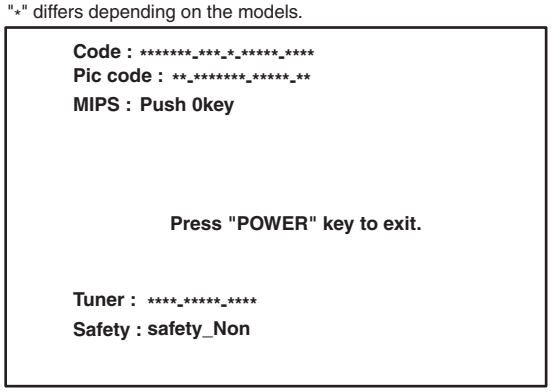
1. NTSC Pattern Generator (Color Bar W/White Window, Red Color, Dot Pattern, Gray Scale, Monoscope, Multi-Burst)
2. Remote control unit
3. Color Analyzer

How to set up the service mode:

Service mode:

1. Turn the power on.
2. Press [MENU] button to display Setup menu.
3. Select “Features”.
4. Select “Current Software Info”.
5. Press [0], [4], [2], [5], [7], [4] and [Info] buttons on the remote control unit in this order. The following screen appears.

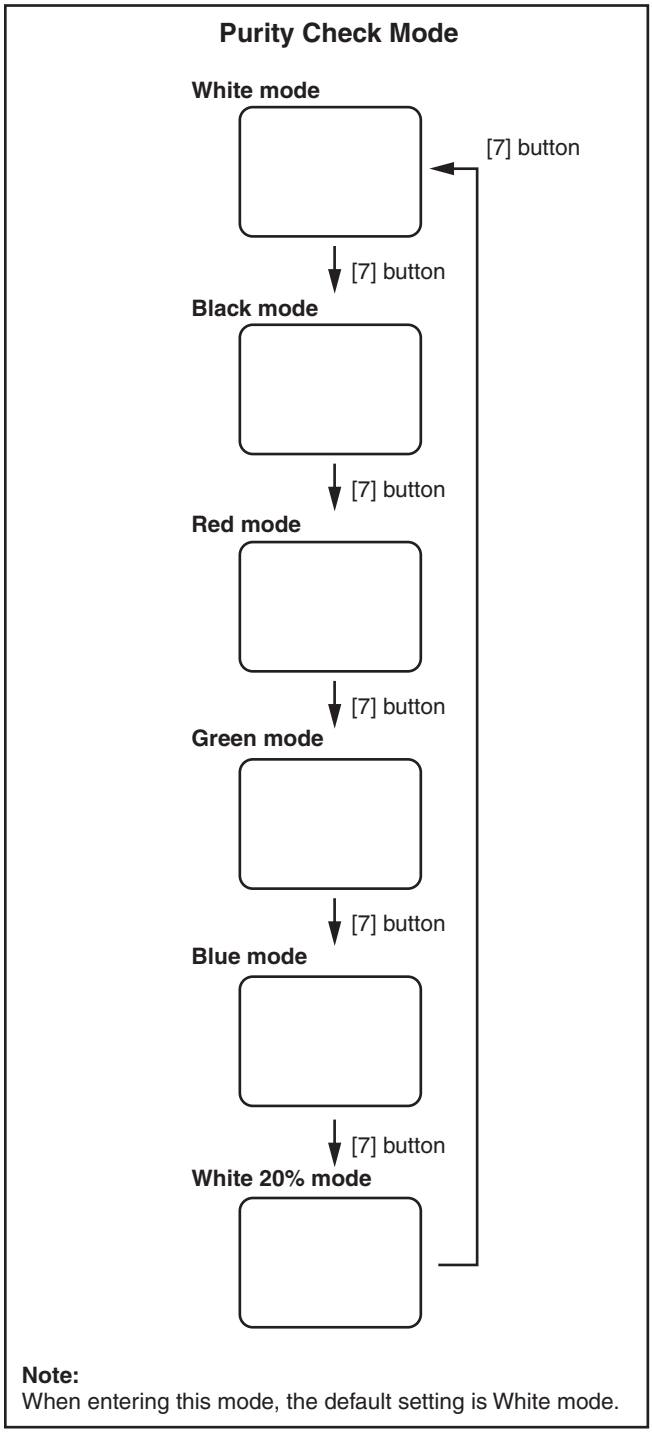
"⋆" differs depending on the models.



1. Purity Check Mode

This mode cycles through full-screen displays of red, green, blue, and white to check for non-active pixels.

1. Enter the Service mode.
2. Each time pressing [7] button on the remote control unit, the display changes as follows.



3. To cancel or to exit from the Purity Check Mode, press [PREV CH] button.

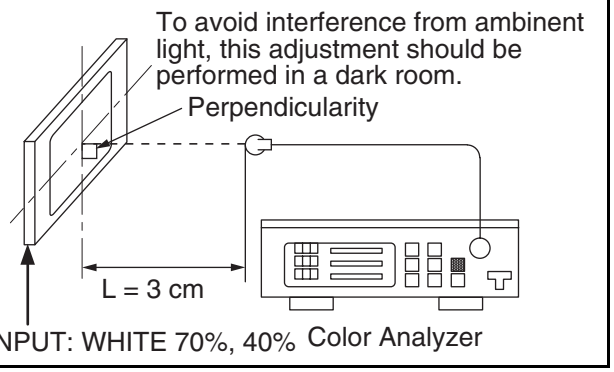
The White Balance Adjustment should be performed when replacing the LCD Panel or Digital Main CBA.

2. White Balance Adjustment

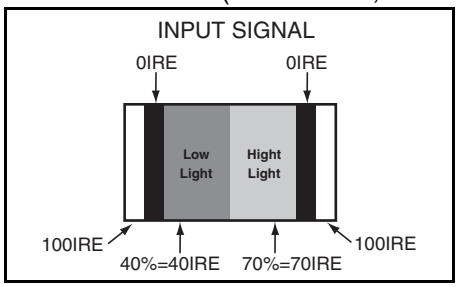
Purpose: To mix red, green and blue beams correctly for pure white.

Symptom of Misadjustment: White becomes bluish or reddish.

Test Point	Adj. Point	Mode	Input
Screen	[VOLUME DOWN] button	**[VIDEO1]** C/D	White Raster (APL 70%) or (APL 40%)
M. EQ.		**Spec.**	
Pattern Generator, Color analyzer		x= 0.272 ± 0.005 y= 0.278 ± 0.005	
Figure			



1. Operate the unit for more than 20 minutes.
2. Input the White Raster(70%=70IRE, 40%=40IRE).



3. Set the color analyzer to the CHROMA mode and bring the optical receptor to the center on the LCD-Panel surface after zero point calibration as shown above.
   Note: The optical receptor must be set perpendicularly to the LCD Panel surface.
4. Enter the Service mode. Press [VOLUME DOWN] button on the remote control unit and select “C/D” mode.
5. **[CUTOFF]**
   Press [1] button to select “COR” for Red Cutoff adjustment. Press [3] button to select “COB” for Blue Cutoff adjustment.
   [DRIVE]
   Press [4] button to select “DR” for Red Drive adjustment. Press [6] button to select “DB” for Blue Drive adjustment.
6. In each color mode, press [CHANNEL UP/DOWN] buttons to adjust the values of color.
7. Adjust Cutoff and Drive so that the color temperature becomes 12000°K (x= 0.272 / y= 0.278 ±0.005).
8. To cancel or to exit from the White Balance Adjustment, press [PREV CH] button.

HOW TO INITIALIZE THE LCD TV

The purpose of initialization is to place the set in a new out of box condition. The customer will be prompted to select a language and program channels after the set has been initialized.
To put the program back at the factory-default, initialize the LCD TV using the following procedure.

1. Turn the power on.
2. Enter the service mode.
   - To cancel the service mode, press [POWER] button on the remote control unit.
3. Press [INFO] button on the remote control unit to initialize the LCD television.
4. "INITIALIZED" will appear in the upper right of the screen. "INITIALIZED" color will change to green from red when initializing is completed.

FIRMWARE RENEWAL MODE

Equipment Required

a. USB storage device
b. Remote Control Unit

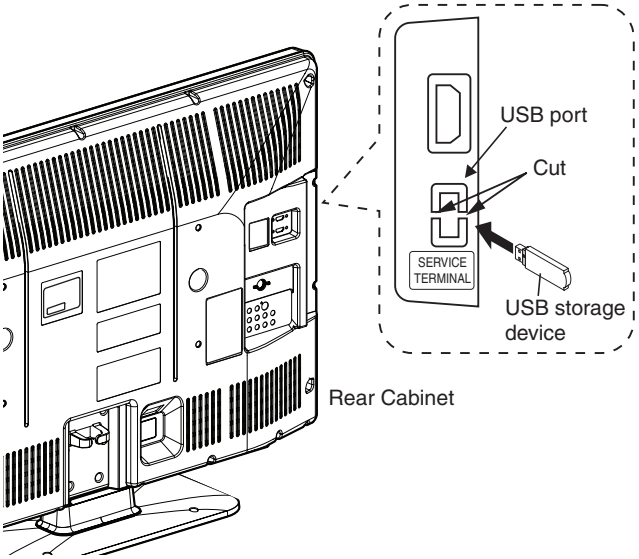
Firmware Update Procedure

Note: There are two states (the User Upgrade and the Factory Upgrade) in firmware update.

User Upgrade	Upgrade the firmware only. The setting values are not initialized.
Factory upgrade	Upgrade the firmware and initialize the setting values.

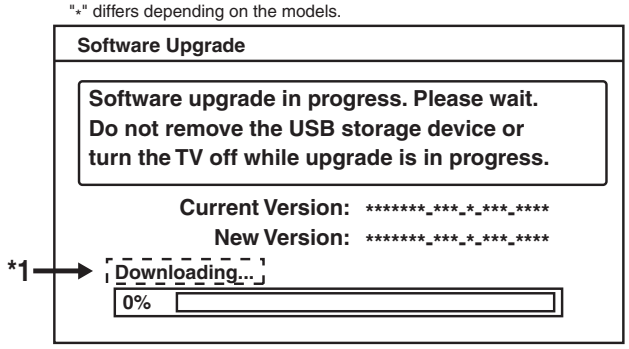
The identification of User Upgrade and Factory Upgrade are done by the filename.

1. Turn the power off and unplug the AC Cord.
2. Insert the USB storage device to the USB port as shown below.
   The USB port “SERVICE TERMINAL” will be blocked by a cross shaped piece of plastic. Cutoff both end of the plastic connected to the PCB Holder as illustrated below.



3. Plug the AC cord in the wall outlet and turn the power on.
4. The update will start and the following will appear on the screen.

"⋆" differs depending on the models.

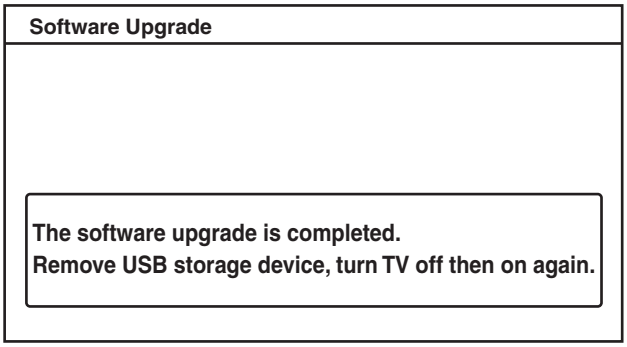


Note: If the above screen isn’t displayed, repeat from step 1.

The appearance shown in *1 is described as follows.

Appearance	State
Downloading...	Downloading the firmware from the USB storage device.
Writing...	Writing the downloaded firmware in flash memory.
Checking...	Checking the new firmware.

5. When the firmware update is completed, the following will appear on the screen.



Remove the USB storage device from the USB port.
Turn the power off and turn the power on again.

Note:

When the Factory Upgrade is used, after restarting TV, shift to initial screen menu in service mode. "INITIALIZED" will appear on the upper right of the screen. "INITIALIZED" color will change to green from red when initializing is completed.

TROUBLESHOOTING

[Power Supply Section]

FLOW CHART NO.1

The power cannot be turned on.

↓

Is the fuse (F1601) normal?

No → See FLOW CHART No.2 <The fuse blows out.>

↓ Yes

Is normal state restored when once unplugged power cord is plugged again several seconds?

No → Check if there is any leak or short-circuiting on the primary circuit component, and service it if defective. (D1201, D1202, D1203, D1204, IC1201, T1201)

↓ Yes

Is the AL+4.3V line voltage normal?

No → Check if there is any leak or short-circuiting on the primary circuit component, and service it if defective. (D1607, D1608, D1609, D1610, IC1401, IC1702, Q1601, Q1602, Q1701, Q1702, T1701)

↓ Yes

Is the PANEL+24V line voltage normal?

No → Check if there is any leak or short-circuiting on the primary circuit component, and service it if defective. (D1607, D1608, D1609, D1610, IC1401, Q601, Q602, Q1601, Q1602, T601)

↓ Yes

Is the LCD+12V line voltage normal?

No

↓ Yes

Check each rectifying circuit of the secondary circuit and service it if defective.

FLOW CHART NO.2

The fuse blows out.

↓

Check the presence that the primary component is leaking or shorted and service it if defective.

Check the presence that the rectifying diode or circuit is shorted in each rectifying circuit of secondary side, and service it if defective.

↓

After servicing, replace the fuse (F1601).

FLOW CHART NO.3

When the output voltage fluctuates.

↓

Does the photocoupler circuit on the secondary side operate normally?

No → Check D668, IC601 and their periphery circuit, and service it if defective.

↓ Yes

Check D607, D609, D615, IC601, IC1401, Q1601, Q1602, L1603, L1604 and their periphery, circuit and service it if defective.

FLOW CHART NO.4

When buzz sound can be heard in the vicinity of power circuit.

↓

Check if there is any short-circuit on the rectifying diode and the circuit in each rectifying circuit of the secondary side, and service it if defective. (D651, D656, D662, D665, D670, D672, D673, D1101, D1102, D1721, Q652, Q653)

FLOW CHART NO.5

AL+4.3V is not output.

↓

Is approximately +4.3V voltage supplied to the cathode of D1102?

No → Check C1102, D1102 and their periphery circuit, and service it if defective.

↓ Yes

Check if there is any leak or short-circuit on the loaded circuit, and service it if defective.

FLOW CHART NO.6

AL+3.3V is not output.

↓

Is approximately +4.3V voltage supplied to Pin(1) of IC2631?

No → Check C1102, D1102 and their periphery circuit, and service it if defective.

↓ Yes

Replace IC2631.

FLOW CHART NO.7

PANEL+24V is not output.

↓

Is approximately +24V voltage supplied to the cathode of D1721?

No → Check C1725, C1727, D1721 and their periphery circuit, and service it if defective.

↓ Yes

Check if there is any leak or short-circuit on the loaded circuit, and service it if defective.

FLOW CHART NO.8

TUNER+35V is not output.

↓

Is approximately +38V voltage supplied to the cathode of D651?

No → Check C652, D651, D652 and their periphery circuit, and service it if defective.

↓ Yes

Check D2638, R2655 and their periphery circuit, and service it if defective.

FLOW CHART NO.9

P-ON+7.5V is not output.

↓

Is approximately +8V voltage supplied to the cathode of D662?

No → Check C659, D662 and their periphery circuit, and service it if defective.

↓ Yes

Check if there is any leak or short-circuit on the loaded circuit, and service it if defective.

FLOW CHART NO.10

P-ON+5V is not output.

↓

Is approximately +8V voltage supplied to the collector of Q652?

No → Check C659, D662 and their periphery circuit, and service it if defective.

↓ Yes

Is approximately +6V voltage supplied to the base of Q652?

No → Check D664 and their periphery circuit, and service it if defective.

↓ Yes

Replace Q652.

FLOW CHART NO.11

P-ON+3.3V is not output.

↓

Is approximately +5V voltage supplied to the collector of Q653?

No → Check C663, D665 and their periphery circuit, and service it if defective.

↓ Yes

Is approximately +4V voltage supplied to the base of Q653?

No → Check D666 and their periphery circuit, and service it if defective.

↓ Yes

Replace Q653.

FLOW CHART NO.12

LCD+12V is not output.

↓

Is approximately +12V voltage supplied to the cathode of D672?

No → Check C657, D672, D673 and their periphery circuit, and service it if defective.

↓ Yes

Check if there is any leak or short-circuit on the loaded circuit, and service it if defective.

FLOW CHART NO.13

P-ON+3.5V is not output.

↓

Is approximately +3.5V voltage supplied to the cathode of D670?

No → Check C670, D670 and their periphery circuit, and service it if defective.

↓ Yes

Check if there is any leak or short-circuit on the loaded circuit, and service it if defective.

FLOW CHART NO.14

AMP+24V is not output.

↓

Is approximately +27V voltage supplied to the cathode of D656?

No → Check C654, D656, D657 and their periphery circuit, and service it if defective.

↓ Yes

Check if there is any leak or short-circuit on the loaded circuit, and service it if defective.

[Video Signal Section]

FLOW CHART NO.1

The key operation is not functioning.

↓

Are the contact point and installation state of the key switches (SW2151~SW2156) normal?

No → Re-install the switches (SW2151~SW2156) correctly or replace the poor switch.

↓ Yes

When pressing each switches (SW2151~SW2156) do the voltage of Pin(25) of CN2103 increase?

No → Check the switches (SW2151~SW2156) and their periphery, and service it if defective.

↓ Yes

Replace Digital Main CBA Unit.

FLOW CHART NO.2

No operation is possible from the remote control unit.

↓

Operation is possible from the unit.

↓

Is 3.3V voltage supplied to Pin(2) terminal of the remote control receiver (RS2151)?

No → Check AL+3.3V line and service it if defective.

↓ Yes

Is the "L" pulse sent out Pin(1) terminal of remote control receiver (RS2151) when the infrared remote control is activated?

No → Replace the remote control receiver(RS2151) or the remote control unit.

↓ Yes

Is the "L" pulse supplied to Pin(23) of CN2103?

No → Check the line between Pin(1) terminal of remote control receiver(RS2151) and Pin(23) of CN2103, and service it if defective.

↓ Yes

Replace Digital Main CBA Unit.

FLOW CHART NO.3

Picture does not appear normally. (EXT. input)

↓

Are the video signals inputted to each pin of IC2701?

IC2701	3PIN	VIDEO-IN 1
IC2701	1PIN	Y-IN 1
IC2701	9PIN	C-IN 1
IC2701	7PIN	VIDEO-IN 2
IC2701	5PIN	Y-IN 2
IC2701	11PIN	C-IN 2
IC2701	41PIN	COMPONENT-Y-IN
IC2701	45PIN	COMPONENT-Pb-IN
IC2701	50PIN	COMPONENT-Pr-IN

No →

Check the line between video input terminal and each pin of IC2701.

IC2701	3PIN	→ JK2703	VIDEO-IN 1
IC2701	1PIN	→ JK2702	Y-IN 1
IC2701	9PIN	→ JK2702	C-IN 1
IC2701	7PIN	→ JK2707	VIDEO-IN 2
IC2701	5PIN	→ JK2706	Y-IN 2
IC2701	11PIN	→ JK2706	C-IN 2
IC2701	41PIN	→ JK2714	COMPONENT-Y-IN
IC2701	45PIN	→ JK2715	COMPONENT-Pb-IN
IC2701	50PIN	→ JK2716	COMPONENT-Pr-IN

↓ Yes

Are the video signals outputted to each pin of IC2701?

IC2701	38PIN	CVBS/Y/S-Y
IC2701	36PIN	Pb
IC2701	34PIN	Pr/S-C

No →

Is 5V voltage supplied to the Pin(2, 29, 33, 39, 44) of IC2701?
Is 8V voltage supplied to the Pin(12) of IC2701?

↓ Yes

Replace IC2701.

↓ No

Check P-ON+5V, P-ON+8V line and service it if defective.

↓ Yes

Replace Digital Main CBA Unit or LCD Module Assembly.

FLOW CHART NO.4

Picture does not appear normally. (Tuner input)

↓

Are the DIF signal inputted to Pin(3, 4) of CN2102?

No →

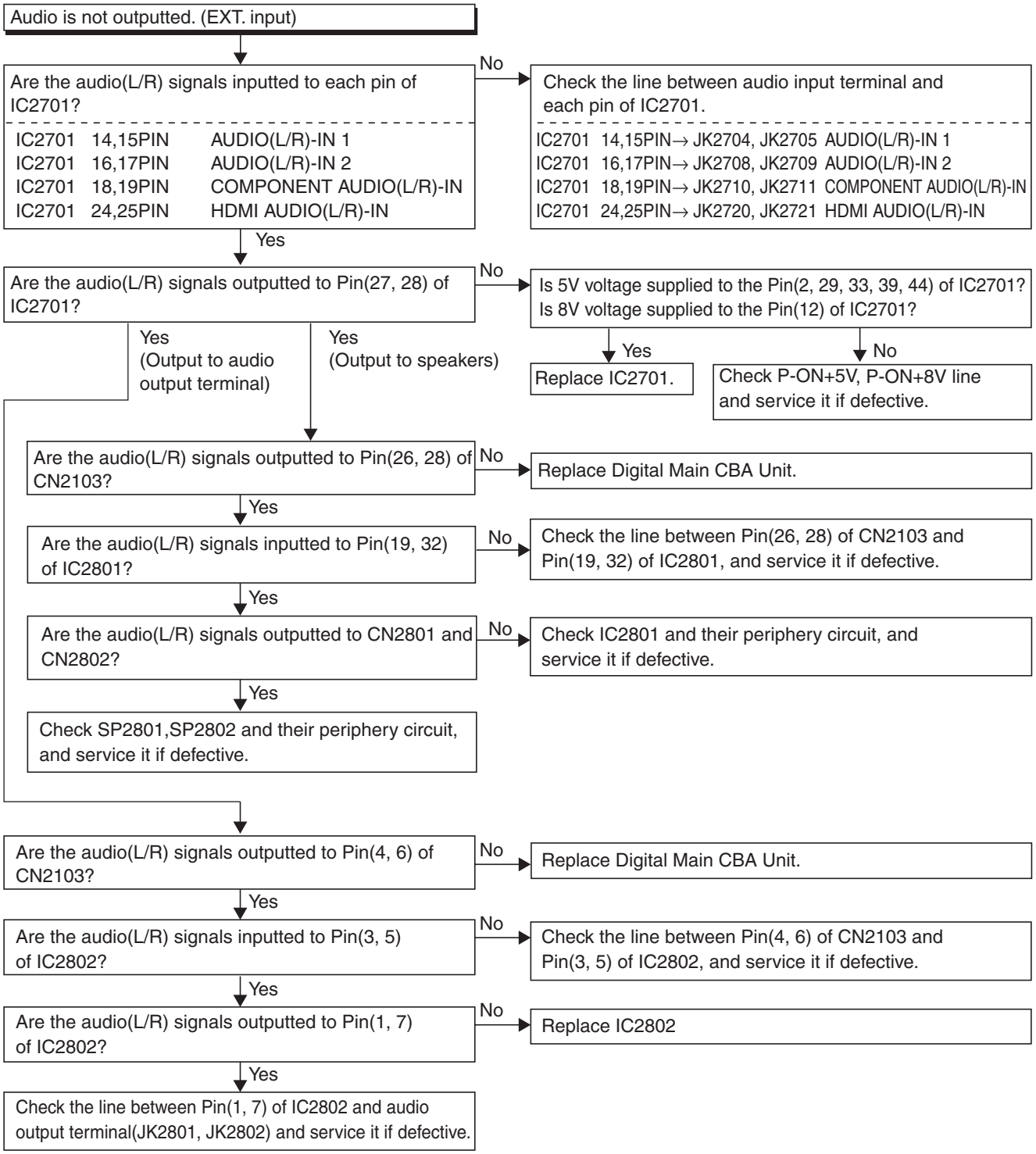
Check the line between Pin(3, 4) of CN2102 and TU2301, and service it if defective.

↓ Yes

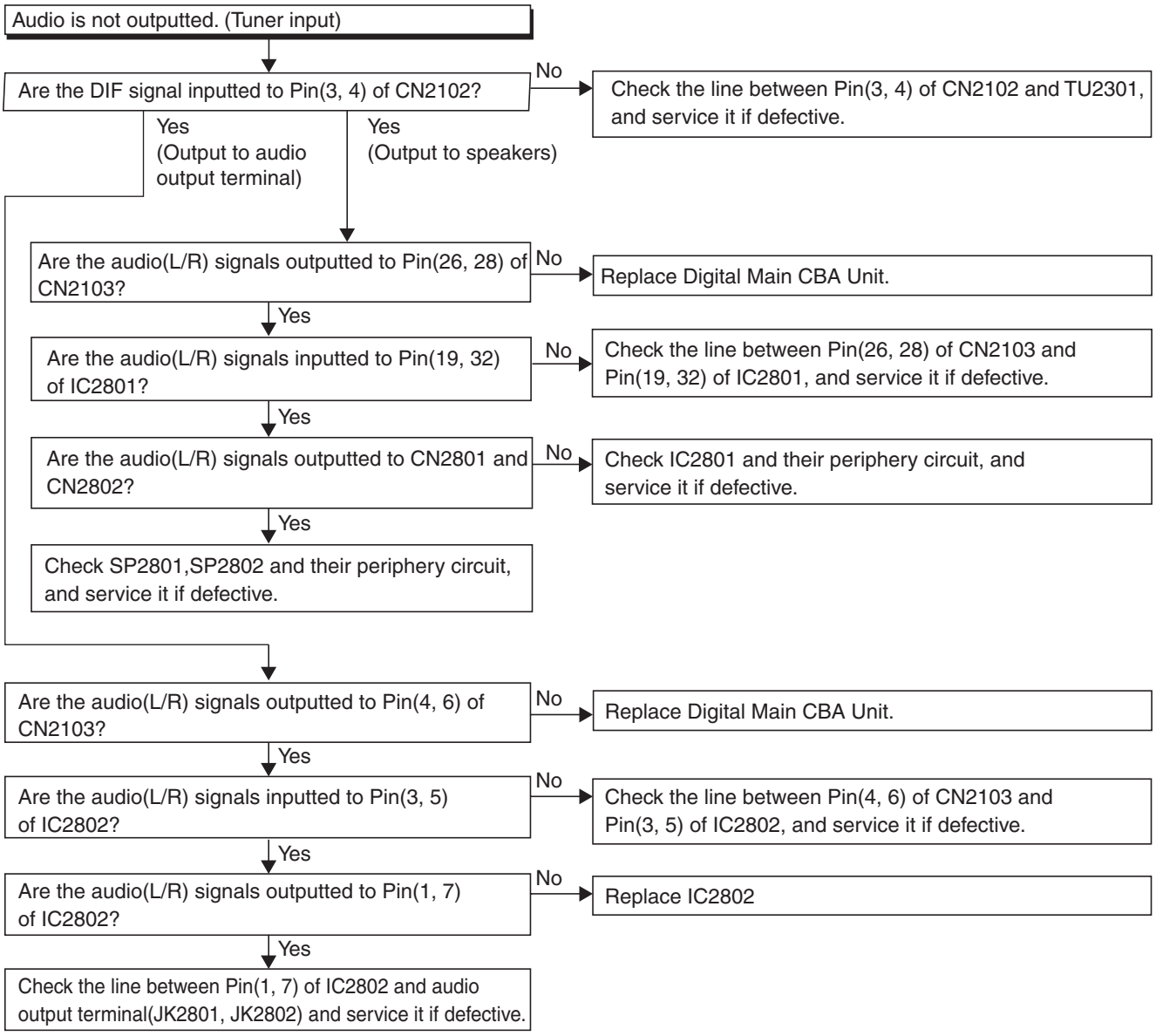
Replace Digital Main CBA Unit or LCD Module Assembly.

