PHILIPS

55” LCD TV
chassis PL15.16

Service Manual

Contents

TYPE A

55PFL6900/F7	PHILIPS	(Serial No.: DS1)
55PFL6900/F8	PHILIPS	(Serial No.: XA1, TC1)

TYPE B

55PFL7900/F7	PHILIPS	(Serial No.: DS2)
55PFL7900/F8	PHILIPS	(Serial No.: XA1, TC1)

TYPE C

55PFL4901/F7	PHILIPS	(Serial No.: DS6)
55PFL4901/F8	PHILIPS	(Serial No.: TC1)

TYPE D

55PFL6900/F7 A	PHILIPS	(Serial No.: DS2)
55PFL6900/F8 A	PHILIPS	(Serial No.: DS1, TC1)

TYPE E

55PFL4901/F8	PHILIPS	(Serial No.: DS1, TC2)

TYPE F

55PFL5601/F7	PHILIPS	(Serial No.: DS1)
55PFL5901/F7	PHILIPS	(Serial No.: DS1)
55PFL5901/F8	PHILIPS	(Serial No.: FM1)

This service manual contains information of different types of models.
Make sure to refer to the section describing your model.

161207

IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all P&F Equipment. The service procedures recommended by P&F 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. P&F 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, P&F has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by P&F 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.

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SPECIFICATIONS

[TYPE A, B]

< TUNER / NTSC >

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	dBμV dBμV dBμV	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	3840 2160	--- ---
2. Brightness (w / filter)		cd/m^2	230 [TYPE A] 330 [TYPE B]	---
3. Viewing Angle	Horizontal Vertical	° °	-88 to 88 -88 to 88	--- ---

< 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%
	<Measurement condition> Input signal: HDMI1 Raster (40/80IRE) 1080i@60 Measurement point: Screen center Measuring instrument: Made of KONICA MINOLTA Luminance meter CA-310 Aging time: 60min. (Retail MODE / 100IRE Raster HDMI 1080i@60) MODE setting of TV: Shipment setting / Retail MODE Ambient temperature: 25°C ±5°C			
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 MAX Output (ATSC 0dBfs)	Lch/Rch	W	10.0/10.0	9.0/9.0
2. Audio Distortion (NTSC)	500mW: Lch/Rch	%	0.5/0.5	2.0/2.0

[TYPE C, E]

< TUNER / NTSC >

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	dBμV dBμV dBμV	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	230 [TYPE C] 250 [TYPE E]	---
3. Viewing Angle	Horizontal Vertical	° °	-89 to 89 -89 to 89	--- ---

< 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%
	<Measurement condition> Input signal: HDMI1 Raster (40/80IRE) 1080i@60 Measurement point: Screen center Measuring instrument: Made of KONICA MINOLTA Luminance meter CA-310 Aging time: 60min. (Retail MODE / 100IRE Raster HDMI 1080i@60) MODE setting of TV: Shipment setting / Retail MODE Ambient temperature: 25°C ±5°C			
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 MAX Output (ATSC 0dBfs)	Lch/Rch	W	10.0/10.0	9.0/9.0
2. Audio Distortion (NTSC)	500mW: Lch/Rch	%	0.5/0.5	2.0/2.0

[TYPE D]

< TUNER / NTSC >

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	dBμV dBμV dBμV	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	3840 2160	--- ---
2. Brightness (w / filter)		cd/m^2	230*1 300*2	---
3. Viewing Angle	Horizontal Horizontal Vertical Vertical	° ° ° °	-88 to 88*1 -89 to 89*2 -88 to 88*1 -89 to 89*2	--- --- --- ---

***1 : 55PFL6900/F7 A, 55PFL6900/F8 A (Serial No.: DS1)**

***2 : 55PFL6900/F8 A (Serial No.: TC1)**

< 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%
	<Measurement condition> Input signal: HDMI1 Raster (40/80IRE) 1080i@60 Measurement point: Screen center Measuring instrument: Made of KONICA MINOLTA Luminance meter CA-310 Aging time: 60min. (Retail MODE / 100IRE Raster HDMI 1080i@60) MODE setting of TV: Shipment setting / Retail MODE Ambient temperature: 25°C ±5°C			
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 MAX Output (ATSC 0dBfs)	Lch/Rch	W	10.0/10.0	9.0/9.0
2. Audio Distortion (NTSC)	500mW: Lch/Rch	%	0.5/0.5	2.0/2.0

[TYPE F]

< TUNER / NTSC >

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	dBμV dBμV dBμV	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	3840 2160	--- ---
2. Brightness (w / filter)		cd/m^2	340*1 300*2	---
3. Viewing Angle	Horizontal Vertical	° °	-88 to 88*1 -89 to 89*2 -88 to 88*1 -89 to 89*2	--- --- ---

***1 : 55PFL5601/F7, 55PFL5901/F7**

***2 : 55PFL5901/F8**

< 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%
	<Measurement condition> Input signal: HDMI1 Raster (40/80IRE) 1080i@60 Measurement point: Screen center Measuring instrument: Made of KONICA MINOLTA Luminance meter CA-310 Aging time: 60min. (Retail MODE / 100IRE Raster HDMI 1080i@60) MODE setting of TV: Shipment setting / Retail MODE Ambient temperature: 25°C ±5°C			
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.

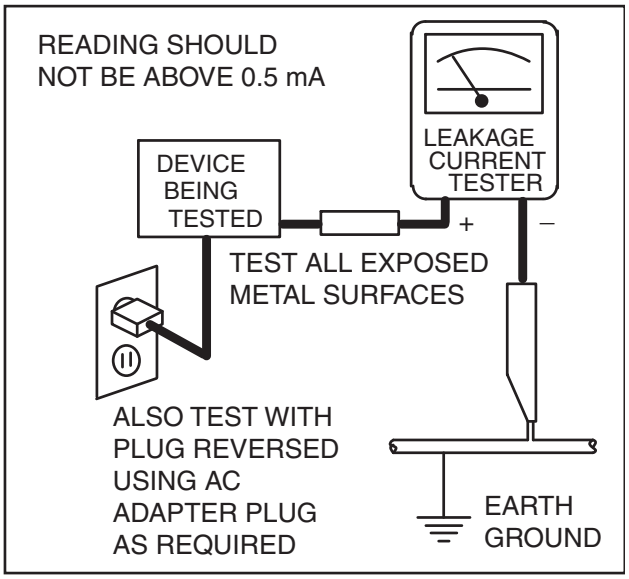
Description	Condition	Unit	Nominal	Limit
1. Audio MAX Output (ATSC 0dBfs)	Lch/Rch	W	10.0/10.0	9.0/9.0
2. Audio Distortion (NTSC)	500mW: Lch/Rch	%	0.5/0.5	2.0/2.0

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 11~13 lb (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.

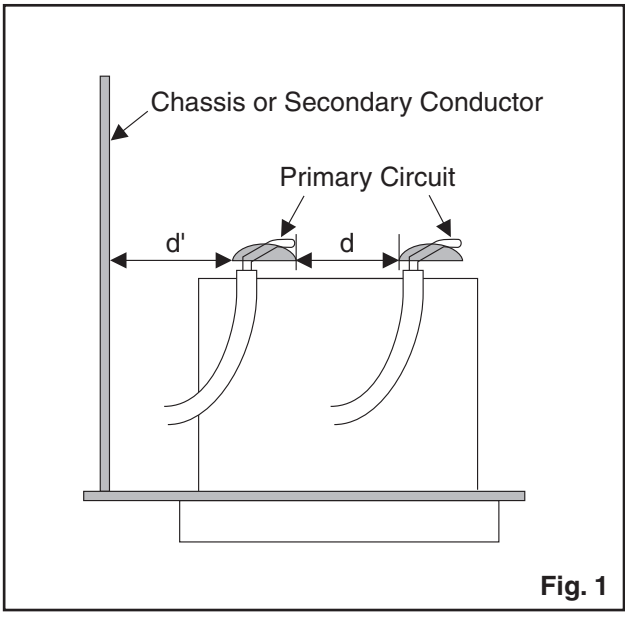


Fig. 1

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.

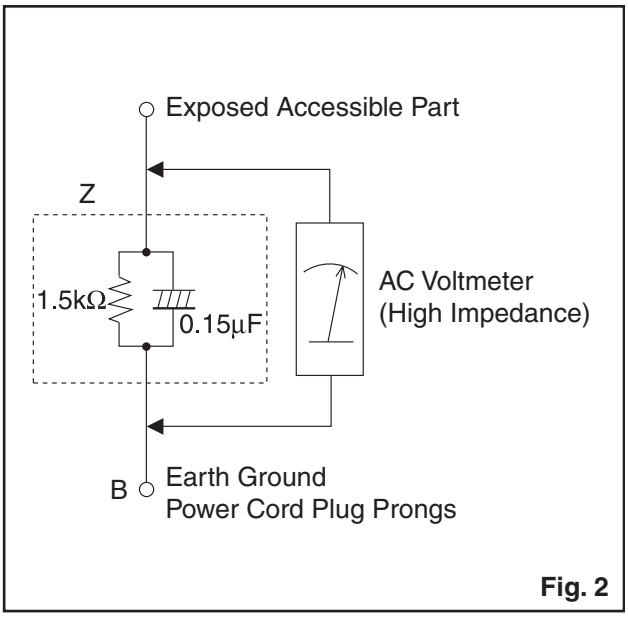


Fig. 2

Table 2: Leakage current ratings for selected areas

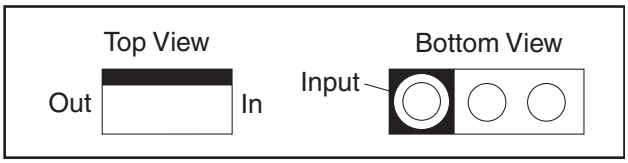
AC Line Voltage	Region	Load Z	Leakage Current (i)	Earth Ground (B) to:
110 to 130 V	U.S.A. or Canada	0.15 μF CAP. & 1.5 kΩ RES. Connected in parallel	i ≤ 0.5 mA rms	Exposed accessible parts

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

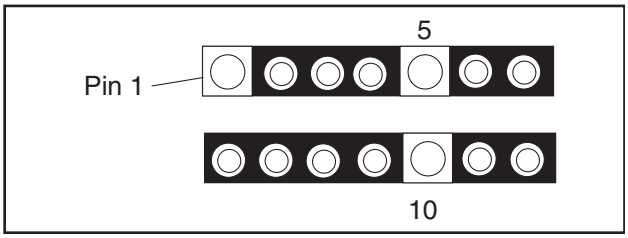
STANDARD NOTES FOR SERVICING

Circuit Board Indications

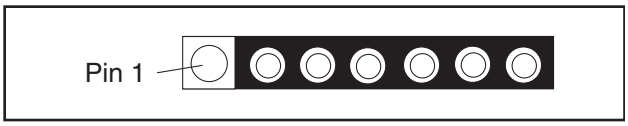
1. The output pin of the 3 pin Regulator ICs is indicated as shown.



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

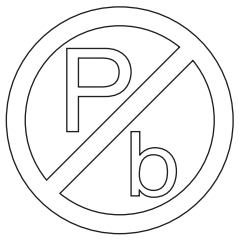


3. The 1st pin of every male connector is indicated as shown.



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)

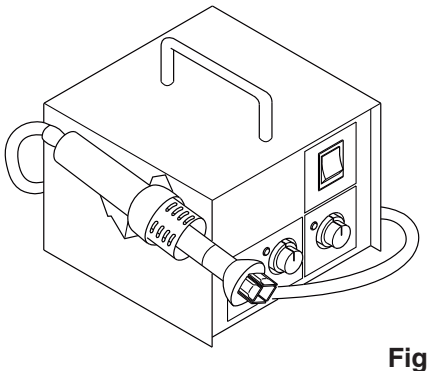


Fig. S-1-1

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.

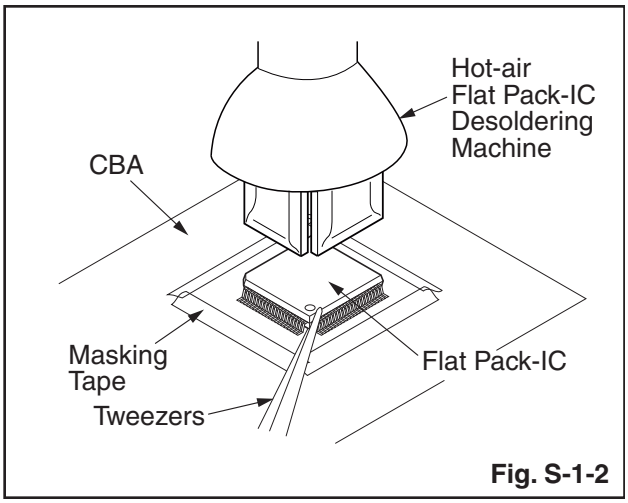


Fig. S-1-2

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)

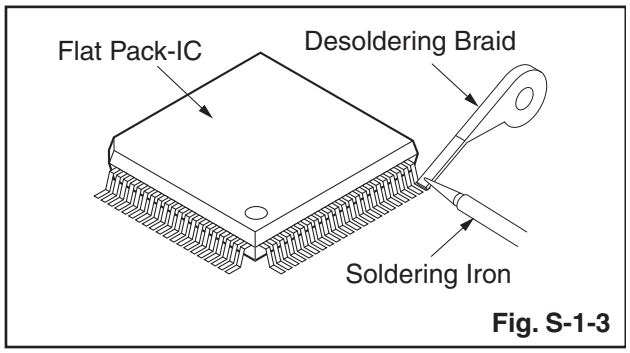


Fig. S-1-3

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)

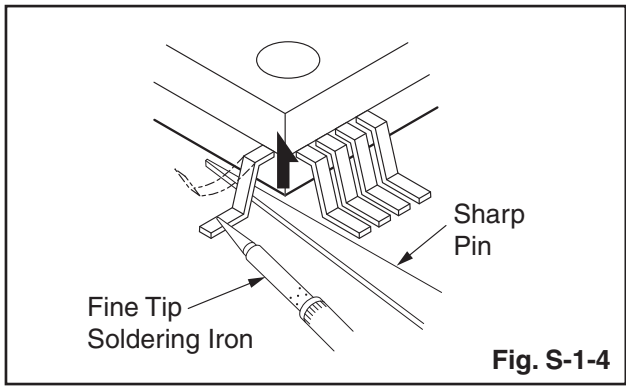


Fig. S-1-4

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.

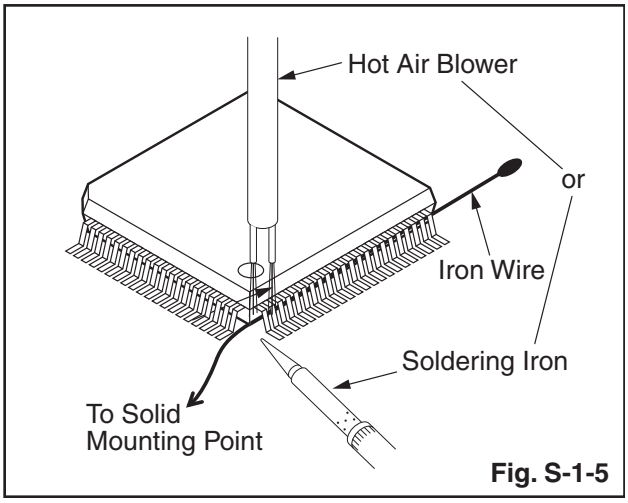


Fig. S-1-5

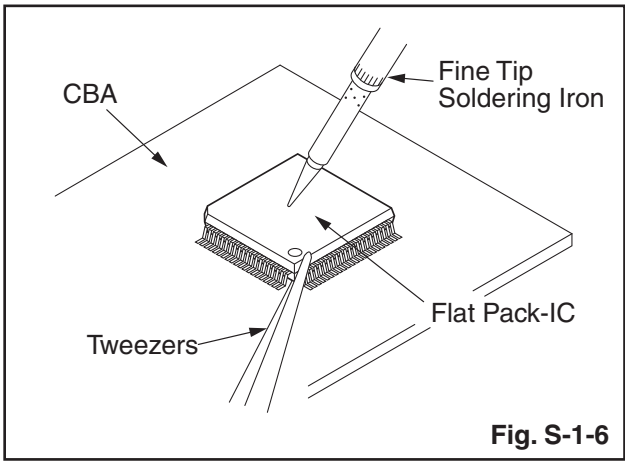


Fig. S-1-6

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.

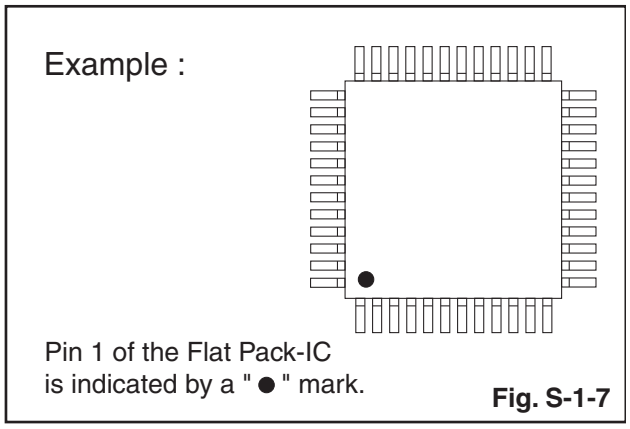


Fig. S-1-7

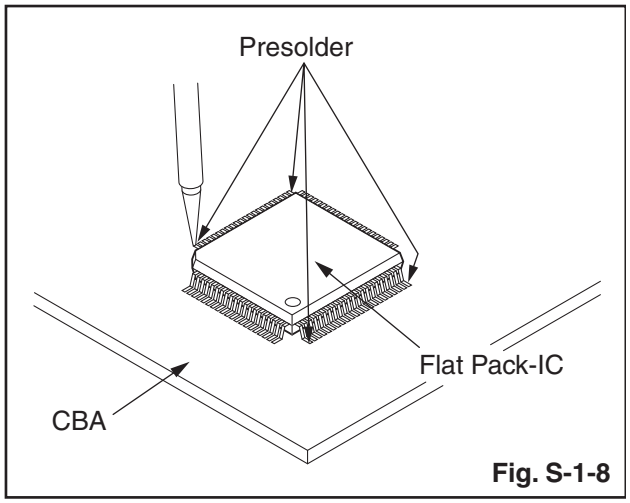


Fig. S-1-8

Instructions for Handling Semi-conductors

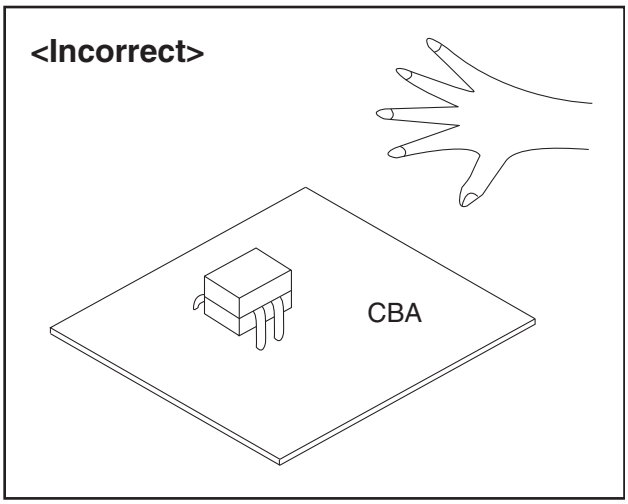
Electrostatic breakdown of the semi-conductors may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

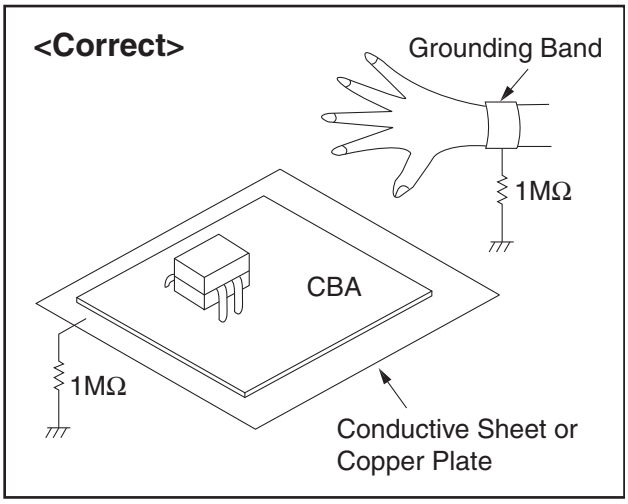
1. Ground for Human Body

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

[TYPE A]

Screw Torque Specification

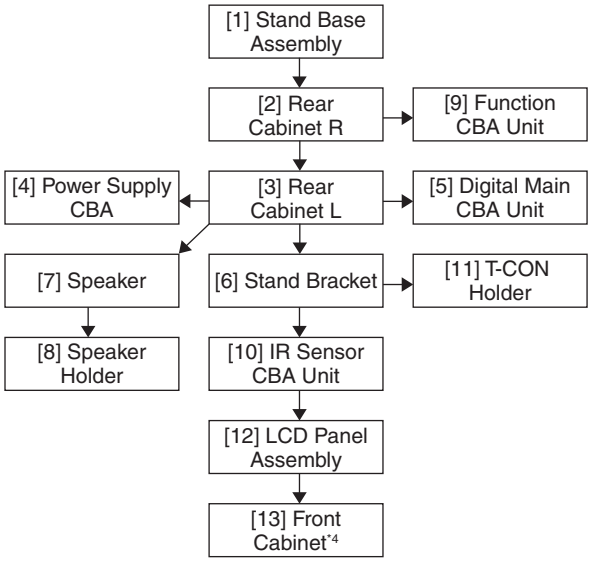
Ref. No.	Part Number	Part Name	Tightening Torque
L10	GCHP3120	SCREW F-PAN BLACK_NI +P-TITE M3X12.0	5.2±0.9lb·in
L23	GBJS3060	SCREW BIND 3CHROM +S-TITE M3X6.0	
L28	GCHS3080	SCREW F-PAN BLACK_NI +S-TITE M3X8.0	
L42	FPH34120	SEMS-SW PAN BLACK_NI + M4X12.0	
L76	2EML00004	SCREW M3X7 LOW HEAD	
SSK1 *4	2ESA02120	STAND SCREW KIT A5GRBUH(SEMS-SW PAN BLACK_NI + M4X12.0)	(approx. 8.7±0.9lb·in)*

*** : For reference**

***4 : 55PFL6900/F7**

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts and the CBA in order to gain access to items 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	Fig. No.	Removal	Note
[1]	Stand Base Assembly	D1	8(S-1), Stand Neck	---
[2]	Rear Cabinet R	D1	13(S-2), 6(S-3), 2(S-4), 4(L-1)	---
[3]	Rear Cabinet L	D1	9(S-5), 4(S-6), 4(L-2)	---
[4]	Power Supply CBA	D2 W1	5(S-7), CN601, CN651, CN652, CN1101, CN1201, CN1401	---
[5]	Digital Main CBA Unit	D2 W1	5(S-8), CN3105, CN3801, CN3901, Jack Holder	---
[6]	Stand Bracket	D3	2(S-9)	---
[7]	Speaker	D3	----------	---
[8]	Speaker Holder	D3	2(S-10)	---
[9]	Function CBA Unit	D3 W1	CN4051, Function Knob, Knob Frame, Hook	2
[10]	IR Sensor CBA Unit	D3 W1	Sensor Shield, Hook	2
[11]	T-CON Holder	D4 D5	4(S-11), T-CON Module, FFC Cable	1
[12]	LCD Panel Assembly	D4	Decoration Plate, LED Lens, Leading Edge Cover, Hook	1
	LCD Panel Assembly*4	D5	15(S-12)	1
[13]*4	Front Cabinet	D5	Decoration Plate, LED Lens, Leading Edge Cover, Hook, Cell Cushion LR, Cell Cushion UD, Doble Side Tape	1 3

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

***4 : 55PFL6900/F7**

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
e.g. 2(S-2) = two Screws of (S-2),
2(L-2) = two Locking Tabs of (L-2)

(5) Refer to the following “Reference Notes in the Table.”

Important precautions concerning the LCD Panel Assembly:

1. When you disassemble/re-assemble the LCD Panel Assembly.

- Do not pull the FFC Cable and Board Cable forcefully when you re-assemble.
- Be careful not to scratch the display panel when assembling.
- Make sure to replace the Decoration Plate, LED Lens and Leading Edge Cover to a new one when replacing the LCD Panel Assembly.
- Make sure the T-CON Module and T-CON Holder are securely in place when assembling.

2. When you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.

- Be careful not to break the hooks. If you pull with too much force, the hooks may be damaged.
- Make sure the hooks are securely in place when assembling.
- The Function CBA Unit, Function Knob and Knob Frame are fixed in place by the hooks. Make sure these hooks are not damaged. Make sure the Function CBA Unit, Function Knob and Knob Frame are securely in place when re-assembling.
- The IR Sensor CBA Unit and Sensor Shield are fixed in place by the hooks. Make sure these hooks are not damaged. Make sure the IR Sensor CBA Unit and Sensor Shield are securely in place when re-assembling.

3. When you disassemble/re-assemble the Front Cabinet.*4

- Be careful not to break the hook. If you pull with too much force, the hooks may be damaged.
- Make sure to replace the Cell Cushion and Duble Side Tape to a new one when replacing the Front Cabinet.