[Audio Signal Section]

FLOW CHART NO.1



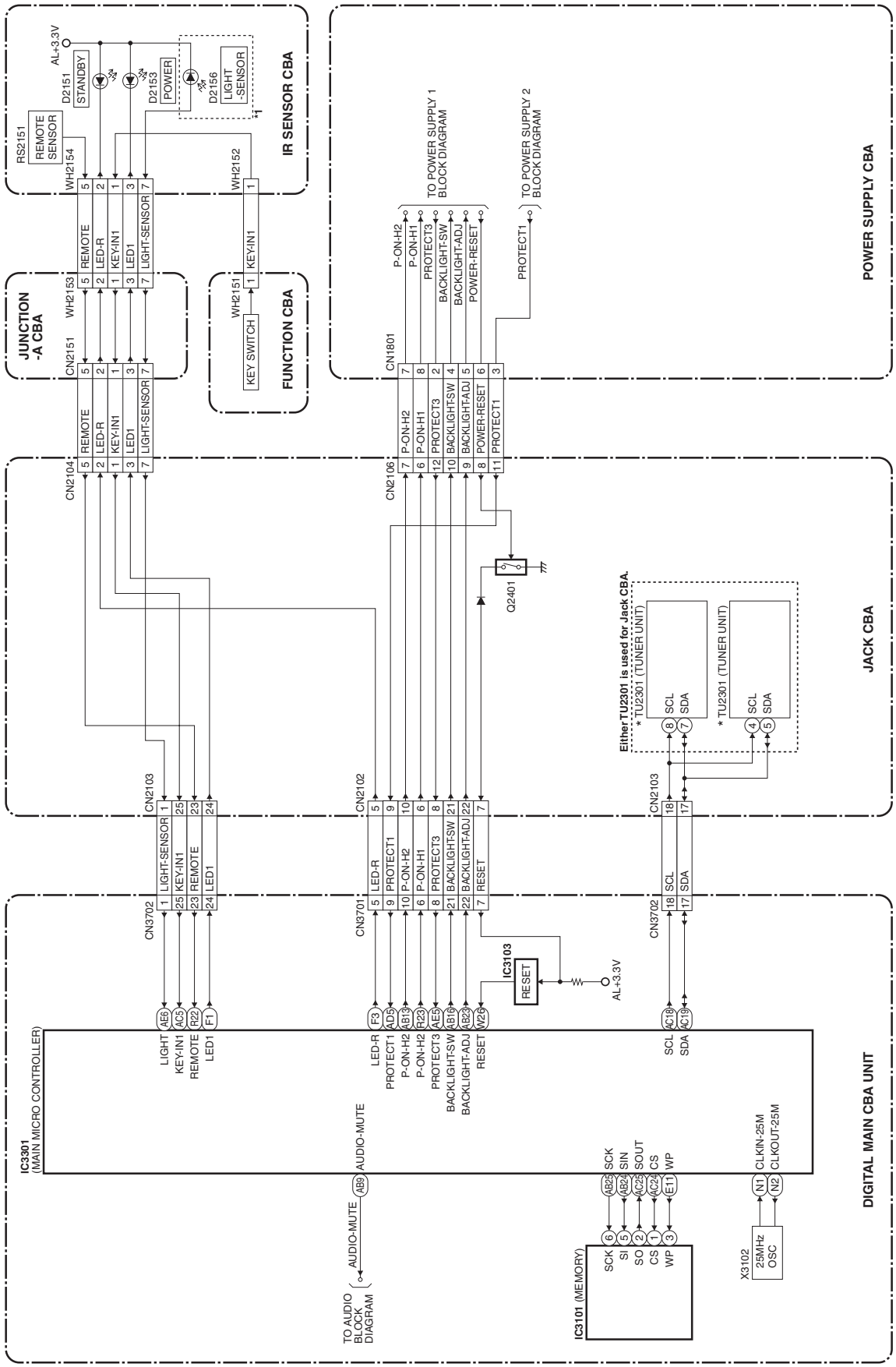
FLOW CHART NO.2



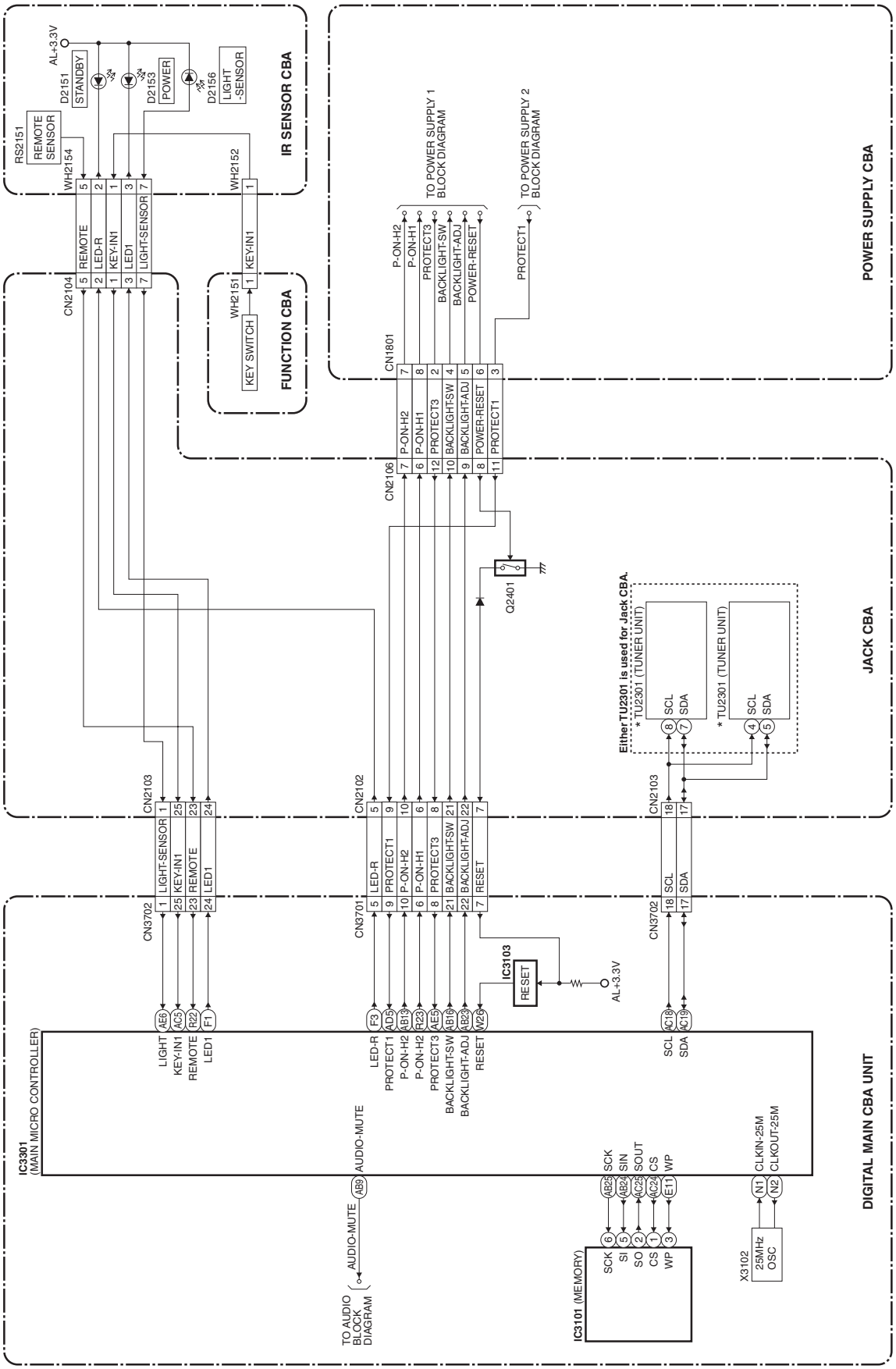
BLOCK DIAGRAMS

System Control Block Diagram

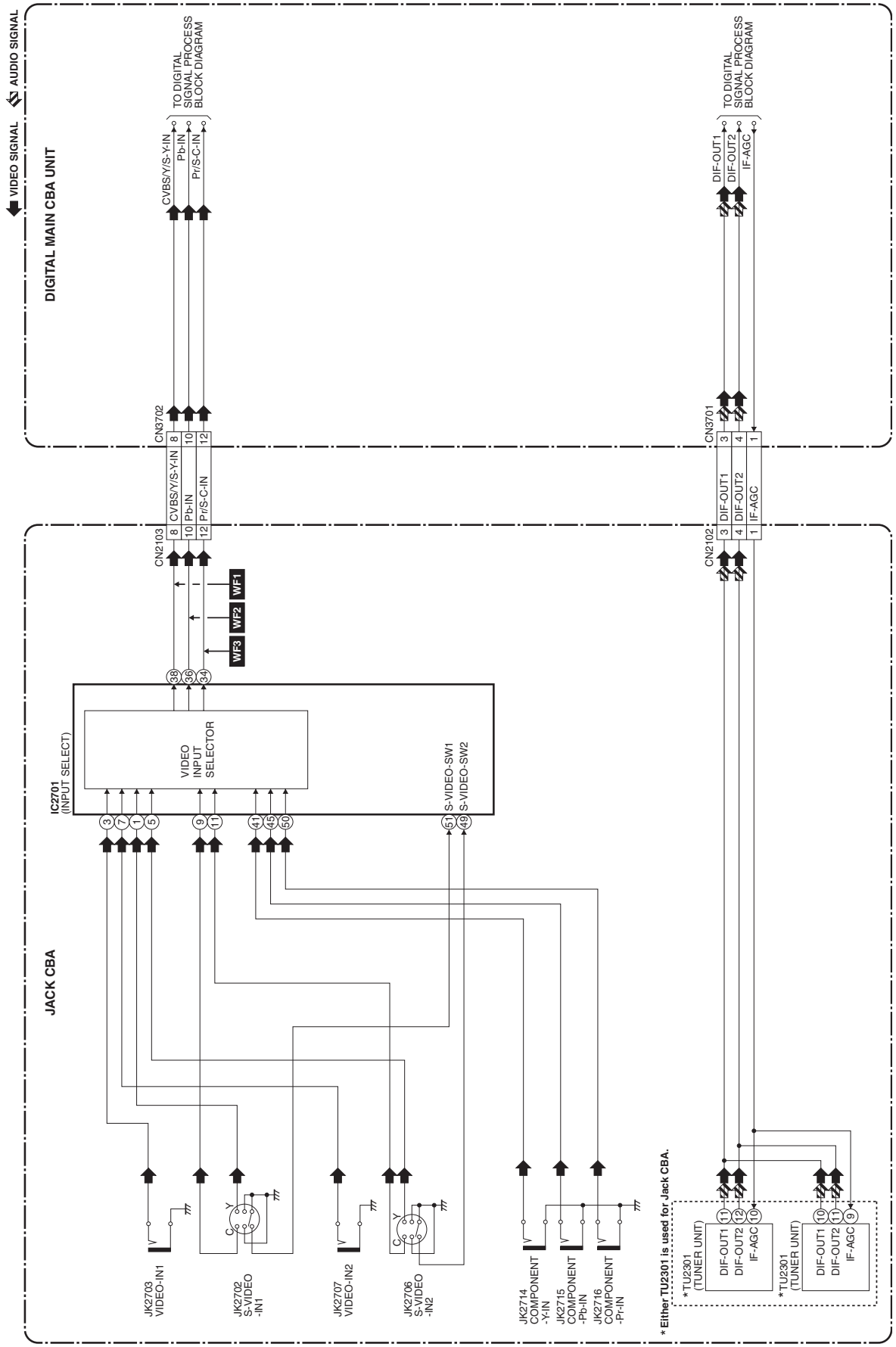
[40MF430B/F7(Serial No.:DS1A), LC407SS1(Serial No.:DS1A,DS2A), LC407EM1]



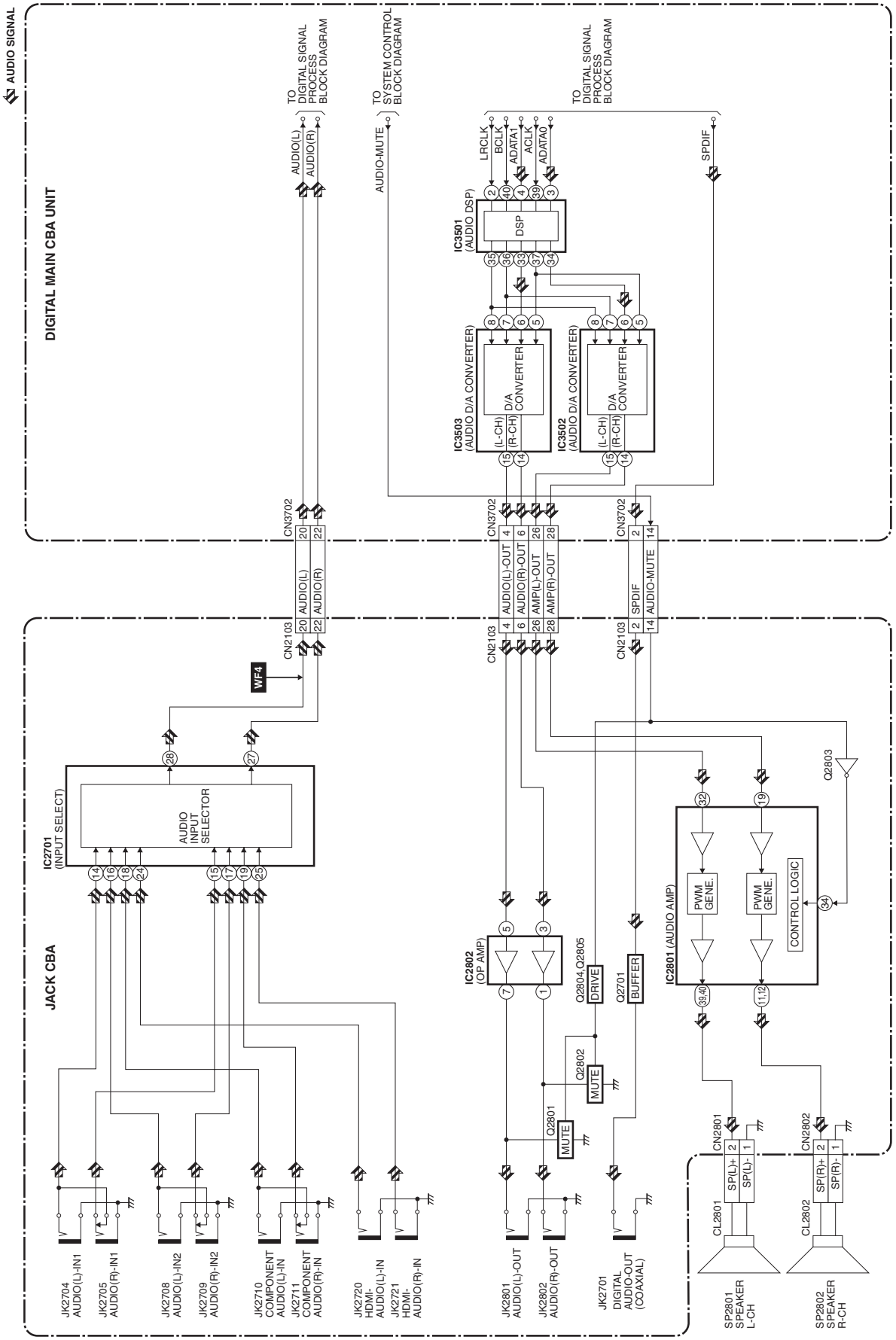
System Control Block Diagram
[40MF430B/F7(Serial No.:DS2A), LC407SS1(Serial No.:DS3A)]



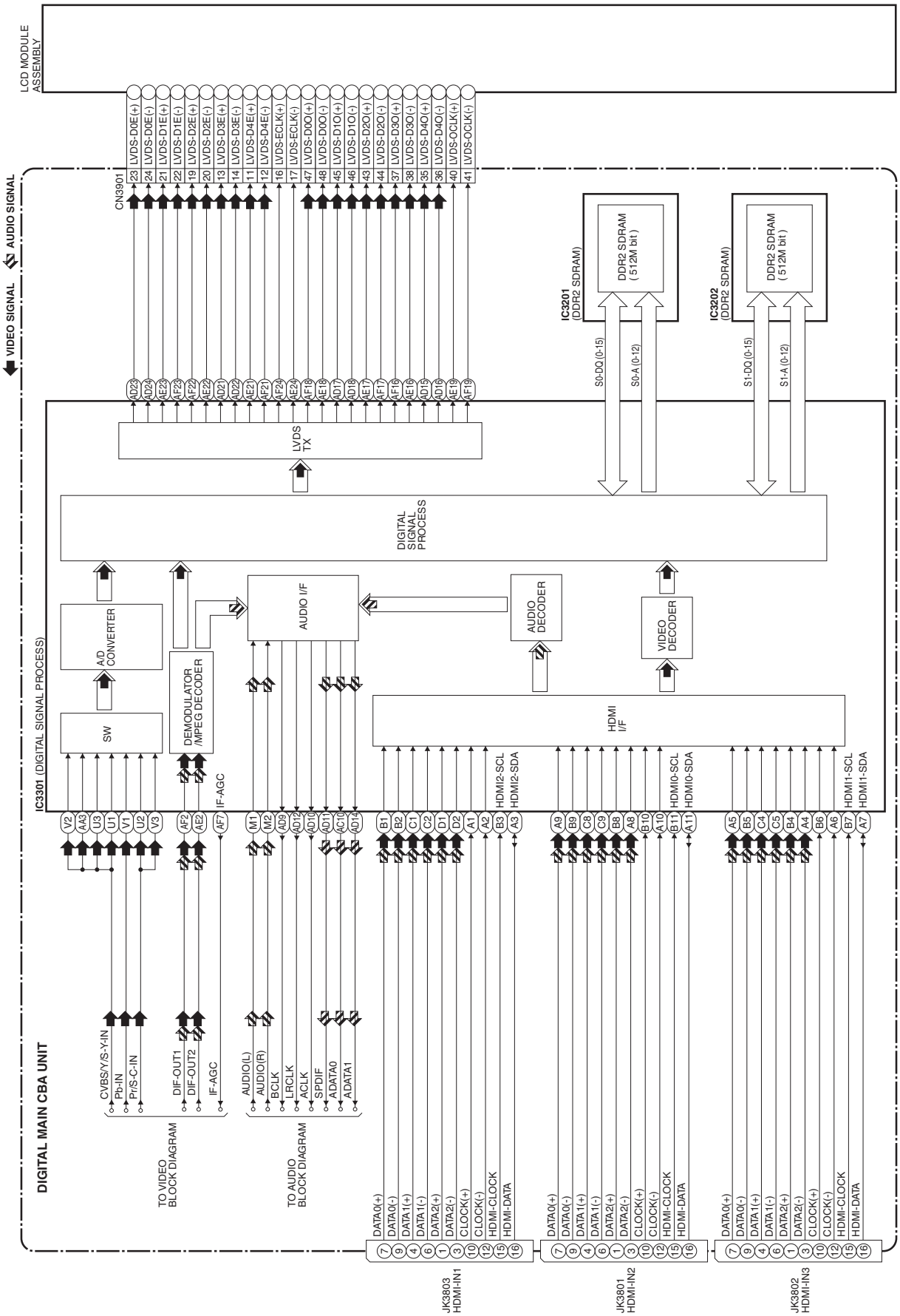
Video Block Diagram



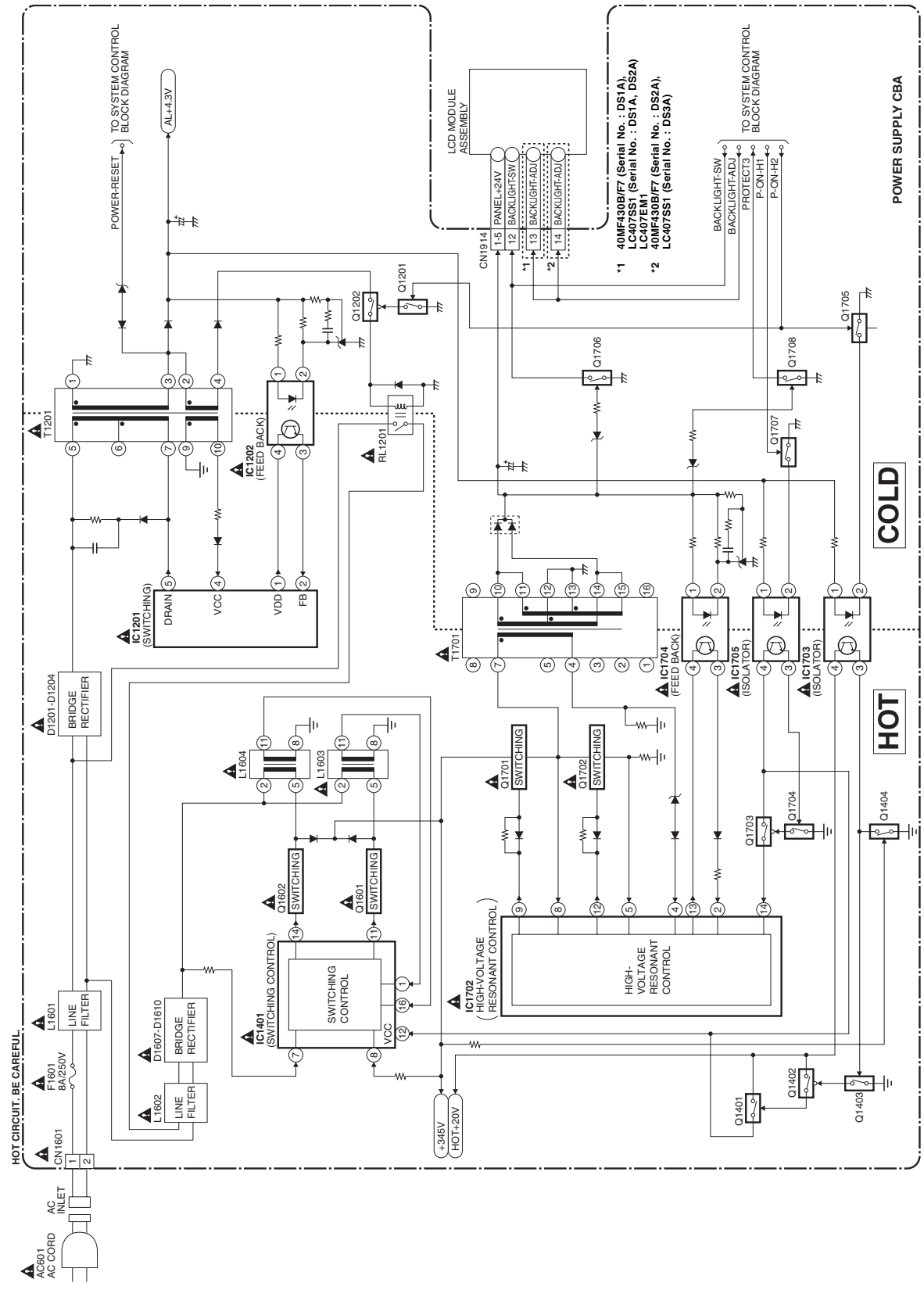
Audio Block Diagram



Digital Signal Process Block Diagram



Power Supply 1 Block Diagram



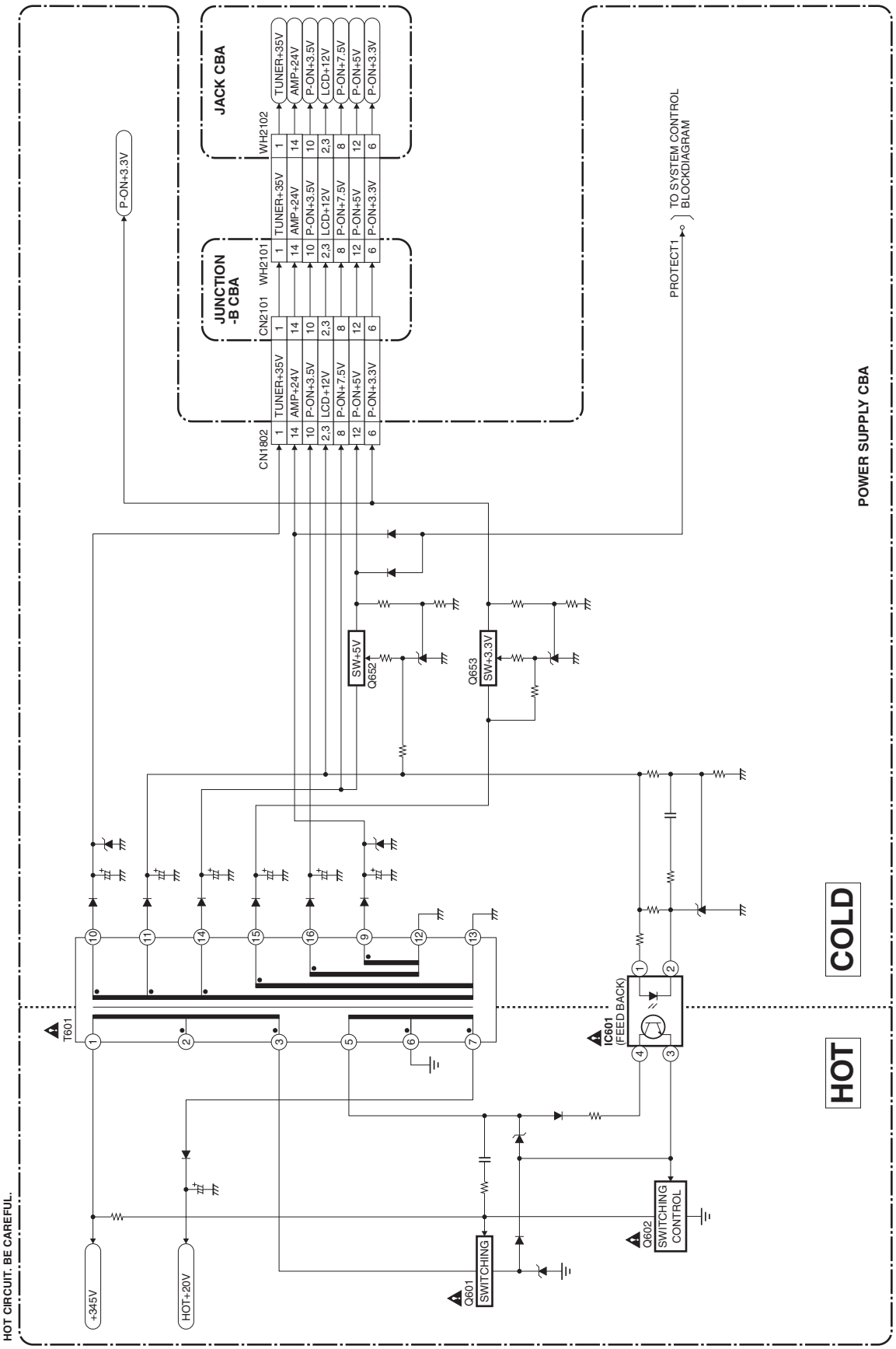
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

8A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 8A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

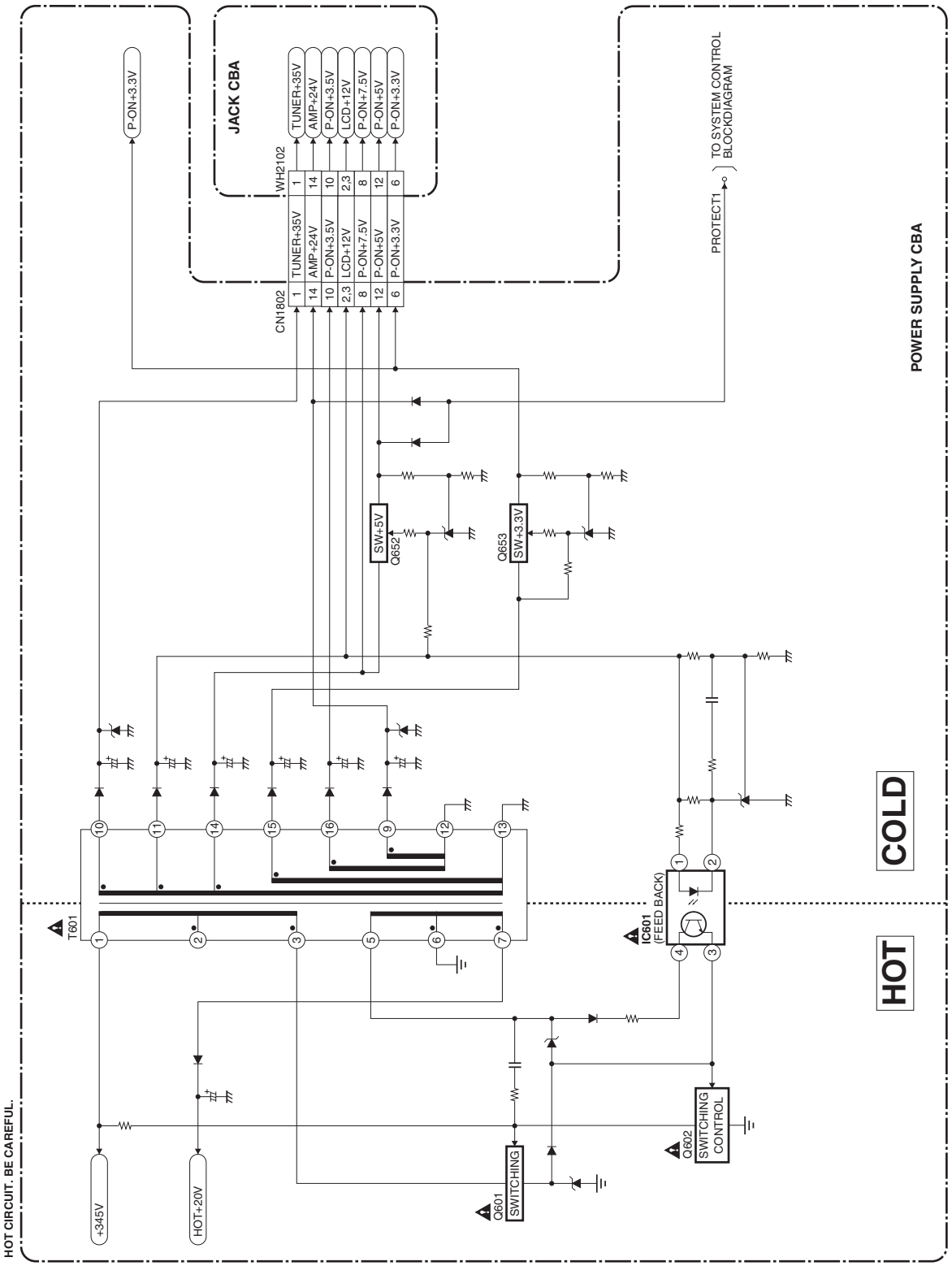
NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

Power Supply 2 Block Diagram
[40MF430B/F7(Serial No.:DS1A), LC407SS1(Serial No.:DS1A,DS2A), LC407EM1]



NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

Power Supply 2 Block Diagram
[40MF430B/F7(Serial No.:DS2A), LC407SS1(Serial No.:DS3A)]



NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

SCHEMATIC DIAGRAMS / CBA AND TEST POINTS

Standard Notes

WARNING

Many electrical and mechanical parts in this chassis have special characteristics. These characteristics often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the mark "⚠" in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

Notes:

1. Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.
2. All resistance values are indicated in ohms ($K = 10^3$, $M = 10^6$).
3. Resistor wattages are 1/4W or 1/6W unless otherwise specified.
4. All capacitance values are indicated in μF ($P = 10^{-6}$ μF).
5. All voltages are DC voltages unless otherwise specified.
6. This schematic diagrams are masterized version that should cover the entire FL10.5 chassis models. Thus some parts in detail illustrated on this schematic diagrams may vary depend on the model within the FL10.5 chassis.
   Please refer to the parts lists for each models.
7. The Circuit Board layout illustrated on this service manual is the latest version for this chassis at the moment of making this service manual.
   Depend on the mass production date of each model, the actual layout of each Board may differ slightly from this version.

LIST OF CAUTION, NOTES, AND SYMBOLS USED IN THE SCHEMATIC DIAGRAMS ON THE FOLLOWING PAGES:

1. CAUTION:

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE_A,_V FUSE.

ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE DE_A,_V.

2. CAUTION:

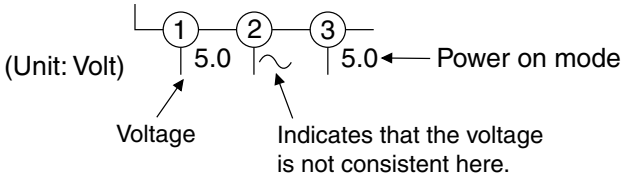
Fixed Voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown, first check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

3. Note:

1. Do not use the part number shown on the drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since the drawings were prepared.
2. To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

4. Voltage indications on the schematics are as shown below:

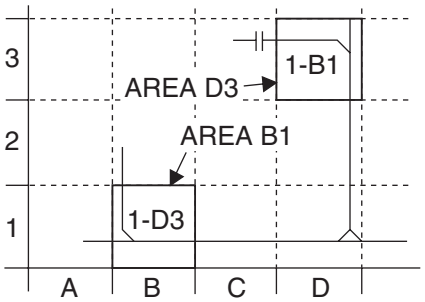
Plug the TV power cord into a standard AC outlet.:



5. How to read converged lines

1-D3
- Distinction Area
- Line Number (1 to 3 digits)

Examples:
1. "1-D3" means that line number "1" goes to the line number "1" of the area "D3".
2. "1-B1" means that line number "1" goes to the line number "1" of the area "B1".



6. Test Point Information

: Indicates a test point with a jumper wire across a hole in the PCB.

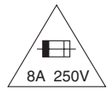
: Used to indicate a test point with a component lead on foil side.

: Used to indicate a test point with no test pin.

: Used to indicate a test point with a test pin.

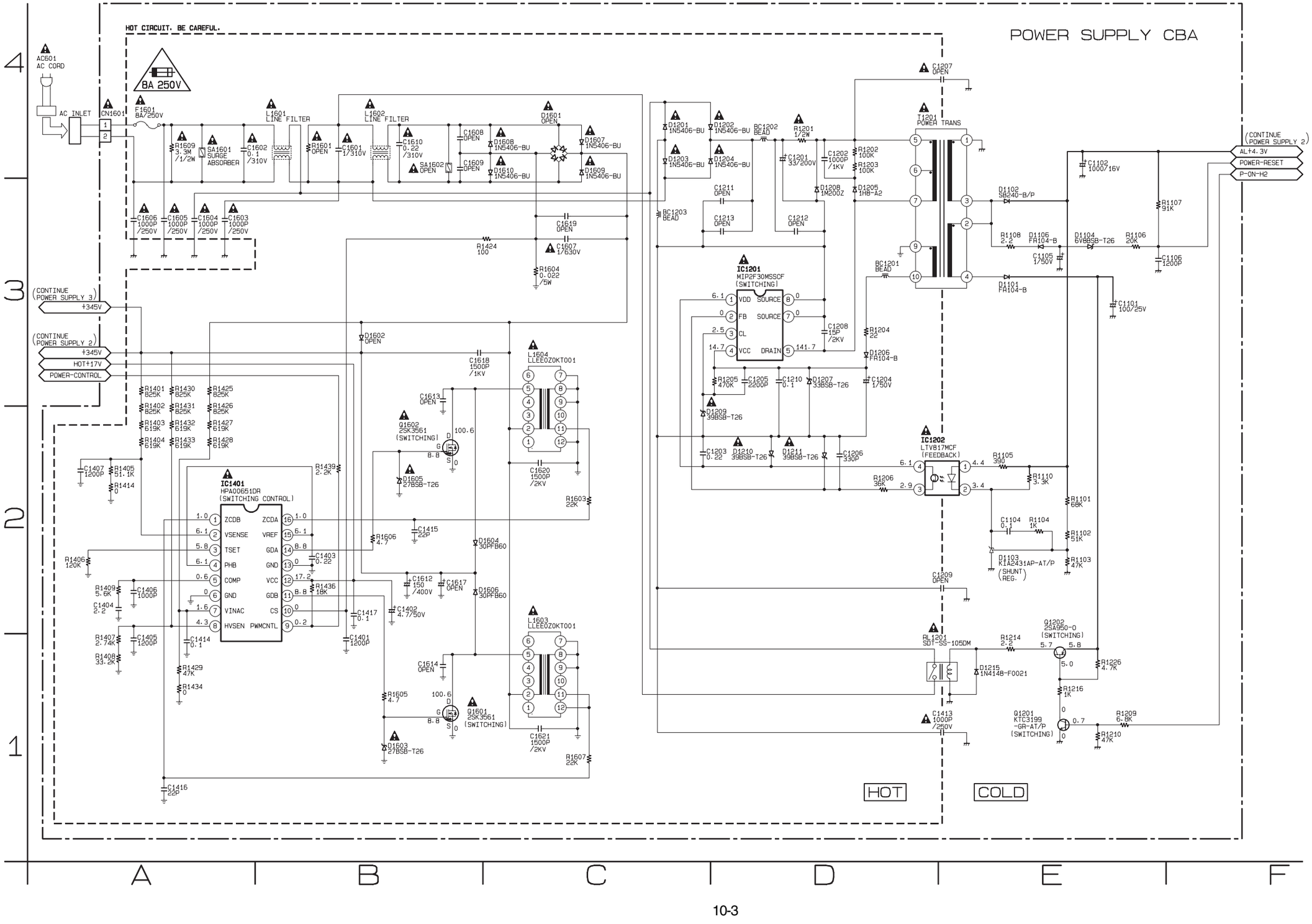
Power Supply 1 Schematic Diagram

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.



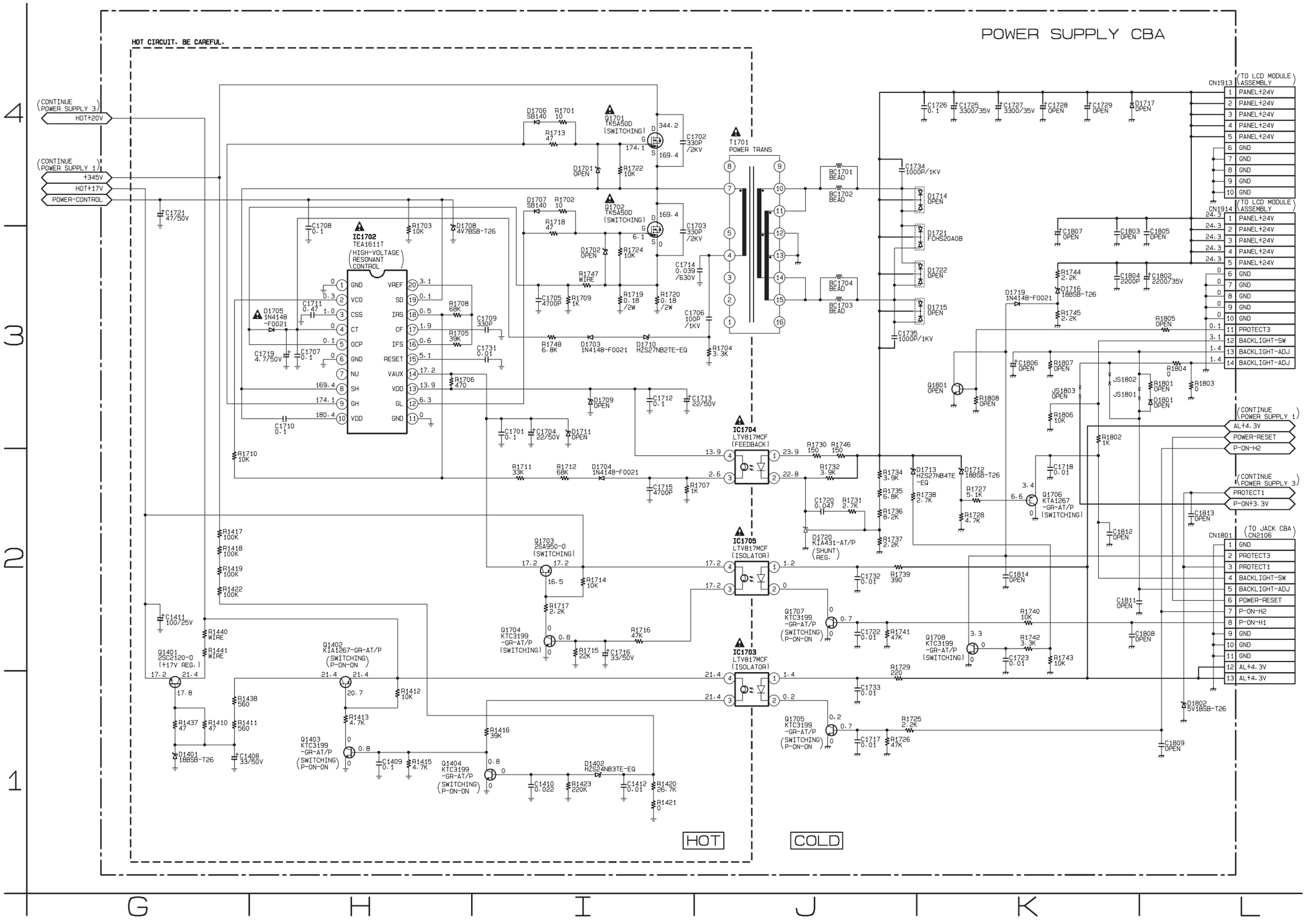
CAUTION ! : For continued protection against risk of fire, replace only with same type 8A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



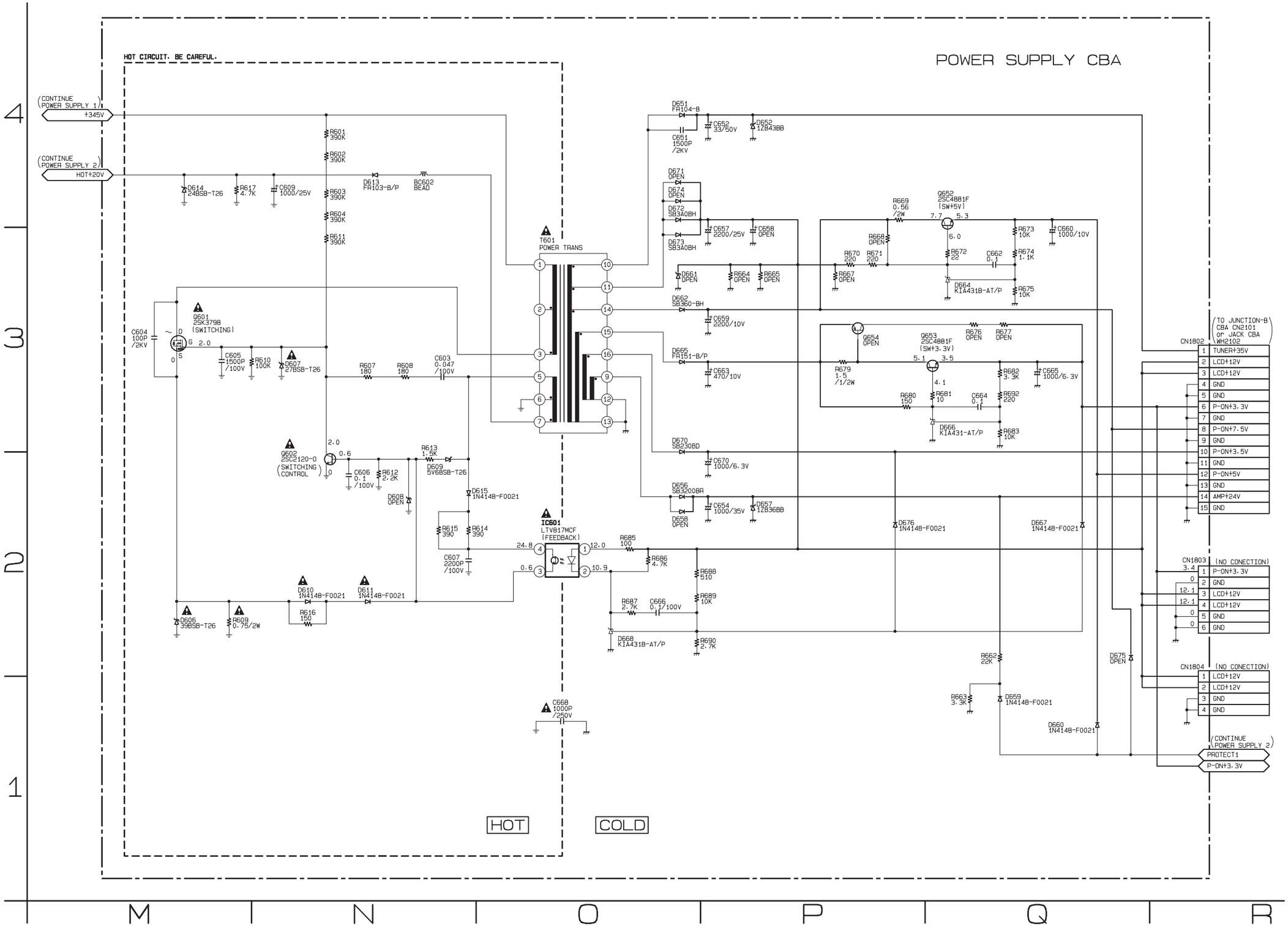
Power Supply 2 Schematic Diagram

NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

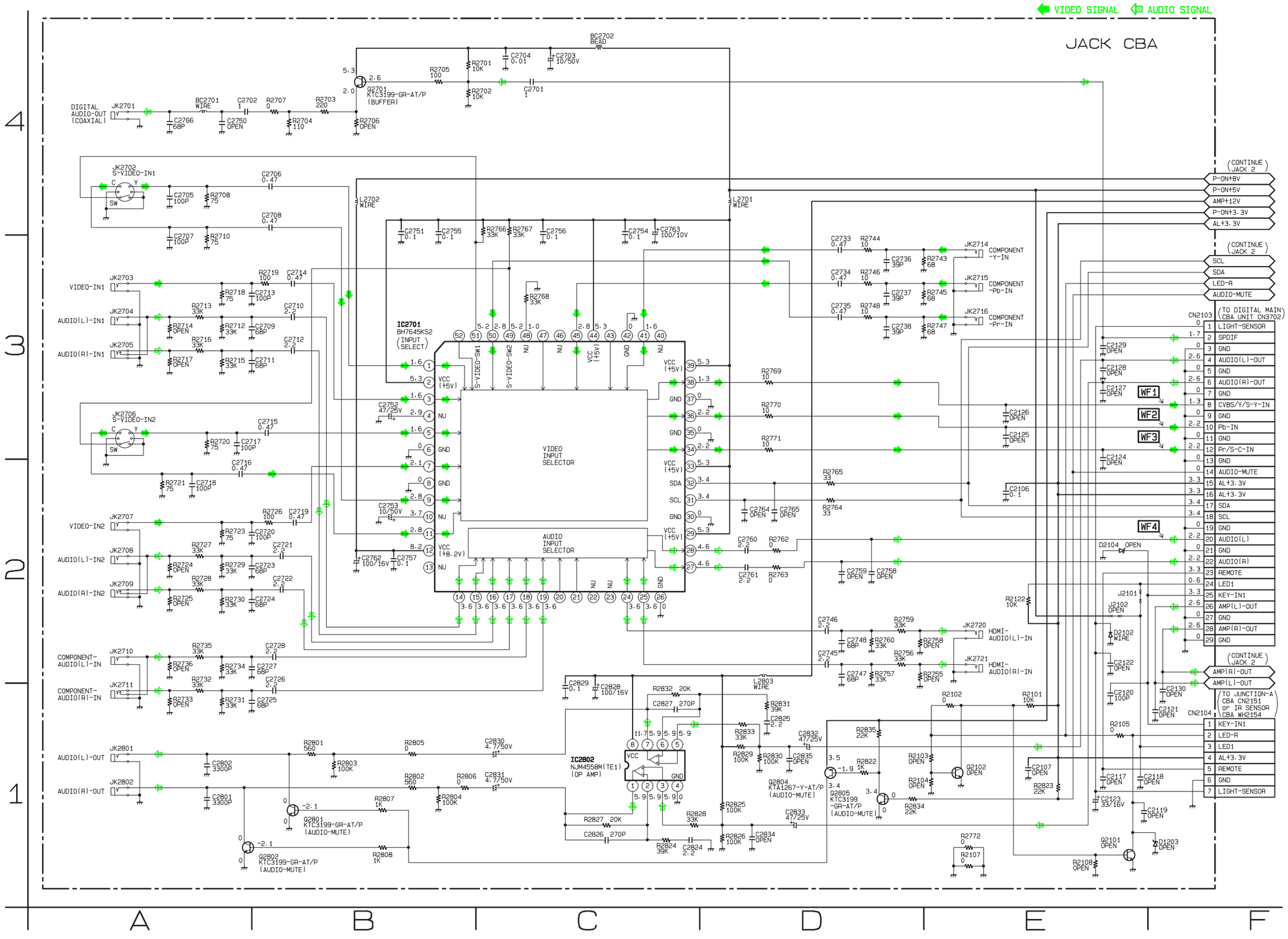


Power Supply 3 Schematic Diagram

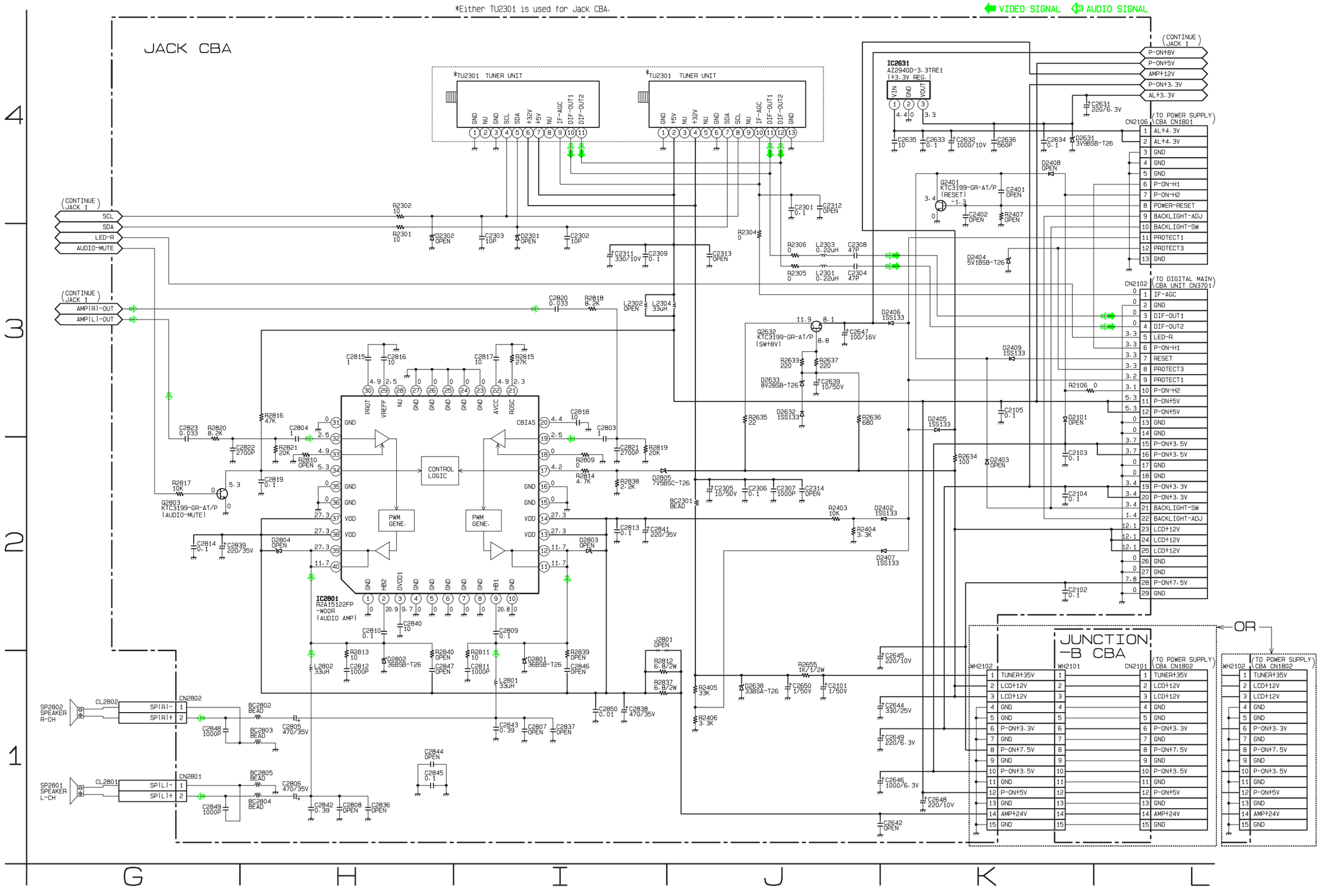
NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Jack 1 Schematic Diagram