***4 : 55PFL6900/F7**

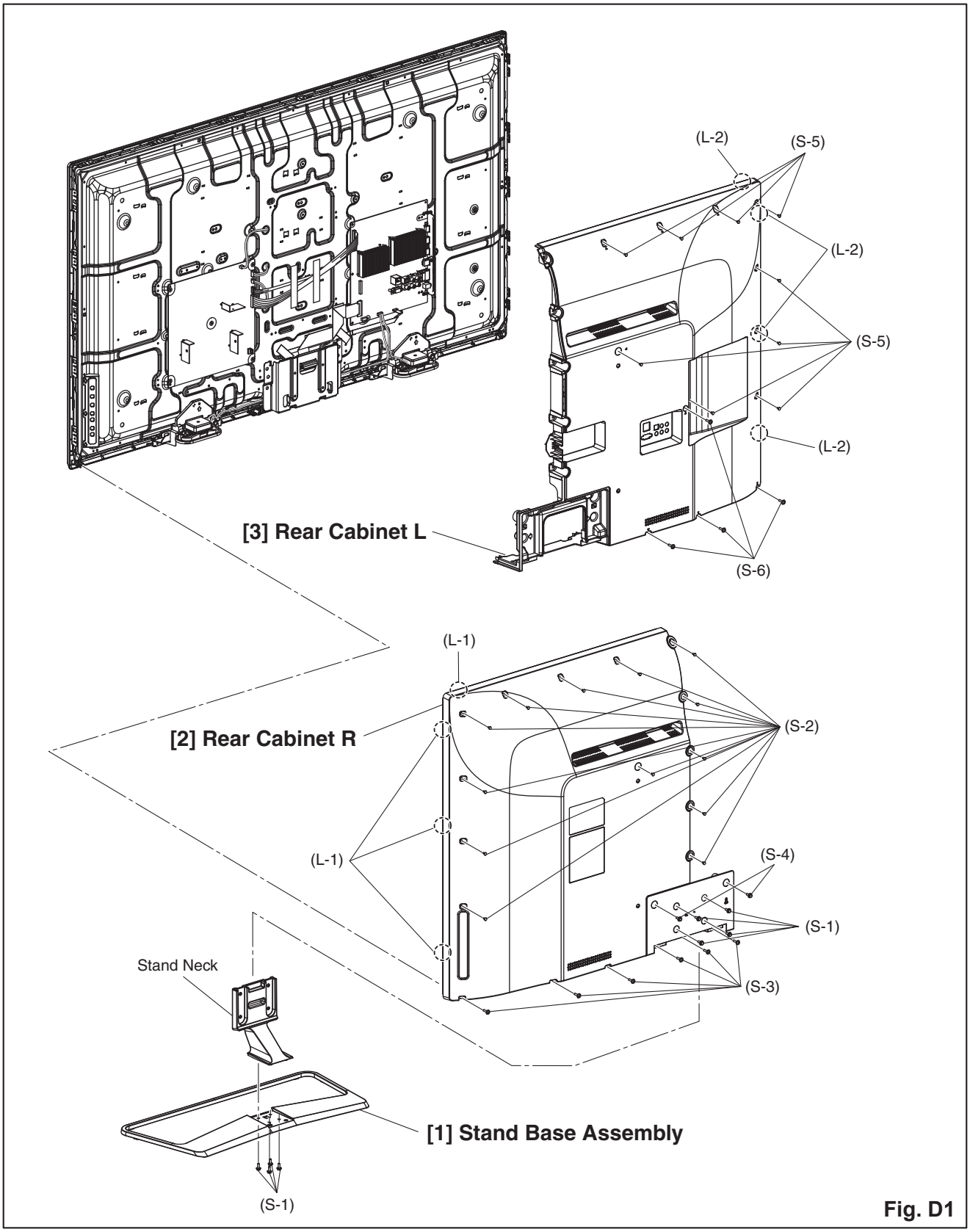

(L-2)
(S-5)
(L-2)
(S-5)
(L-2)
(S-6)
[3] Rear Cabinet L
(L-1)
[2] Rear Cabinet R
(S-2)
(L-1)
(S-4)
(S-1)
(S-3)
Stand Neck
[1] Stand Base Assembly
(S-1)

Fig. D1

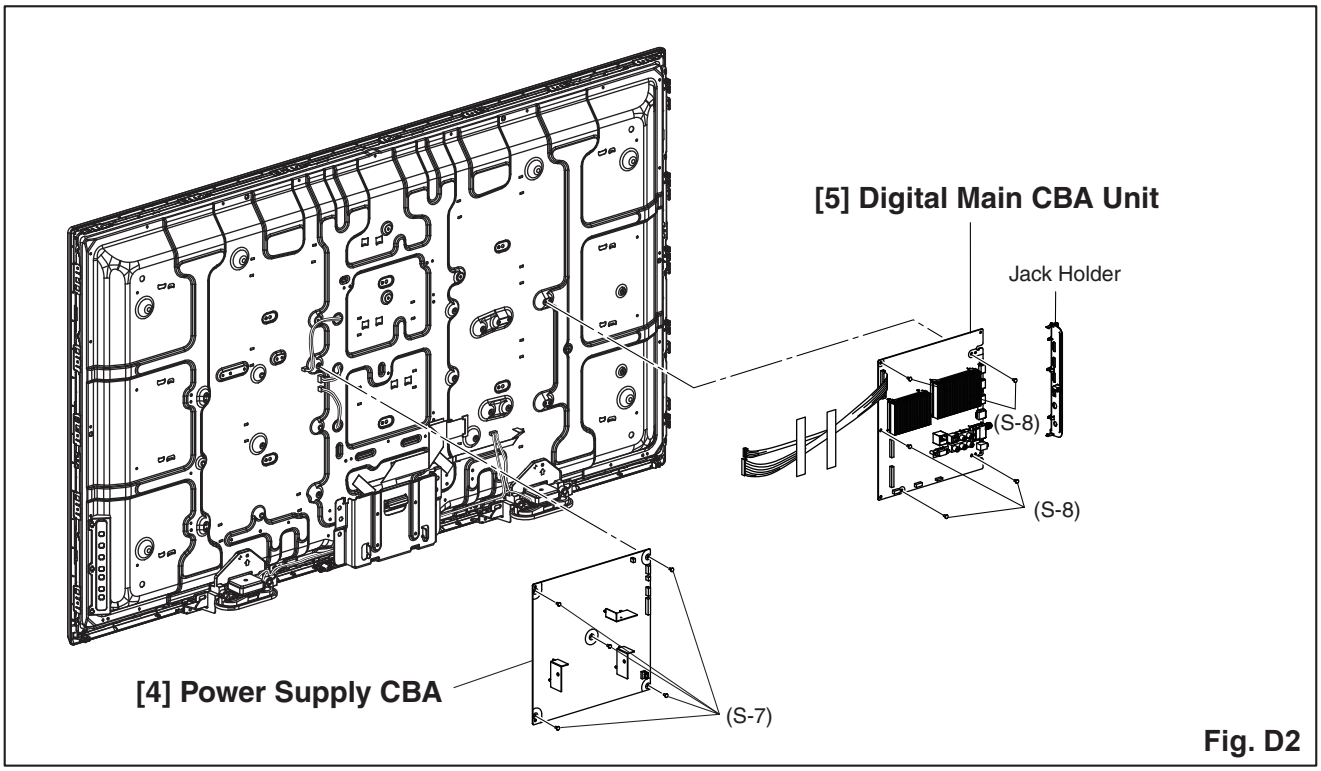

[5] Digital Main CBA Unit
Jack Holder
(S-8)
(S-8)
[4] Power Supply CBA
(S-7)

Fig. D2

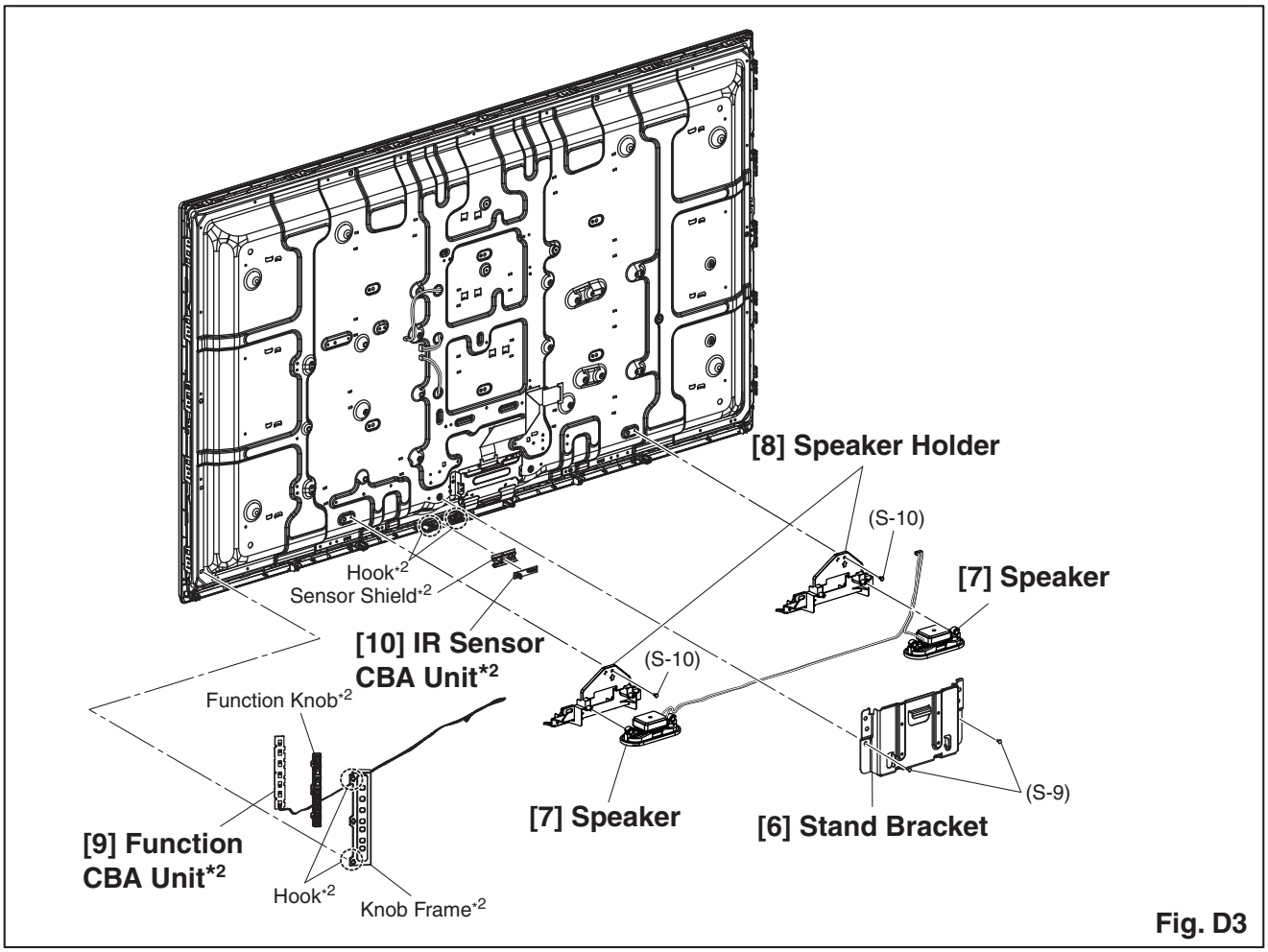


Fig. D3

***2: Make sure to read all the precautions on page 4-2 when you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.**

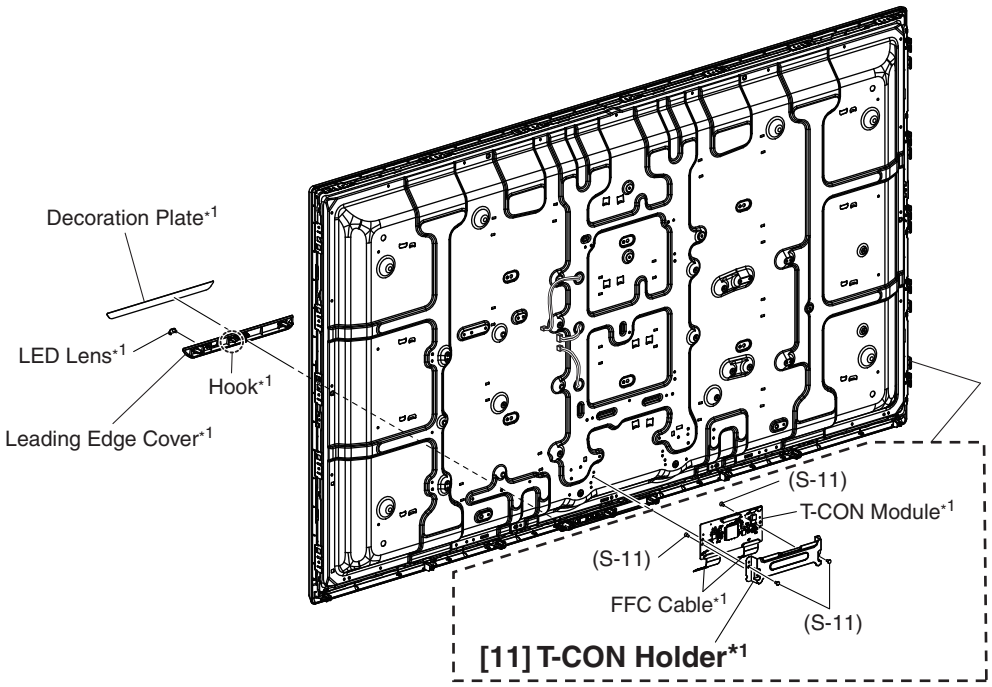


Fig. D4

***1: Make sure to read all the precautions on page 4-2 when you disassemble/re-assemble the LCD Panel Assembly.**

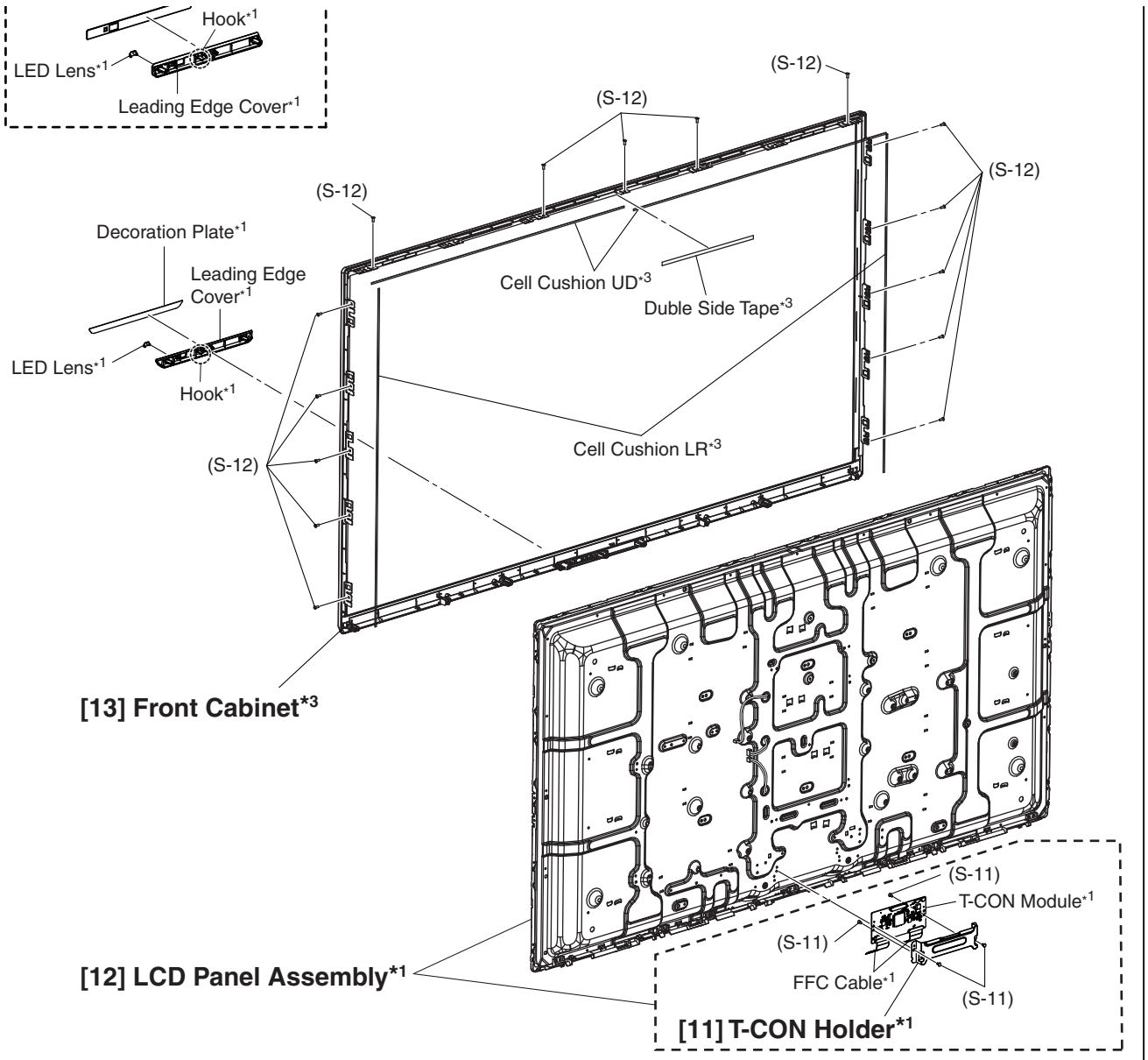


Fig. D5

***1: Make sure to read all the precautions on page 4-2 when you disassemble/re-assemble the LCD Panel Assembly.**

***3: Make sure to read all the precautions on page 4-2 when you disassemble/re-assemble the Front Cabinet.**

3. How to Replace the Front Cabinet

When replacing the Front Cabinet, the inner adjunctive equipment such as Cell Cushion must also be replaced all together.

Disassembly Method

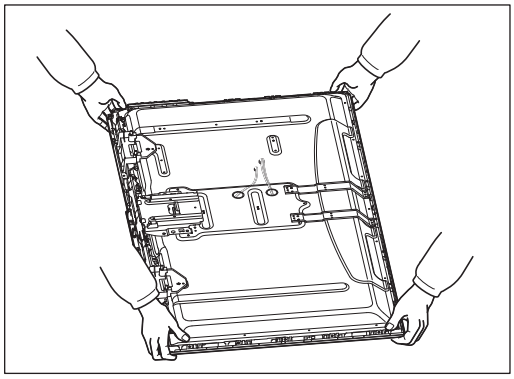
CAUTION ⚠:

Disassembly MUST be performed in a CR (Clean Room).

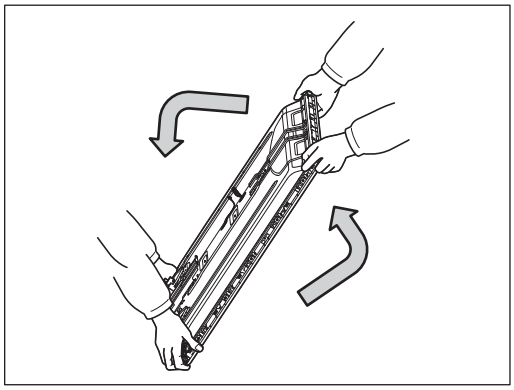
Make sure to perform disassembly operations by following “2.Disassembly Method”, until Fig. D5 beforehand to remove the CBA units, speakers, etc.

Note: Turning over the unit requires two workers and a wide flat table.

1. Hold the four corners of the LCD Panel Assembly.

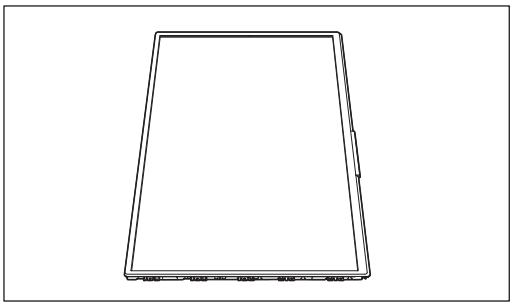


2. With the X-PCB side down, slowly lift and tilt the unit until it is in a vertical position.



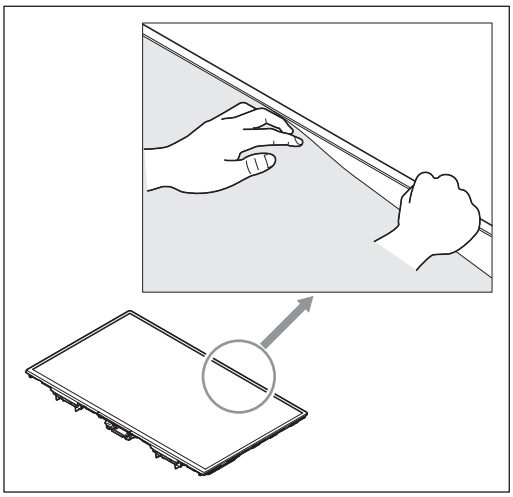
3. From a vertical position, turn the top of the unit toward the other side.

4. Slowly put the LCD Panel Assembly down.



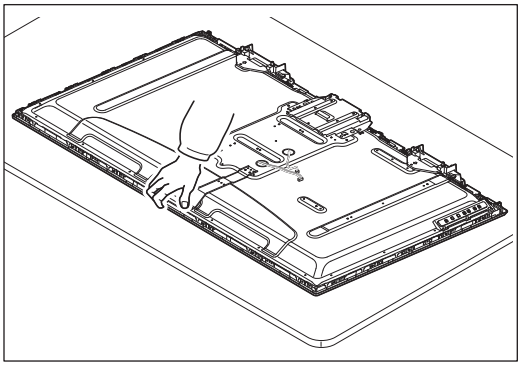
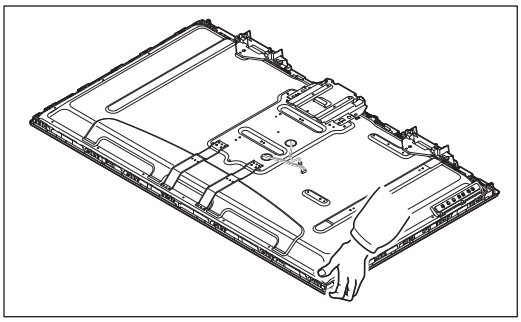
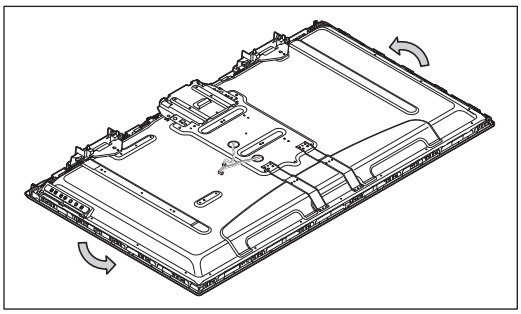
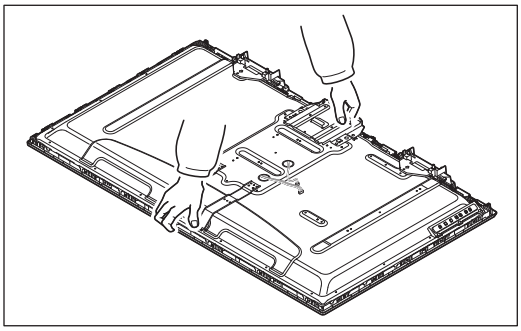
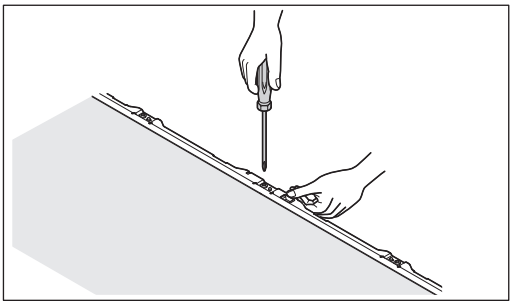
5. Hold the Cell and remove the Front Cabinet along with the Grand Tape.

Note: Do not apply excessive force to the Cell. Doing so may break the Cell.



There is glue remains from the Grand Tape, on the removed Cell. Wipe the remains as well as possible.

Work Prohibitions

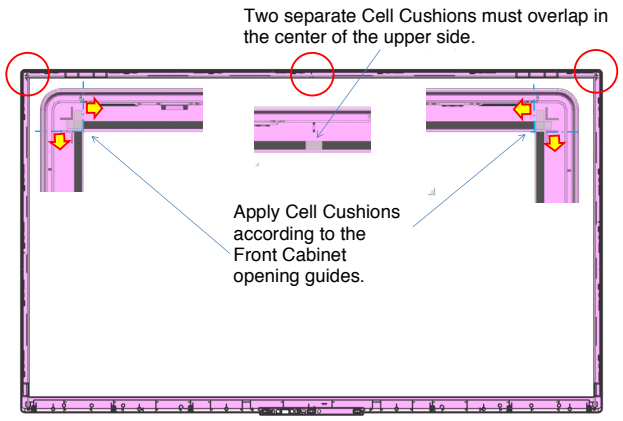
Lift middle part (same for upper and lower side) NG		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
Lift 1 corner only NG		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
Rotate to reverse direction at left and right (SET is prone to be twisted NG)		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
When handling repairing parts (no rear cabinet), DO NOT lift middle part of SET		The middle of upper & lower side is the weakest point for Rear Frame, can cause it to deform easily towards opening direction. For that reason, the following symptoms may occur. • Irregularity will appear (diffusing sheet will come out from cell guide) • Light leakage will happen (CELL will come out)
Bezel reassembly requires jigs; otherwise, support Rear Frame when screwing so that the Rear Frame will not open.		If a jig is not working effectively, the following symptoms may occur. • Rear Frame will deform towards opening direction • Diffusing plate will fall off from Rear Frame • Irregularity will appear on sheet (diffusing sheet will come out from cell guide) • Cell will be either get between cell guide or fall off.

How to Attach Adjunctive Equipment

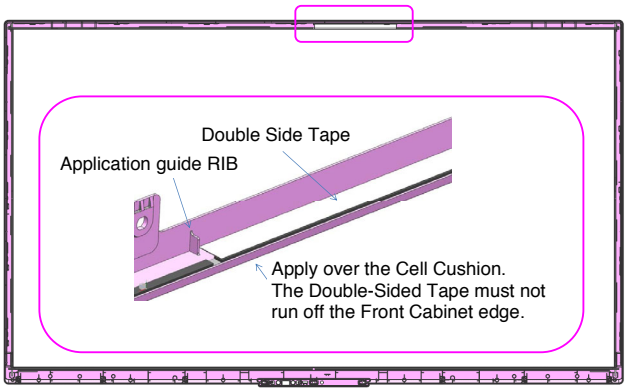
There are no Cell Cushion, etc. attached on the new Front Cabinet to be replaced with.

Apply adjunctive equipment such as Cell Cushion by consulting the following, then assemble the Front Cabinet.

1. Cell Cushion



2. Double Side Tape (150 mm x 9 mm)



TV Cable Wiring Diagram

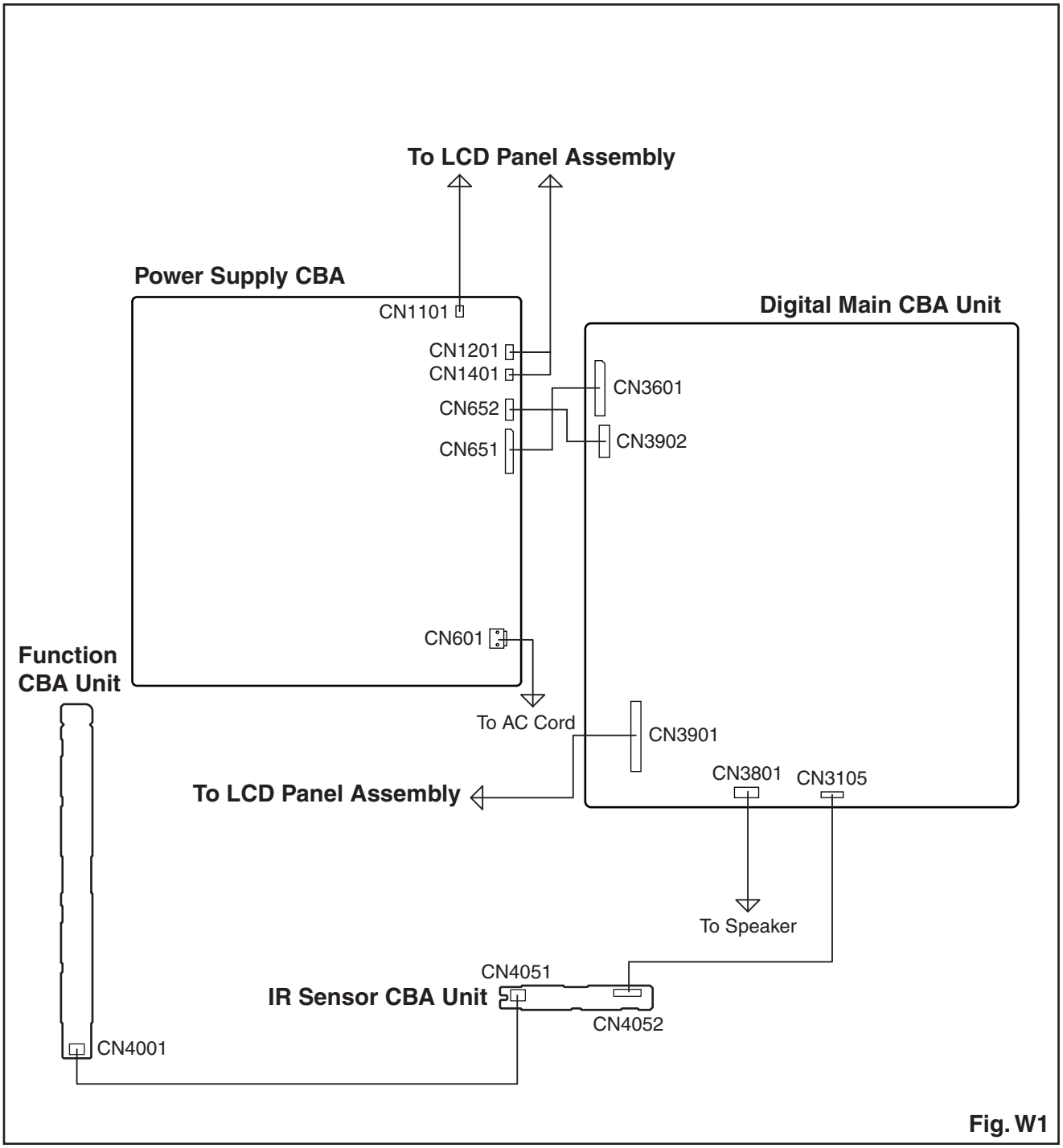


Fig. W1

[TYPE B]

This type prohibit the panel disassembly.

Screw Torque Specification

Ref. No.	Part Number	Part Name	Tightening Torque
L7	GBHP3100	SCREW BIND BLACK_NI +P-TITE M3X10.0	4.3±0.9lb·in
L23	GBJS3060	SCREW BIND 3CHROM +S-TITE M3X6.0	5.2±0.9lb·in
L42*3	FPH34120	SEMS-SW PAN BLACK_NI + M4X12.0	8.7±0.9lb·in
L73	GCHP3100	SCREW F-PAN BLACK_NI +P-TITE M3X10.0	4.3±0.9lb·in
L93	SDJ33060	SCREW M3X6 SARA+	
L95	2EML00029	SCREW M3X5 M3X5 LOW HEAD	
L96	SBJ33040	SCREW BIND 3CHROM + M3X4.0	
L111	SCH33060	WASHER HEAD+ M3X6 BLK	
SSK1 *4	2ESA02477	STAND SCREW KIT (SEMS-SW PAN BLACK_NI + M4X12.0)	(approx. 8.7±0.9lb·in)*
SSK1 *5	2ESA02975	STAND SCREW KIT A511XYK(SEMS-SW PAN BLACK_NI +M4X12.0)	

*** : For reference**

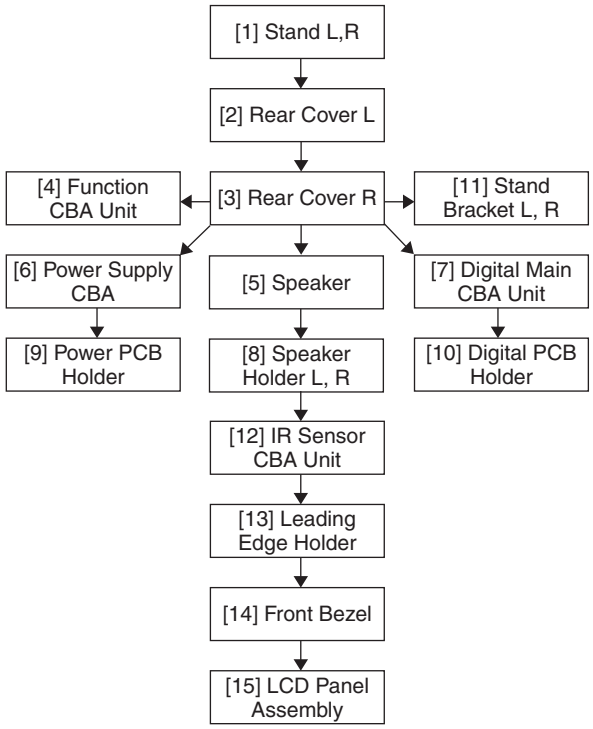
***3 : 55PFL7900/F8 (Serial No.: XA1)**

***4 : 55PFL7900/F7 (Serial No.: DS2)**

***5 : 55PFL7900/F8 (Serial No.: TC1)**

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts and the CBA in order to gain access to items 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	Fig. No.	Removal	Note
[1]	Stand L, R	D1	6(S-1)	---
[2]	Rear Cover L	D1	12(S-2), 2(S-3)	---
[3]	Rear Cover R	D1 W1	9(S-4), CN3102	---
[4]	Function CBA Unit	D2 W1	2(S-5), Function Knob, Knob Frame, Hook, Tape	2
[5]	Speaker	D3 W1	CN3801	---
[6]	Power Supply CBA	D3 W1	5(S-6), CN601, CN651, CN652, CN1101, CN1201	---
[7]	Digital Main CBA Unit	D3 W1	6(S-7), CN3105, CN3901, Jack Holder	---
[8]	Speaker Holder L, R	D4	4(S-8)	---
[9]	Power PCB Holder	D4	4(S-9)	---
[10]	Digital PCB Holder	D4	4(S-10)	---
[11]	Stand Bracket L,R	D4	4(S-11)	---
[12]	IR Sensor CBA Unit	D5 W1	2(S-12), Leading Edge Rear, Sensor Shield, Leading Edge Front, Light Guide Panel, Decoration Plate	2
[13]	Leading Edge Holder	D5	2(S-13)	---
[14]	Front Bezel	D5	8(S-14), Front Bottom Center, Front Bottom L,R	---
[15]	LCD Panel Assembly	D5	----------	1
↓ (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
e.g. 2(S-2) = two Screws of (S-2),
2(L-2) = two Locking Tabs of (L-2)

(5) Refer to the following “Reference Notes in the Table.”