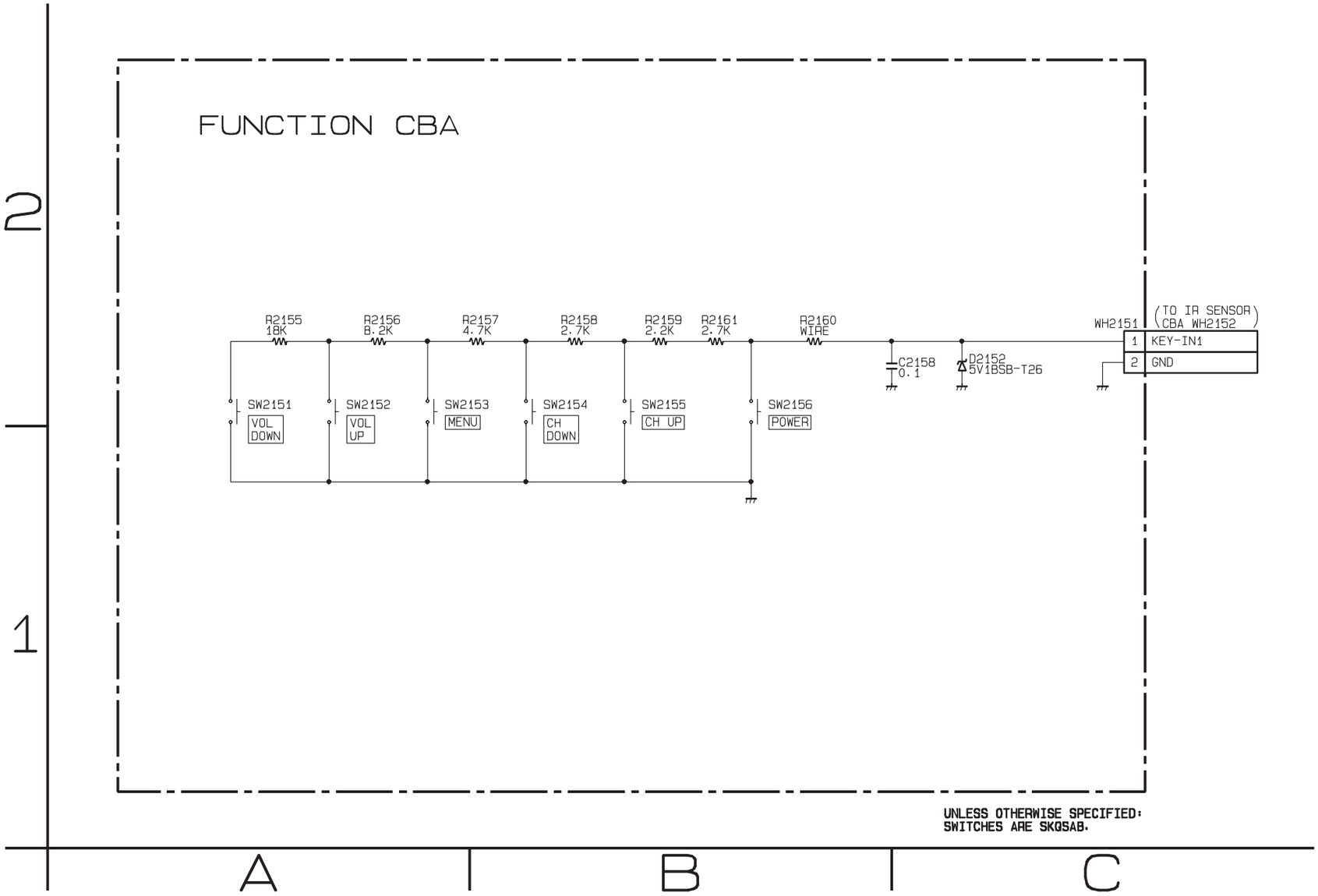


Jack 2 & Junction-B Schematic Diagram

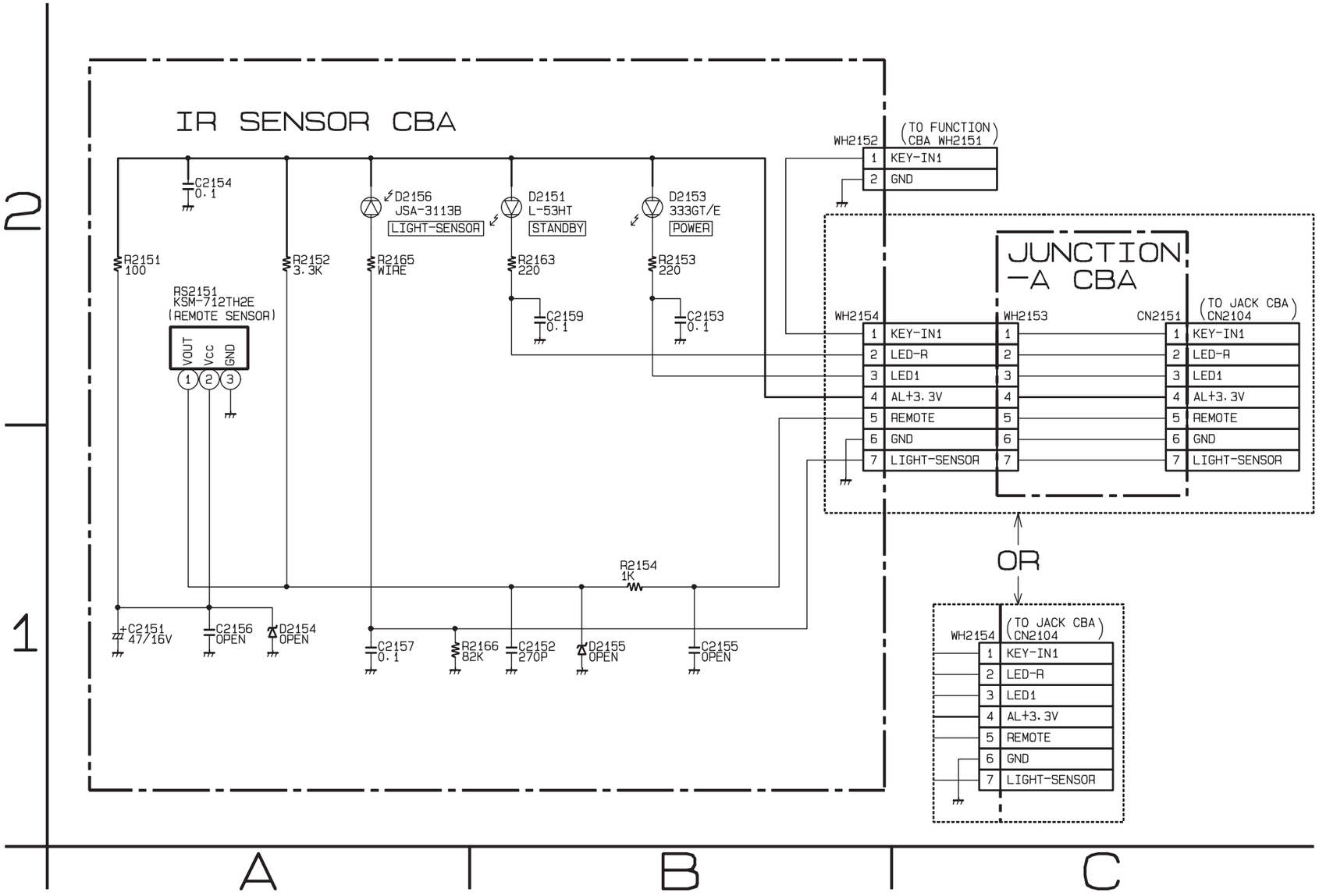


FL10.5SCJ2

Function Schematic Diagram

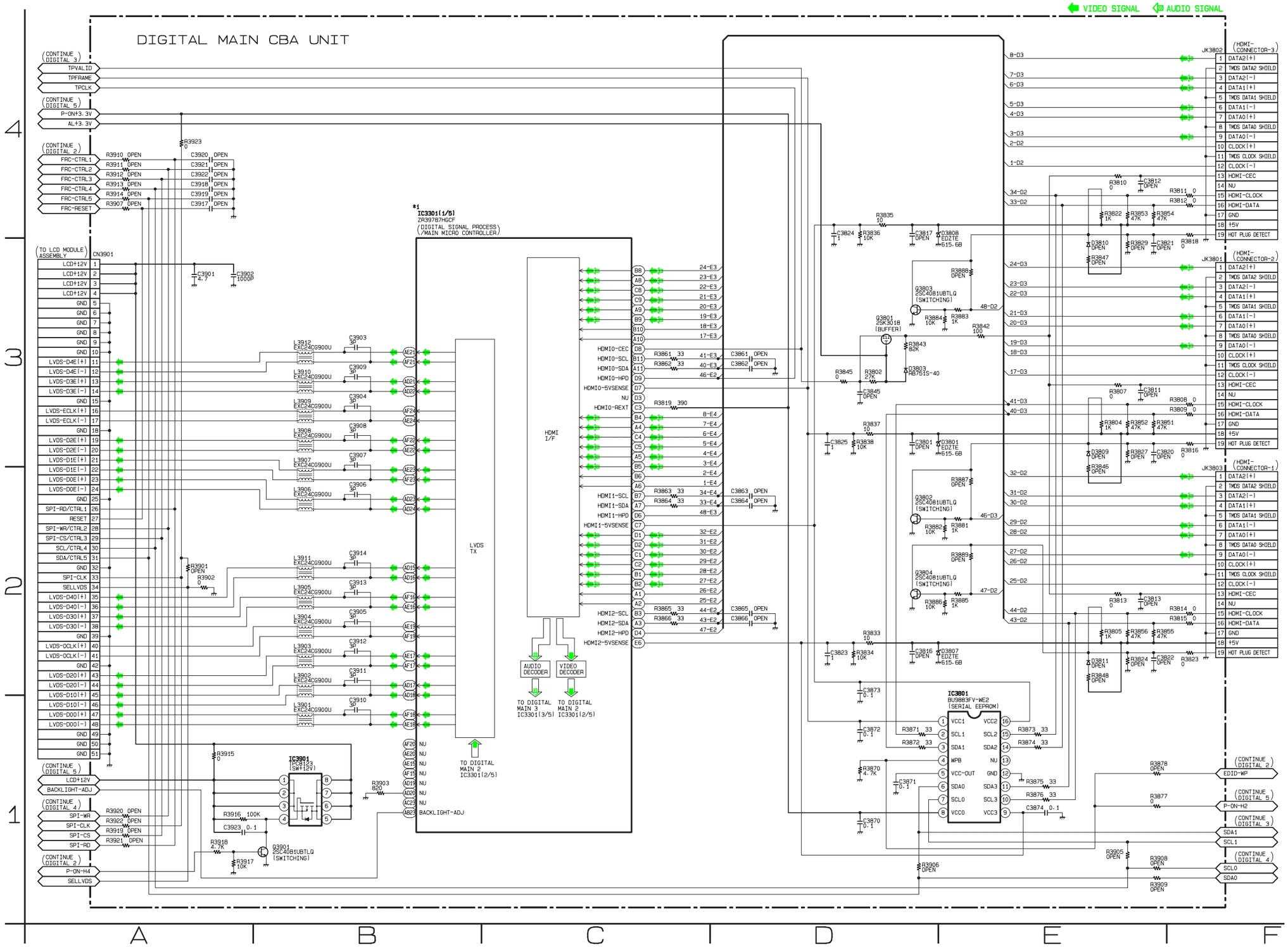


IR Sensor & Junction-A Schematic Diagram



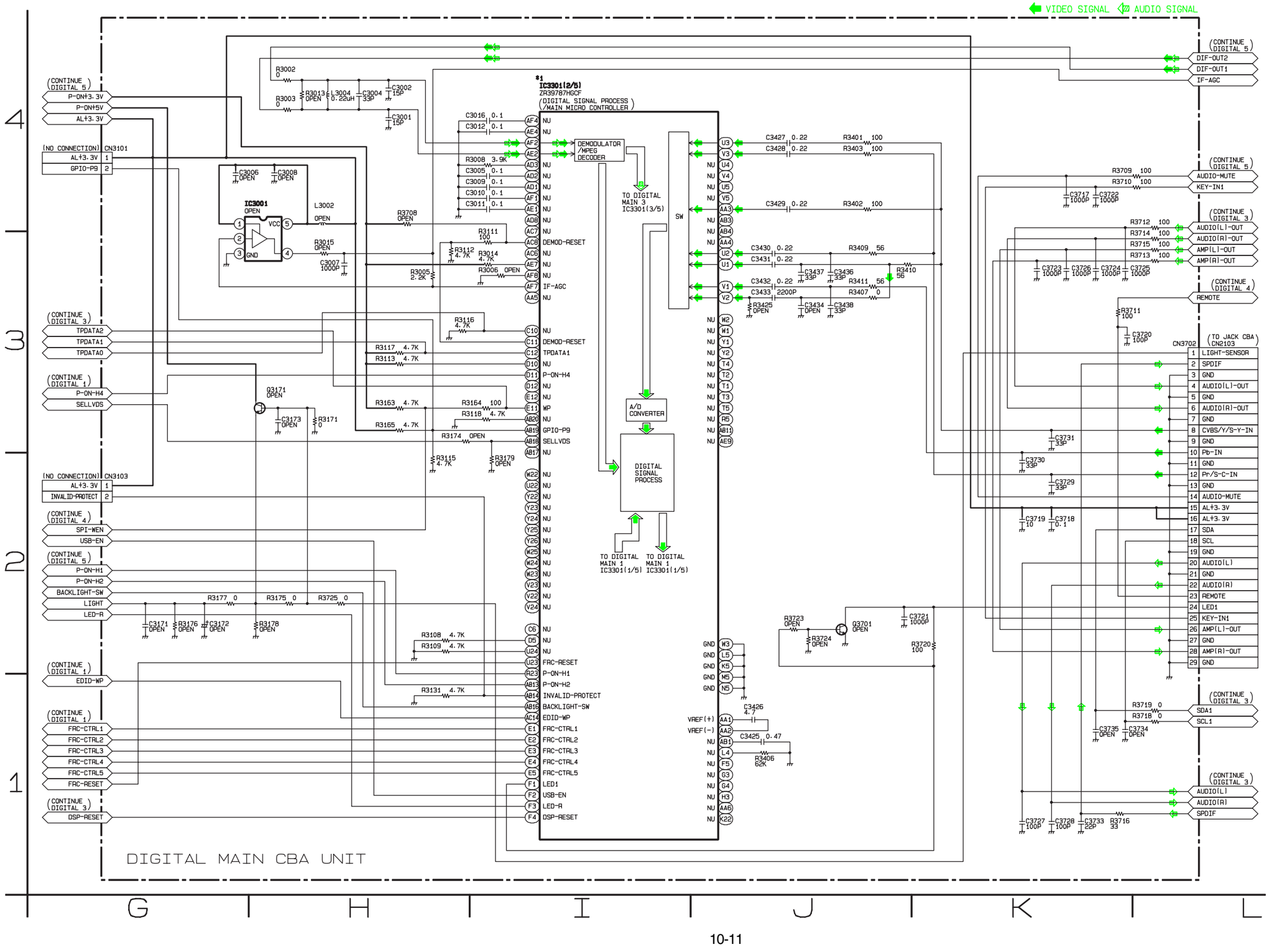
Digital Main 1 Schematic Diagram

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



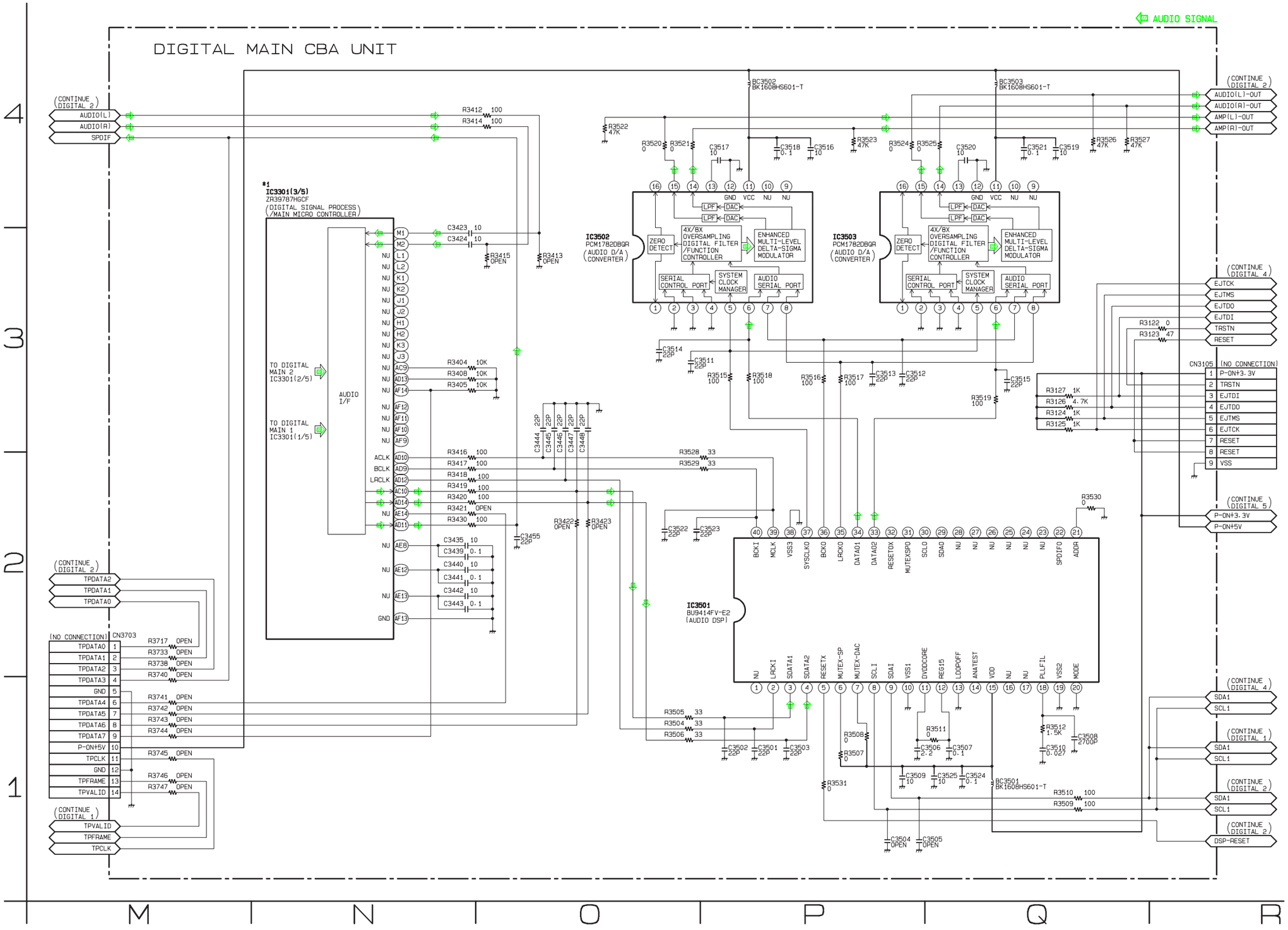
Digital Main 2 Schematic Diagram

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



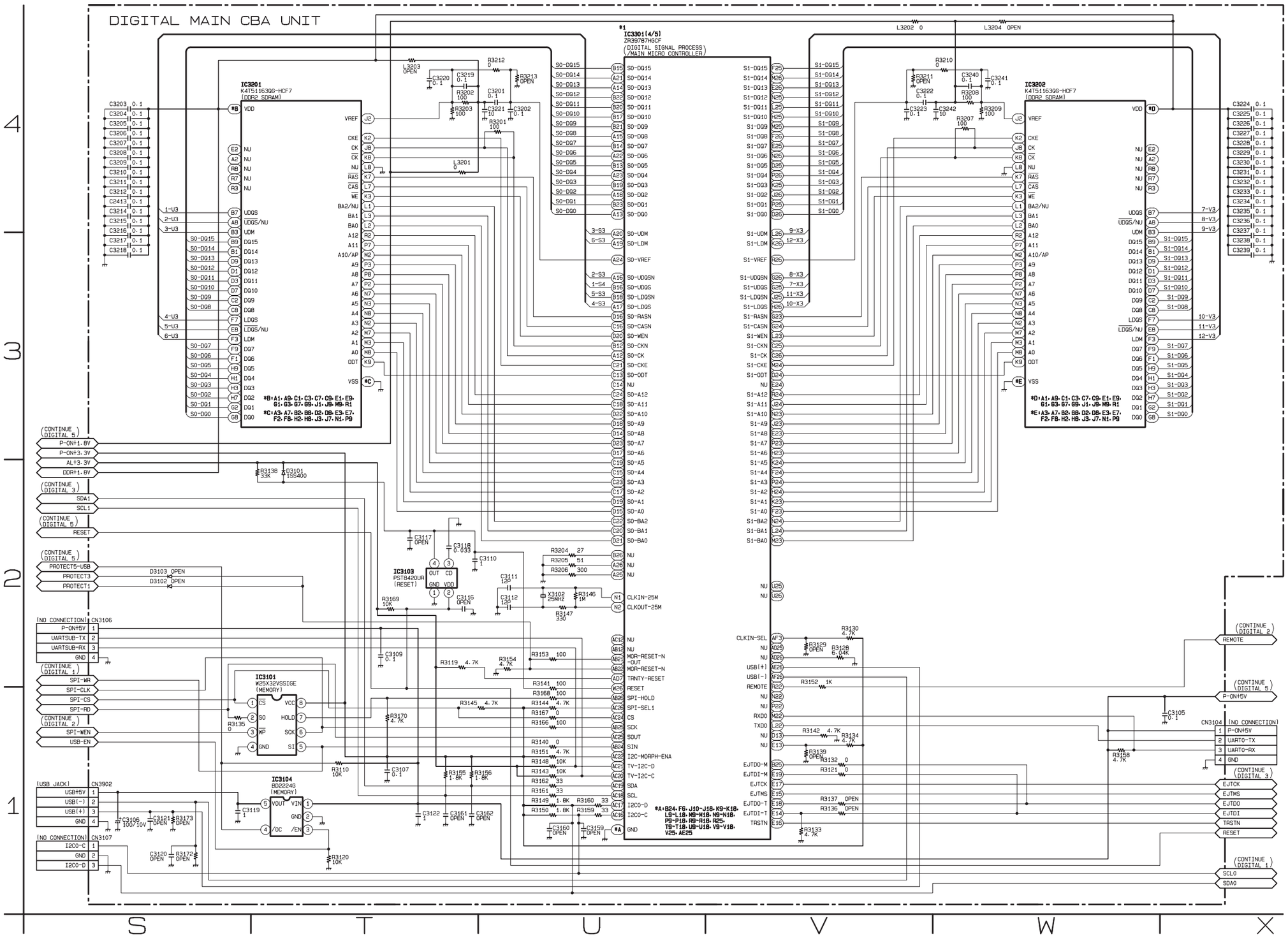
Digital Main 3 Schematic Diagram

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



Digital Main 4 Schematic Diagram

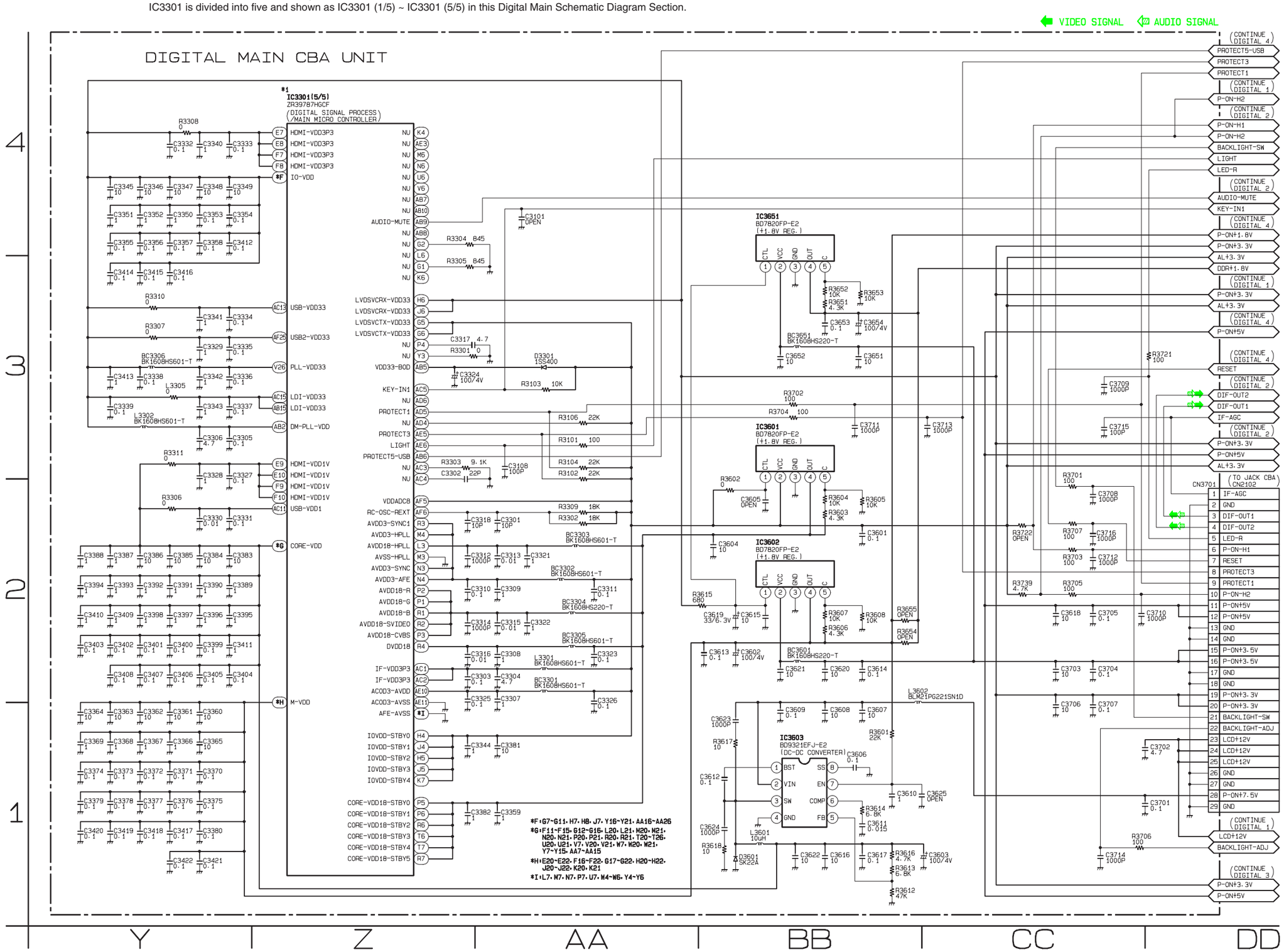
∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



FL10.5SCD4

Digital Main 5 Schematic Diagram

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



Power Supply CBA Top View

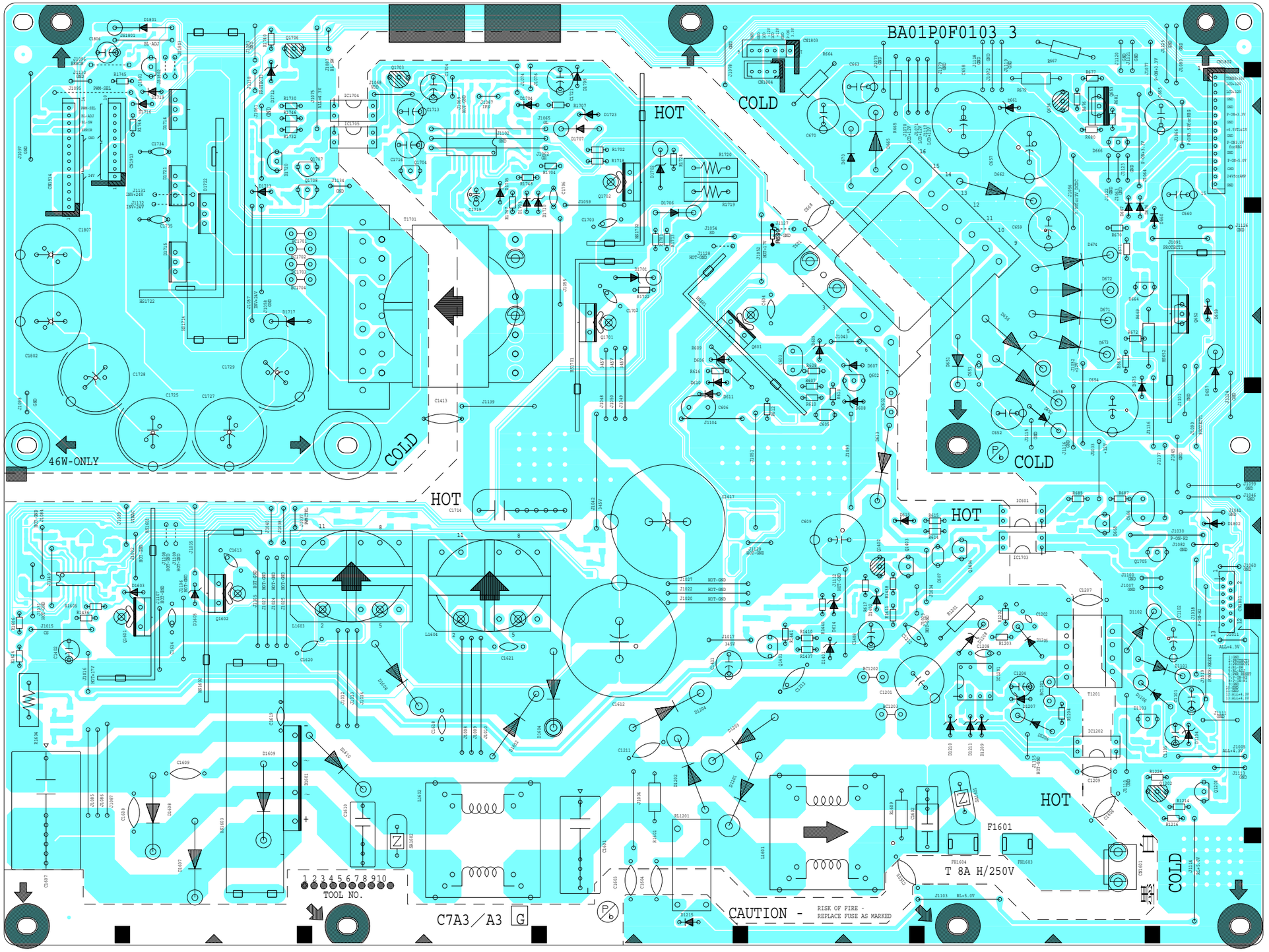
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

8A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 8A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.



Power Supply CBA Bottom View

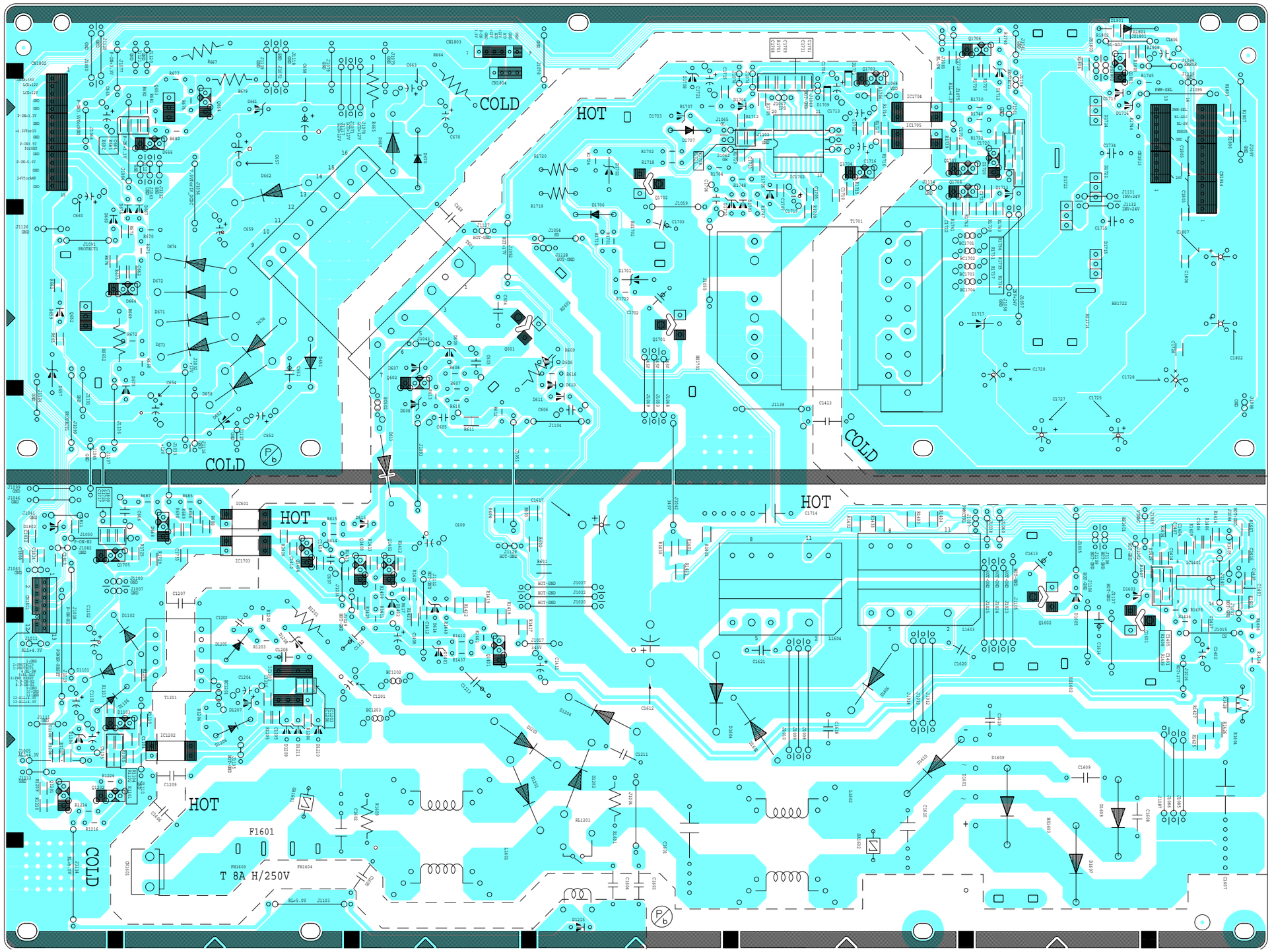
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

8A 250V

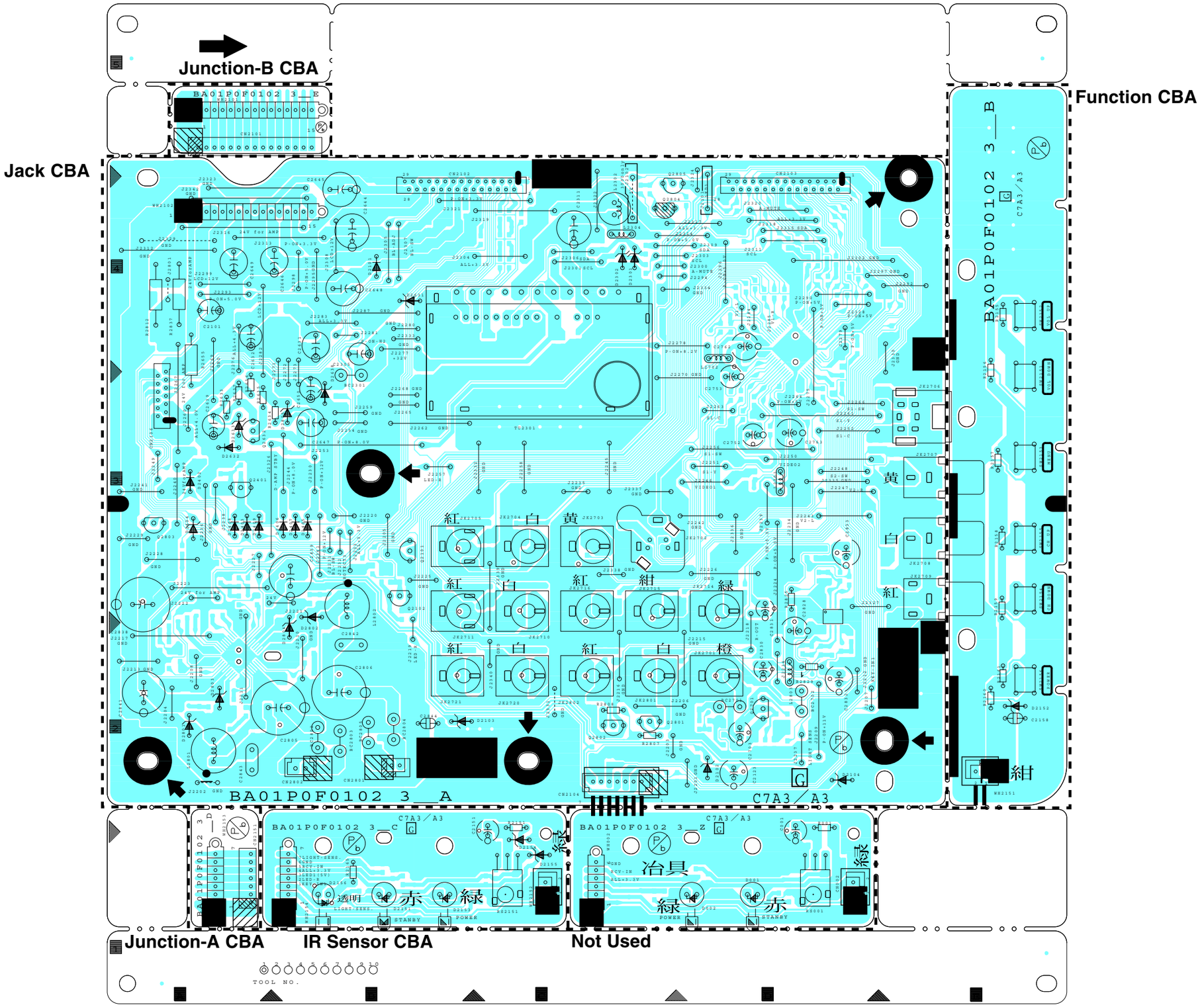
CAUTION ! : For continued protection against risk of fire, replace only with same type 8A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

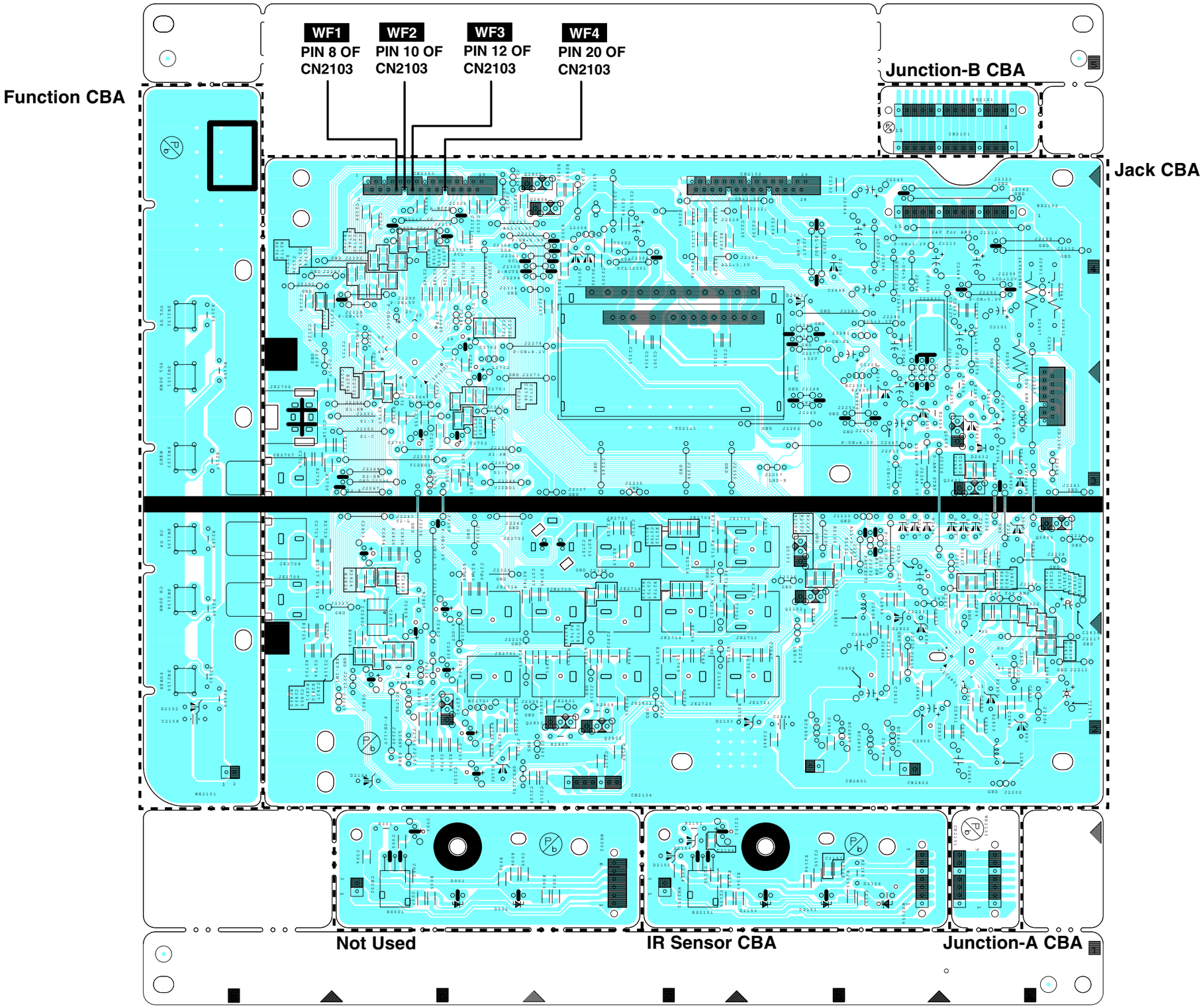
Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.



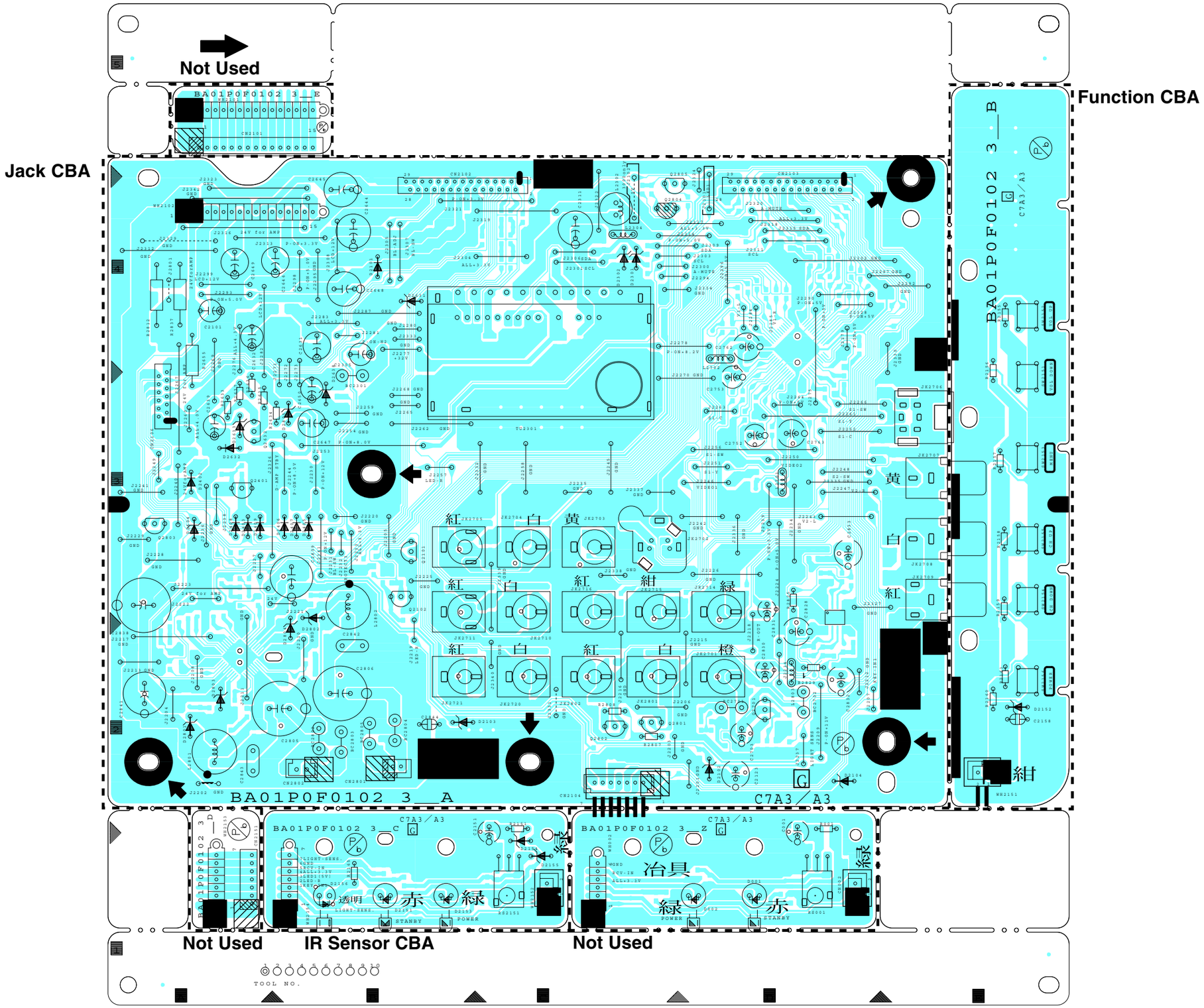
Jack CBA, Function CBA, IR Sensor CBA, Junction-A CBA & Junction-B CBA Top View
[40MF430B/F7 (Serial No.:DS1A), LC407SS1 (Serial No.:DS1A, DS2A), LC407EM1]



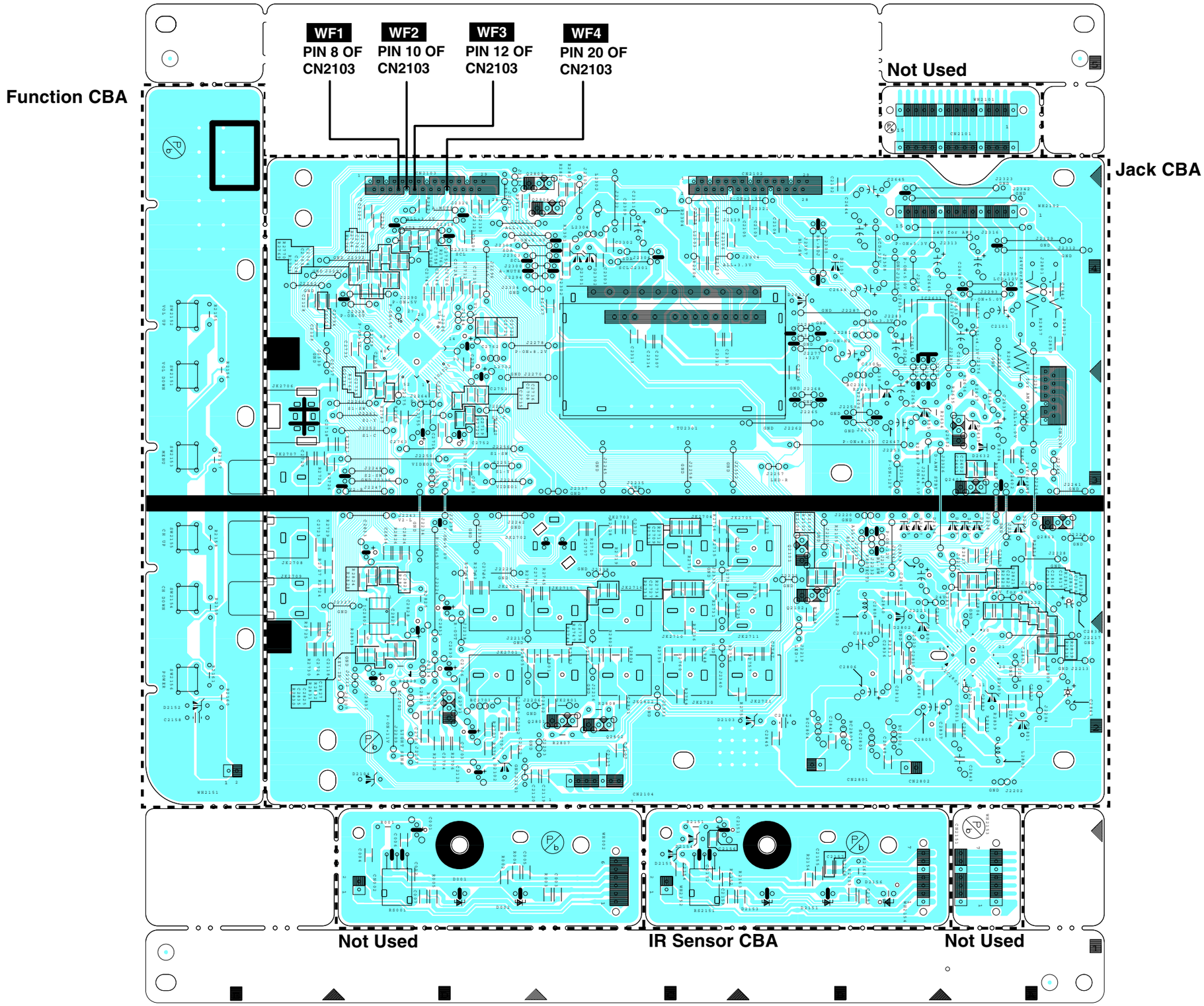
Jack CBA, Function CBA, IR Sensor CBA, Junction-A CBA & Junction-B CBA Bottom View [40MF430B/F7 (Serial No.:DS1A), LC407SS1 (Serial No.:DS1A, DS2A), LC407EM1]



Jack CBA, Function CBA & IR Sensor CBA Top View [40MF430B/F7 (Serial No.:DS2A), LC407SS1 (Serial No.:DS3A)]



Jack CBA, Function CBA & IR Sensor CBA Bottom View [40MF430B/F7 (Serial No.:DS2A), LC407SS1 (Serial No.:DS3A)]



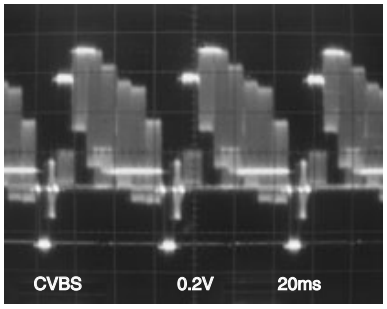
WAVEFORMS

WF1 ~ WF4 = Waveforms to be observed at Waveform check points. (Shown in Schematic Diagram.)