Important precautions concerning the LCD Panel Assembly:

1. When you disassemble/re-assemble the LCD Panel Assembly.

- Do not pull the FFC Cable and Board Cable forcefully when you re-assemble.
- Be careful not to scratch the display panel when assembling.

2. When you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.

- The Function CBA Unit, Function Knob and Knob Frame are fixed in place by the hooks. Make sure these hooks are not damaged. Make sure the Function CBA Unit, Function Knob and Knob Frame are securely in place when re-assembling.
- Make sure the IR Sensor CBA Unit and Sensor Shield are securely in place when re-assembling.

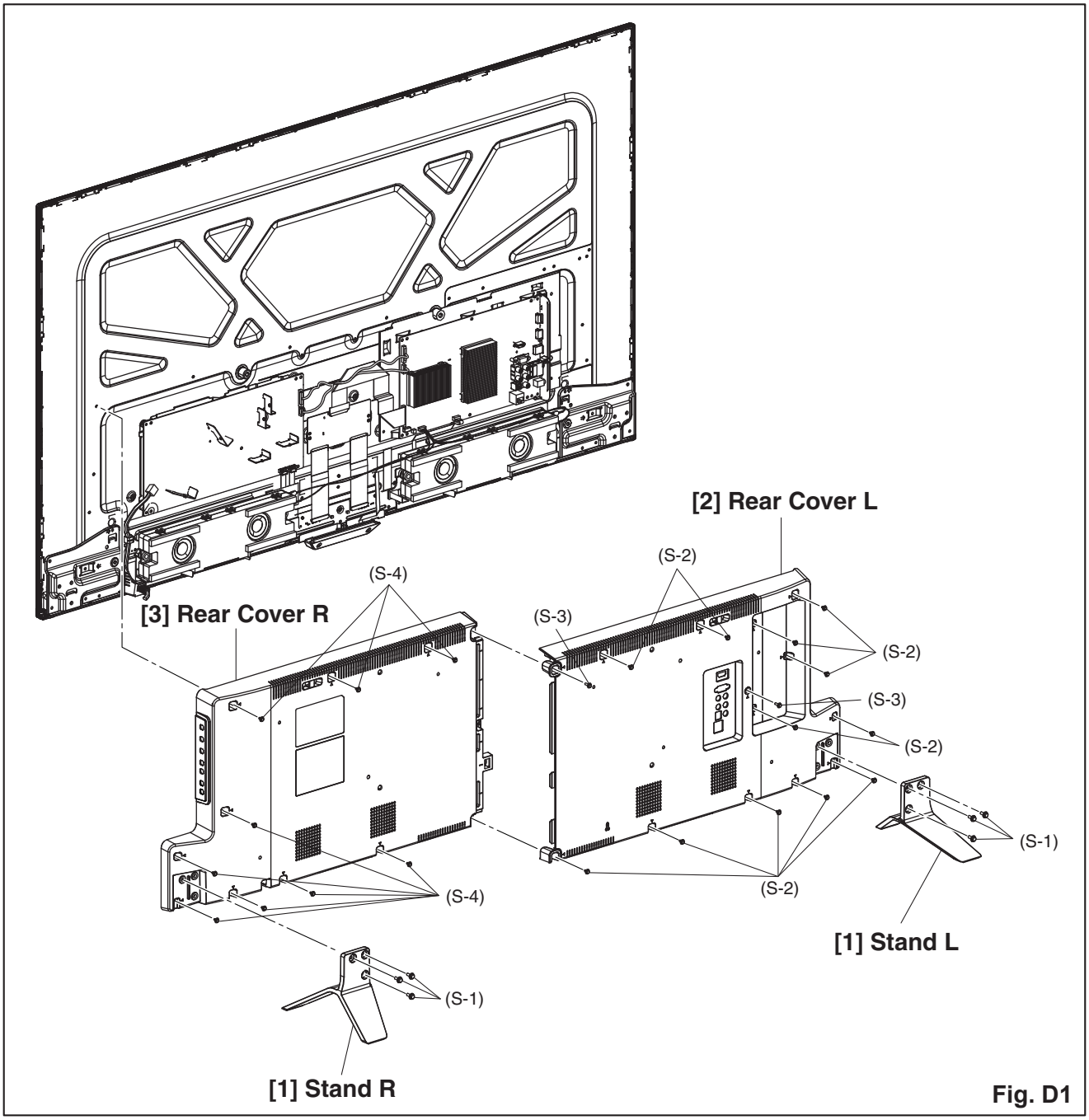
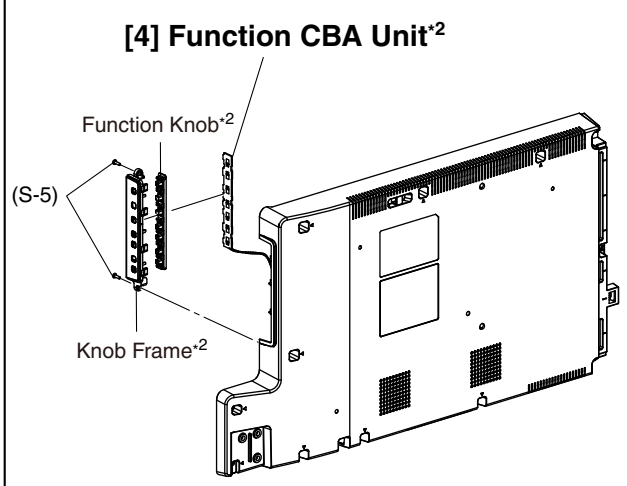
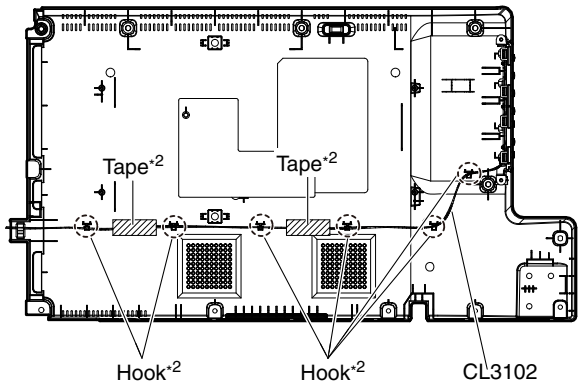

[2] Rear Cover L
(S-2)
(S-4)
[3] Rear Cover R
(S-3)
(S-2)
(S-3)
(S-2)
(S-1)
(S-2)
(S-4)
[1] Stand L
(S-1)
[1] Stand R

Fig. D1





When assembling the rear cabinet, make sure to tapes the Fuction cable (CL3102) in place in order to prevent them from slipping off of the hook.

Fig. D2

***2: Make sure to read all the precautions on page 4-13 when you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.**

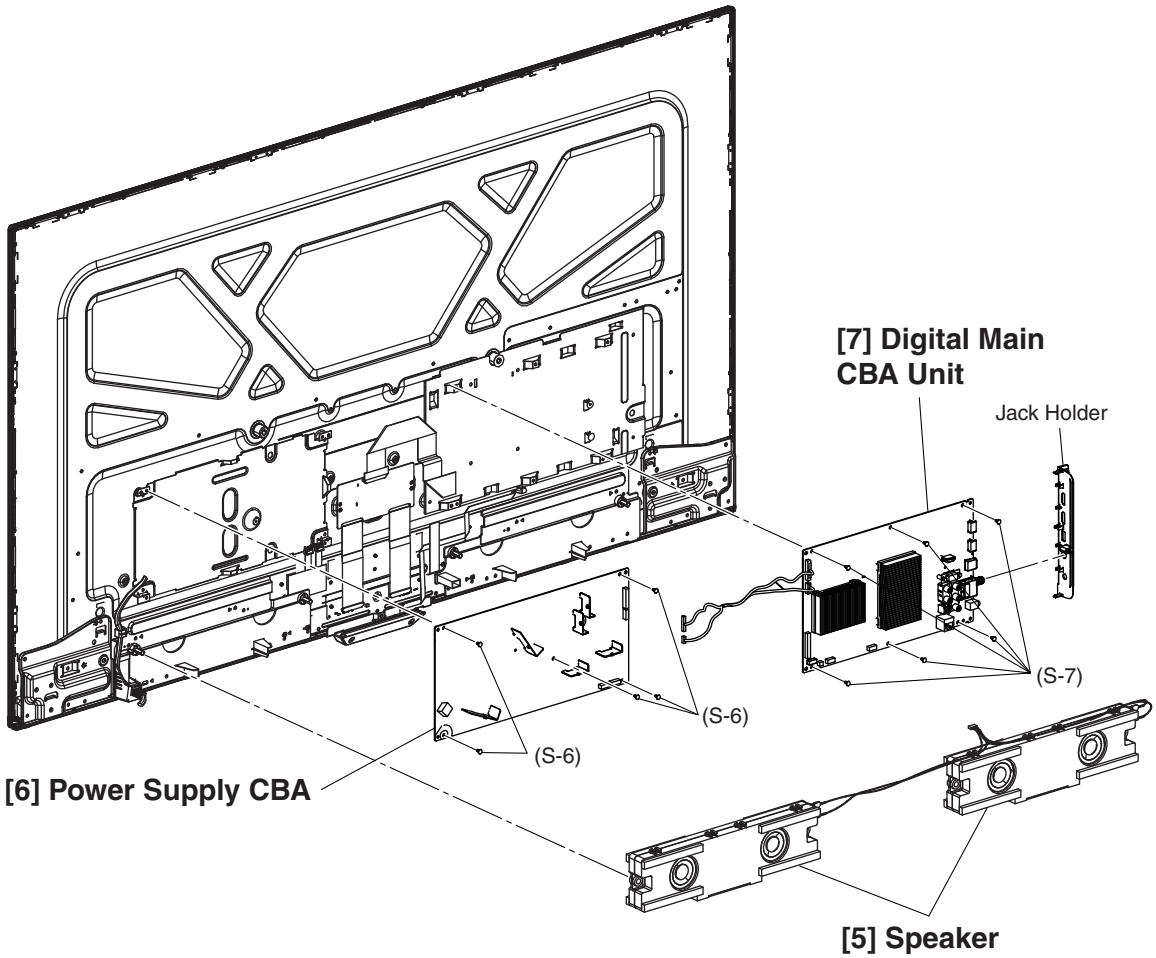


Fig. D3

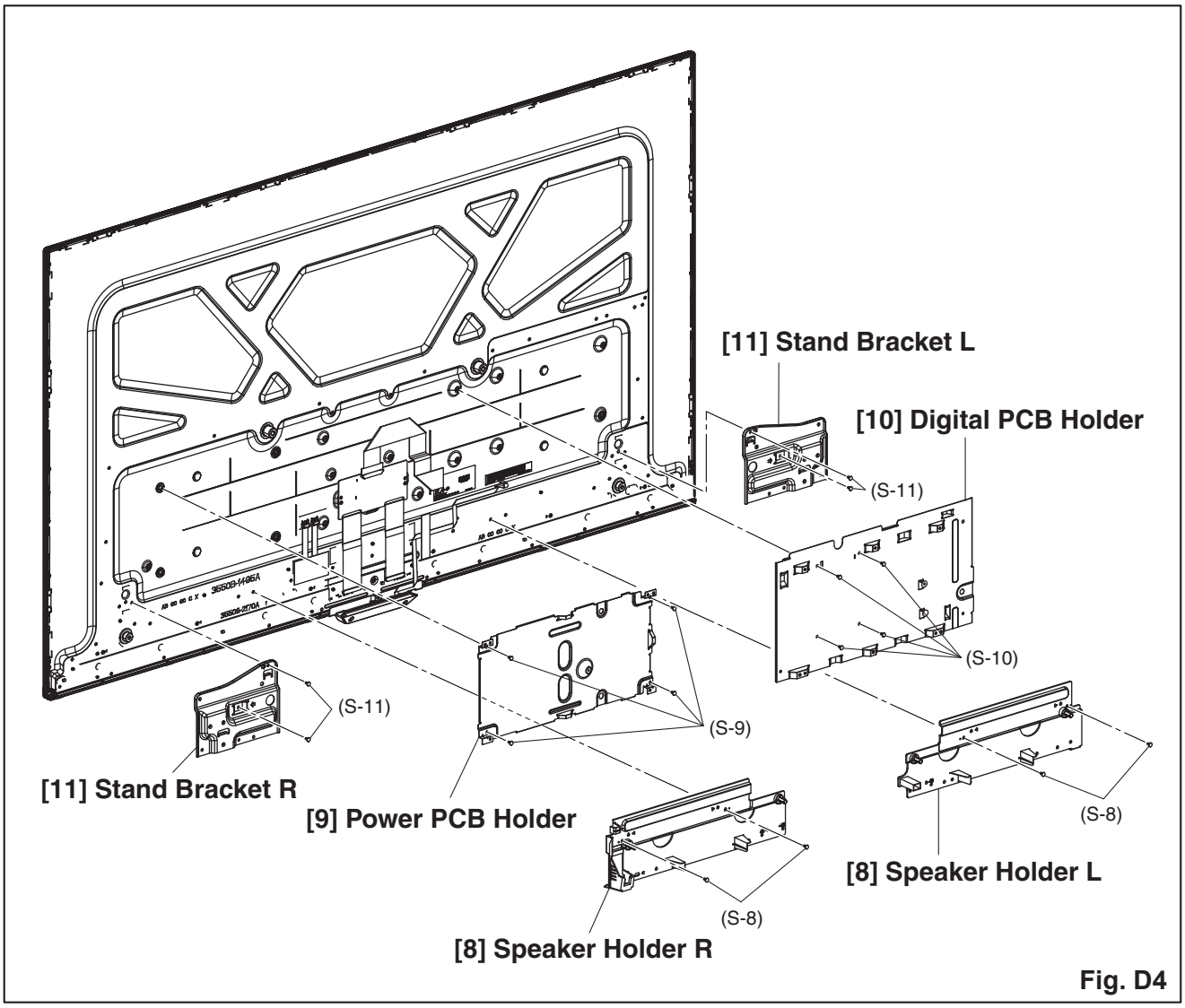

[11] Stand Bracket L
[10] Digital PCB Holder
(S-11)
(S-10)
(S-11)
(S-9)
[11] Stand Bracket R
[9] Power PCB Holder
(S-8)
[8] Speaker Holder L
(S-8)
[8] Speaker Holder R

Fig. D4

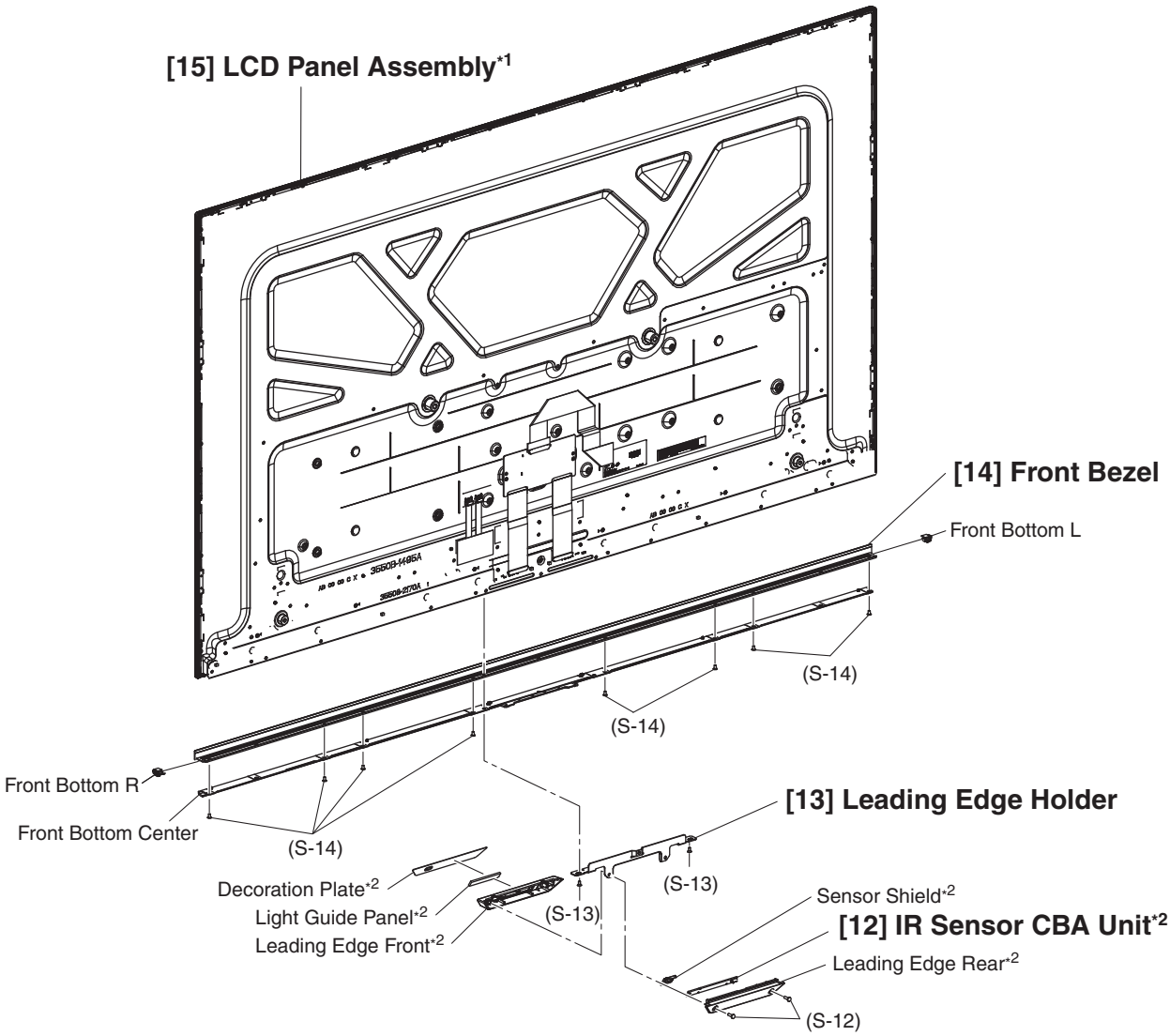


Fig. D5

***1: Make sure to read all the precautions on page 4-13 when you disassemble/re-assemble the LCD Panel Assembly.**

***2: Make sure to read all the precautions on page 4-13 when you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.**

TV Cable Wiring Diagram

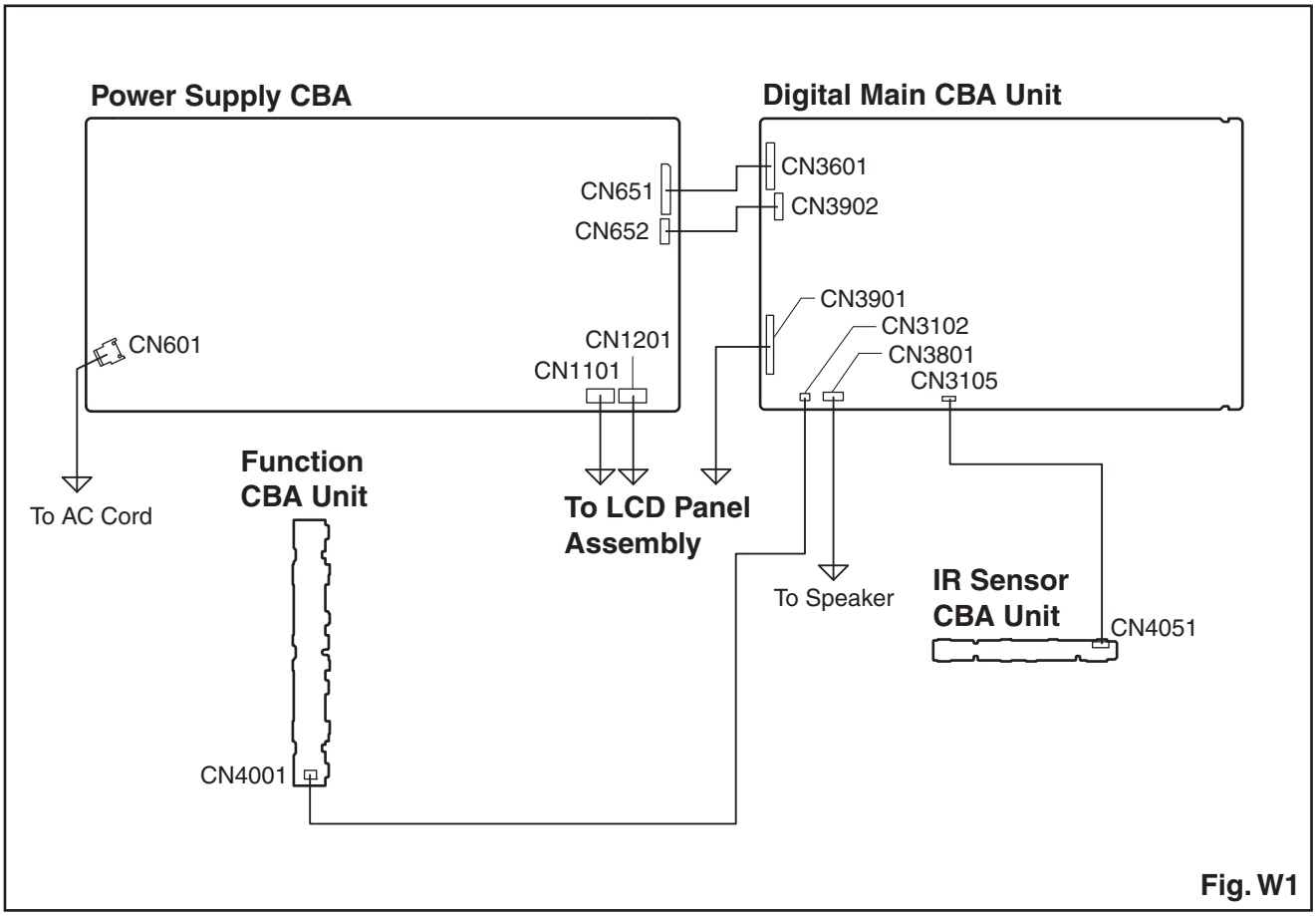


Fig. W1

[TYPE C, E]

Screw Torque Specification

Ref. No.	Part Number	Part Name	Tightening Torque
L10	GCHP3120	SCREW F-PAN BLACK_NI +P-TITE M3X12.0	5.2±0.9lb·in
L23	GBJS3060	SCREW BIND 3CHROM +S-TITE M3X6.0	
L28	GCHS3080	SCREW F-PAN BLACK_NI +S-TITE M3X8.0	
L42	FPH34120	SEMS-SW PAN BLACK_NI + M4X12.0	
L76	2EML00004	SCREW M3X7 LOW HEAD	
SSK1 *4 *7	2ESA02120	STAND SCREW KIT (SEMS-SW PAN BLACK_NI + M4X12.0)	(approx. 8.7±0.9lb·in)*
SSK2 *4	2ESA02121	STAND SCREW KIT (SEMS-SW PAN 3CHROM + M5X12)	
SSK1 *6	1ESA34506	STAND SCREW KIT (SEMS-SW PAN BLACK_NI + M4X12.0)	

*** : For reference**

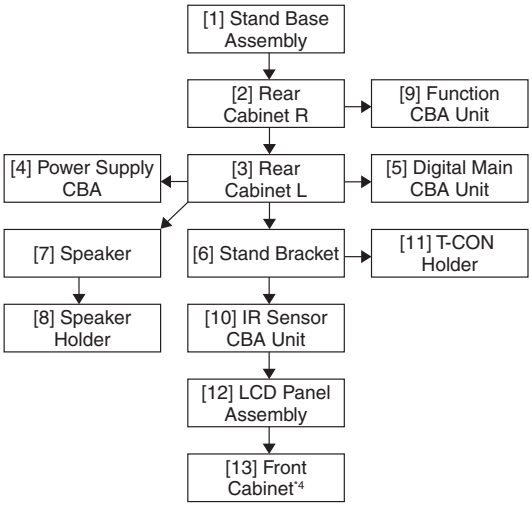
***4 : 55PFL4901/F7**

***6 : 55PFL4901/F8 (Serial No.: DS1)**

***7 : 55PFL4901/F8 (Serial No.: TC2)**

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts and the CBA in order to gain access to items 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	Fig. No.	Removal	Note
[1]	Stand Base Assembly*4	D1	8(S-1), 2(S-2), Stand Hinge Assembly	---
	Stand Base Assembly*5	D1	8(S-1), Stand Neck	---
[2]	Rear Cabinet R	D1	13(S-3), 6(S-4), 2(S-5), 8(L-1)	---
[3]	Rear Cabinet L	D1	9(S-6), 4(S-7), 8(L-2)	---
[4]	Power Supply CBA	D2 W1	5(S-8), CN501, CN601, CN1101, CN1201, CN1401	---
[5]	Digital Main CBA Unit	D2 W1	4(S-9), CN3501, CN3801, CN3901, Jack Holder	---
[6]	Stand Bracket	D3	2(S-10)	---
[7]	Speaker	D3	----------	---
[8]	Speaker Holder	D3	2(S-11)	---
[9]	Function CBA Unit	D3 W1	CN4051, Function Knob, Knob Frame, Hook	2
[10]	IR Sensor CBA Unit	D3 W1	Sensor Shield, Hook	2
[11]	T-CON Holder	D4 D5	4(S-12), T-CON Module, FFC Cable	1
[12]	LCD Panel Assembly*5	D4	Decoration Plate, LED Lens, Leading Edge Cover, Hook	1
	LCD Panel Assembly*4	D5	15(S-13)	1
[13]*4	Front Cabinet	D5	Decoration Plate, LED Lens, Leading Edge Cover, Hook, Cell Cushion LR, Cell Cushion UD, Doble Side Tape	1 3

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

***4 : 55PFL4901/F7**

***5 : 55PFL4901/F8**

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
e.g. 2(S-2) = two Screws of (S-2),
2(L-2) = two Locking Tabs of (L-2)

(5) Refer to the following “Reference Notes in the Table.”

Important precautions concerning the LCD Panel Assembly:

1. When you disassemble/re-assemble the LCD Panel Assembly.

- Do not pull the FFC Cable and Board Cable forcefully when you re-assemble.
- Be careful not to scratch the display panel when assembling.
- Make sure to replace the Decoration Plate, LED Lens and Leading Edge Cover to a new one when replacing the LCD Panel Assembly.
- Make sure the T-CON Module and T-CON Holder are securely in place when assembling.

2. When you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.

- Be careful not to break the hooks. If you pull with too much force, the hooks may be damaged.
- Make sure the hooks are securely in place when assembling.
- The Function CBA Unit, Function Knob and Knob Frame are fixed in place by the hooks. Make sure these hooks are not damaged. Make sure the Function CBA Unit, Function Knob and Knob Frame are securely in place when re-assembling.
- The IR Sensor CBA Unit and Sensor Shield are fixed in place by the hooks. Make sure these hooks are not damaged. Make sure the IR Sensor CBA Unit and Sensor Shield are securely in place when re-assembling.

3. When you disassemble/re-assemble the Front Cabinet.*4

- Be careful not to break the hook. If you pull with too much force, the hooks may be damaged.
- Make sure to replace the Cell Cushion and Duble Side Tape to a new one when replacing the Front Cabinet.