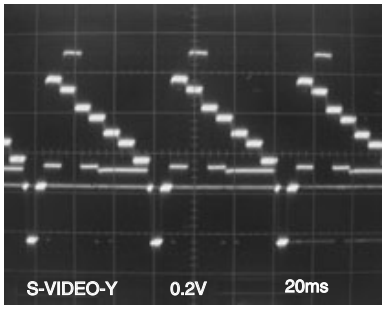
Input: NTSC Color Bar Signal (with 1kHz Audio Signal)

WF1 Pin 8 of CN2103

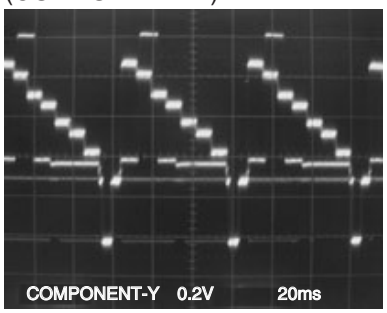
(VIDEO IN)



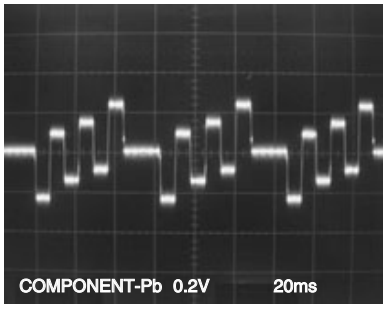
(S-VIDEO IN)



(COMPONENT IN)

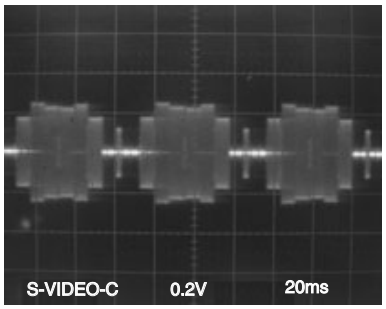


WF2 Pin 10 of CN2103

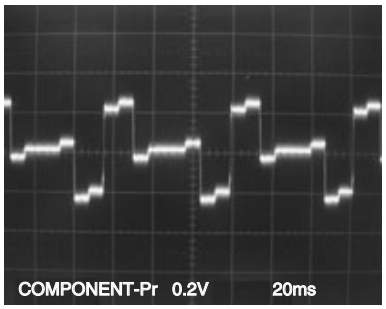


WF3 Pin 12 of CN2103

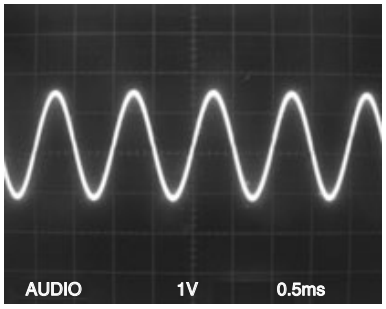
(S-VIDEO IN)



(COMPONENT IN)

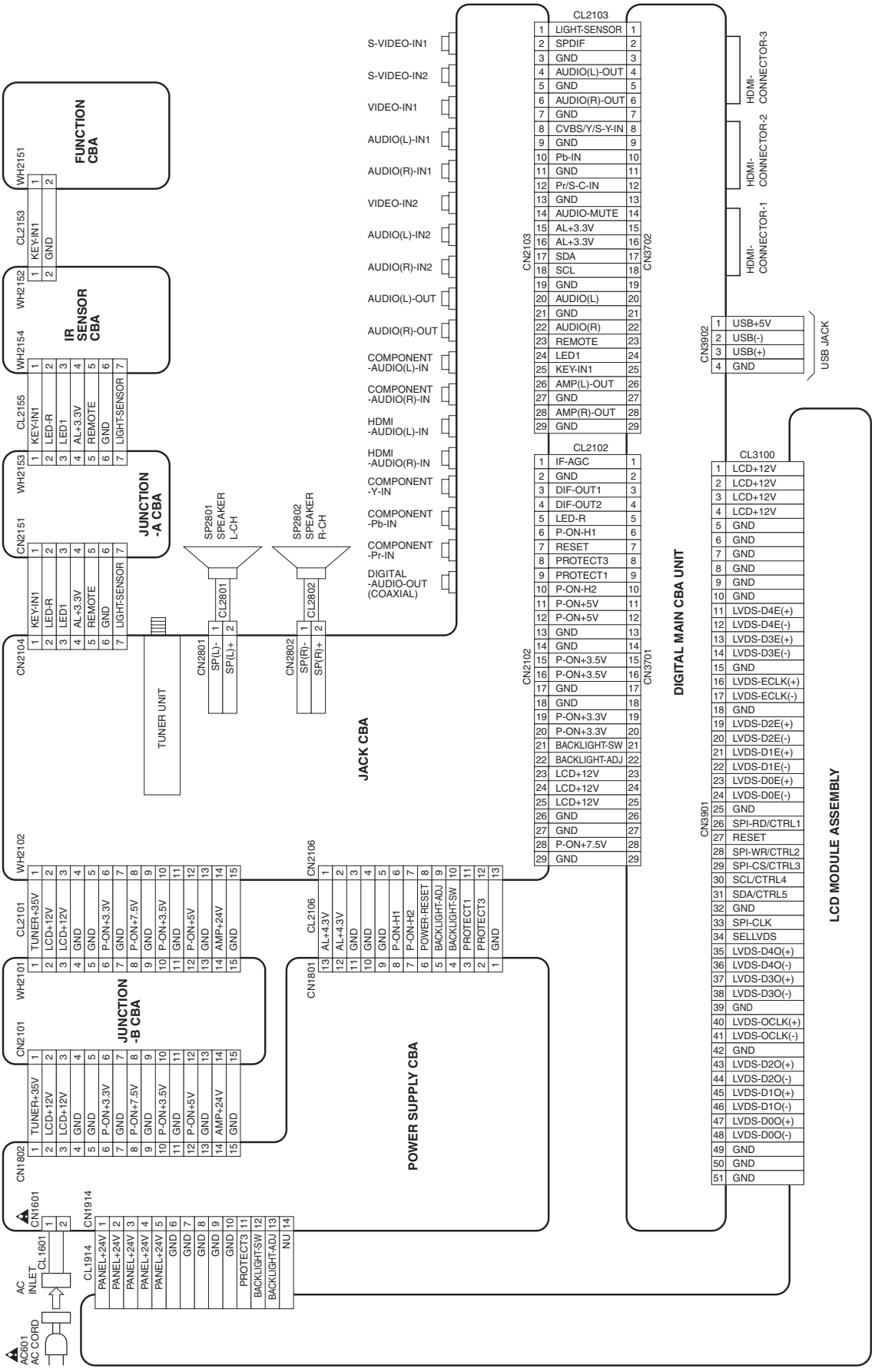


WF4 Pin 20 of CN2103

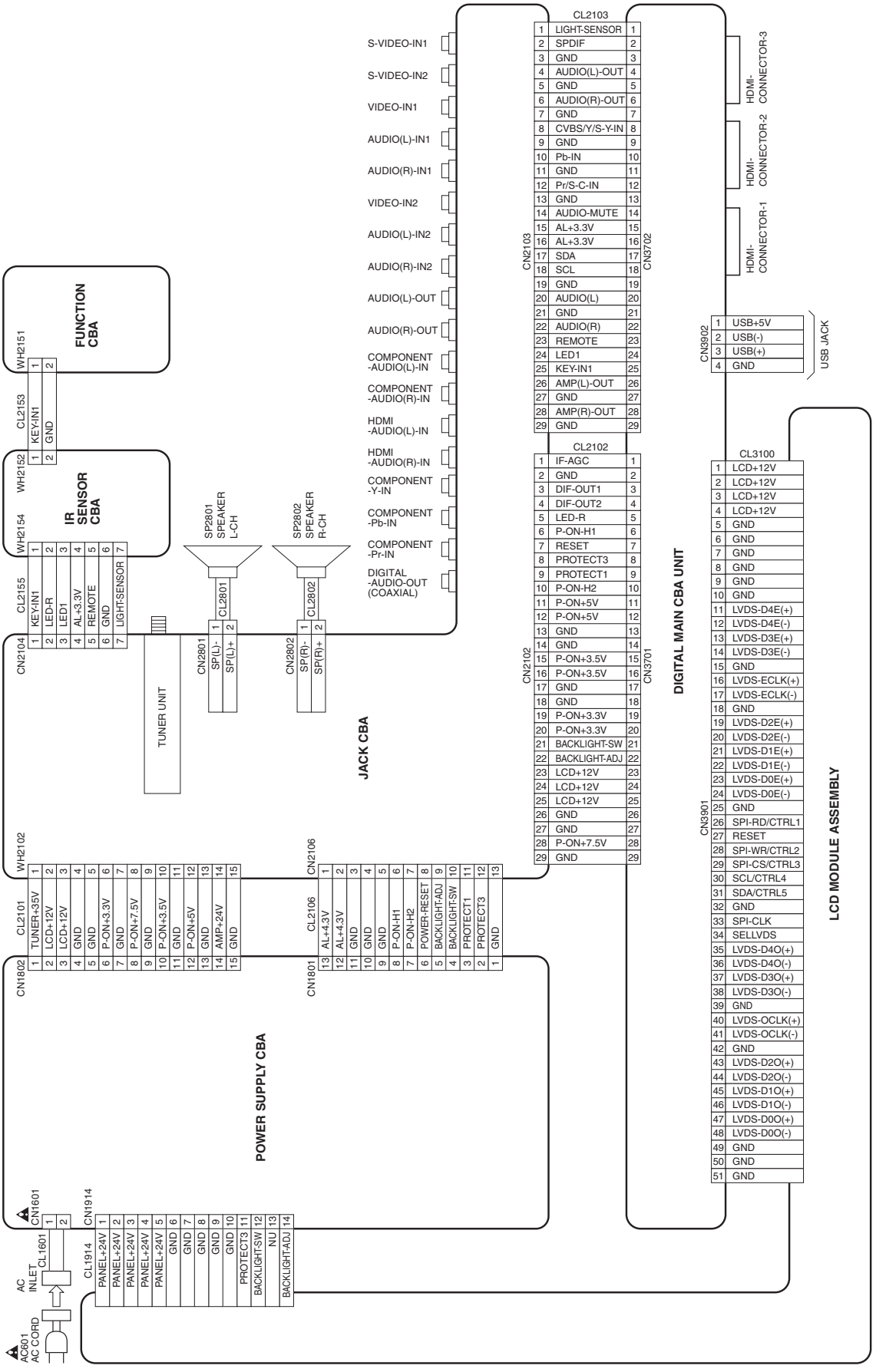


WIRING DIAGRAM

[40MF430B/F7(Serial No.:DS1A), LC407SS1(Serial No.:DS1A,DS2A), LC407EM1]



[40MF430B/F7(Serial No.:DS2A), LC407SS1(Serial No.:DS3A)]



1	LIGHT-SENSOR	1
2	SPDIF	2
3	GND	3
4	AUDIO(L)-OUT	4
5	GND	5
6	AUDIO(R)-OUT	6
7	GND	7
8	CVBS/Y/S-Y-IN	8
9	GND	9
10	Pb-IN	10
11	GND	11
12	Pr/S-C-IN	12
13	GND	13
14	AUDIO-MUTE	14
15	AL+3.3V	15
16	AL+3.3V	16
17	SDA	17
18	SCL	18
19	GND	19
20	AUDIO(L)	20
21	GND	21
22	AUDIO(R)	22
23	REMOTE	23
24	LED1	24
25	KEY-IN1	25
26	AMP(L)-OUT	26
27	GND	27
28	AMP(R)-OUT	28
29	GND	29

1	IF-AGC	1
2	GND	2
3	DIF-OUT1	3
4	DIF-OUT2	4
5	LED-R	5
6	P-ON-H1	6
7	RESET	7
8	PROTECT3	8
9	PROTECT1	9
10	P-ON-H2	10
11	P-ON+5V	11
12	P-ON+5V	12
13	GND	13
14	GND	14
15	P-ON+3.5V	15
16	P-ON+3.5V	16
17	GND	17
18	GND	18
19	P-ON+3.3V	19
20	P-ON+3.3V	20
21	BACKLIGHT-SW	21
22	BACKLIGHT-ADJ	22
23	LCD+12V	23
24	LCD+12V	24
25	LCD+12V	25
26	GND	26
27	GND	27
28	P-ON+7.5V	28
29	GND	29

1	USB+5V	
2	USB(-)	
3	USB(+)	
4	GND	

1	LCD+12V	
2	LCD+12V	
3	LCD+12V	
4	LCD+12V	
5	GND	
6	GND	
7	GND	
8	GND	
9	GND	
10	GND	
11	LVDS-D4E(+)	
12	LVDS-D4E(-)	
13	LVDS-D3E(+)	
14	LVDS-D3E(-)	
15	GND	
16	LVDS-ECLK(+)	
17	LVDS-ECLK(-)	
18	GND	
19	LVDS-D2E(+)	
20	LVDS-D2E(-)	
21	LVDS-D1E(+)	
22	LVDS-D1E(-)	
23	LVDS-D0E(+)	
24	LVDS-D0E(-)	
25	GND	
26	SPI-RD/CTRL1	
27	RESET	
28	SPI-WR/CTRL2	
29	SPI-CS/CTRL3	
30	SCL/CTRL4	
31	SDA/CTRL5	
32	GND	
33	SPI-CLK	
34	SELLVDS	
35	LVDS-D4O(+)	
36	LVDS-D4O(-)	
37	LVDS-D3O(+)	
38	LVDS-D3O(-)	
39	GND	
40	LVDS-OCLK(+)	
41	LVDS-OCLK(-)	
42	GND	
43	LVDS-D2O(+)	
44	LVDS-D2O(-)	
45	LVDS-D1O(+)	
46	LVDS-D1O(-)	
47	LVDS-D0O(+)	
48	LVDS-D0O(-)	
49	GND	
50	GND	
51	GND	

1	KEY-IN1	1
2	GND	2

1	KEY-IN1	1
2	LED-R	2
3	LED1	3
4	AL+3.3V	4
5	REMOTE	5
6	GND	6
7	LIGHT-SENSOR	7

1	SP(L)-	
2	SP(L)+	

1	SP(R)-	
2	SP(R)+	

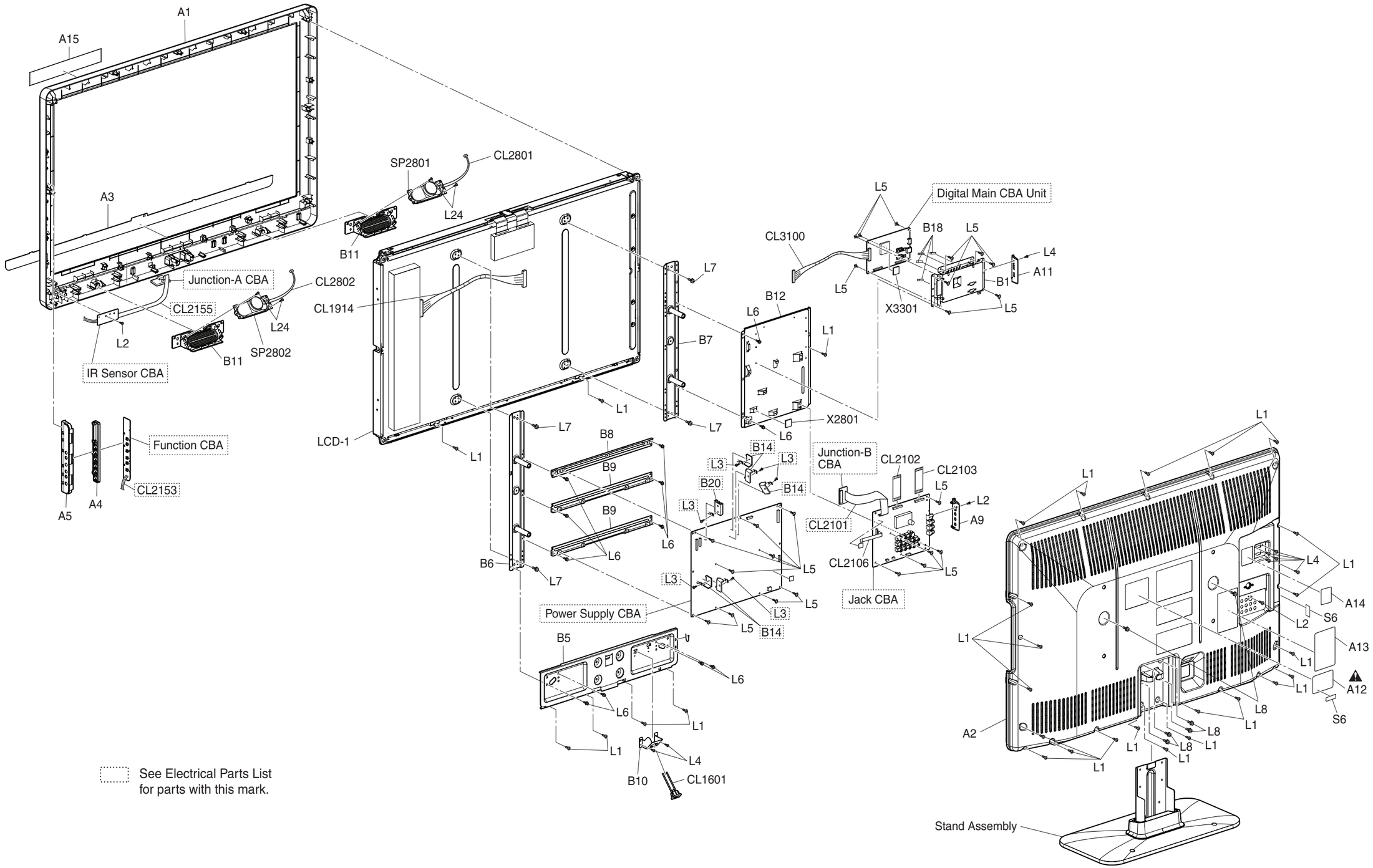
1	TUNER+35V	
2	LCD+12V	
3	LCD+12V	
4	GND	
5	GND	
6	P-ON+3.3V	
7	GND	
8	P-ON+7.5V	
9	GND	
10	P-ON+3.5V	
11	GND	
12	P-ON+5V	
13	GND	
14	AMP+24V	
15	GND	

13	AL+4.3V	
12	AL+4.3V	
11	GND	
10	GND	
9	GND	
8	P-ON-H1	
7	P-ON-H2	
6	POWER-RESET	
5	BACKLIGHT-ADJ	
4	BACKLIGHT-SW	
3	PROTECT1	
2	PROTECT3	
1	GND	

1	PANEL+24V	
2	PANEL+24V	
3	PANEL+24V	
4	PANEL+24V	
5	PANEL+24V	
6	GND	
7	GND	
8	GND	
9	GND	
10	GND	
11	PROTECT3	
12	BACKLIGHT-SW	
13	NU	
14	BACKLIGHT-ADJ	

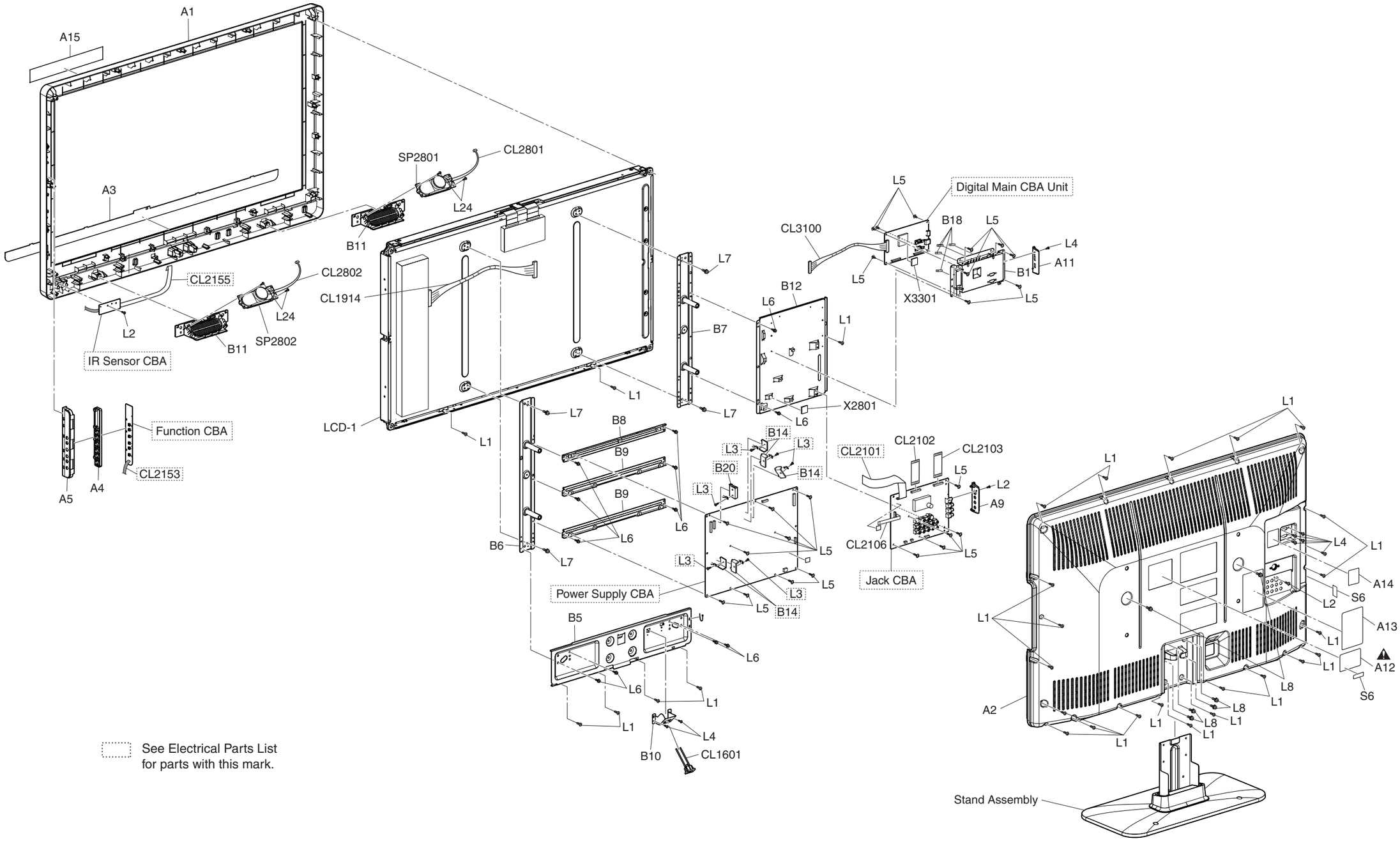
EXPLODED VIEWS

Cabinet [40MF430B/F7 (Serial No. : DS1A), LC407SS1 (Serial No. : DS1A, DS2A), LC407EM1]



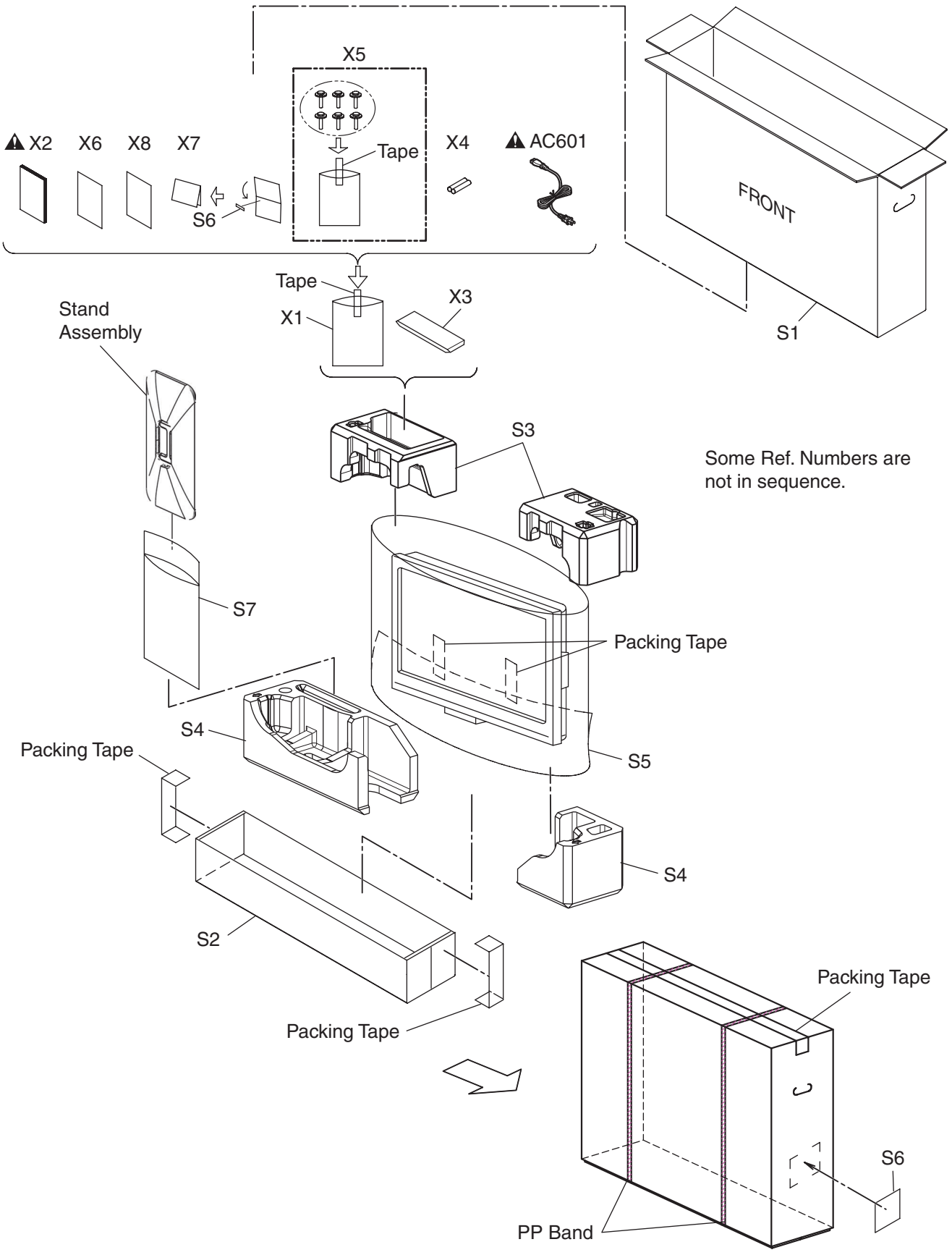
See Electrical Parts List for parts with this mark.