***4 : 55PFL4901/F7**

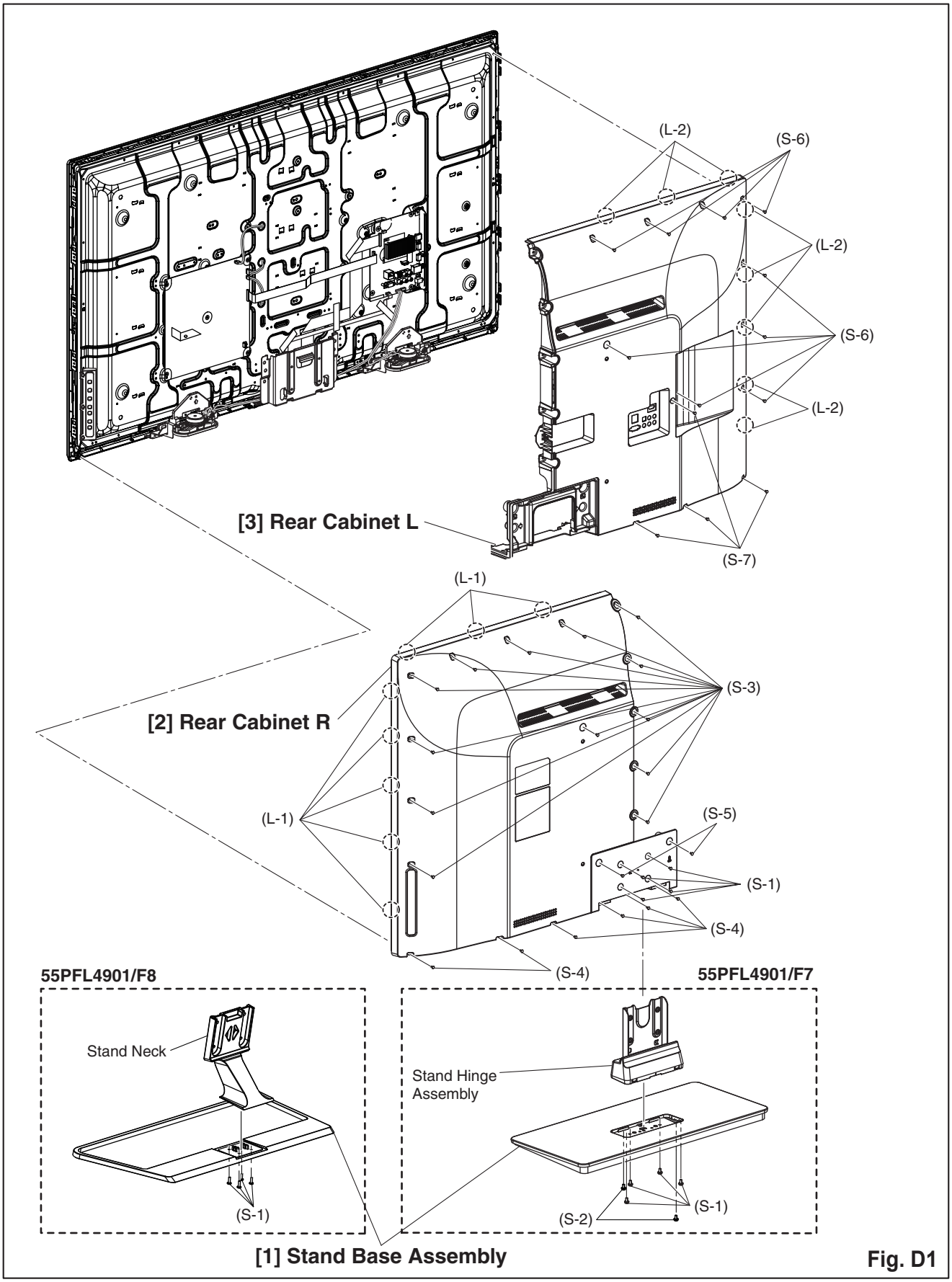

(L-2)
(S-6)
(L-2)
(S-6)
(L-2)
(S-7)
[3] Rear Cabinet L
(L-1)
(S-3)
[2] Rear Cabinet R
(L-1)
(S-5)
(S-1)
(S-4)
(S-4)
55PFL4901/F8
55PFL4901/F7
Stand Neck
Stand Hinge Assembly
(S-1)
(S-2)
(S-1)
[1] Stand Base Assembly

Fig. D1

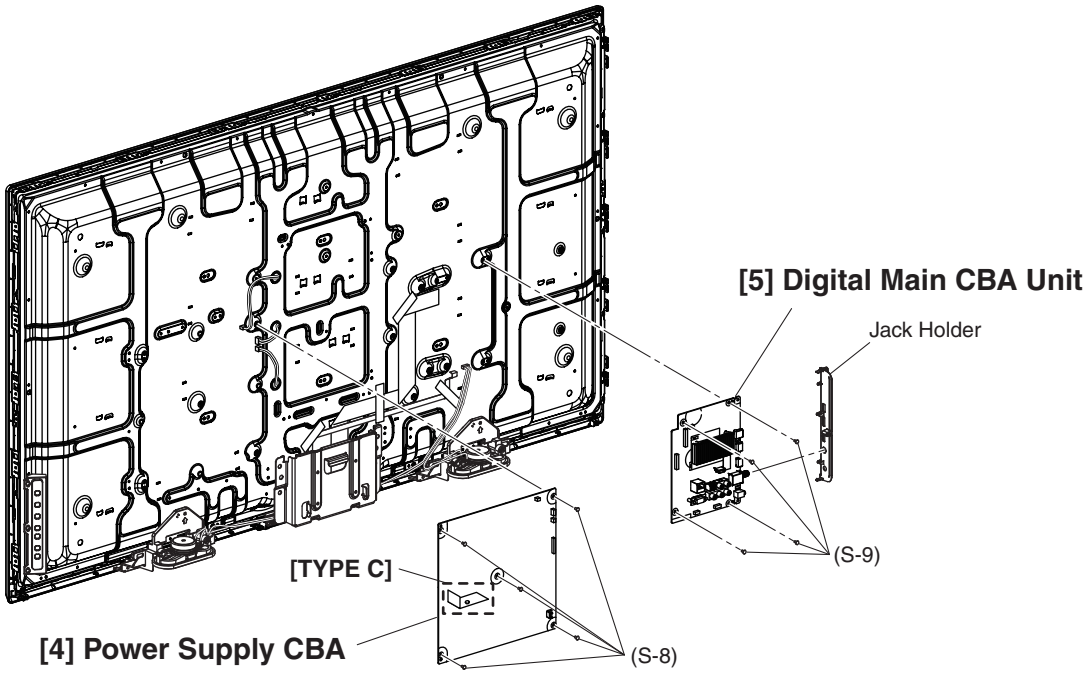

[5] Digital Main CBA Unit
Jack Holder
(S-9)
[TYPE C]
[4] Power Supply CBA
(S-8)

Fig. D2

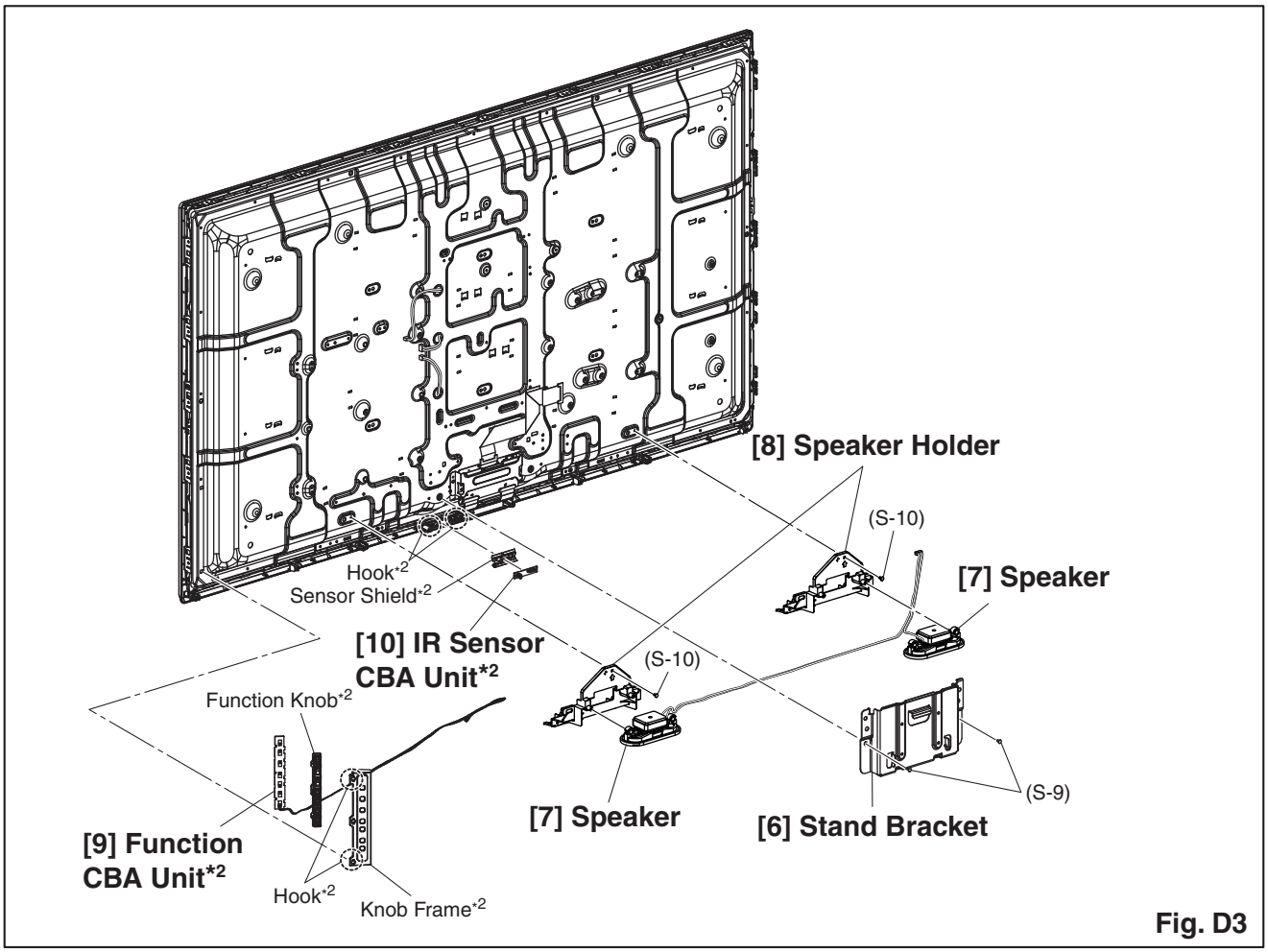


Fig. D3

***2: Make sure to read all the precautions on page 4-20 when you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.**

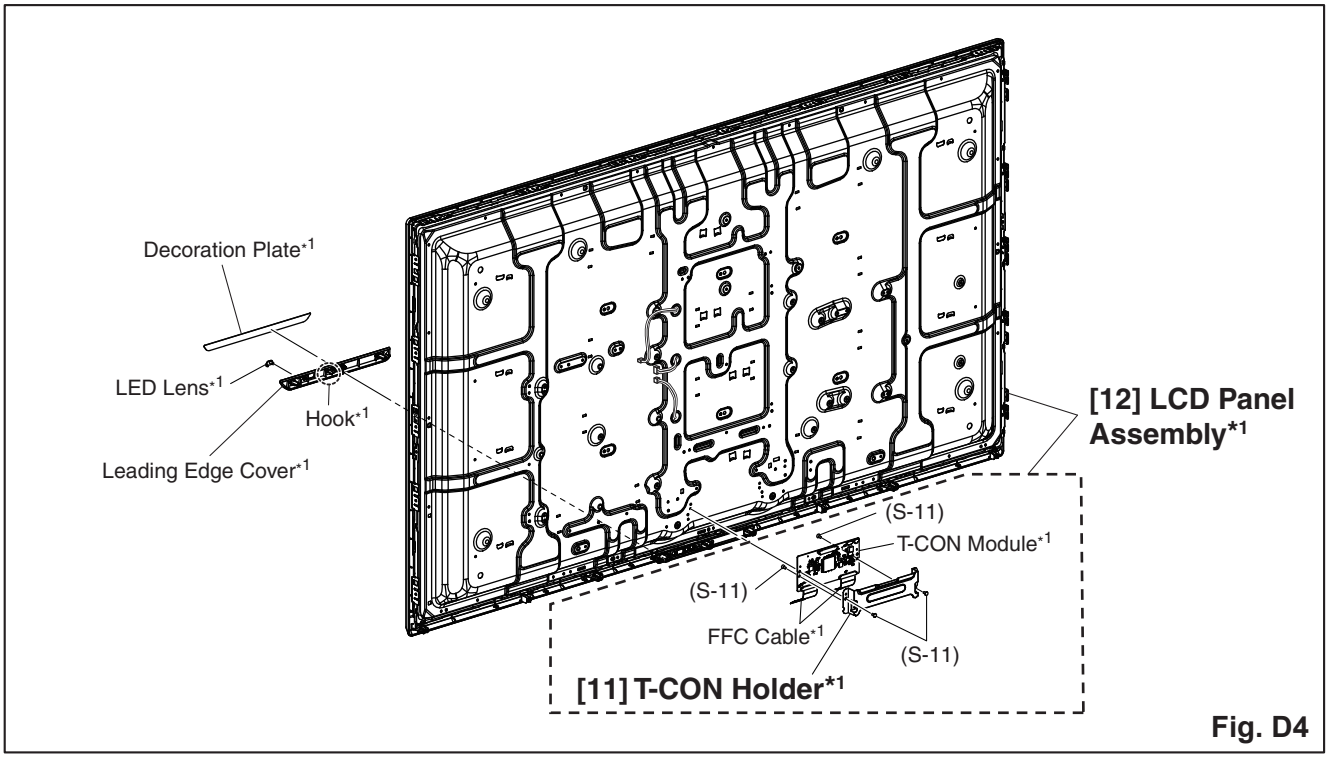


Fig. D4

***1: Make sure to read all the precautions on page 4-20 when you disassemble/re-assemble the LCD Panel Assembly.**

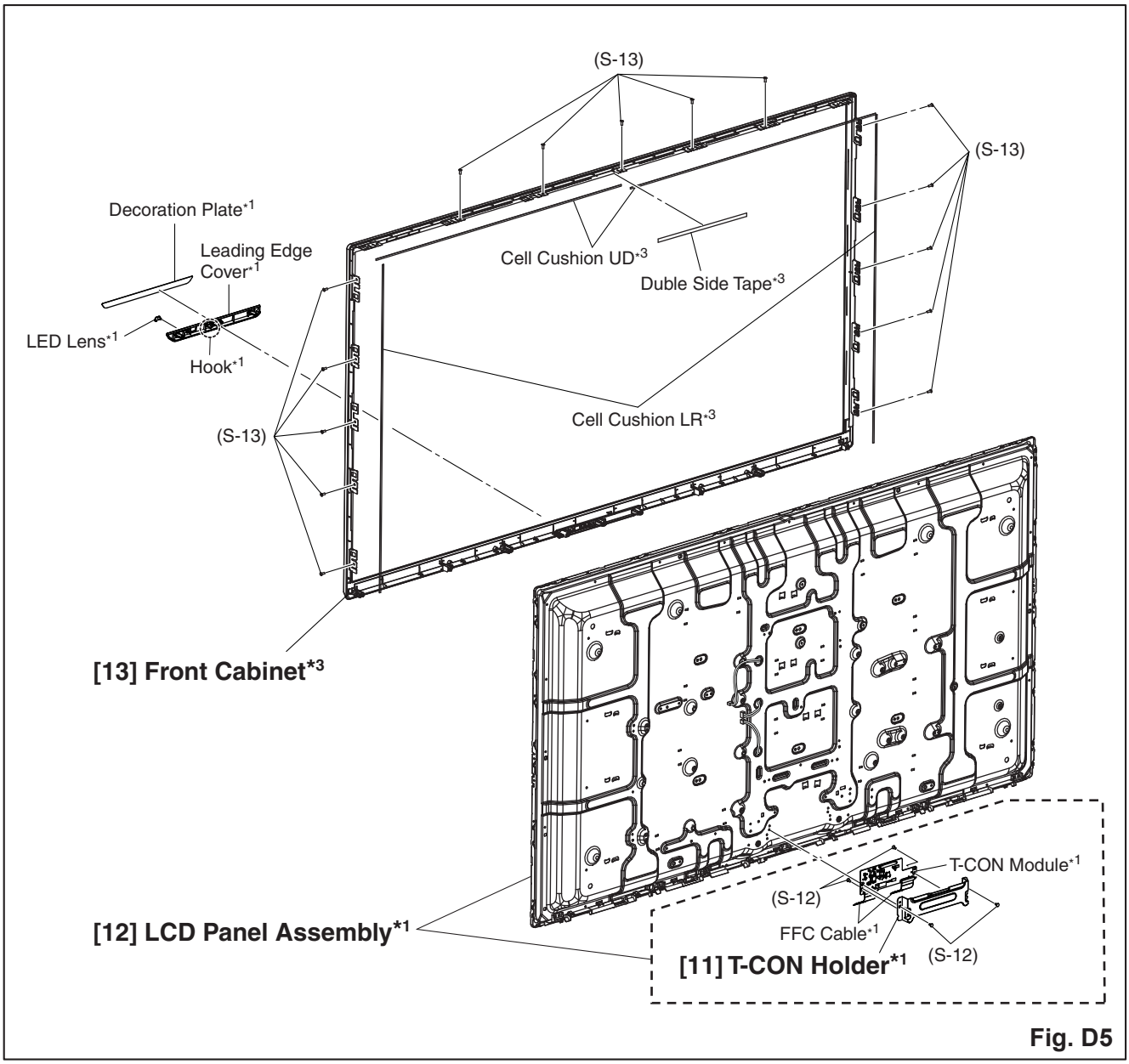


Fig. D5

***1: Make sure to read all the precautions on page 4-20 when you disassemble/re-assemble the LCD Panel Assembly.**

***3: Make sure to read all the precautions on page 4-20 when you disassemble/re-assemble the Front Cabinet.**

3. How to Replace the Front Cabinet

When replacing the Front Cabinet, the inner adjunctive equipment such as Cell Cushion must also be replaced all together.

Disassembly Method

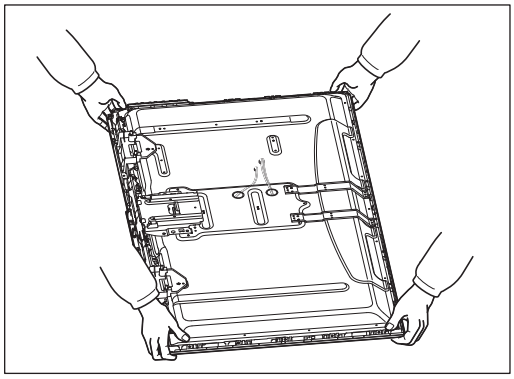
CAUTION ⚠:

Disassembly MUST be performed in a CR (Clean Room).

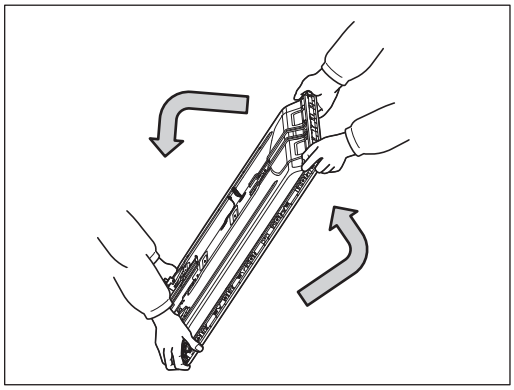
Make sure to perform disassembly operations by following “2.Disassembly Method”, until Fig. D4 beforehand to remove the CBA units, speakers, etc.

Note: Turning over the unit requires two workers and a wide flat table.

1. Hold the four corners of the LCD Panel Assembly.

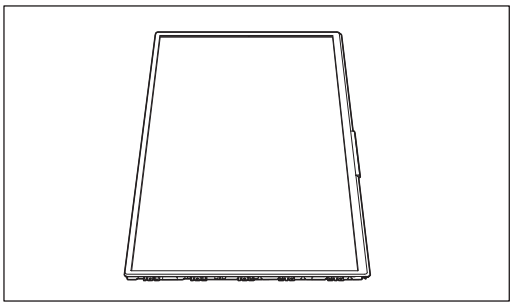


2. With the X-PCB side down, slowly lift and tilt the unit until it is in a vertical position.



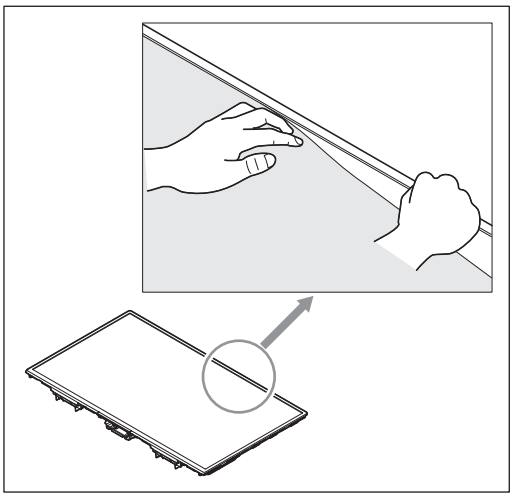
3. From a vertical position, turn the top of the unit toward the other side.

4. Slowly put the LCD Panel Assembly down.



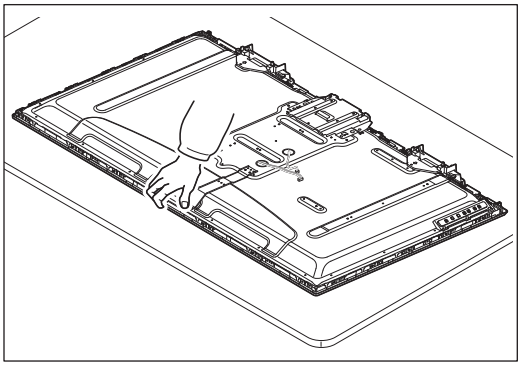
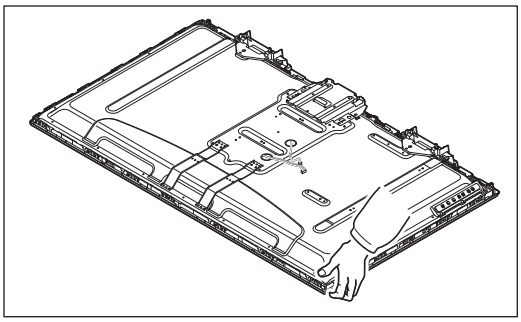
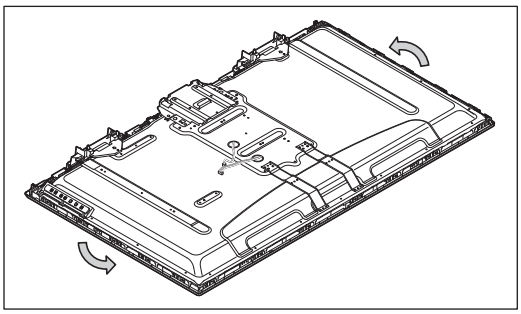
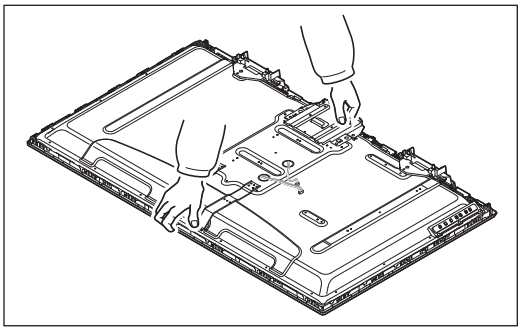
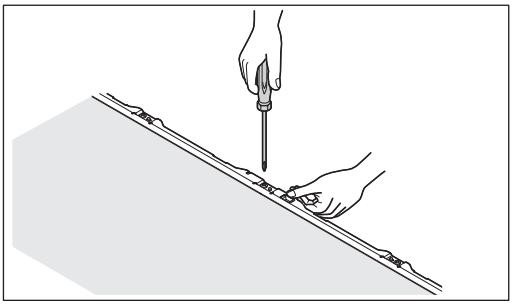
5. Hold the Cell and remove the Front Cabinet along with the Grand Tape.

Note: Do not apply excessive force to the Cell. Doing so may break the Cell.



There is glue remains from the Grand Tape, on the removed Cell. Wipe the remains as well as possible.

Work Prohibitions

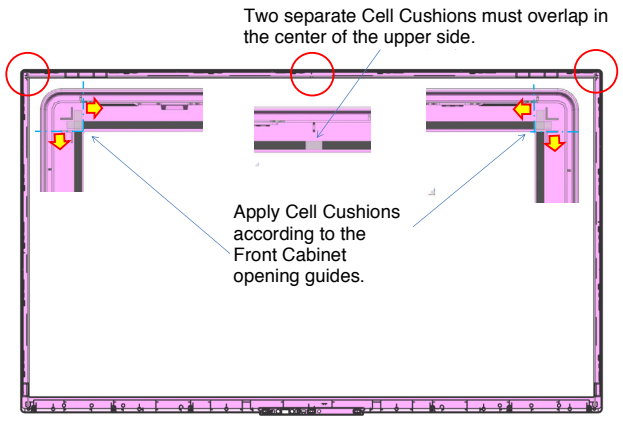
Lift middle part (same for upper and lower side) NG		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
Lift 1 corner only NG		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
Rotate to reverse direction at left and right (SET is prone to be twisted NG)		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
When handling repairing parts (no rear cabinet), DO NOT lift middle part of SET		The middle of upper & lower side is the weakest point for Rear Frame, can cause it to deform easily towards opening direction. For that reason, the following symptoms may occur. • Irregularity will appear (diffusing sheet will come out from cell guide) • Light leakage will happen (CELL will come out)
Bezel reassembly requires jigs; otherwise, support Rear Frame when screwing so that the Rear Frame will not open.		If a jig is not working effectively, the following symptoms may occur. • Rear Frame will deform towards opening direction • Diffusing plate will fall off from Rear Frame • Irregularity will appear on sheet (diffusing sheet will come out from cell guide) • Cell will be either get between cell guide or fall off.

How to Attach Adjunctive Equipment

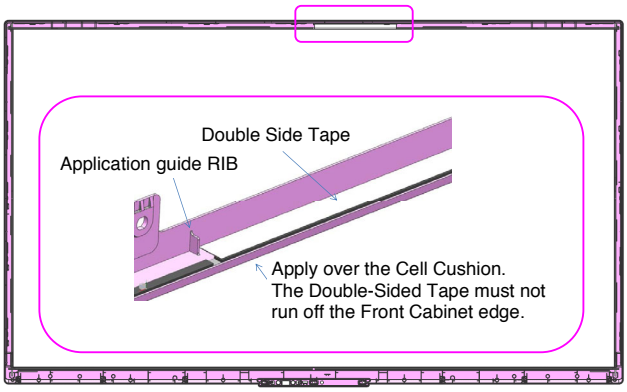
There are no Cell Cushion, etc. attached on the new Front Cabinet to be replaced with.

Apply adjunctive equipment such as Cell Cushion by consulting the following, then assemble the Front Cabinet.

1. Cell Cushion



2. Double Side Tape (150 mm x 9 mm)



TV Cable Wiring Diagram

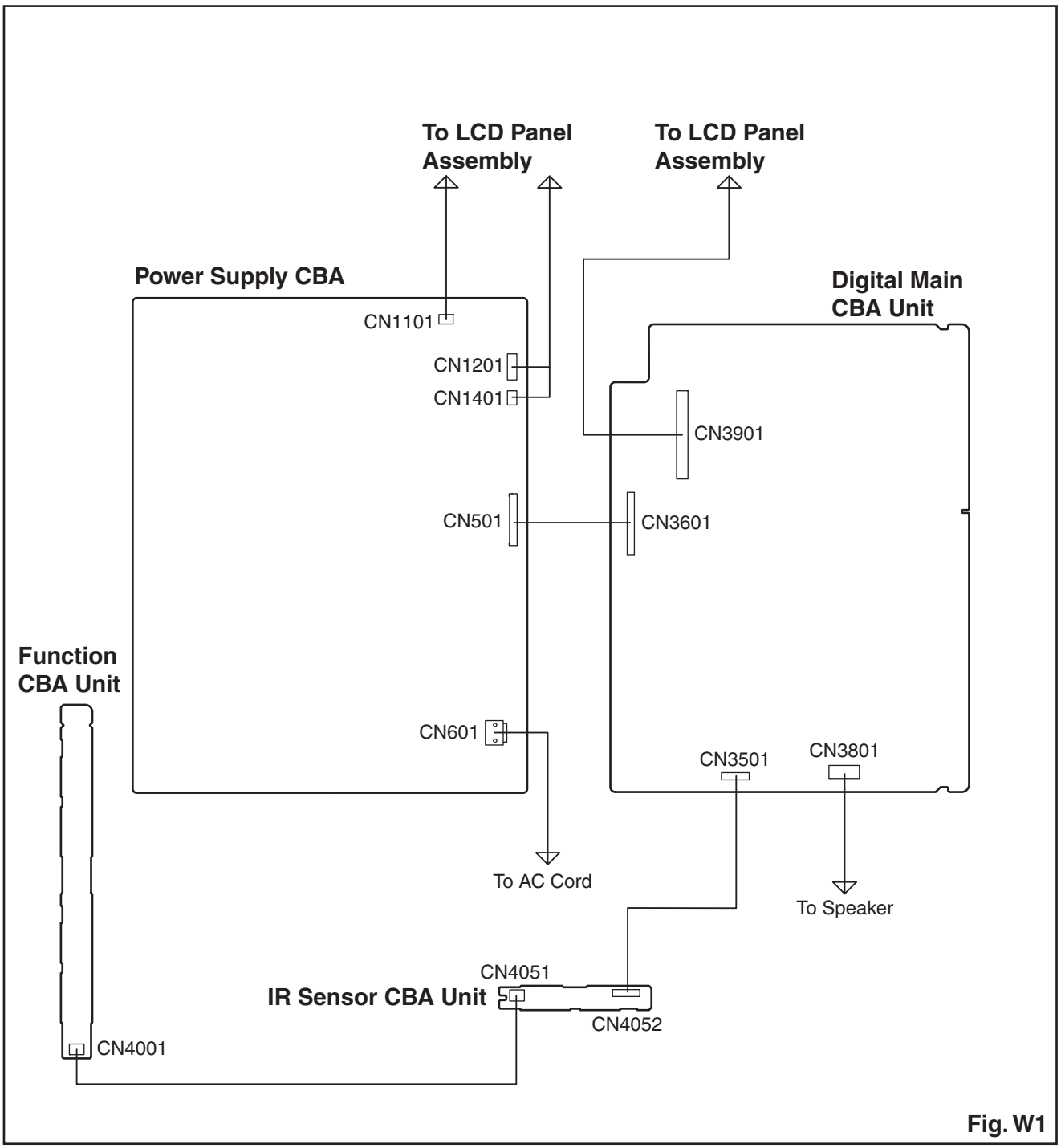


Fig. W1

[TYPE D, F]

Screw Torque Specification

Ref. No.	Part Number	Part Name	Tightening Torque
L10	GCHP3120	SCREW F-PAN BLACK_NI +P-TITE M3X12.0	5.2±0.9lb·in
L23	GBJS3060	SCREW BIND 3CHROM +S-TITE M3X6.0	
L28	GCHS3080	SCREW F-PAN BLACK_NI +S-TITE M3X8.0	
L42	FPH34120	SEMS-SW PAN BLACK_NI + M4X12.0	
L76	2EML00004	SCREW M3X7 LOW HEAD	
SSK1 *4 *5	2ESA02120	STAND SCREW KIT A5GRBUH(SEMS-SW PAN BLACK_NI + M4X12.0)	(approx. 8.7±0.9lb·in)*
SSK2 *5	2ESA02121	STAND SCREW KIT A5GRBUH(SEMS-SW PAN 3CHROM + M5X12.0)	

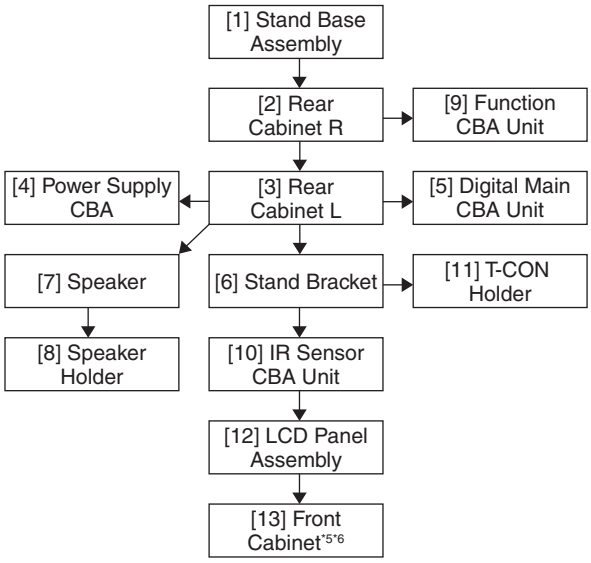
*** : For reference**

***4 : TYPE D**

***5 : TYPE F**

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts and the CBA in order to gain access to items 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	Fig. No.	Removal	Note
[1]	Stand Base Assembly*4	D1	8(S-1), Stand Neck	---
	Stand Base Assembly*5	D1	8(S-1), 2(S-1a), Stand Hinge Assembly	---
[2]	Rear Cabinet R	D1	13(S-2), 6(S-3), 2(S-4), 4(L-1)	---
[3]	Rear Cabinet L	D1	9(S-5), 4(S-6), 4(L-2)	---
[4]	Power Supply CBA	D2 W1	5(S-7), CN601, CN651, CN652, CN1101, CN1201, CN1401	---
[5]	Digital Main CBA Unit	D2 W1	4(S-8), CN3105, CN3801, CN3901, Jack Holder	---
[6]	Stand Bracket	D3	2(S-9)	---
[7]	Speaker	D3	----------	---
[8]	Speaker Holder	D3	2(S-10)	---
[9]	Function CBA Unit	D3 W1	CN4051, Function Knob, Knob Frame, Hook	2
[10]	IR Sensor CBA Unit	D3 W1	Sensor Shield, Hook	2
[11]	T-CON Holder	D4 D5	4(S-11), T-CON Module, FFC Cable	1
[12]	LCD Panel Assembly	D4	Decoration Plate, LED Lens, Leading Edge Cover, Hook	1
	LCD Panel Assembly *5 *6	D5	15(S-12)	1
[13] *5 *6	Front Cabinet	D5	Decoration Plate, LED Lens, Leading Edge Cover, Hook, Cell Cushion LR, Cell Cushion UD, Doble Side Tape	1 3

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

***4 : TYPE D**

***5 : TYPE F**

***6 : 55PFL6900/F7 A**

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
e.g. 2(S-2) = two Screws of (S-2),
2(L-2) = two Locking Tabs of (L-2)

(5) Refer to the following “Reference Notes in the Table.”

Important precautions concerning the LCD Panel Assembly:

1. When you disassemble/re-assemble the LCD Panel Assembly.

- Do not pull the FFC Cable and Board Cable forcefully when you re-assemble.
- Be careful not to scratch the display panel when assembling.
- Make sure to replace the Decoration Plate, LED Lens and Leading Edge Cover to a new one when replacing the LCD Panel Assembly.
- Make sure the T-CON Module and T-CON Holder are securely in place when assembling.

2. When you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.

- Be careful not to break the hooks. If you pull with too much force, the hooks may be damaged.
- Make sure the hooks are securely in place when assembling.
- The Function CBA Unit, Function Knob and Knob Frame are fixed in place by the hooks. Make sure these hooks are not damaged. Make sure the Function CBA Unit, Function Knob and Knob Frame are securely in place when re-assembling.
- The IR Sensor CBA Unit and Sensor Shield are fixed in place by the hooks. Make sure these hooks are not damaged. Make sure the IR Sensor CBA Unit and Sensor Shield are securely in place when re-assembling.

3. When you disassemble/re-assemble the Front Cabinet.*5 *6

- Be careful not to break the hook. If you pull with too much force, the hooks may be damaged.
- Make sure to replace the Cell Cushion and Duble Side Tape to a new one when replacing the Front Cabinet.

***5 : TYPE F**

***6 : 55PFL6900/F7 A**

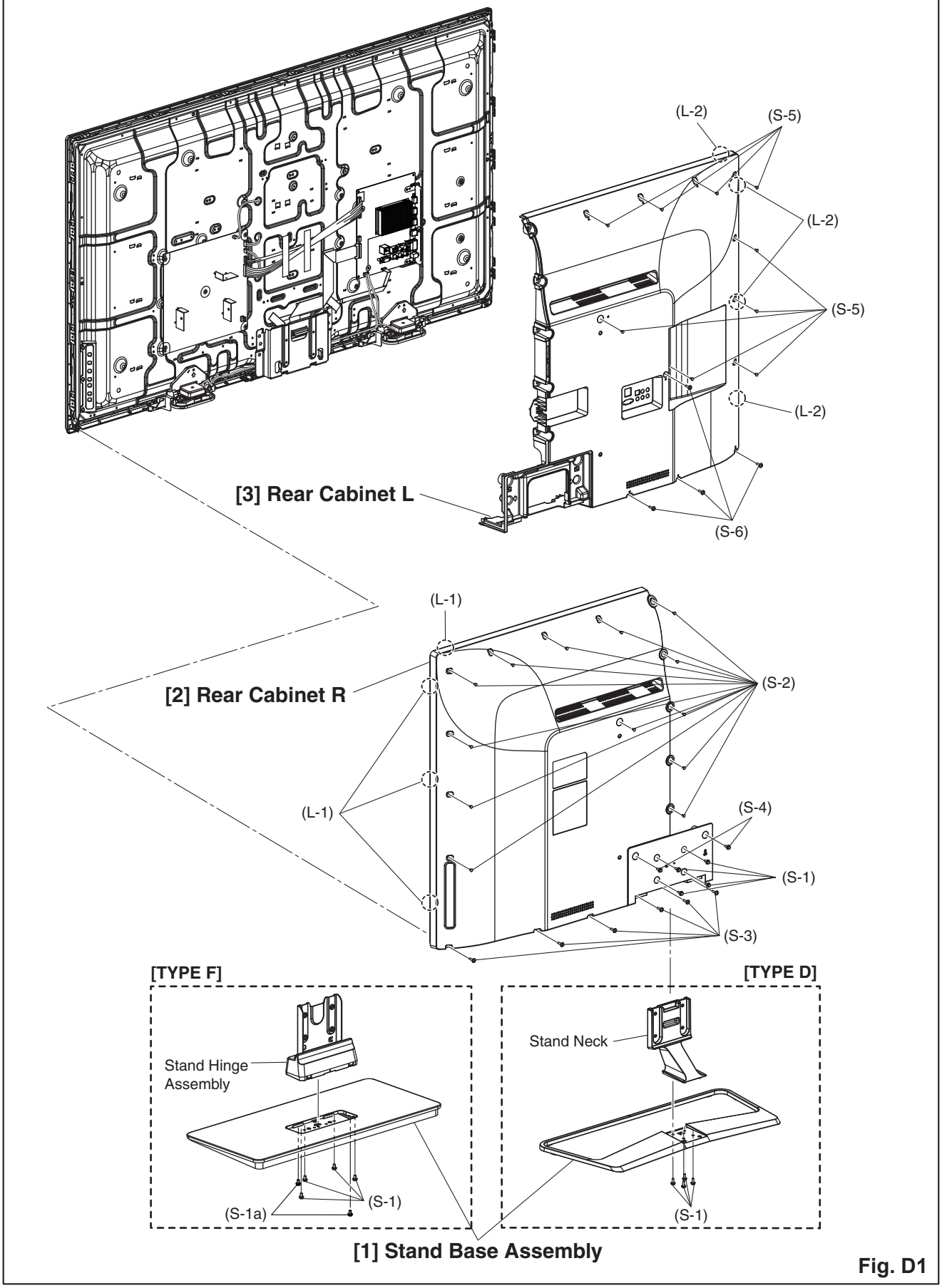

(L-2)
(S-5)
(L-2)
(S-5)
(L-2)
[3] Rear Cabinet L
(S-6)
(L-1)
[2] Rear Cabinet R
(S-2)
(L-1)
(S-4)
(S-1)
(S-3)
[TYPE F]
[TYPE D]
Stand Hinge Assembly
Stand Neck
(S-1a)
(S-1)
(S-1)
[1] Stand Base Assembly

Fig. D1

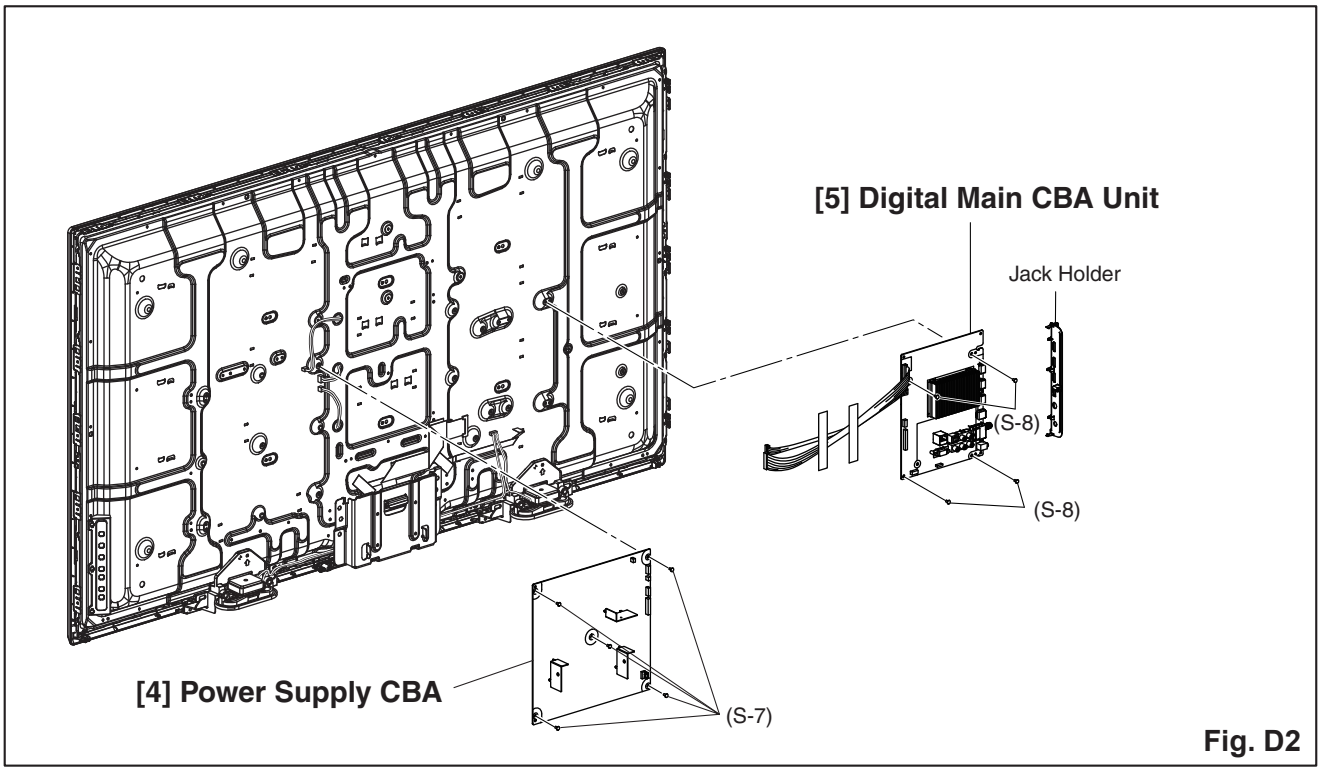

[5] Digital Main CBA Unit
Jack Holder
(S-8)
(S-8)
[4] Power Supply CBA
(S-7)

Fig. D2

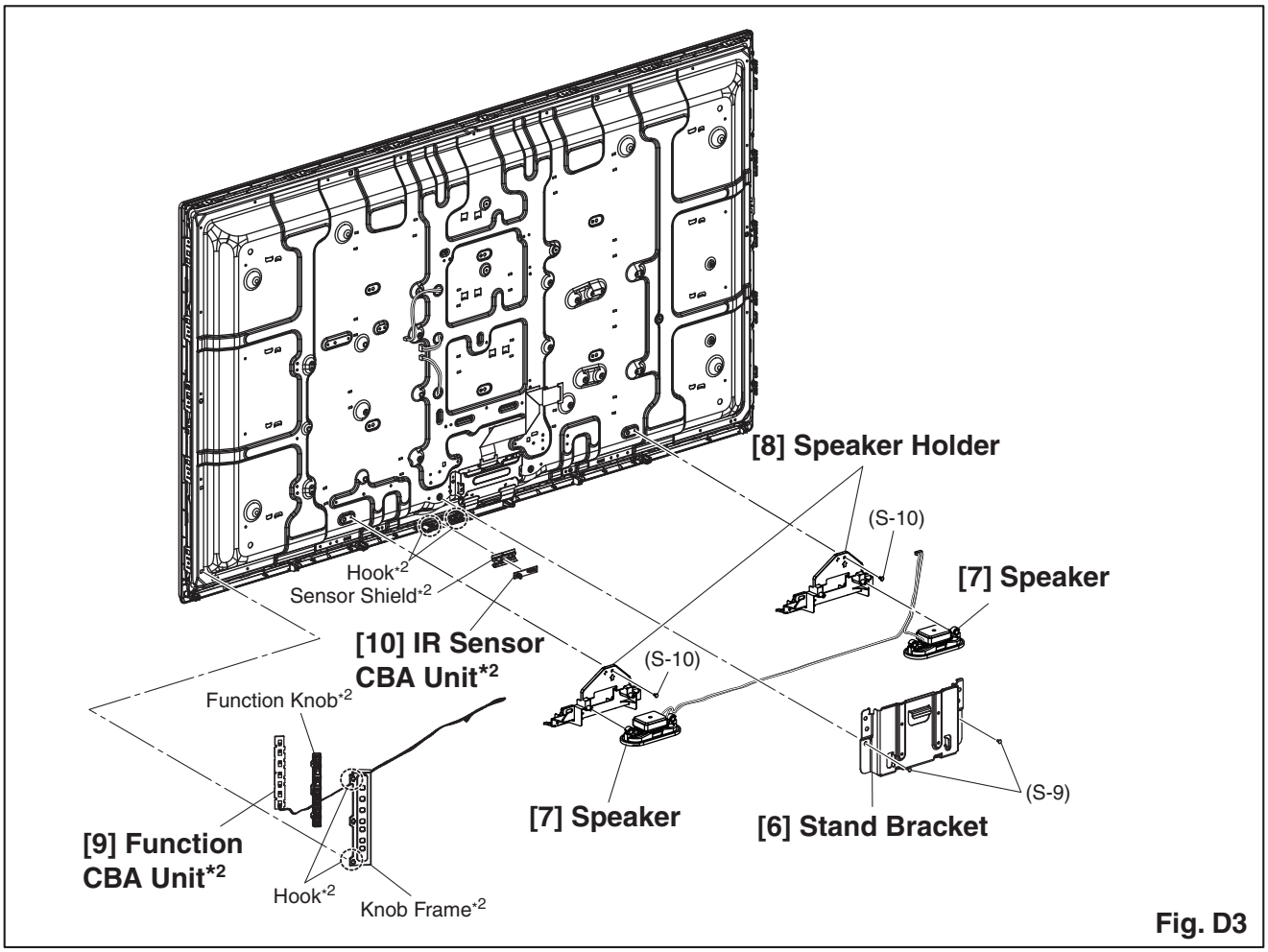


Fig. D3

***2: Make sure to read all the precautions on page 4-31 when you disassemble/re-assemble the Function CBA Unit or the IR Sensor CBA Unit.**

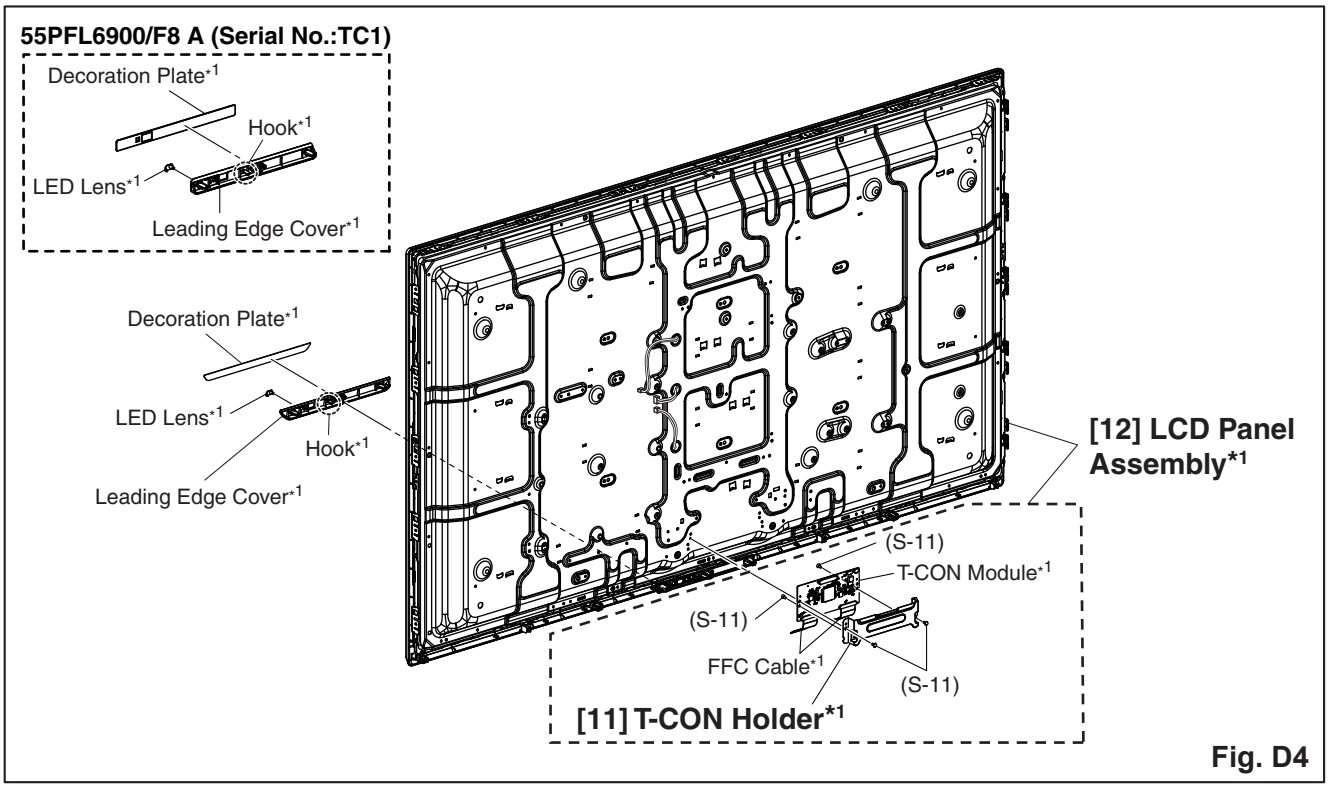


Fig. D4

***1: Make sure to read all the precautions on page 4-31 when you disassemble/re-assemble the LCD Panel Assembly.**

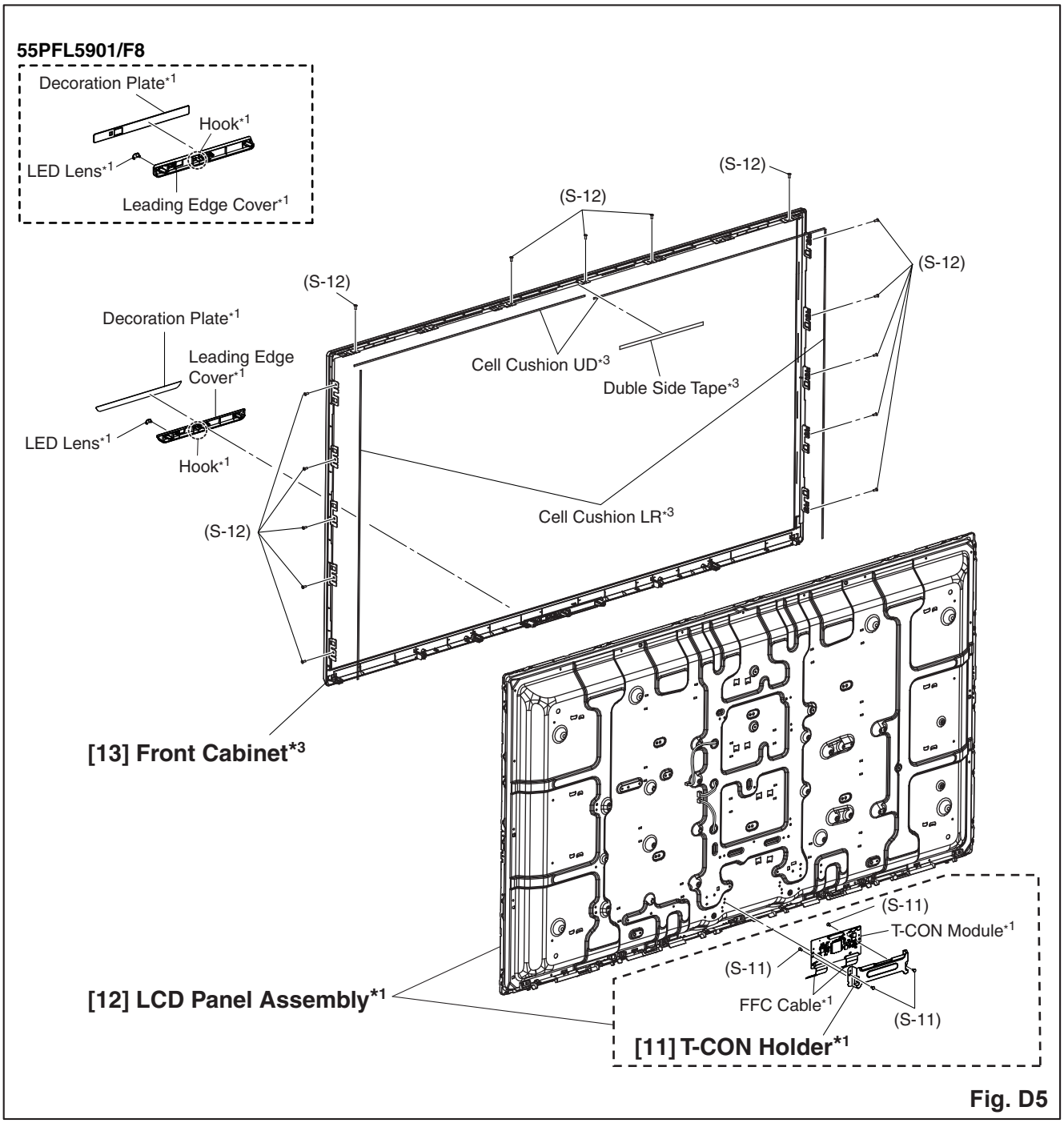


Fig. D5

***1: Make sure to read all the precautions on page 4-31 when you disassemble/re-assemble the LCD Panel Assembly.**

***3: Make sure to read all the precautions on page 4-31 when you disassemble/re-assemble the Front Cabinet.**

3. How to Replace the Front Cabinet

When replacing the Front Cabinet, the inner adjunctive equipment such as Cell Cushion must also be replaced all together.

Disassembly Method

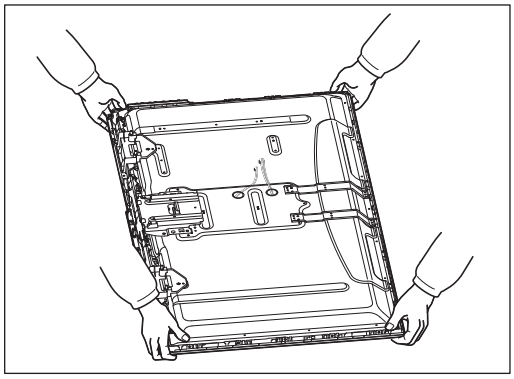
CAUTION ⚠:

Disassembly MUST be performed in a CR (Clean Room).

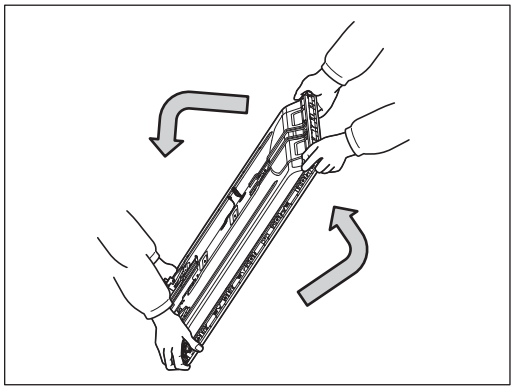
Make sure to perform disassembly operations by following “2.Disassembly Method”, until Fig. D5 beforehand to remove the CBA units, speakers, etc.

Note: Turning over the unit requires two workers and a wide flat table.

1. Hold the four corners of the LCD Panel Assembly.

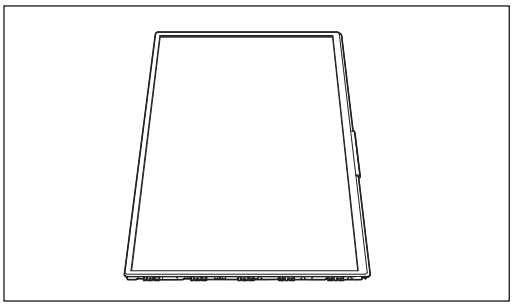


2. With the X-PCB side down, slowly lift and tilt the unit until it is in a vertical position.



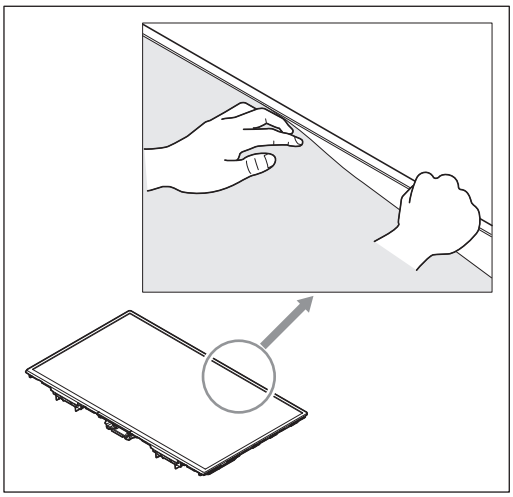
3. From a vertical position, turn the top of the unit toward the other side.

4. Slowly put the LCD Panel Assembly down.



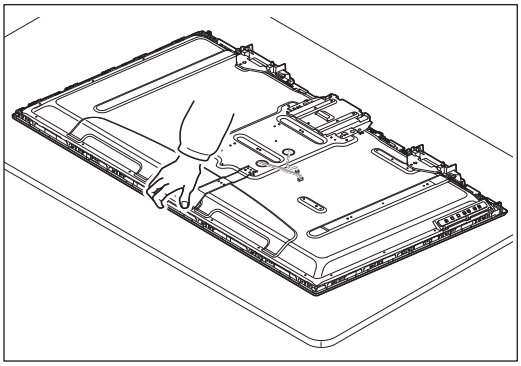
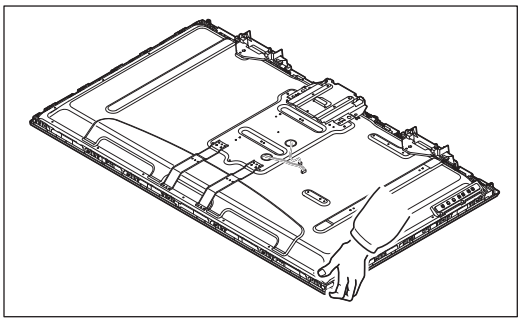
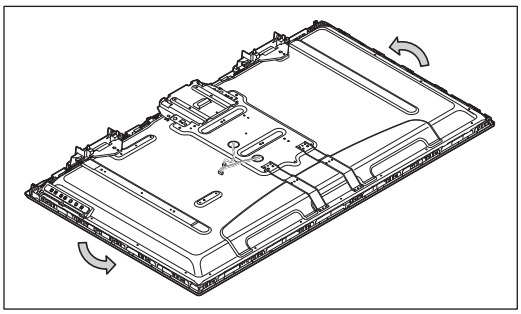
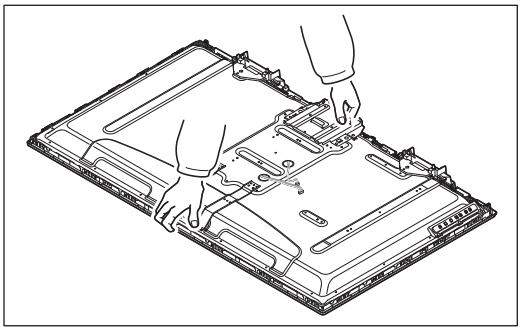
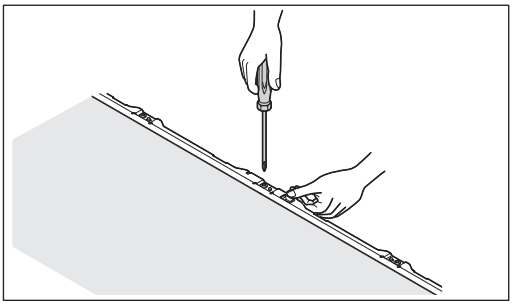
5. Hold the Cell and remove the Front Cabinet along with the Grand Tape.