Cabinet [40MF430B/F7 (Serial No. : DS2A), LC407SS1 (Serial No. : DS3A)]



See Electrical Parts List for parts with this mark.

Packing


X5
⚠ X2
X6
X8
X7
S6
Tape
X4
⚠ AC601
FRONT
S1
Tape
X1
X3
Stand
Assembly
S3
Some Ref. Numbers are
not in sequence.
S7
Packing Tape
S4
Packing Tape
S5
S4
S2
Packing Tape
Packing Tape
S6
PP Band

PARTS LIST [40MF430B/F7]

Mechanical Parts

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that are not assigned part numbers (---------) are not available.

Ref. No.	Description	Part No.
	STAND ASSEMBLY A01P0UH	1ESA23094
A1	FRONT CABINET A01P0UH	1EM024765A
A2	REAR CABINET A01P0UH	1EM024766
A3	DECORATION PLATE A01PBUH	1EM025606
A4	FUNCTION KNOB A01P0UH	1EM223723
A5	KNOB FRAME A01P0UH	1EM223724
A9	JACK HOLDER(A) A01P0UH	1EM223663
A11	JACK HOLDER(D) A01P3UH	1EM223804
A12⚠	RATING LABEL A01PBUH	---------
A13	JACK LABEL(A) A01P0UH	1EM430477
A14	JACK LABEL(D) A01P0UH	1EM430478
A15	POP LABEL A01P1UH	---------
B1	SHIELD BOX(Z) A01P0UH	1EM124034
B5	STAND BRACKET A01P0UH	1EM024771
B6	WALL MOUNT BRACKET(L) A01P0UH	1EM024773
B7	WALL MOUNT BRACKET(R) A01P0UH	1EM024770
B8	PCB HOLDER(U) A01P0UH	1EM223667
B9	PCB HOLDER(D) A01P0UH	1EM223668
B10	AC INLET HOLDER A01P0UH	1EM327037
B11	SPEAKER HOLDER A01P0UH	1EM124113
B12	JACK PCB HOLDER A01P0UH	1EM124033
B18	GASKET A8AF0UH	1EM425861
CL1601	WIRE ASSEMBLY 2PIN 2PIN/105MM	WX1A01P0-207
CL1914	WIRE ASSEMBLY 14PIN 14PIN/240MM	WX1A01P0-203
CL2102	WIRE ASSEMBLY 29PIN FFC 29PIN 50MM	WX1A94H0-101
CL2103	WIRE ASSEMBLY 29PIN FFC 29PIN 50MM	WX1A94H0-101
CL2106	WIRE ASSEMBLY 13PIN FFC 13PIN/120MM	WX1A01P0-101
CL2801	WIRE ASSEMBLY 2PIN 2PIN/190MM	WX1A01P0-211
CL2802	WIRE ASSEMBLY 2PIN 2PIN/720MM	WX1A01P0-212
CL3100	WIRE ASSEMBLY LVDS 51PIN/350MM	WX1A01P0-306
L1	SCREW P-TIGHT M4X14 BIND HEAD+BLK	GBHP4140
L2	SCREW P-TIGHT 3X10 BIND HEAD+	GBHP3100
L4	S-TIGHT SCREW M3X6 BIND HEAD+BLACK	GBHS3060
L5	ASSEMBLED SCREW (D9 M3X6) A71F0UH	1EM424392B
L6	SCREW SEMS M4X8 PAN HEAD +	FPJ34080
L7	DOUBLE SEMS SCREW M5X8 M5X8 PAN HEAD+	FPJ35080
L8	DOUBLE SEMS SCREW M5X12 BLK M5X12PAN HEAD +BLK	FPH35120
L24	SHOULDER SCREW A01Q0UF	1EM328277
LCD-1	40W TFT-LCD MODULE LK400D3LA14	UDULCD0SH005
SP2801	SPEAKER MAGNETIC S0412F19	DS08120XQ001
SP2802	SPEAKER MAGNETIC S0412F19	DS08120XQ001
X2801	THERMOSTAR TMS-L-2(12*12HC)	XK10000X4003
X3301	THERMOSTAR TMS-L-2(12*12HC)	XK10000X4003

Ref. No.	Description	Part No.
	PACKING	
S1	CARTON (U) A01PBUH	1EM328142
S2	CARTON(L) A01P0UH	1EM327137
S3	STYROFOAM TOP A01P0UH	1EM025445
S4	STYROFOAM BOTTOM A01P0UH	1EM025446
S5	SET BAG A91H2UH	1EM325897
S6	SERIAL NO. LABEL A01PBUH	---------
S7	STAND BAG A91H2UH	1EM428517
	ACCESSORIES	
AC601⚠	CORD W/O A GND WIRE UL/CSA/ 162/NO/ BLACK	WAV0162LW001
X1	BAG POLYETHYLENE 235X365XT0.03	0EM408420A
X2⚠	OWNERS MANUAL A01PBUH	1EMN26219
X3	REMOTE CONTROL NF804UD	NF804UD
X4	DRY BATTERY R03/2S	XB0M451T0006
X5	STAND SCREW KIT A01P0UH	1ESA23096
X6	QUICK START GUIDE A01PBUH	1EMN26359
X7	REGISTRATION CARD (MAGNAVOX) A94F0UH	1EMN24699
X8	CHILD SAFETY SHEET A94F0UH	1EMN24439

Electrical Parts

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTES:

1. Parts that are not assigned part numbers (---------) are not available.
2. Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25% D.....±0.5% F.....±1%

G.....±2% J.....±5% K.....±10%

M.....±20% N.....±30% Z.....+80/-20%

DIGITAL MAIN CBA UNIT

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A01PBMMA-001

POWER SUPPLY CBA

Ref. No.	Description	Part No.
	POWER SUPPLY CBA Consists of the following:	A01P1MPW-001
	CAPACITORS	
C603	POLYESTER FILM CAP. (PB FREE) 0.047µF/ 100V J	CA2A473DT018
C604	CERAMIC CAP. RB 100pF/2KV	CA3D101TE006
C605	POLYESTER FILM CAP. (PB FREE) 0.0015µF/ 100V J	CA2A152DT018
C606	POLYESTER FILM CAP. (PB FREE) 0.1µF/100V J	CA2A104DT018
C607	POLYESTER FILM CAP. (PB FREE) 0.0022µF/ 100V J	CA2A222DT018
C609	ELECTROLYTIC CAP. 1000µF/25V M	CE1EMZNDL102
C651	CERAMIC CAP. BL 1500pF/2KV	CA3D152XF003
C652	ELECTROLYTIC CAP. 33µF/50V M	CE1JMASDL330
C654	ELECTROLYTIC CAP. 1000µF/35V M	CE1GMZNDL102
C657	ELECTROLYTIC CAP. 2200µF/25V M	CE1EMZNDL222
C659	ELECTROLYTIC CAP. 2200µF/10V M	CE1AMZNDL222
C660	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C662	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C663	ELECTROLYTIC CAP. 470µF/10V M	CE1AMASDL471
C664	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C665	ELECTROLYTIC CAP. 1000µF/6.3V M	CE0KMASDL102
C666	POLYESTER FILM CAP. (PB FREE) 0.1µF/100V J	CA2A104DT018
C668⚠	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C670	ELECTROLYTIC CAP. 1000µF/6.3V M	CE0KMASDL102
C1101	ELECTROLYTIC CAP. 100µF/25V M	CE1EMASDL101
C1102	ELECTROLYTIC CAP. 1000µF/16V M	CE1CMZNDL102
C1104	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1105	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASDL1R0
C1106	CHIP CERAMIC CAP. B K 1200pF/50V	CHD1JK30B122
C1201⚠	ELECTROLYTIC CAP 33µF/200V M	CE2DMZNDL330
C1202	CAP CERAMIC HV 1000pF/1KV B K	CA3A102TE006
C1203	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1204	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASDL1R0
C1205	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1206	CHIP CERAMIC CAP. B K 330pF/50V	CHD1JK30B331
C1208	CAP CERAMIC SL J 15pF/2KV	CCD3DJNSL150
C1210	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1401	CHIP CERAMIC CAP. B K 1200pF/50V	CHD1JK30B122
C1402	ELECTROLYTIC CAP. 4.7µF/50V M	CE1JMASDL4R7
C1403	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1404	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C1405	CHIP CERAMIC CAP. B K 1200pF/50V	CHD1JK30B122
C1406	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1407	CHIP CERAMIC CAP. B K 1200pF/50V	CHD1JK30B122
C1408	ELECTROLYTIC CAP. 33µF/50V M	CE1JMASDL330
C1409	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1410	CHIP CERAMIC CAP.(1608) B K 0.022µF/50V	CHD1JK30B223
C1411	ELECTROLYTIC CAP. 100µF/25V M	CE1EMASDL101
C1412	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1413⚠	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1414	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1415	CHIP CERAMIC CAP.(1608) CH J 22pF/50V	CHD1JJ3CH220
C1416	CHIP CERAMIC CAP.(1608) CH J 22pF/50V	CHD1JJ3CH220
C1417	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1601⚠	CAP METALIZED FILM 1.0µF/310V /K/LE-MX	CTA1050DC001
C1602⚠	CAP METALIZED FILM 0.1µF/310V /K/LE-MX	CTA1040DC001
C1603⚠	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1604⚠	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1605⚠	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1606⚠	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1607	CAP METALIZED FILM J1.0µF/630V/J/MPEF	CA2K105DT048
C1610⚠	CAP METALIZED FILM 0.22µF/310V /K/LE-MX	CTA2240DC001
C1612	CAP ELECTROLYTIC 150µF/400V/M/25/30	CA2H151DYG18
C1618	CERAMIC CAP. BL 1500pF/2KV	CA3D152XF003
C1620	CERAMIC CAP. BL 1500pF/2KV	CA3D152XF003
C1621	CERAMIC CAP. BL 1500pF/2KV	CA3D152XF003
C1701	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C1702	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1703	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1704	ELECTROLYTIC CAP. 22µF/50V M	CE1JMASDL220
C1705	CHIP CERAMIC CAP.(1608) B K 4700pF/50V	CHD1JK30B472
C1706	CERAMIC CAP. B K 100pF/1KV	CCD3AKD0B101
C1707	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1708	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C1709	CHIP CERAMIC CAP. B K 330pF/50V	CHD1JK30B331
C1710	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1711	CHIP CERAMIC CAP.(1608) B K 0.47µF/16V	CHD1CK30B474
C1712	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C1713	ELECTROLYTIC CAP. 22µF/50V M	CE1JMASDL220
C1714	CAP METALIZED FILM J0.039µF/630V/J/MPEF	CA2K393DT045
C1715	CHIP CERAMIC CAP.(1608) B K 4700pF/50V	CHD1JK30B472
C1716	ELECTROLYTIC CAP. 33µF/50V M	CE1JMASDL330
C1717	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1718	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1719	ELECTROLYTIC CAP. 4.7µF/50V M H7	CE1JMAVSL4R7
C1720	CHIP CERAMIC CAP.(1608) B K 0.047µF/50V	CHD1JK30B473
C1721	ELECTROLYTIC CAP. 47µF/50V M	CE1JMASDL470
C1722	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1723	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1725	ELECTROLYTIC CAP. 3300µF/35V M	CE1GMZNDL332
C1726	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104

Ref. No.	Description	Part No.
C1727	ELECTROLYTIC CAP. 3300μF/35V M	CE1GMZNDL332
C1731	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C1732	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C1733	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C1802	ELECTROLYTIC CAP. 2200μF/35V M	CE1GMZNDL222
C1804	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
CONNECTORS		
CN1601⚠	CONNECTOR B2P3-VH(LF)(SN)	J3VH020JG001
CN1801	FFC CONNECTOR IMSA-9615S-13A-PP-A	JC96J13ER007
CN1802	242 SERIES CONNECTOR 224202115W1	J322C15TG001
CN1914	CONNECTOR PRINT OSU B14B-PH-K-S(LF)(SN)	J3PHC14JG029
DIODES		
D606⚠	DIODE ZENER 39BSB-T26	NDTB039BST26
D607⚠	DIODE ZENER 27BSB-T26	NDTB027BST26
D609	DIODE ZENER 5V6BSB-T26	NDTB5R6BST26
D610⚠	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D611⚠	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D613	DIODE FAST RECOVERY FR103-B/P	NDWZ0FR103BP
D614	DIODE ZENER 24BSB-T26	NDTB024BST26
D615	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D651	DIODE FR104-B	NDLZ000FR104
D652	DIODE ZENER 1ZB43BB	NDWZ0001ZB43
D656	DIODE SHOTTKY SB3200BR	NDWZ3200D027
D657	DIODE ZENER 1ZB36BB	NDWZ0001ZB36
D659	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D660	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D662	DIODE SCHOTTKY SB360BH	NDWZ000SB360
D664	SHUNT REGULATOR KIA431B-AT/P	NSZBA0TJY038
D665	DIODE FAST RECOVERY FR151-B/P	NDWZ0FR151BP
D666	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D667	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D668	SHUNT REGULATOR KIA431B-AT/P	NSZBA0TJY038
D670	DIODE SCHOTTKY SB230BD	NDWZ000SB230
D672	DIODE SCHOTTKY SB3A0BH	NDWZ000SB3A0
D673	DIODE SCHOTTKY SB3A0BH	NDWZ000SB3A0
D676	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D1101	DIODE FR104-B	NDLZ000FR104
D1102	SCHOTTKY BARRIER DIODE SB240-B/P	NDWZ000SB240
D1103	SHUNT REGULATOR KIA2431AP-AT/P	NSZBA0TJY054
D1104	DIODE ZENER 6V8BSB-T26	NDTB6R8BST26
D1106	DIODE FR104-B	NDLZ000FR104
D1201⚠	DIODE 1N5397BD	NDL1001N5397
D1202⚠	DIODE 1N5397BD	NDL1001N5397
D1203⚠	DIODE 1N5397BD	NDL1001N5397
D1204⚠	DIODE 1N5397BD	NDL1001N5397
D1205	DIODE SCHOTTKY BARRIER 1H8-A2	NDTZ0001H8A2
D1206	DIODE FR104-B	NDLZ000FR104
D1207	DIODE ZENER 33BSB-T26	NDTB033BST26
D1209⚠	DIODE ZENER 39BSB-T26	NDTB039BST26
D1210⚠	DIODE ZENER 39BSB-T26	NDTB039BST26
D1211⚠	DIODE ZENER 39BSB-T26	NDTB039BST26
D1215	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D1401	DIODE ZENER 18BSB-T26	NDTB018BST26
D1402	DIODE ZENER HZS24NB3TE-EQ	QDTCHZS24NB3
D1603⚠	DIODE ZENER 27BSB-T26	NDTB027BST26
D1604	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1605⚠	DIODE ZENER 27BSB-T26	NDTB027BST26
D1606	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1607⚠	DIODE GENERAL PURPOSE 1N5406-BU	NDLZ1N5406BU
D1608⚠	DIODE GENERAL PURPOSE 1N5406-BU	NDLZ1N5406BU
D1609⚠	DIODE GENERAL PURPOSE 1N5406-BU	NDLZ1N5406BU
D1610⚠	DIODE GENERAL PURPOSE 1N5406-BU	NDLZ1N5406BU

Ref. No.	Description	Part No.
D1703	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D1704	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D1705⚠	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D1706	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
D1707	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
D1708	DIODE ZENER 4V7BSB-T26	NDTB4R7BST26
D1710	DIODE ZENER HZS27NB2TE-EQ	QDTBHZS27NB2
D1712	DIODE ZENER 18BSB-T26	NDTB018BST26
D1713	DIODE ZENER HZS27NB4TE-EQ	QDTDHZS27NB4
D1716	DIODE ZENER 18BSB-T26	NDTB018BST26
D1719	DIODE SWITCHING 1N4148-F0021	NDTZ01N4148F
D1720	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1721	DIODE SHOTTKY FCHS20A08	QDWZCHS20A08
D1802	DIODE ZENER 5V1BSB-T26	NDTB5R1BST26
ICS		
IC601⚠	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1201⚠	IC SWITCHING POWER SUPPLY MIP2F30MSSCF DIP7-A1	QSCA0S0MS012
IC1202⚠	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1401⚠	IC DUAL-PHASE PFC CONTROLLER HPA00651DR/SOIC	NSCA0T0TY015
IC1702	IC 0V-SWITCHING RESONANT CONVE TEA1611T/N1.518	NSCA0TNXP002
IC1703⚠	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1704⚠	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1705⚠	PHOTO COUPLER LTV817MCF	NPECLTV817MF
COILS		
L1601⚠	LINE FILTER 86H-8319B	LLEG0ZDEL001
L1602⚠	LINE FILTER 86H-8319B	LLEG0ZDEL001
When you replace one of the below Coils on this CBA, please replace with the one that has same parts number. Do not mix different parts number's Coil.		
L1603⚠	COIL EF 9702	LLEE0Z0KT001
L1604⚠	COIL EF 9702	LLEE0Z0KT001
or		
L1603⚠	COIL EF JLC2518	LLEE0Z0XB007
L1604⚠	COIL EF JLC2518	LLEE0Z0XB007
TRANSISTORS		
Q601⚠	MOS FET 2SK3798(Q.M)	QFQZSK3798QM
Q602⚠	TRANSISTOR 2SC2120-O(TE2 F T)	QQS02SC2120F
Q652	NPN TRANSISTOR POWER 2SC4881F HFE MAX320	QQWZ2SC4881F
Q653	NPN TRANSISTOR POWER 2SC4881F HFE MAX320	QQWZ2SC4881F
Q1201	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1202	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1401	TRANSISTOR 2SC2120-O(TE2 F T)	QQS02SC2120F
Q1402	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q1403	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1404	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1601⚠	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1602⚠	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1701⚠	FET MOS TK5A50D(FUNAI	QEWZTK5A50DQ
Q1702⚠	FET MOS TK5A50D(FUNAI	QEWZTK5A50DQ
Q1703	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1704	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1705	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1706	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q1707	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1708	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
RESISTORS		
R601	RES CHIP 3216 1/4W J 390k Ω	RRX4394HH034
R602	RES CHIP 3216 1/4W J 390k Ω	RRX4394HH034
R603	RES CHIP 3216 1/4W J 390k Ω	RRX4394HH034
R604	RES CHIP 3216 1/4W J 390k Ω	RRX4394HH034

Ref. No.	Description	Part No.
R607	RES CARBON FILM T 1/4W J 180 Ω	RCX4181T1001
R608	RES CARBON FILM T 1/4W J 180 Ω	RCX4181T1001
R609⚠	METAL OXIDE FILM RES. 2W J 0.75 Ω	RN02R75ZU001
R610	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R611	RES CHIP 3216 1/4W J 390k Ω	RRX4394HH034
R612	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R613	RES CARBON FILM T 1/4W J 1.5k Ω	RCX4152T1001
R614	RES CARBON FILM T 1/4W J 390 Ω	RCX4391T1001
R615	RES CARBON FILM T 1/4W J 390 Ω	RCX4391T1001
R616	RES CARBON FILM T 1/4W J 150 Ω	RCX4151T1001
R617	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R662	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R663	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R669	METAL RESISTER. 2W J 0.56 Ω	RN02R56ZU001
R670	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R671	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R672	RES CARBON FILM T 1/4W J 22 Ω	RCX4220T1001
R673	RES CHIP,(1608) 1/10W D 10k Ω	RRXADR5H1002
R674	RES CHIP,(1608) 1/10W D 1.1k Ω	RRXADR5H1101
R675	RES CHIP,(1608) 1/10W D 10k Ω	RRXADR5H1002
R679	RES. CARBON FILM J 1/2W J 1.5 Ω	RCX21R5T1003
R680	RES CARBON FILM T 1/4W J 150 Ω	RCX4151T1001
R681	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R682	CHIP RES. 1/10W F 3.3k Ω	RRXAFR5H3301
R683	CHIP RES. 1/10W F 10k Ω	RRXAFR5H1002
R685	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R686	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R687	RES CARBON FILM T 1/4W J 2.7k Ω	RCX4272T1001
R688	CHIP RES. 1/10W F 510 Ω	RRXAFR5H5100
R689	CHIP RES. 1/10W F 10k Ω	RRXAFR5H1002
R690	CHIP RES. 1/10W F 2.7k Ω	RRXAFR5H2701
R692	CHIP RES. 1/10W F 220 Ω	RRXAFR5H2200
R1101	CHIP RES. 1/10W F 68k Ω	RRXAFR5H6802
R1102	CHIP RES. 1/10W F 51.0 k Ω	RRXAFR5H5102
R1103	CHIP RES. 1/10W F 47.0 k Ω	RRXAFR5H4702
R1104	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R1105	CHIP RES. 1/10W J 390 Ω	RRXAJR5Z0391
R1106	CHIP RES. 1/10W F 20k Ω	RRXAFR5H2002
R1107	CHIP RES. 1/10W F 91.0 k Ω	RRXAFR5H9102
R1108	CHIP RES. 1/10W J 2.2 Ω	RRXAJR5Z02R2
R1110	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R1201⚠	METAL OXIDE FILM RES. 2W J 1 Ω	RN021R0ZU001
R1202	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R1203	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R1204	RES CARBON FILM T 1/4W J 22 Ω	RCX4220T1001
R1205	CHIP RES. 1/10W J 470k Ω	RRXAJR5Z0474
R1206	CHIP RES. 1/10W J 36k Ω	RRXAJR5Z0363
R1209	CHIP RES. 1/10W J 6.8k Ω	RRXAJR5Z0682
R1210	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1214	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R1216	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1226	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1401	RES CHIP 3216 1/4W F 825k Ω	RTC8253HH020
R1402	RES CHIP 3216 1/4W F 825k Ω	RTC8253HH020
R1403	RES CHIP 3216 1/4W F 619k Ω	RTC6193HH020
R1404	RES CHIP 3216 1/4W F 619k Ω	RTC6193HH020
R1405	CHIP RES. 1/10W F 51.1 k Ω	RRXAFR5H5112
R1406	CHIP RES. 1/10W J 120k Ω	RRXAJR5Z0124
R1407	CHIP RES. 1/10W F 2.74 k Ω	RRXAFR5H2741
R1408	CHIP RES. 1/10W F 33.2 k Ω	RRXAFR5H3322
R1409	CHIP RES. 1/10W J 5.6k Ω	RRXAJR5Z0562
R1410	RES CARBON FILM T 1/4W J 47 Ω	RCX4470T1001
R1411	RES CARBON FILM T 1/4W J 560 Ω	RCX4561T1001