Note: Do not apply excessive force to the Cell. Doing so may break the Cell.



There is glue remains from the Grand Tape, on the removed Cell. Wipe the remains as well as possible.

Work Prohibitions

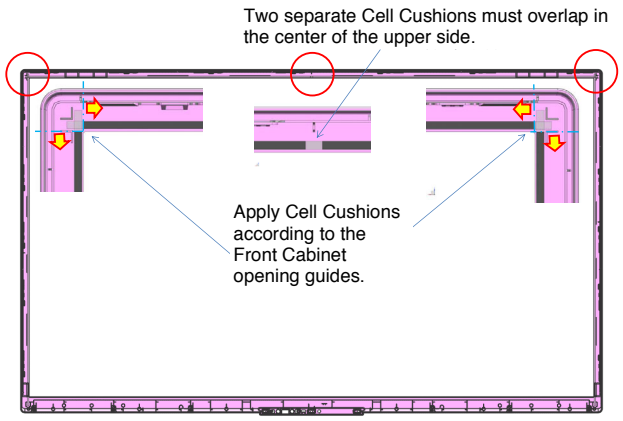
Lift middle part (same for upper and lower side) NG		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
Lift 1 corner only NG		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
Rotate to reverse direction at left and right (SET is prone to be twisted NG)		Cause colour spots (Diffusing sheet overlap) At worst, cell can be broken.
When handling repairing parts (no rear cabinet), DO NOT lift middle part of SET		The middle of upper & lower side is the weakest point for Rear Frame, can cause it to deform easily towards opening direction. For that reason, the following symptoms may occur. • Irregularity will appear (diffusing sheet will come out from cell guide) • Light leakage will happen (CELL will come out)
Bezel reassembly requires jigs; otherwise, support Rear Frame when screwing so that the Rear Frame will not open.		If a jig is not working effectively, the following symptoms may occur. • Rear Frame will deform towards opening direction • Diffusing plate will fall off from Rear Frame • Irregularity will appear on sheet (diffusing sheet will come out from cell guide) • Cell will be either get between cell guide or fall off.

How to Attach Adjunctive Equipment

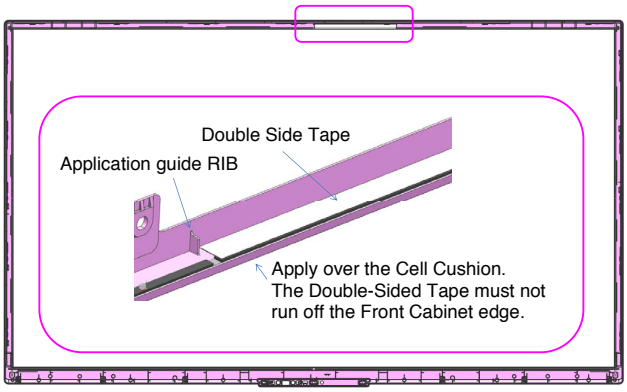
There are no Cell Cushion, etc. attached on the new Front Cabinet to be replaced with.

Apply adjunctive equipment such as Cell Cushion by consulting the following, then assemble the Front Cabinet.

1. Cell Cushion



2. Double Side Tape (150 mm x 9 mm)



TV Cable Wiring Diagram

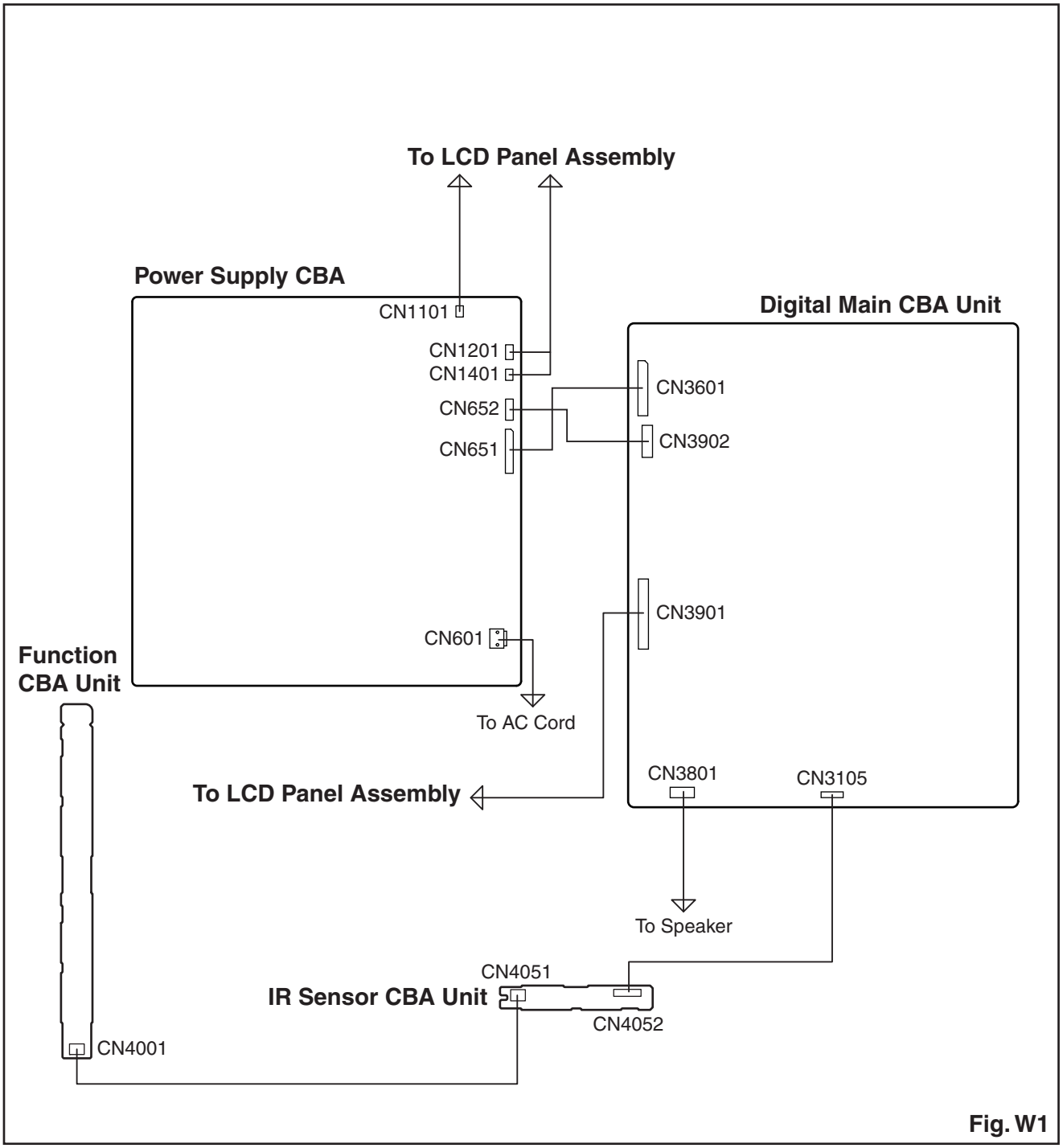


Fig. W1

ELECTRICAL ADJUSTMENT INSTRUCTIONS

[TYPE A, B, D, F]

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. Remote control unit
2. Color Analyzer,
   CA-310 (KONICA MINOLTA Luminance meter) or measuring instrument as good as CA-310.

How to set up the service mode:

Service mode:

1. Turn the power on.
2. Press [0], [6], [2], [5], [9], [6] and [INFO] buttons on the remote control unit in this order. The following screen appears.

"*" differs depending on the models.

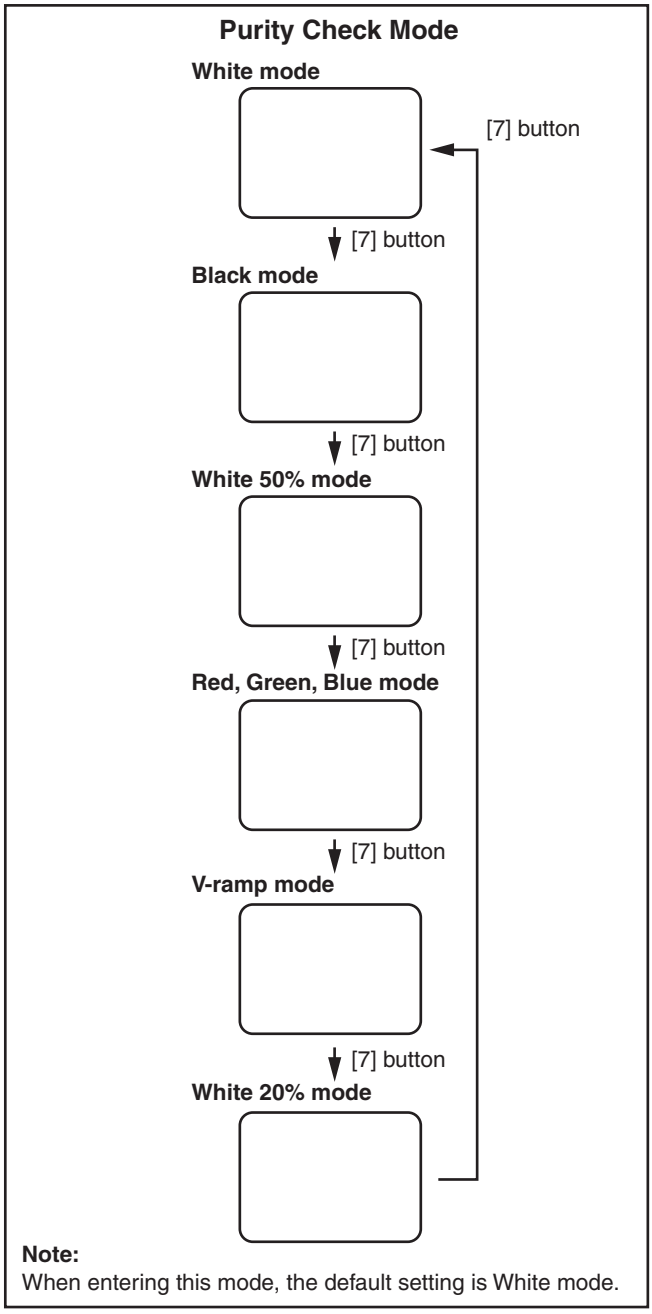
```
[current]
File code:              ***-*****-***-*
Total checksum:         Push "0" key
Panel-Option code:      **-***-***-***-***-***
                           ***-***-***-***-***

                  Press "POWER" key to exit.
[FRC]
SW Version:       *.**      MAC address: **:**:**:**:**:**
HW Version:       *.**      ESN:         ******************************
Flicker:          *****
Tuner:            ****                   Total Watch Time:   *****:**
HDMI UART:        OFF                    User Watch Time:    *****:**
Touch Sensor Ver: ------ / -.--.--       System Time:        **:**
                                         Lightsensor:        **
```

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 the [7] button on the remote control unit is pressed, the display changes as follows.



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

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

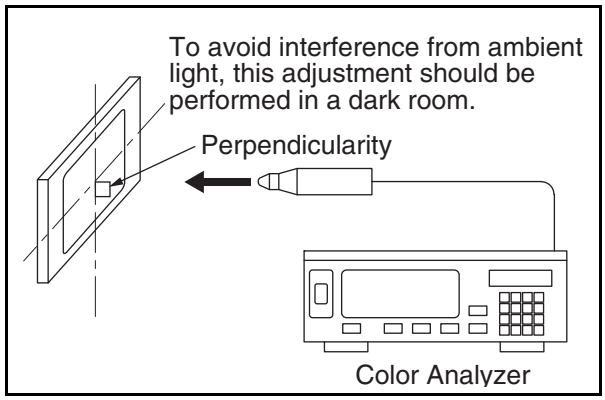
2. White Balance Adjustment

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

Symptom of Misadjustment: White becomes bluish or reddish.

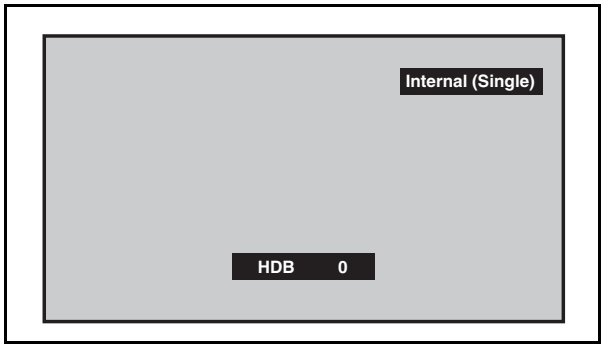
ITEM	SPECIFICATION
Color temperature	x= 0.272 ± 0.003 y= 0.278 ± 0.003
Input Signal	Internal pattern (30/50/80% raster)
Measurement point	Screen center
M. EQ.	CA-310 (KONICA MINOLTA Luminance meter) or measuring instrument as good as CA-310.
Aging time	60min. (Retail MODE/100IRE Raster HDMI 1080i@60)
MODE setting of TV	Shipment setting/ Retail MODE
Ambient temperature	25°C ± 5°C

1. Operate the unit for more than 30 minutes.
2. Enter the service mode.
3. Press [VOLUME DOWN] button three times on the remote control unit to select “Drive setting” mode. “Drive-” appears in the screen.
4. Set the color analyzer at the CHROMA mode and zero point calibration. Bring the optical receptor pointing at the center of the LCD-Panel.

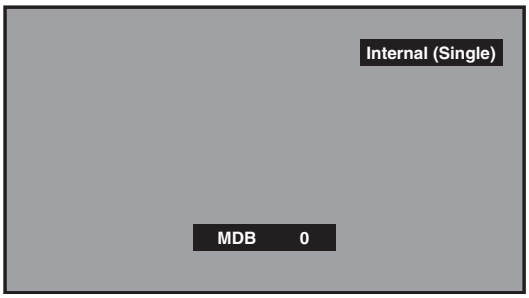


Note: The optical receptor must be set perpendicularly to the LCD Panel surface.

5. Press [3] button to select the “HDB” for High Drive Blue adjustment. (“HDB” appears in the screen.)
6. Press [MENU] button. The internal Raster signal appears in the screen. (“Internal (Single)” appears in the upper right of the screen as shown below.)

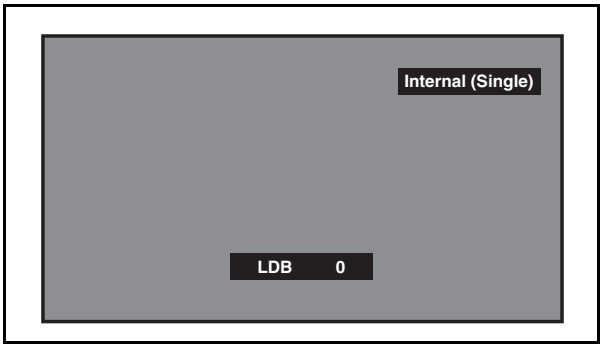


7. Press [CHANNEL UP/DOWN] buttons to adjust the color temperature becomes 12000°K (x= 0.272 / y= 0.278 ± 0.003).
8. Press [1] button to select the “HDR” for High Drive Red adjustment (“HDR” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.
9. If necessary, adjust the “HDB” or “HDR” again
10. Press [6] button to select the “MDB” for Middle Drive Blue adjustment (“MDB” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.



11. Press [4] button to select the “MDR” for Middle Drive Red adjustment (“MDR” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.
12. If necessary, adjust the “MDB” or “MDR” again.

13. Press [9] button to select the “LDB” for Low Drive Blue adjustment (“LDB” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.



14. Press [7] button to select the “LDR” for Low Drive Red adjustment (“LDR” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.
15. If necessary, adjust the “LDB” or “LDR” again.
16. Press [VOLUME DOWN] button to shift to the “Debugging Message” mode.
    If there is no message under “[WB]” section, this adjustment completes.
    If “Drive settings are NG. Retry again.” is displayed, repeat above steps from 5. to 15. Then check “Debugging Message” again. If “Drive settings are NG. Retry again.” is displayed, replace the LCD Panel or Digital Main CBA.
17. To cancel or to exit from the White Balance Adjustment, press [CH RETURN] or [PREV CH] button.

[TYPE C, E]

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. Remote control unit
2. Color Analyzer,
   CA-310 (KONICA MINOLTA Luminance meter) or measuring instrument as good as CA-310.

How to set up the service mode:

Service mode:

1. Turn the power on.
2. Press [0], [6], [2], [5], [9], [6] and [INFO] buttons on the remote control unit in this order. The following screen appears.

"*" differs depending on the models.

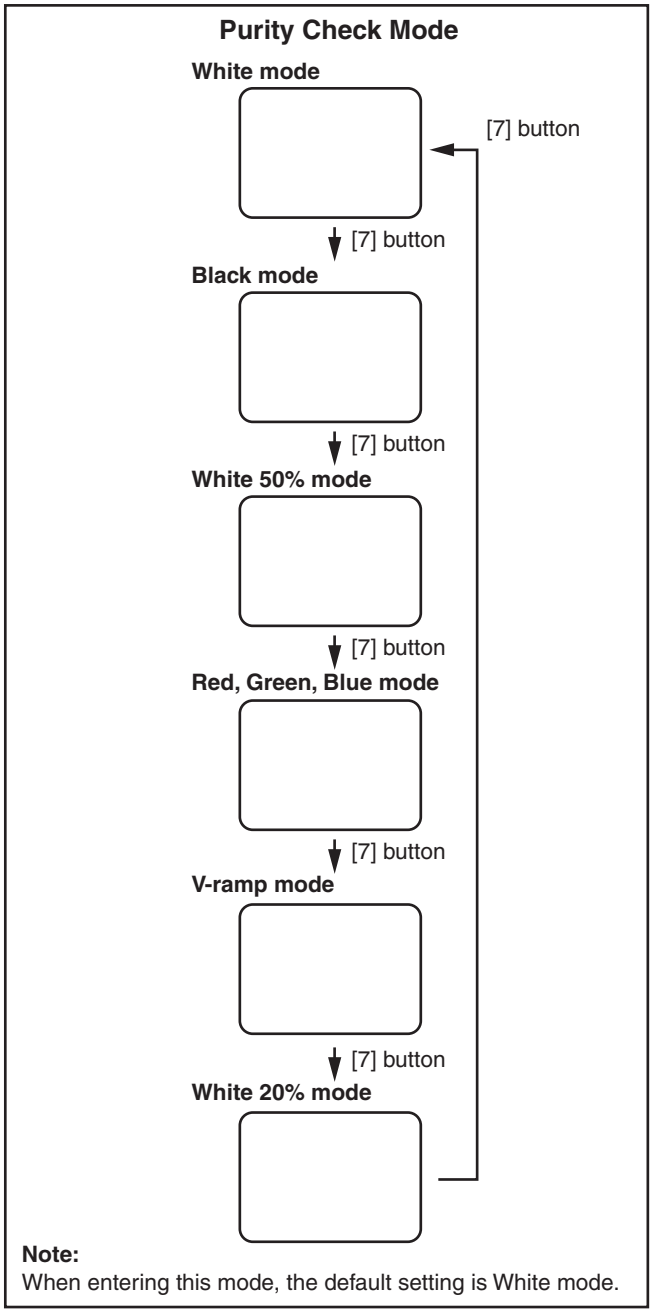
```
[current]
File code:          ***-****-***-*
Total checksum:     Push "0" key
Panel-Option code:  **-***-***-***-***-***
                       ***-***-***-***-***

                    MAC address:  **:**:**:**:**:**
                    ESN:          ****************************
Flicker:            *****
Tuner:              ****          Total Watch Time:  *****
HDMI UART:          OFF           System Time:       **:**
Touch Sensor Ver:   ------ / -.--.--
EDID:               Push "0" key
```

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 the [7] button on the remote control unit is pressed, the display changes as follows.



Note:
When entering this mode, the default setting is White mode.

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

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

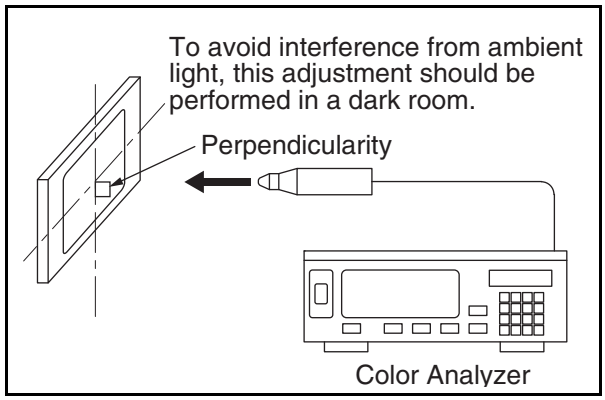
2. White Balance Adjustment

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

Symptom of Misadjustment: White becomes bluish or reddish.

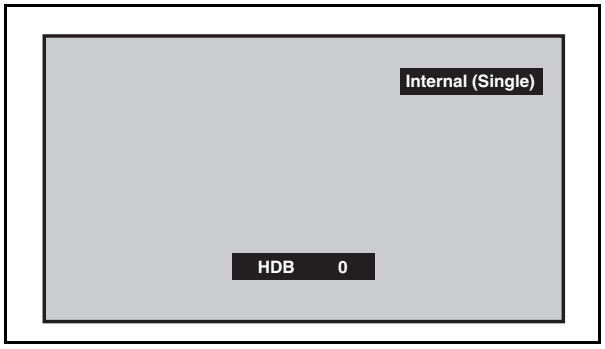
ITEM	SPECIFICATION
Color temperature	x= 0.272 ± 0.003 y= 0.278 ± 0.003
Input Signal	Internal pattern (30/80% raster)
Measurement point	Screen center
M. EQ.	CA-310 (KONICA MINOLTA Luminance meter) or measuring instrument as good as CA-310.
Aging time	60min. (Retail MODE/100IRE Raster HDMI 1080i@60)
MODE setting of TV	Shipment setting/ Retail MODE
Ambient temperature	25°C ± 5°C

1. Operate the unit for more than 30 minutes.
2. Enter the service mode.
3. Press [VOLUME DOWN] button three times on the remote control unit to select “Drive setting” mode. “Drive-” appears in the screen.
4. Set the color analyzer at the CHROMA mode and zero point calibration. Bring the optical receptor pointing at the center of the LCD-Panel.

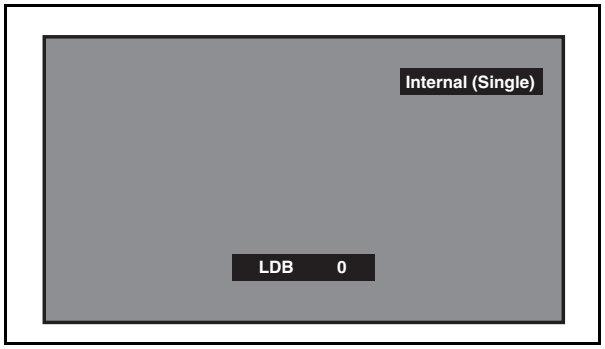


Note: The optical receptor must be set perpendicularly to the LCD Panel surface.

5. Press [3] button to select the “HDB” for High Drive Blue adjustment. (“HDB” appears in the screen.)
6. Press [MENU] button. The internal Raster signal appears in the screen. (“Internal (Single)” appears in the upper right of the screen as shown below.)



7. Press [CHANNEL UP/DOWN] buttons to adjust the color temperature becomes 12000°K (x= 0.272 / y= 0.278 ± 0.003).
8. Press [1] button to select the “HDR” for High Drive Red adjustment (“HDR” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.
9. If necessary, adjust the “HDB” or “HDR” again
10. Press [9] button to select the “LDB” for Low Drive Blue adjustment (“LDB” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.



11. Press [7] button to select the “LDR” for Low Drive Red adjustment (“LDR” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.
12. Press [8] button to select the “LDG” for Low Drive Green adjustment (“LDG” appears in the screen.) and press [CHANNEL UP/DOWN] buttons to adjust the color temperature.
13. If necessary, adjust the “LDB” , “LDR” or “LDG” again.

14. Press [VOLUME DOWN] button to shift to the “Debugging Message” mode.
    If there is no message under “[WB]” section, this adjustment completes.
    If “Drive settings are NG. Retry again.” is displayed, repeat above steps from 5. to 13. Then check “Debugging Message” again. If “Drive settings are NG. Retry again.” is displayed, replace the LCD Panel or Digital Main CBA.
15. To cancel or to exit from the White Balance Adjustment, press [CH RETURN] or [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.

Note: Disconnect any device from the USB Port before you conduct on this procedure.

1. Turn the power on.
2. Enter the service mode.
   - To cancel the service mode, press [⏻] button on the remote control unit.
3. Press [BACK] button to enter the Control Panel Key Confirmation Menu.
4. Press all buttons on the control panel.
5. Press [INFO] button to proceed with the self check mode.
6. Make sure to confirm the “INITIALIZED : OK” appears in the green screen.
7. Unplug the AC Cord and plug it back on again.

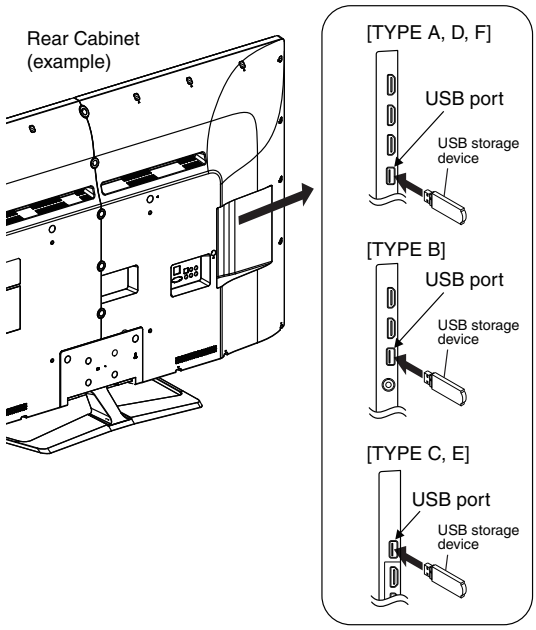
FIRMWARE RENEWAL MODE

Equipment Required

a. USB storage device
b. Remote Control Unit

Firmware Update Procedure

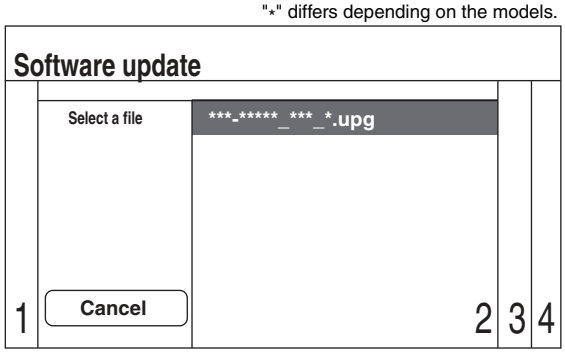
1. Turn the power off and unplug the AC Cord.
2. Insert the USB storage device to the USB port as shown below.



3. Plug the AC Cord and turn the power on.
4. Press the [MENU] button on the remote control unit.
5. Select “Setup” and press the [OK] button to display the setup menu.
6. Select “Update software” and press the [OK] button on the remote control unit.
7. Select “USB” and press the [OK] button on the remote control unit to enter the update mode.

   Update file selection screen appears as follows. (Files included in the USB storage device are displayed.)

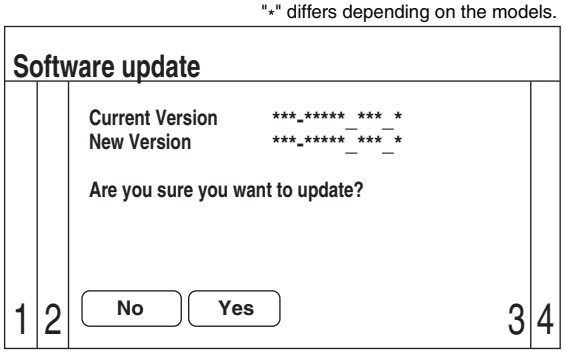
"⁎" differs depending on the models.



Note:
To cancel the update mode, select “Cancel” and press the [OK] button.

8. Select the file and press [OK] button.
9. The update will start and the following will appear in the screen.

"⁎" differs depending on the models.



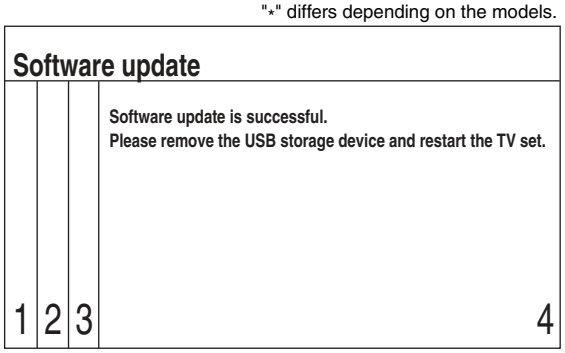
Note:
If the above screen isn’t displayed, repeat from step 1.

10. Select “Yes” and press the [OK] button to update.

    Note:
    Do not remove the USB storage device or turn the TV off while update is in progress.

11. When the firmware update is completed, the following will appear in the screen.

"⁎" differs depending on the models.

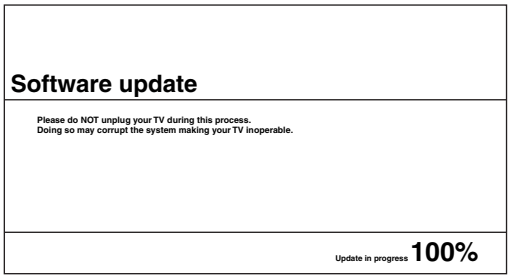


Remove the USB storage device from the USB port.
Turn the power off and turn the power on again.

12. Updating software is started, the following will appear in the screen.

[TYPE A, B, C, E]

[TYPE D, F]



The update will take about 10 minutes.

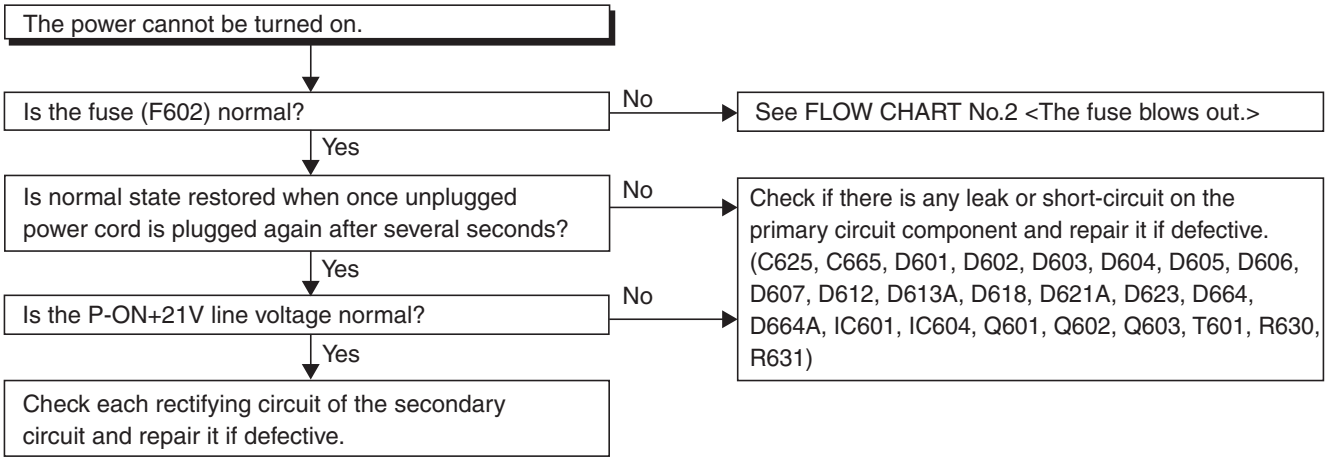
13. After finished the updating software, TV set will automatically reboot.

TROUBLESHOOTING

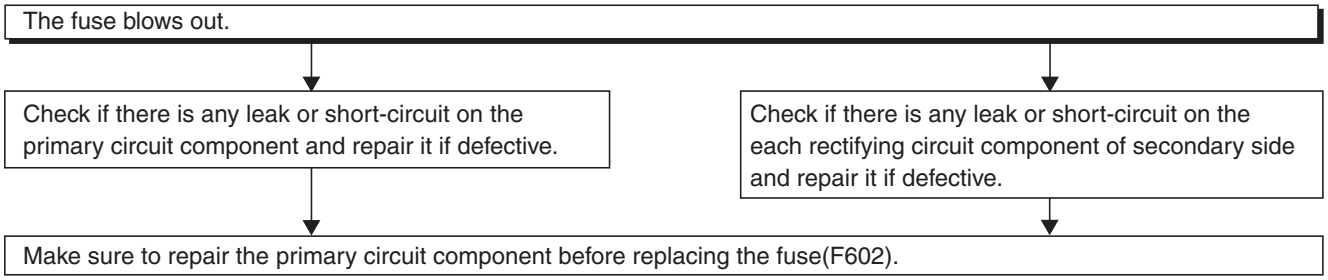
Note: This Troubleshooting section covers the entire PL15.16 chassis models. Thus some Reference number of parts shown below may not be used depending on the model. Please refer to the parts list for each model.

[Power Supply Section]

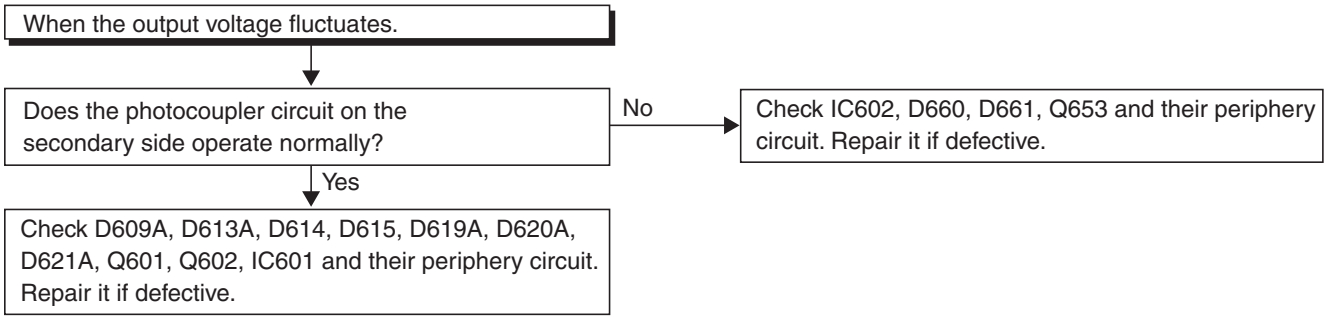
FLOW CHART NO.1



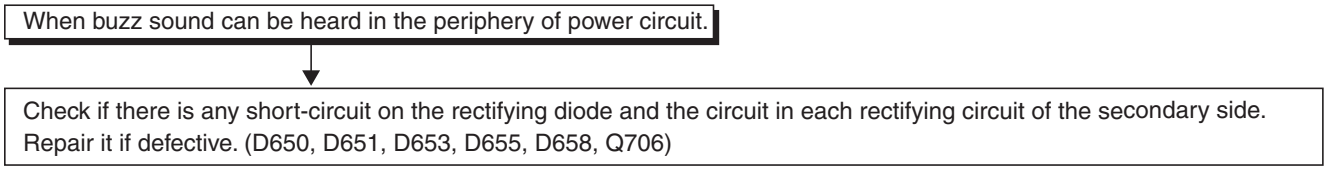
FLOW CHART NO.2



FLOW CHART NO.3



FLOW CHART NO.4



FLOW CHART NO.5

P-ON+21V is not output.

↓

Is approximately +21V voltage supplied to the cathode of D650(D651)?

No → Check C651, C652, D650, D651 and their periphery circuit. Repair it if defective.

↓ Yes

Check if there is any leak or short-circuit on the load circuit. Repair it if defective.

FLOW CHART NO.6

AMP+13V is not output.

↓

Is approximately +13V voltage supplied to the cathode of D655(D653)?

No → Check C654, C655, C657, C731, C732, D653, D654, D655, D658 and their periphery circuit. Repair it if defective.

↓ Yes

Check if there is any leak or short-circuit on the load circuit. Repair it if defective.

FLOW CHART NO.7 [TYPE A, B, D, F]

LCD+12V is not output. (AMP+13V is output normally.)

↓

Is approximately +21V voltage supplied to the emitter of Q707?

No → Check C651, C652, D650, D651 and their periphery circuit. Repair it if defective.

↓ Yes

Is approximately +13V~+14V voltage supplied to the gate of Q706?

No → Check D751, Q707, Q708, LCD-P-ON line and their periphery circuit. Repair it if defective.

↓ Yes

Replace Q706.

[Video Signal Section]

FLOW CHART NO.1

The key operation is not functioning.

↓

When pressing each buttons, does the Pin(2) voltage of CN4001 decrease?

No → Replace the Function CBA Unit.

↓ Yes

Replace the Digital Main CBA Unit.

FLOW CHART NO.2

No operation is possible from the remote control unit. (Operation is possible from the unit.)

↓

Is approximately +3.3V voltage supplied to Pin(1) of CN4052?

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

↓ Yes

Is the "L" pulse supplied to Pin(5) of CN4052 when the infrared remote control activated?

No → Replace the IR Sensor CBA Unit.

↓ Yes

Replace the Digital Main CBA Unit.

FLOW CHART NO.3 [TYPE A, B, D, F]

Picture does not appear normally.

↓

Is approximately +21V voltage supplied to Pin(15, 16, 17, 18) of CN651?

No → See FLOW CHART NO.5 <P-ON+21V is not output. [Power Supply Section]>

↓ Yes

Is approximately +12V voltage supplied to Pin(4, 5, 6) of CN652?

No → See FLOW CHART NO.7 <LCD+12V is not output. (AMP+13V is output normally.) [Power Supply Section]>

↓ Yes

Digital Main CBA Unit or LCD Panel Assembly may be defective.
Check and replace these parts.

FLOW CHART NO.3 [TYPE C, E]

Picture does not appear normally.

↓

Is approximately +21V voltage supplied to Pin(20, 21, 22, 23) of CN501?

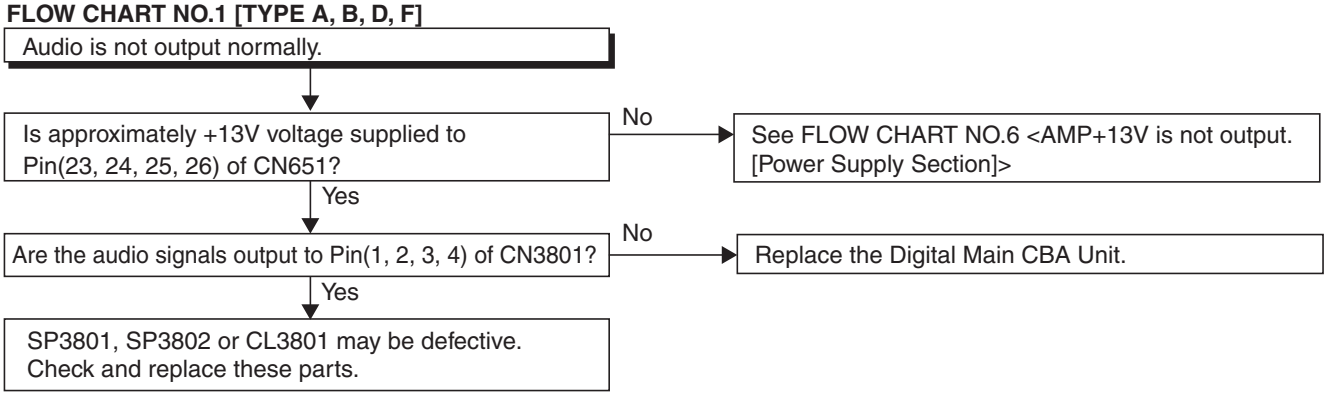
No → See FLOW CHART NO.5 <P-ON+21V is not output. [Power Supply Section]>

↓ Yes

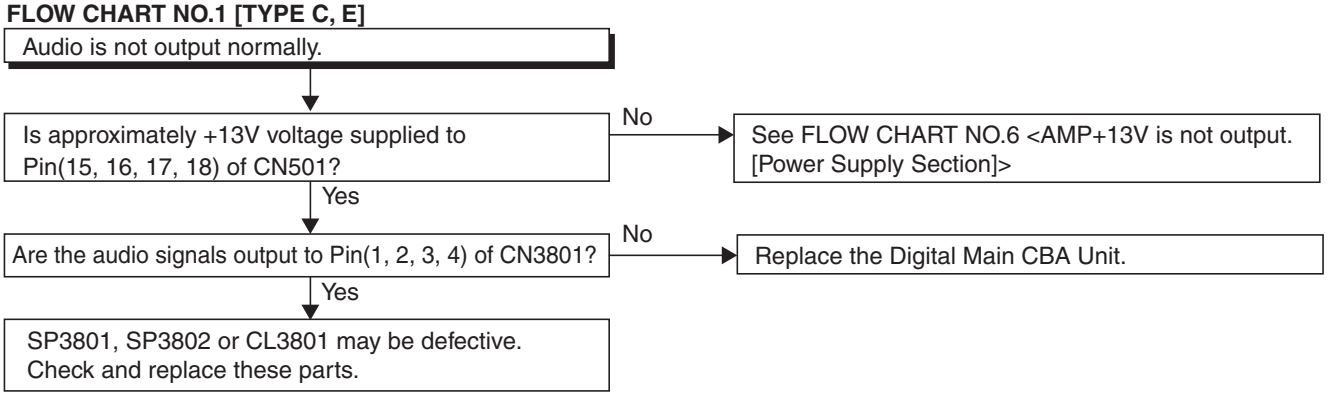
Digital Main CBA Unit or LCD Panel Assembly may be defective.
Check and replace these parts.

[Audio Signal Section]

FLOW CHART NO.1 [TYPE A, B, D, F]



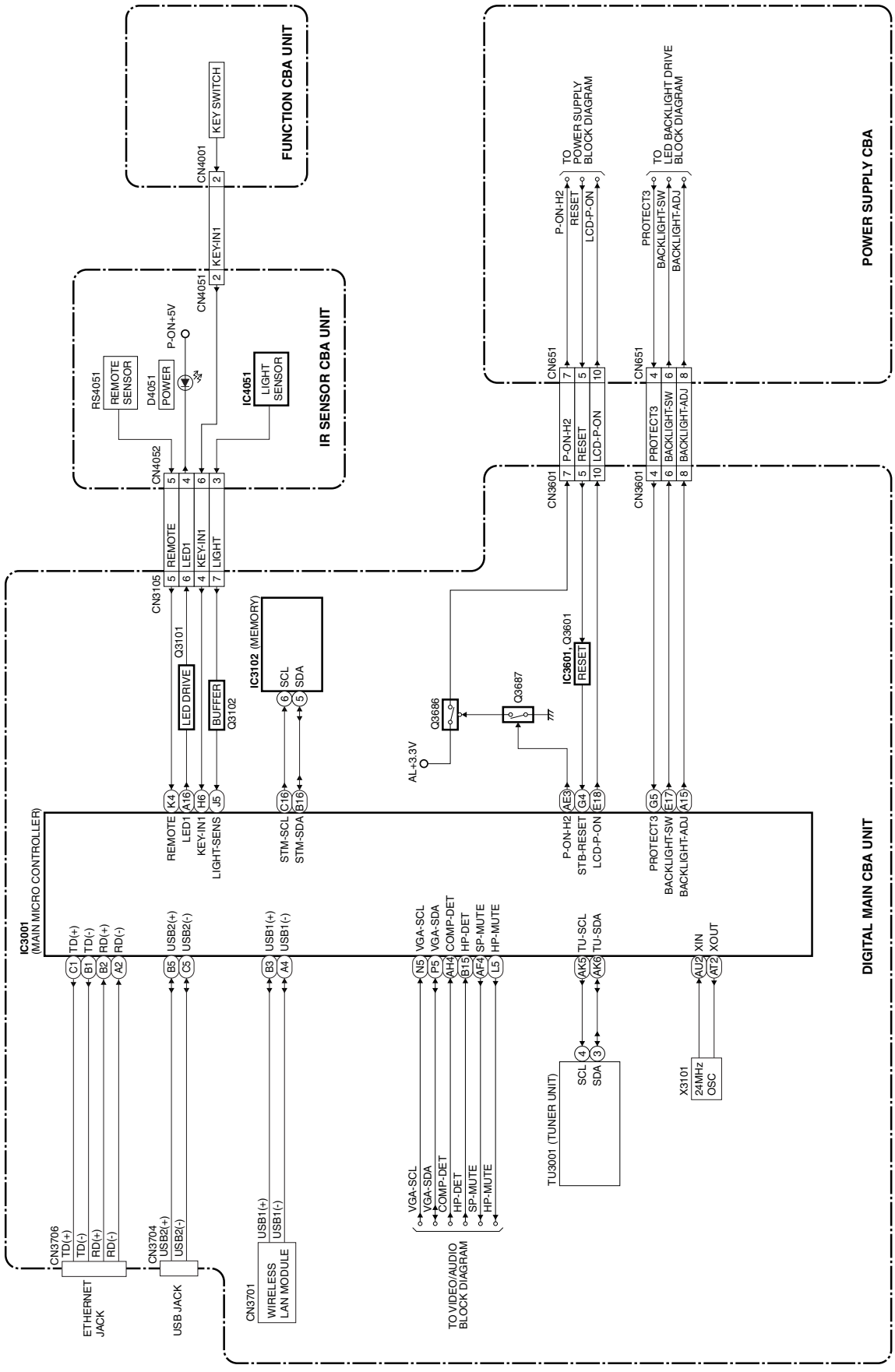
FLOW CHART NO.1 [TYPE C, E]



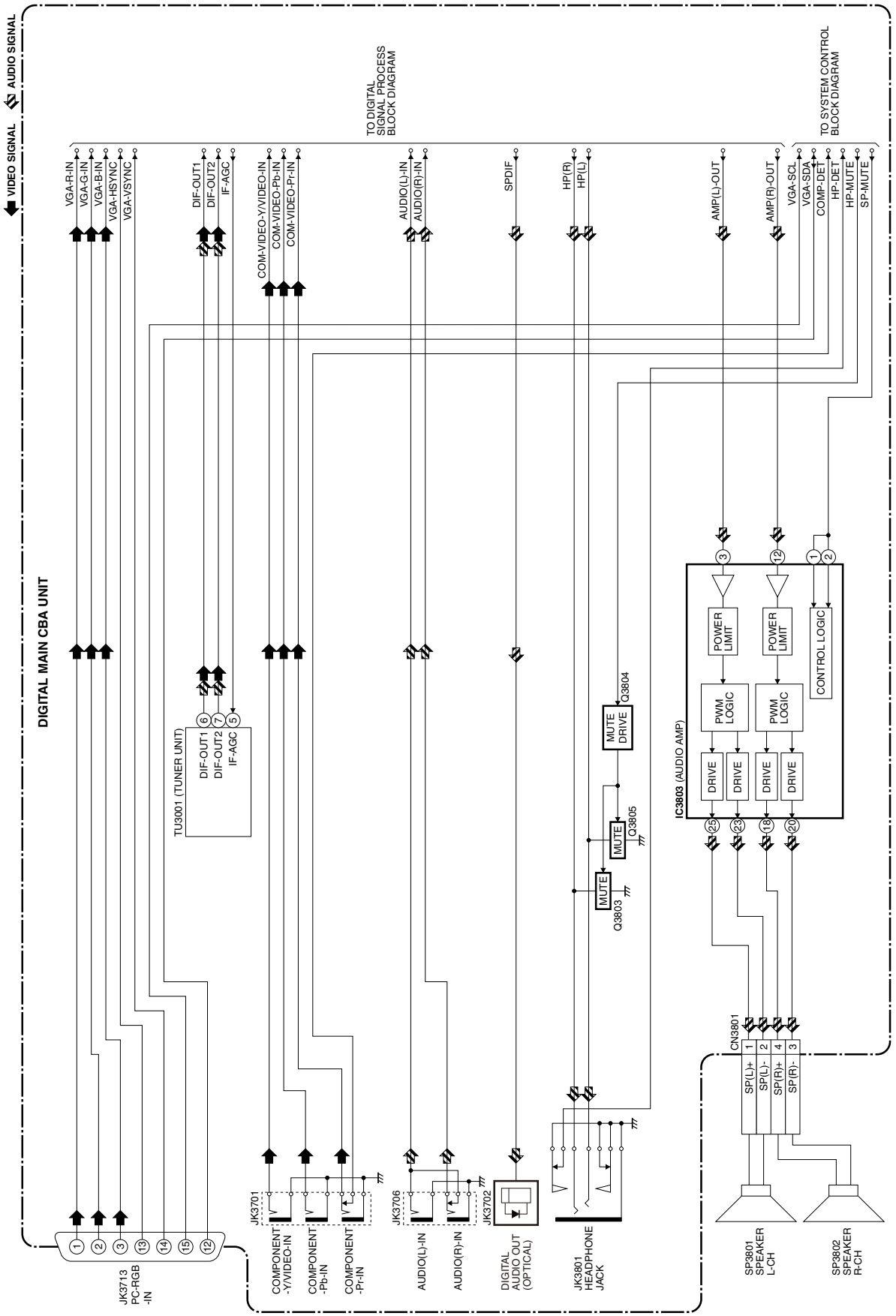
BLOCK DIAGRAMS

[TYPE A]