Ref. No.	Description	Part No.
R1412	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R1413	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R1414	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1415	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R1416	CHIP RES. 1/10W J 39k Ω	RRXAJR5Z0393
R1417	RES CHIP 3216 1/4W F 100k Ω	RTC1003HH020
R1418	RES CHIP 3216 1/4W F 100k Ω	RTC1003HH020
R1419	RES CHIP 3216 1/4W F 100k Ω	RTC1003HH020
R1420	CHIP RES. 1/10W F 26.7 k Ω	RRXAFR5H2672
R1421	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1422	RES CHIP 3216 1/4W F 100k Ω	RTC1003HH020
R1423	CHIP RES. 1/10W J 220k Ω	RRXAJR5Z0224
R1424	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R1425	RES CHIP 3216 1/4W F 825k Ω	RTC8253HH020
R1426	RES CHIP 3216 1/4W F 825k Ω	RTC8253HH020
R1427	RES CHIP 3216 1/4W F 619k Ω	RTC6193HH020
R1428	RES CHIP 3216 1/4W F 619k Ω	RTC6193HH020
R1429	CHIP RES. 1/10W F 47.0 k Ω	RRXAFR5H4702
R1430	RES CHIP 3216 1/4W F 825k Ω	RTC8253HH020
R1431	RES CHIP 3216 1/4W F 825k Ω	RTC8253HH020
R1432	RES CHIP 3216 1/4W F 619k Ω	RTC6193HH020
R1433	RES CHIP 3216 1/4W F 619k Ω	RTC6193HH020
R1434	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1436	RES CARBON FILM T 1/4W J 18k Ω	RCX4183T1001
R1437	RES CARBON FILM T 1/4W J 47 Ω	RCX4470T1001
R1438	RES CARBON FILM T 1/4W J 560 Ω	RCX4561T1001
R1439	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R1440	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1441	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1603	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R1604	RES CEMENT 5W J 0.022 Ω	RWJL22PAK002
R1605	RES CARBON FILM T 1/4W J 4.7 Ω	RCX44R7T1001
R1606	RES CARBON FILM T 1/4W J 4.7 Ω	RCX44R7T1001
R1607	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R1609	GLASS GLAZE RES. 1/2W J 3.3M Ω	RXX2JZLZ0335
R1701	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R1702	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R1703	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R1704	RES CARBON FILM T 1/4W J 3.3k Ω	RCX4332T1001
R1705	CHIP RES. 1/10W J 39k Ω	RRXAJR5Z0393
R1706	CHIP RES. 1/10W J 470 Ω	RRXAJR5Z0471
R1707	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1708	CHIP RES. 1/10W J 68k Ω	RRXAJR5Z0683
R1709	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R1710	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R1711	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R1712	CHIP RES. 1/10W J 68k Ω	RRXAJR5Z0683
R1713	RES CARBON FILM T 1/4W J 47 Ω	RCX4470T1001
R1714	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R1715	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R1716	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1717	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R1718	RES CARBON FILM T 1/4W J 47 Ω	RCX4470T1001
R1719	CEMENT RESISTOR 2W J 0.18 Ω	RWJR18PAK001
R1720	CEMENT RESISTOR 2W J 0.18 Ω	RWJR18PAK001
R1722	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1724	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1725	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R1726	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1727	CHIP RES. 1/10W J 5.1k Ω	RRXAJR5Z0512
R1728	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R1729	CHIP RES. 1/10W J 220 Ω	RRXAJR5Z0221
R1730	RES CARBON FILM T 1/4W J 150 Ω	RCX4151T1001

Ref. No.	Description	Part No.
R1731	CHIP RES. 1/10W J 2.7k Ω	RRXAJR5Z0272
R1732	RES CARBON FILM T 1/4W J 3.9k Ω	RCX4392T1001
R1734	CHIP RES. 1/10W F 3.9k Ω	RRXAFR5H3901
R1735	CHIP RES. 1/10W F 6.8k Ω	RRXAFR5H6801
R1736	CHIP RES. 1/10W F 8.2k Ω	RRXAFR5H8201
R1737	CHIP RES. 1/10W F 2.2k Ω	RRXAFR5H2201
R1738	CHIP RES. 1/10W J 2.7k Ω	RRXAJR5Z0272
R1739	CHIP RES. 1/10W J 390 Ω	RRXAJR5Z0391
R1740	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1741	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1742	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R1743	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R1744	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1745	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1746	RES CARBON FILM T 1/4W J 150 Ω	RCX4151T1001
R1747	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1748	RES CARBON FILM T 1/4W J 6.8k Ω	RCX4682T1001
R1802	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R1803	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1806	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
	MISCELLANEOUS	
B14	POW HEAT SINK A7120UH	1EM423993
B20	HEAT SINK EAJ ASSEMBLY A81H0UH	1EM424644
BC602	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1201	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1202	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1203	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1701	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC1702	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC1703	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC1704	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
F1601⚠	FUSE 8A/250V(PB FREE) 0215008.MXP	PBGZ20BAG022
FH1603	FUSE HOLDER MSF-015 LF (B110)	XH01Z00LY002
FH1604	FUSE HOLDER MSF-015 LF (B110)	XH01Z00LY002
JS1801	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L3	SCREW B-TIGHT D3X8 BIND HEAD+	GBJB3080
RL1201⚠	RELAY SDT-SS-105DM	MRLEC05QN001
SA1601⚠	SURGE ABSORBER 470V+-10PER	NVQZ10D471KB
T601⚠	TRANS POWER BCK-35-0742	LTT3PC0XB060
T1201⚠	TRANS POWER 27H-9003D	LTT1PCDEL001
T1701⚠	TRANS INV SRX40ER-P240000G8501	LTZ4PZ0TE001

JACK ASSEMBLY

Ref. No.	Description	Part No.
	JACK ASSEMBLY Consists of the following:	A01PBMJC-001
	JACK CBA JUNCTION-B CBA ---------- FUNCTION CBA IR SENSOR CBA JUNCTION-A CBA	A01PBMJC-001-JKJN ---------- A01PBMJC-001-FNIRJN

JACK CBA

Ref. No.	Description	Part No.
	JACK CBA Consists of the following:	----------
	CAPACITORS	
C2101	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL1R0
C2102	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2103	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2104	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2105	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2106	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2120	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C2123	ELECTROLYTIC CAP. 33μF/16V M H7	CE1CMAVSL330
C2301	CHIP CERAMIC CAP.(1608) B K 0.1μF/50V	CHD1JK30B104
C2302	CHIP CERAMIC CAP.(1608) CH J 10pF/50V	CHD1JJ3CH100
C2303	CHIP CERAMIC CAP.(1608) CH J 10pF/50V	CHD1JJ3CH100
C2304	CHIP CERAMIC CAP.(1608) CH J 47pF/50V	CHD1JJ3CH470
C2305	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C2306	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2307	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C2308	CHIP CERAMIC CAP.(1608) CH J 47pF/50V	CHD1JJ3CH470
C2309	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2311	ELECTROLYTIC CAP. 330μF/10V M	CE1AMASDL331
C2631	ELECTROLYTIC CAP. 220μF/6.3V M	CE0KMASDL221
C2632	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C2633	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2634	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2635	CHIP CERAMIC CAP. B K 10μF/10V	CHE1AK30B106
C2636	CHIP CERAMIC CAP. CH J 560pF/50V	CHD1JJ3CH561
C2639	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C2644	ELECTROLYTIC CAP. 330μF/25V M	CE1EMASDL331
C2645	ELECTROLYTIC CAP. 220μF/10V M	CE1AMASDL221
C2646	ELECTROLYTIC CAP. 1000μF/6.3V M	CE0KMASDL102
C2647	ELECTROLYTIC CAP. 100μF/16V M	CE1CMASDL101
C2648	ELECTROLYTIC CAP. 220μF/10V M	CE1AMASDL221
C2649	ELECTROLYTIC CAP. 220μF/6.3V M	CE0KMASDL221
C2650	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL1R0
C2701	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C2702	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C2703	ELECTROLYTIC CAP. 10μF/50V M H7	CE1JMAVSL100
C2704	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C2705	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C2706	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2707	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C2708	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2709	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2710	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2711	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2712	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2713	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C2714	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2715	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2716	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2717	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C2718	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C2719	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2720	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C2721	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2722	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2723	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2724	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2725	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2726	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2727	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2728	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2733	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2734	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2735	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C2736	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C2737	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C2738	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C2745	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225

Ref. No.	Description	Part No.
C2746	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2747	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2748	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2751	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2752	ELECTROLYTIC CAP. 47μF/16V M H7	CE1CMAVSL470
C2753	ELECTROLYTIC CAP. 10μF/50V M H7	CE1JMAVSL100
C2754	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2755	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2756	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2757	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2760	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2761	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2762	ELECTROLYTIC CAP. 100μF/16V M H7	CE1CMAVSL101
C2763	ELECTROLYTIC CAP. 100μF/10V M H7	CE1AMAVSL101
C2766	CHIP CERAMIC CAP.(1608) CH J 68pF/50V	CHD1JJ3CH680
C2801	CHIP CERAMIC CAP.(1608) B K 3300pF/50V	CHD1JK30B332
C2802	CHIP CERAMIC CAP.(1608) B K 3300pF/50V	CHD1JK30B332
C2803	CHIP CERAMIC CAP. (1608) B K 1μF/16V	CHD1CK30B105
C2804	CHIP CERAMIC CAP. (1608) B K 1μF/16V	CHD1CK30B105
C2805	ELECTROLYTIC CAP. 470μF/35V M	CE1GMZNDL471
C2806	ELECTROLYTIC CAP. 470μF/35V M	CE1GMZNDL471
C2809	CHIP CERAMIC CAP.(1608) B K 0.1μF/50V	CHD1JK30B104
C2810	CHIP CERAMIC CAP.(1608) B K 0.1μF/50V	CHD1JK30B104
C2811	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C2812	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C2813	CHIP CERAMIC CAP.(1608) B K 0.1μF/50V	CHD1JK30B104
C2814	CHIP CERAMIC CAP.(1608) B K 0.1μF/50V	CHD1JK30B104
C2815	CHIP CERAMIC CAP. (1608) B K 1μF/16V	CHD1CK30B105
C2816	CHIP CERAMIC CAP. B K 10μF/10V	CHE1AK30B106
C2817	CHIP CERAMIC CAP. B K 10μF/10V	CHE1AK30B106
C2818	CHIP CERAMIC CAP. B K 10μF/10V	CHE1AK30B106
C2819	CHIP CERAMIC CAP.(1608) B K 0.1μF/50V	CHD1JK30B104
C2820	CHIP CERAMIC CAP.(1608) B K 0.033μF/50V	CHD1JK30B333
C2821	CHIP CERAMIC CAP.(1608) B K 2700pF/50V	CHD1JK30B272
C2822	CHIP CERAMIC CAP.(1608) B K 2700pF/50V	CHD1JK30B272
C2823	CHIP CERAMIC CAP.(1608) B K 0.033μF/50V	CHD1JK30B333
C2824	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2825	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C2826	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C2827	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C2828	ELECTROLYTIC CAP. 100μF/16V M H7	CE1CMAVSL101
C2829	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2830	ELECTROLYTIC CAP. 4.7μF/50V M H7	CE1JMAVSL4R7
C2831	ELECTROLYTIC CAP. 4.7μF/50V M H7	CE1JMAVSL4R7
C2832	ELECTROLYTIC CAP. 47μF/25V M H7	CE1EMAVSL470
C2833	ELECTROLYTIC CAP. 47μF/25V M H7	CE1EMAVSL470
C2838	ELECTROLYTIC CAP. 470μF/35V M	CE1GMZNDL471
C2839	ELECTROLYTIC CAP. 220μF/35V M	CE1GMASDL221
C2840	CAP CHIP 3216 B M 10μF/16V	CA1C106TE143
C2841	ELECTROLYTIC CAP. 220μF/35V M	CE1GMASDL221
C2842	METALIZED POLYESTER FILM CAP. 0.39μF/ 50V J	CT1J394DT040
C2843	METALIZED POLYESTER FILM CAP. 0.39μF/ 50V J	CT1J394DT040
C2845	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2848	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C2849	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C2850	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
	CONNECTORS	
CN2102	FFC CONNECTOR IMSA-9615S-29A-PP-A	JC96J29ER007
CN2103	FFC CONNECTOR IMSA-9615S-29A-PP-A	JC96J29ER007
CN2104	242 SERIES CONNECTOR 224202107W1	J322C07TG001
CN2106	FFC CONNECTOR IMSA-9615S-13A-PP-A	JC96J13ER007

Ref. No.	Description	Part No.
CN2801	PH CONNECTOR TOP 2P B2B-PH-K-S (LF)(SN)	J3PHC02JG029
CN2802	CONNECTOR BASE 2P(EH) B 2B-EH-A(LF)(SN)	J3EHC02JG010
	DIODES	
D2402	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D2404	DIODE ZENER 5V1BSB-T26	NDTB5R1BST26
D2405	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D2406	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D2407	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D2409	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D2631	DIODE ZENER 3V9BSB-T26	NDTB3R9BST26
D2632	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D2633	DIODE ZENER 8V2BSB-T26	NDTB8R2BST26
D2638	DIODE ZENER 33BSA-T26	NDTA033BST26
D2801	DIODE ZENER 36BSB-T26	NDTB036BST26
D2802	DIODE ZENER 36BSB-T26	NDTB036BST26
D2805	DIODE ZENER 7V5BSC-T26	NDTC7R5BST26
	ICS	
IC2631	IC REGULATOR AZ2940D-3.3TRE1	NSCA0TBCD017
IC2701	IC WIED BROADWIDTH AV SW BH7645KS2	QSCA0R0RM008
IC2801	IC D-CLASS POWER AMPLIFER R2A15122FP-W00R/HQFP	QSCA0T0HT005
IC2802	IC OP AMP NJM4558M(TE1)-#ZZZB	QSZBA0TJR089
	COILS	
L2301	CHIP INDUCTOR LK1608R22K-T	LLACKB3TUR22
L2303	CHIP INDUCTOR LK1608R22K-T	LLACKB3TUR22
L2304	INDUCTOR 33μH-K-5FT	LLARKBSTU330
L2701	WIRE CP STP-S-0.50	XZ40F0REN001
L2702	WIRE CP STP-S-0.50	XZ40F0REN001
L2801	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L2802	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L2803	WIRE CP STP-S-0.50	XZ40F0REN001
	TRANSISTORS	
Q2401	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q2632	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q2701	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q2801	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q2802	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q2803	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q2804	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q2805	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
	RESISTORS	
R2101	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R2102	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2105	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2106	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2107	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2122	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R2301	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2302	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2304	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2305	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2306	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2403	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R2404	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R2405	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2406	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R2633	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R2634	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R2635	RES CARBON FILM T 1/4W J 22 Ω	RCX4220T1001
R2636	RES CARBON FILM T 1/4W J 680 Ω	RCX4681T1001
R2637	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001

Ref. No.	Description	Part No.
R2655	RES. CARBON FILM J 1/2W J 1.0k Ω	RCX2102T1003
R2701	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R2702	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R2703	CHIP RES. 1/10W J 220 Ω	RRXAJR5Z0221
R2704	CHIP RES. 1/10W J 110 Ω	RRXAJR5Z0111
R2705	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R2707	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2708	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R2710	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R2712	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2713	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2715	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2716	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2718	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R2719	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R2720	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R2721	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R2723	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R2726	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R2727	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2728	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2729	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2730	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2731	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2732	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2734	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2735	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2743	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R2744	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2745	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R2746	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2747	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R2748	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2756	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2757	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2759	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2760	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2762	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2763	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2764	CHIP RES. 1/10W J 33 Ω	RRXAJR5Z0330
R2765	CHIP RES. 1/10W J 33 Ω	RRXAJR5Z0330
R2766	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2767	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2768	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2769	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2770	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2771	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2772	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2801	CHIP RES. 1/10W J 560 Ω	RRXAJR5Z0561
R2802	CHIP RES. 1/10W J 560 Ω	RRXAJR5Z0561
R2803	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R2804	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R2805	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2806	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2807	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R2808	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R2809	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R2811	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2812	METAL OXIDE FILM RES. 2W J 6.8 Ω	RN026R8ZU001
R2813	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R2814	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R2815	CHIP RES. 1/10W J 27k Ω	RRXAJR5Z0273
R2816	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R2817	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R2818	CHIP RES. 1/10W J 8.2k Ω	RRXAJR5Z0822
R2819	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R2820	CHIP RES. 1/10W J 8.2k Ω	RRXAJR5Z0822
R2821	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R2822	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R2823	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R2824	CHIP RES. 1/10W J 39k Ω	RRXAJR5Z0393
R2825	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R2826	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R2827	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R2828	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2829	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R2830	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R2831	CHIP RES. 1/10W J 39k Ω	RRXAJR5Z0393
R2832	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R2833	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R2834	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R2835	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R2837	METAL OXIDE FILM RES. 2W J 6.8 Ω	RN026R8ZU001
R2838	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
	MISCELLANEOUS	
BC2301	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC2701	WIRE CP STP-S-0.50	XZ40F0REN001
BC2702	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC2802	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC2803	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC2804	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC2805	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
CL2101	WIRE ASSEMBLY 15PIN 15PIN/195MM	WX1A01P0-002
JK2701	JACK RCA PCB S ORANGE 01/RCA-101H(OR)	JXRJ010YUQ06
JK2702	JACK SW DIN PCB S 04/DIN-417HA-01	JYEJ040YUQ03
JK2703	JACK RCA PCB S YELLOW 01/RCA-101H(YL)	JXRJ010YUQ05
JK2704	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK2705	JACK SW RCA PCB S RED RCA-102H(RD)	JYRJ010YUQ03
JK2706	JACK SW DIN PCB L DIN-435C(777D)	JYEL040YUQ03
JK2707	JACK RCA PCB L RCA-101S(1)-03	JXRL010YUQ12
JK2708	JACK RCA PCB L RCA-101S(1)-04	JXRL010YUQ13
JK2709	JACK SW RCA PCB L RCA-102F(RD)	JYRL010YUQ05
JK2710	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK2711	JACK SW RCA PCB S RED RCA-102H(RD)	JYRJ010YUQ03
JK2714	JACK RCA PCB S GREEN 01/RCA-101H(GN)	JXRJ010YUQ03
JK2715	JACK RCA PCB S BLUE 01/RCA-101H(BL)	JXRJ010YUQ04
JK2716	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JK2720	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK2721	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JK2801	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK2802	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
TU2301	TUNER UNIT ATSC/NTSC/QAM TDYU4-D02A	UTNATS0AL001

JUNCTION-B CBA

Ref. No.	Description	Part No.
	JUNCTION-B CBA Consists of the following:	---------
	CONNECTOR	
CN2101	242 SERIES CONNECTOR TUC-P15X-B1 WHT ST	JCTUB15TG002

FUNCTION CBA

Ref. No.	Description	Part No.
	FUNCTION CBA Consists of the following:	----------
	CAPACITOR	
C2158	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
	DIODE	
D2152	DIODE ZENER 5V1BSB-T26	NDTB5R1BST26
	RESISTORS	
R2155	RES CARBON FILM T 1/4W G 18kΩ	RCX4183T1002
R2156	RES CARBON FILM T 1/4W G 8.2kΩ	RCX4822T1002
R2157	RES CARBON FILM T 1/4W G 4.7kΩ	RCX4472T1002
R2158	RES CARBON FILM T 1/4W G 2.7kΩ	RCX4272T1002
R2159	RES CARBON FILM T 1/4W G 2.2kΩ	RCX4222T1002
R2160	WIRE CP STP-S-0.50	XZ40F0REN001
R2161	RES CARBON FILM T 1/4W G 2.7kΩ	RCX4272T1002
	SWITCHES	
SW2151	TACT SWITCH SKQSAB	SST0101AL038
SW2152	TACT SWITCH SKQSAB	SST0101AL038
SW2153	TACT SWITCH SKQSAB	SST0101AL038
SW2154	TACT SWITCH SKQSAB	SST0101AL038
SW2155	TACT SWITCH SKQSAB	SST0101AL038
SW2156	TACT SWITCH SKQSAB	SST0101AL038
	MISCELLANEOUS	
CL2153	WIRE ASSEMBLY 2PIN/250MM	WX1A01P0-208

IR SENSOR CBA

Ref. No.	Description	Part No.
	IR SENSOR CBA Consists of the following:	----------
	CAPACITORS	
C2151	ELECTROLYTIC CAP. 47μF/16V M H7	CE1CMAVSL470
C2152	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C2153	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2154	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2157	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C2159	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
	DIODES	
D2151	LED L-53HT	NP4Z000L53HT
D2153	LED GREEN 333GT/E(FNA)	NPWZ33GTEFNA
D2156	O-E DEVICE PHOTO TRANSISTOR JSA-3113B	NPWZJSA3113B
	RESISTORS	
R2151	RES CARBON FILM T 1/4W J 100Ω	RCX4101T1001
R2152	CHIP RES. 1/10W J 3.3kΩ	RRXAJR5Z0332
R2153	CHIP RES. 1/10W J 220Ω	RRXAJR5Z0221
R2154	CHIP RES. 1/10W J 1kΩ	RRXAJR5Z0102
R2163	CHIP RES. 1/10W J 220Ω	RRXAJR5Z0221
R2165	WIRE CP STP-S-0.50	XZ40F0REN001
R2166	CHIP RES. 1/10W F 82.0 kΩ	RRXAFR5H8202
	MISCELLANEOUS	
B44	SENSOR HOLDER A01Q0UF	1EM328018
CL2155	WIRE ASSEMBLY 7PIN 7PIN/910MM/RED GLAY	WX1A01P0-003
RS2151	SENSOR REMOTE RECEIVER KSM-712TH2E	USESJRSKK044

JUNCTION-A CBA

Ref. No.	Description	Part No.
	JUNCTION-A CBA Consists of the following:	----------
	CONNECTOR	
CN2151	242 SERIES CONNECTOR TUC-P07X-B1 WHT ST	JCTUB07TG002

PARTS LIST [LC407SS1 (Serial No. : DS2A)]

Mechanical Parts

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that are not assigned part numbers (---------) are not available.

Different parts from the original model 40MF430B/F7

Ref. No.	Description	Part No.
A1	FRONT CABINET A01P1UH	1EM025085A
A3	DECORATION PLATE A01P4UH	1EM025865A
A12⚠	RATING LABEL A01PDUH	---------
S1	CARTON (U) A01P1UH	1EM327299
X2⚠	OWNERS MANUAL A01PDUH	1EMN26439
X3	REMOTE CONTROL NH200UD	NH200UD
X6	QUICK START GUIDE A01PDUH	1EMN26440
X7	REGISTRATION CARD (SYLVANIA) A94F1UH	1EMN24700
X8	CHILD SAFETY SHEET A94F1UH	1EMN24522

Electrical Parts

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTES:

1. Parts that are not assigned part numbers (---------) are not available.
2. Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25%	D.....±0.5%	F.....±1%
G.....±2%	J.....±5%	K.....±10%
M.....±20%	N.....±30%	Z.....+80/-20%

Different parts from the original model 40MF430B/F7

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A01P4MMA-001

PARTS LIST [LC407SS1 (Serial No. : DS3A)]

Mechanical Parts

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that are not assigned part numbers (---------) are not available.

Different parts from the original model 40MF430B/F7

Ref. No.	Description	Part No.
A1	FRONT CABINET A01P1UH	1EM025085A
A3	DECORATION PLATE A01P4UH	1EM025865A
A12⚠	RATING LABEL A01PFUH	---------
CL1914	WIRE ASSEMBLY 14PIN 14PIN/240MM/AWG 24	WX1A01P0-213
CL3100	WIRE ASSEMBLY 51PIN 51PIN/370MM/UL1517	WX1A01P0-309
LCD-1	LCD MODULE 40W LTA400HM01	UDULCD0SM006
S1	CARTON (U) A01P1UH	1EM327299
X2⚠	OWNERS MANUAL A01PDUH	1EMN26439
X3	REMOTE CONTROL NH200UD	NH200UD
X6	QUICK START GUIDE A01PDUH	1EMN26440
X7	REGISTRATION CARD (SYLVANIA) A94F1UH	1EMN24700
X8	CHILD SAFETY SHEET A94F1UH	1EMN24522

Electrical Parts

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTES:

1. Parts that are not assigned part numbers (---------) are not available.
2. Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25% D.....±0.5% F.....±1%

G.....±2% J.....±5% K.....±10%

M.....±20% N.....±30% Z.....+80/-20%

Different parts from the original model 40MF430B/F7

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A01PFMMA-001
	POWER SUPPLY CBA	A01PEMPW-001
C1734	CAP CERAMIC HV 1000pF/1KV B K	CA3A102TE006
C1735	CAP CERAMIC HV 1000pF/1KV B K	CA3A102TE006
CN1802	CONNECTOR PRINT OSU B15B-PH-K-S(LF)(SN)	J3PHC15JG029
D656	DIODE SHOTTKY SB3200BR	NDWZ3200D027
D1201⚠	DIODE GENERAL PURPOSE 1N5406-BU	NDLZ1N5406BU
D1202⚠	DIODE GENERAL PURPOSE 1N5406-BU	NDLZ1N5406BU
D1203⚠	DIODE GENERAL PURPOSE 1N5406-BU	NDLZ1N5406BU
D1204⚠	DIODE GENERAL PURPOSE 1N5406-BU	NDLZ1N5406BU
D1208	DIODE ZENER 1M200Z B0 200V	NDLZ001M200Z
R1803	Not used	
R1804	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
BC1701	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1702	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1703	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1704	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
JS1801	Not used	
JS1802	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
	JACK ASSEMBLY Consists of the following	A01PEMJC-001
	JACK CBA	A01PEMJC-001-JK
	FUNCTION CBA IR SENSOR CBA	A01PEMJC-001-FNIR
	JACK CBA	---------
CL2101	WIRE ASSEMBLY 15PIN 15PIN/195MM/AWG26	WX1A01P0-004
CL2155	WIRE ASSEMBLY 7PIN 7PIN/910MM/AWG26	WX1A01P0-005
CN2104	CONNECTOR PRINT OSU C S B7B-PH-K-S(LF)(S	J3PHC07JG029
	JUNCTION-B CBA (In this model, the JUNCTION-B CBA is not used.)	
CN2101	Not used	
	JUNCTION-A CBA (In this model, the JUNCTION-A CBA is not used.)	
CN2151	Not used	

REVISION HISTORY

Chassis FL10.5

- 2010-04-20 40MF430B/F7 (Serial No. : DS1A) added
- 2010-05-06 LC407SS1 (Serial No. : DS2A) added
- 2010-07-22 LC407SS1 (Serial No. : DS3A) added
- TBD LC407SS1 (Serial No. : DS1A) added
- TBD LC407EM1 added
- TBD 40MF430B/F7 (Serial No. : DS2A) added