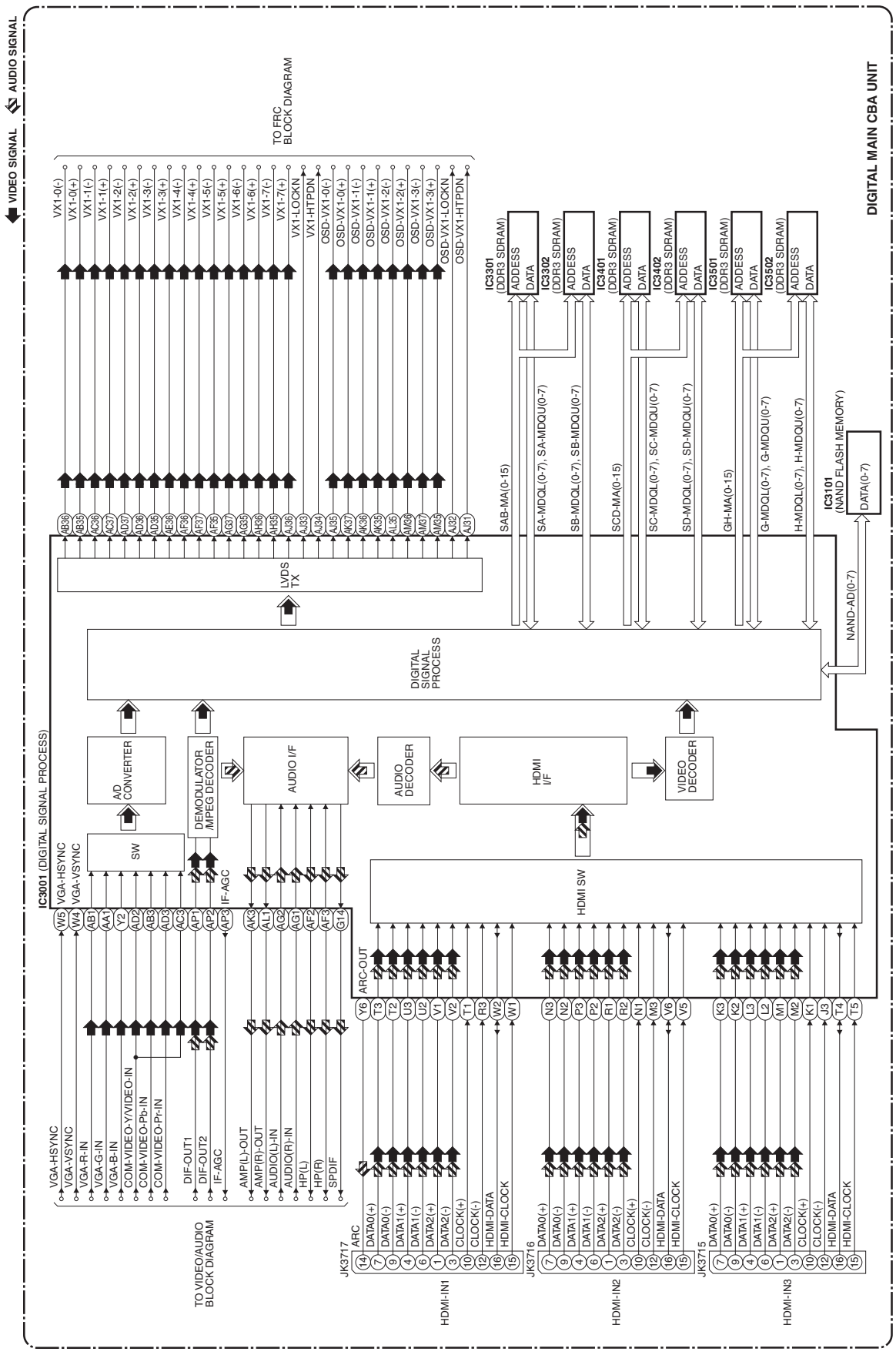
1. System Control Block Diagram



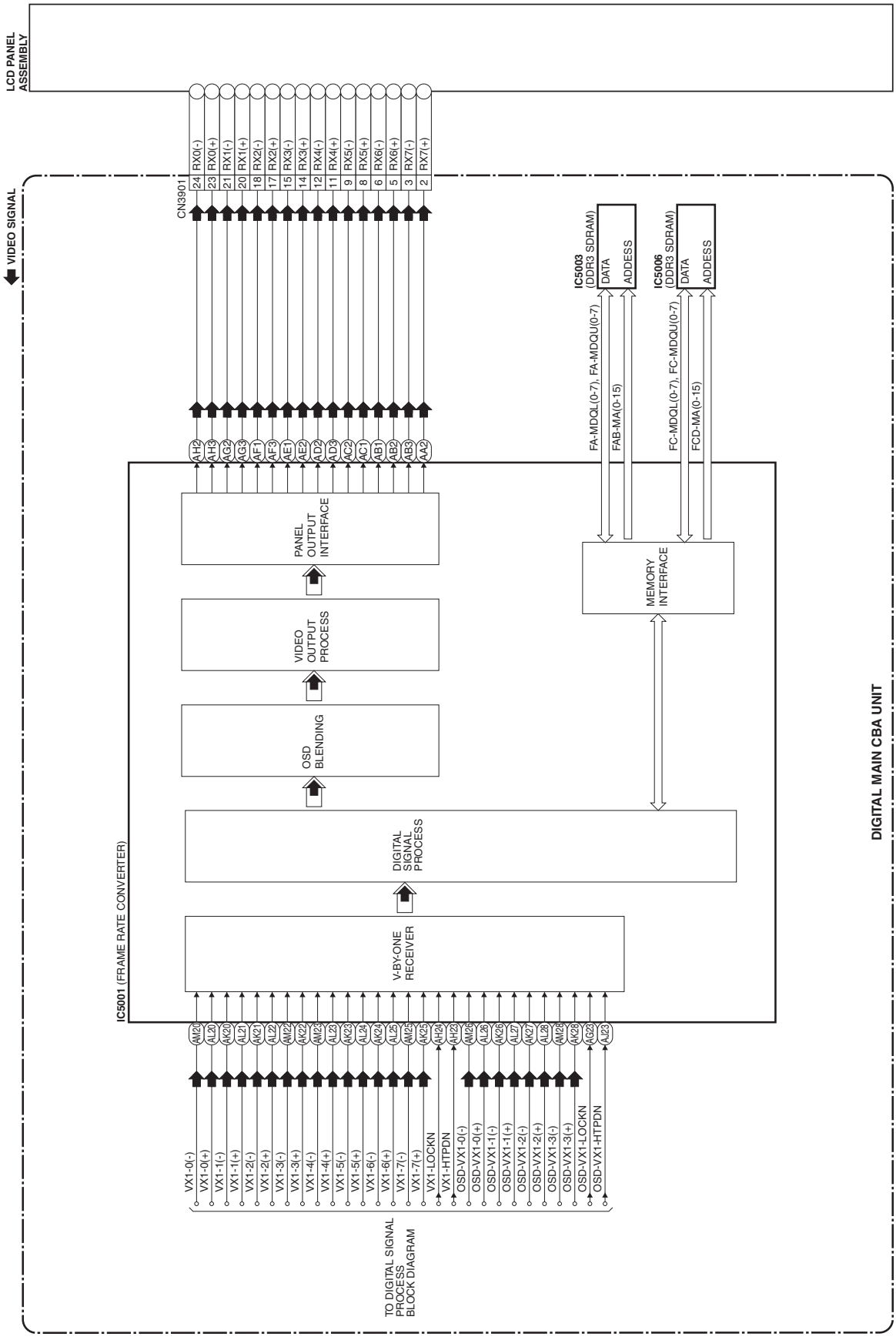
2. Video/Audio Block Diagram



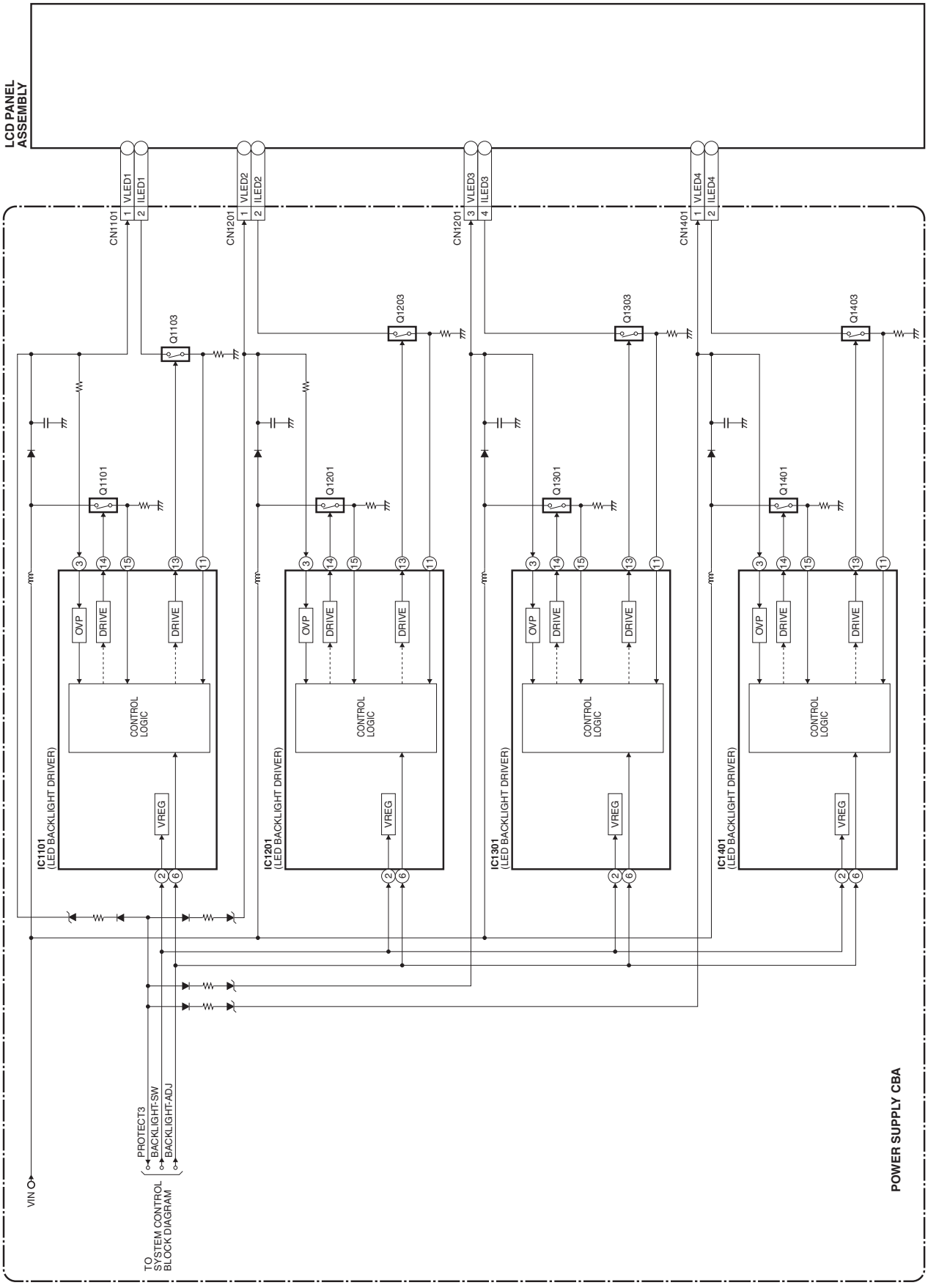
3. Digital Signal Process Block Diagram



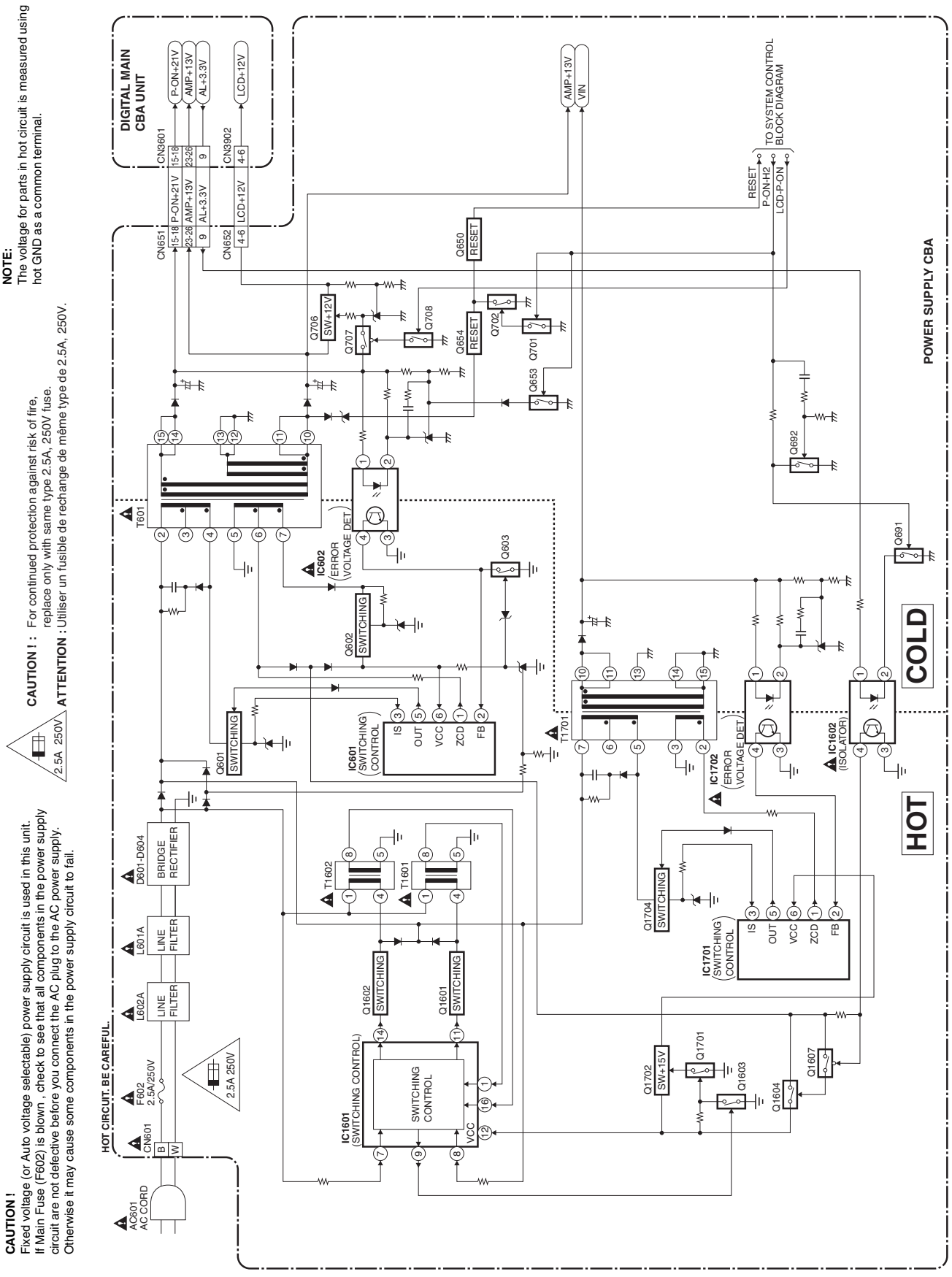
4. FRC Block Diagram



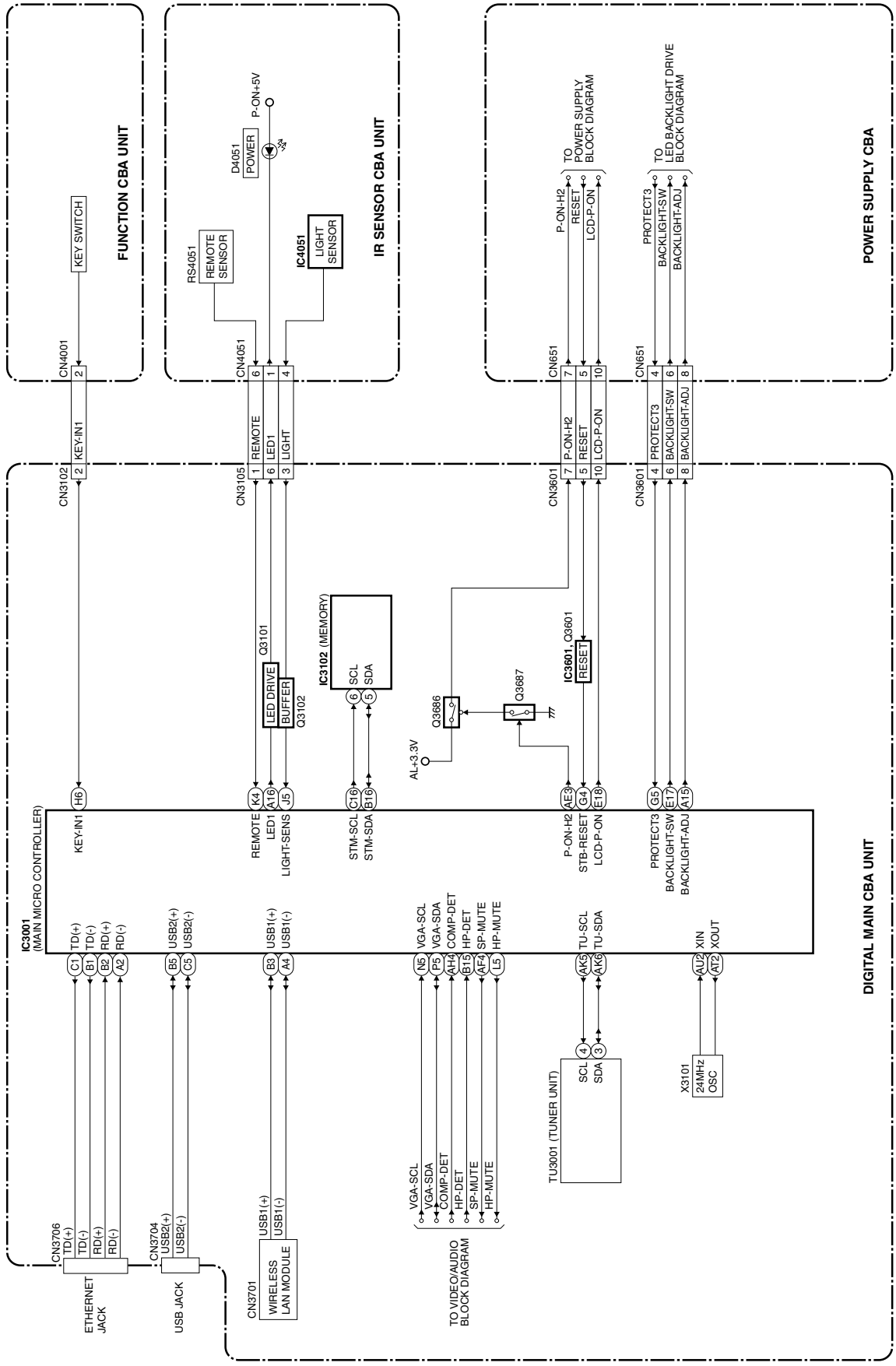
5. LED Backlight Drive Block Diagram



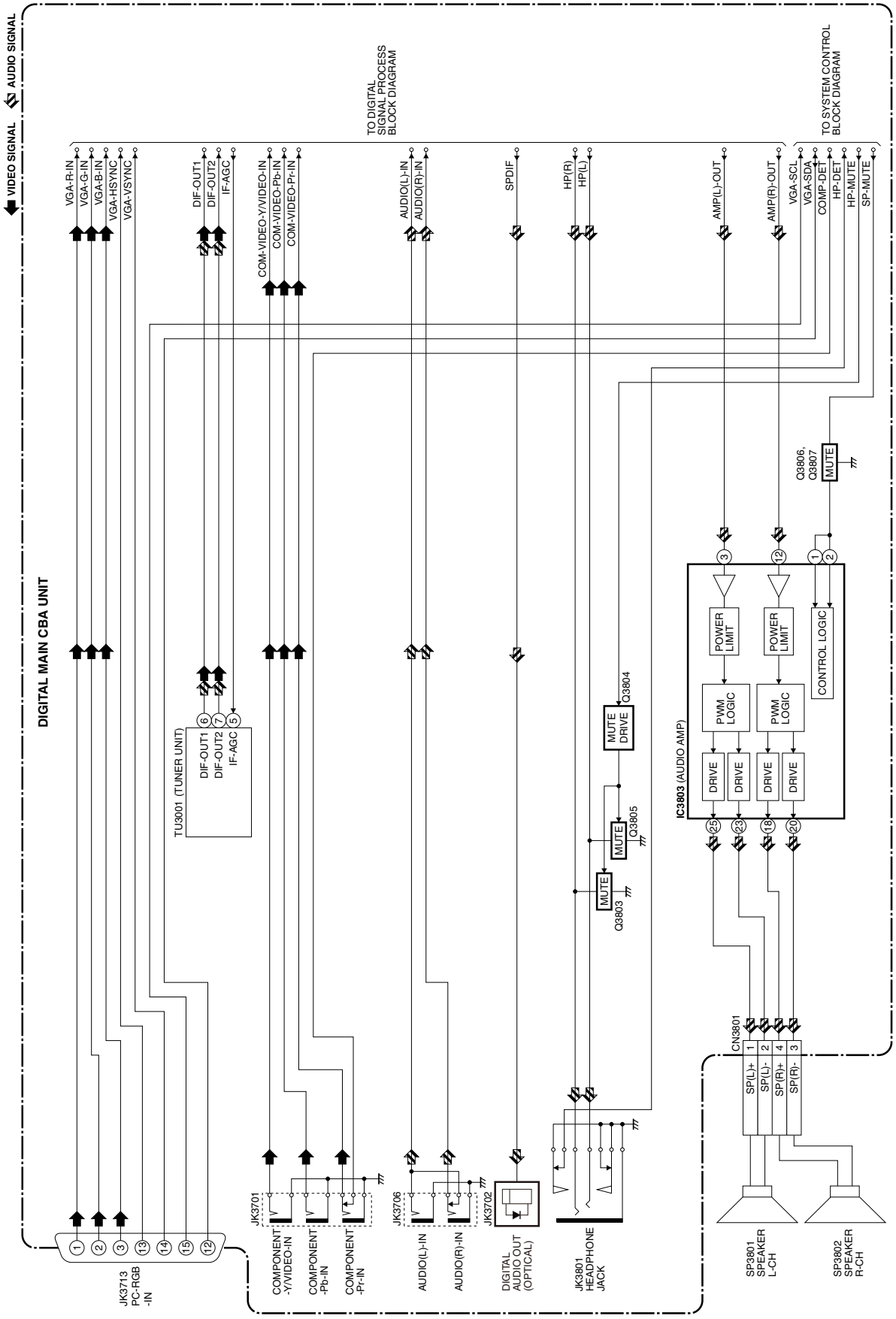
6. Power Supply Block Diagram



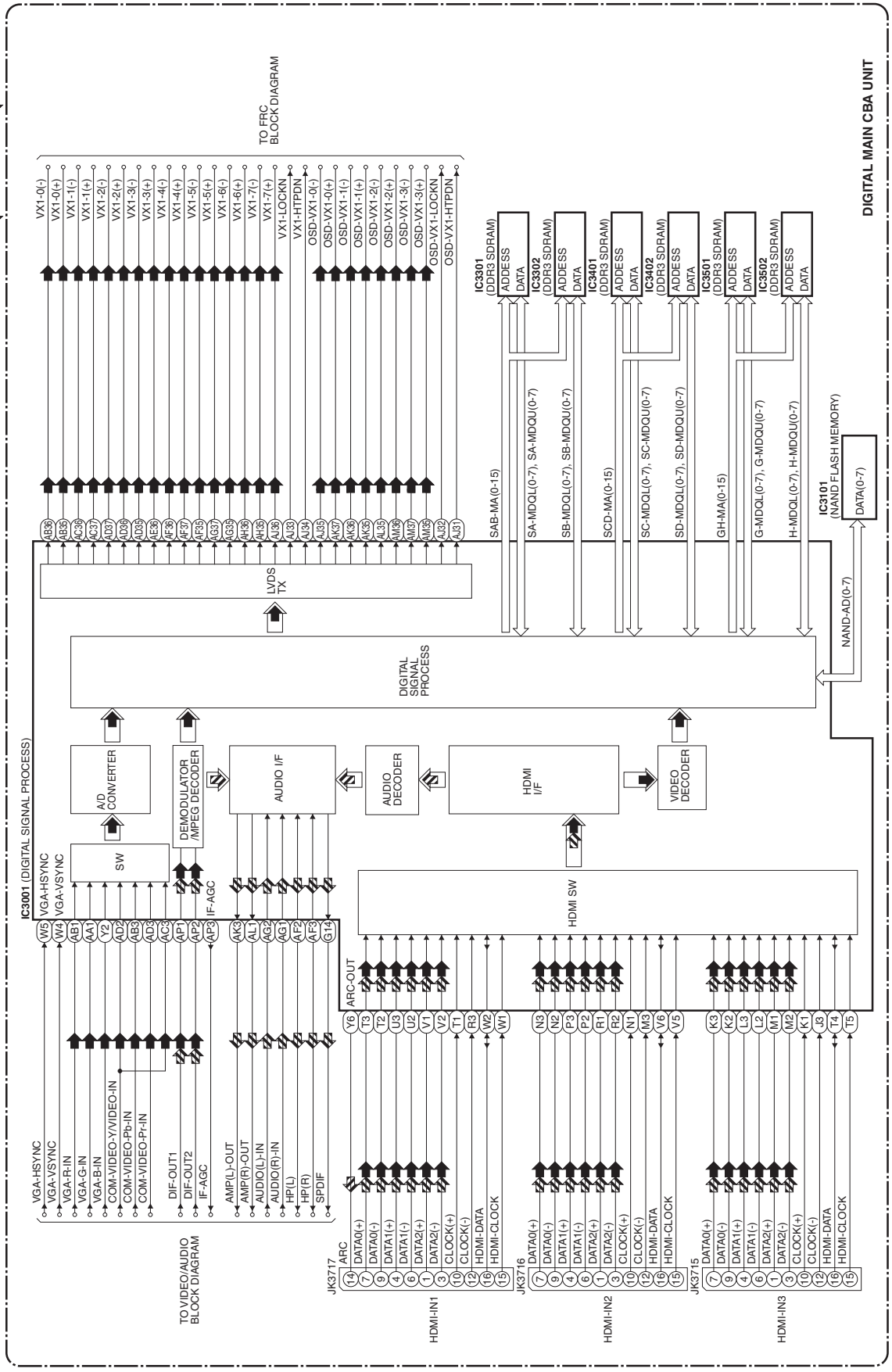
[TYPE B]
1. System Control Block Diagram



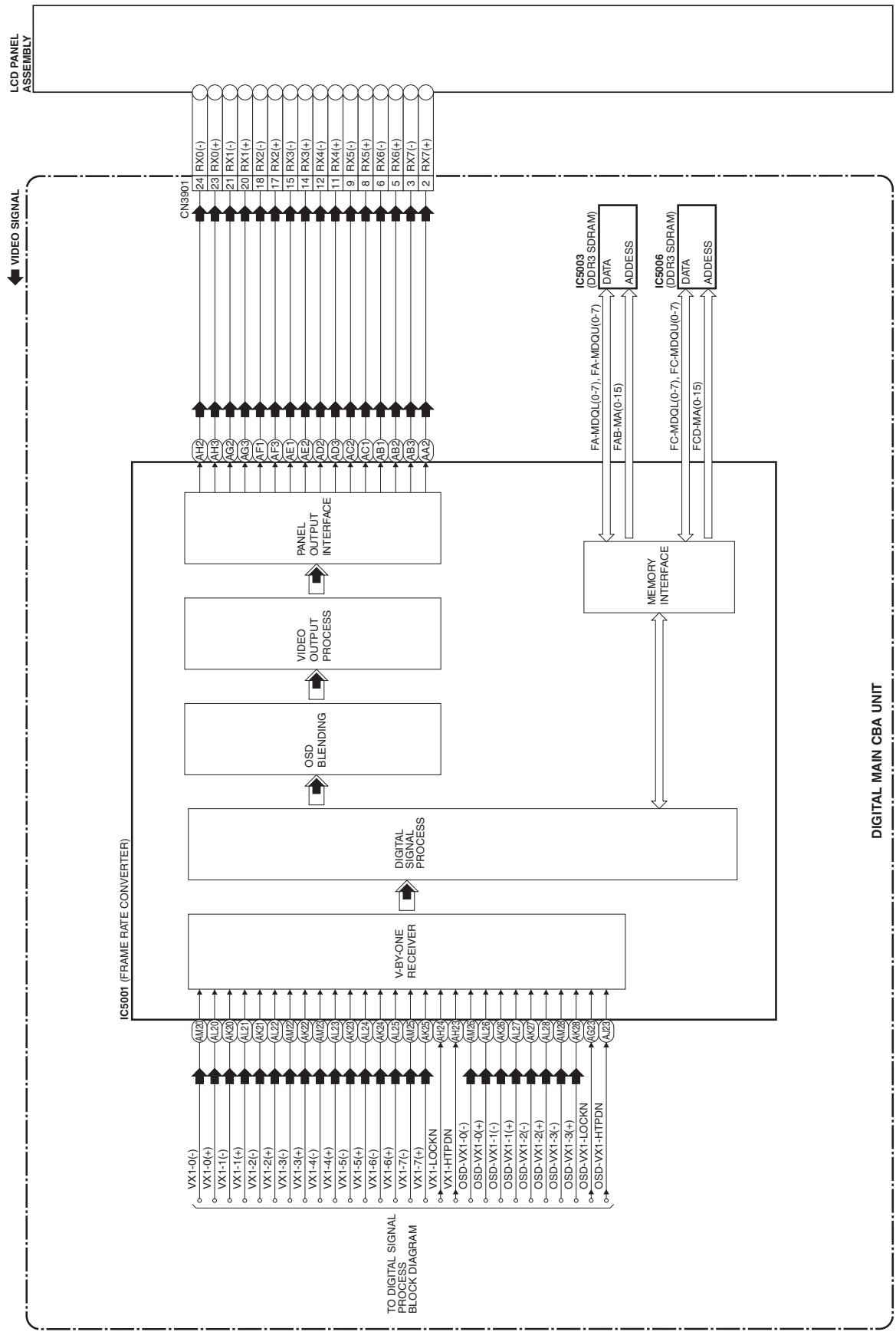
2. Video/Audio Block Diagram



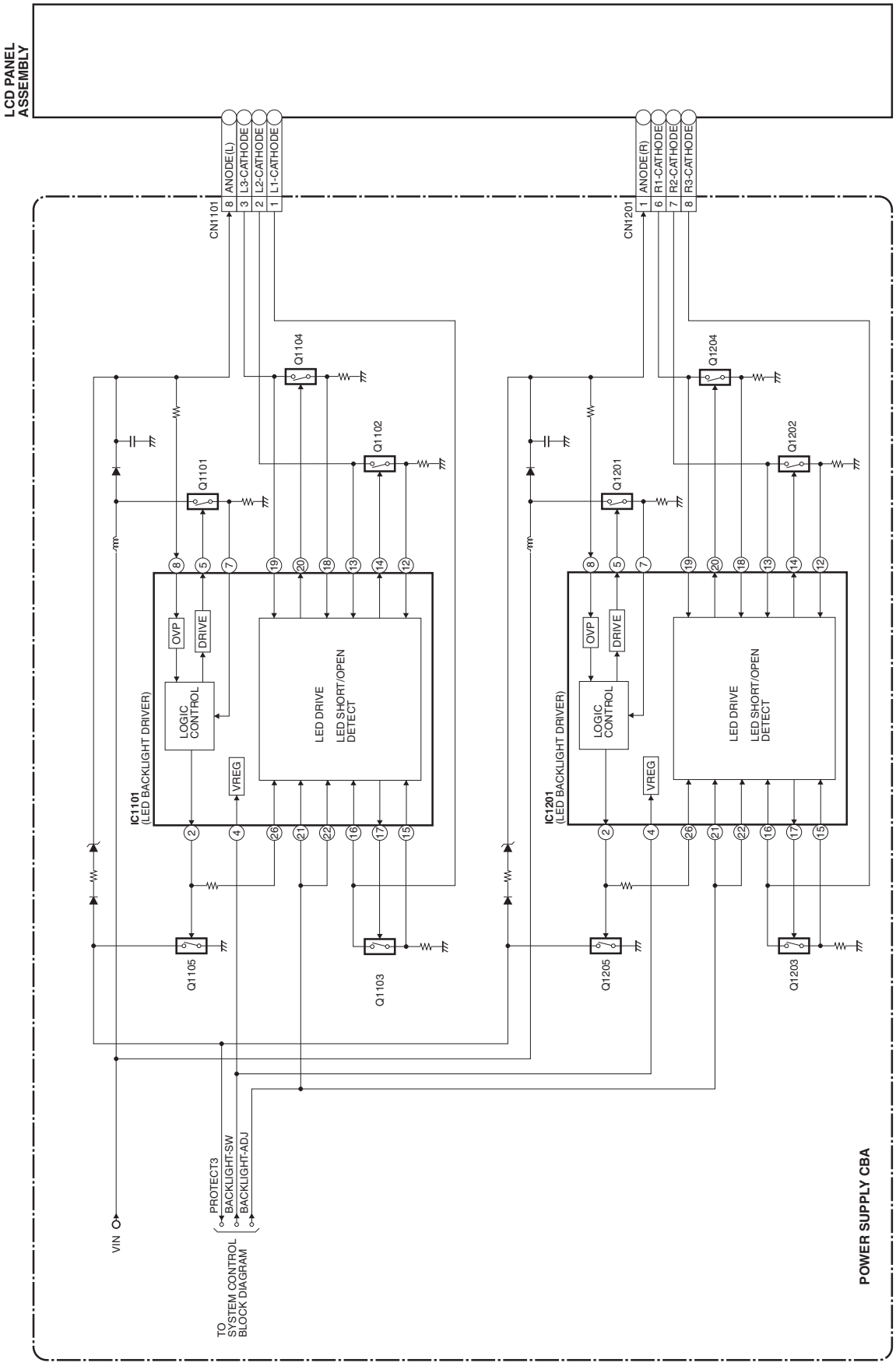
3. Digital Signal Process Block Diagram



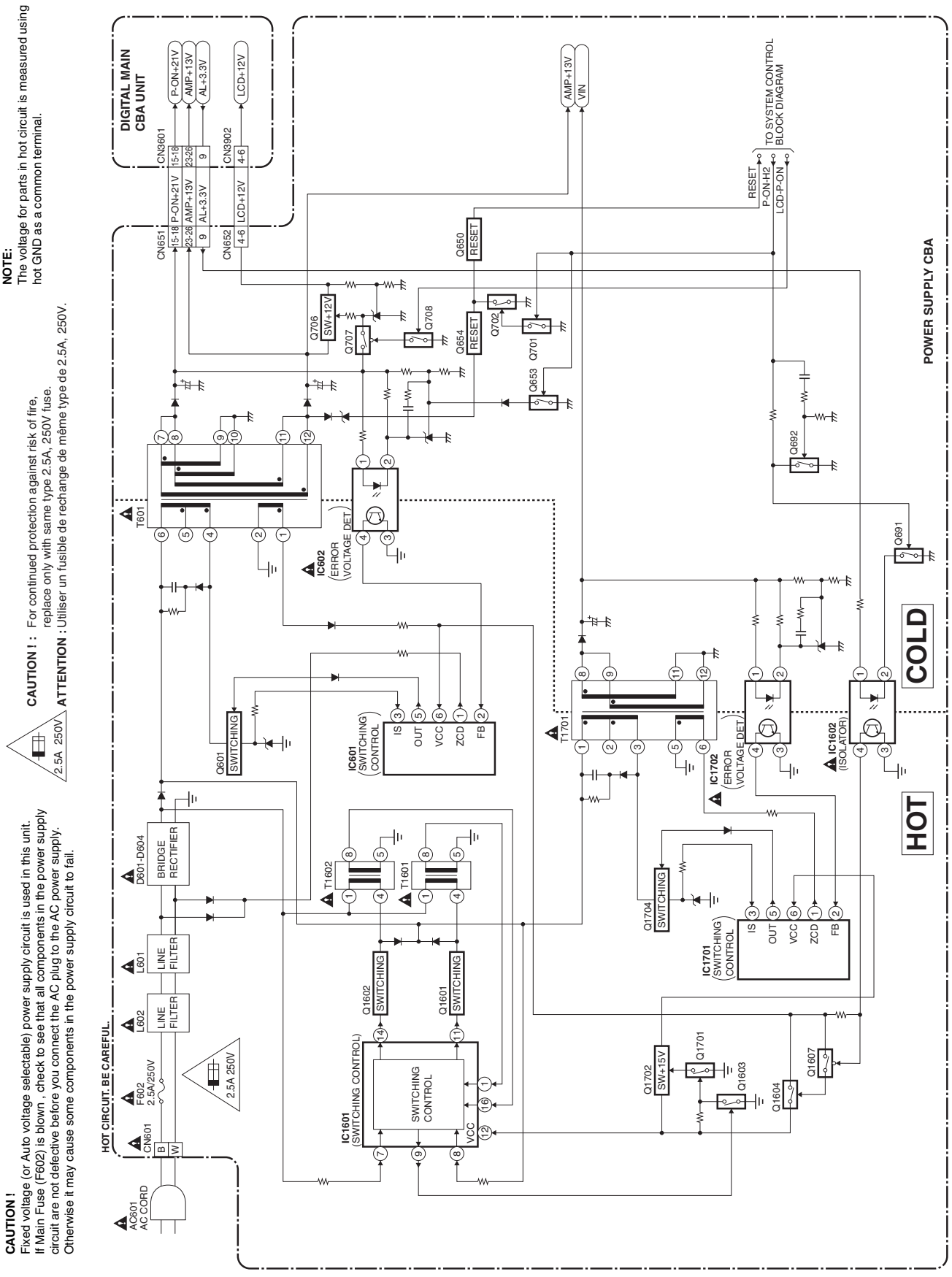
4. FRC Block Diagram



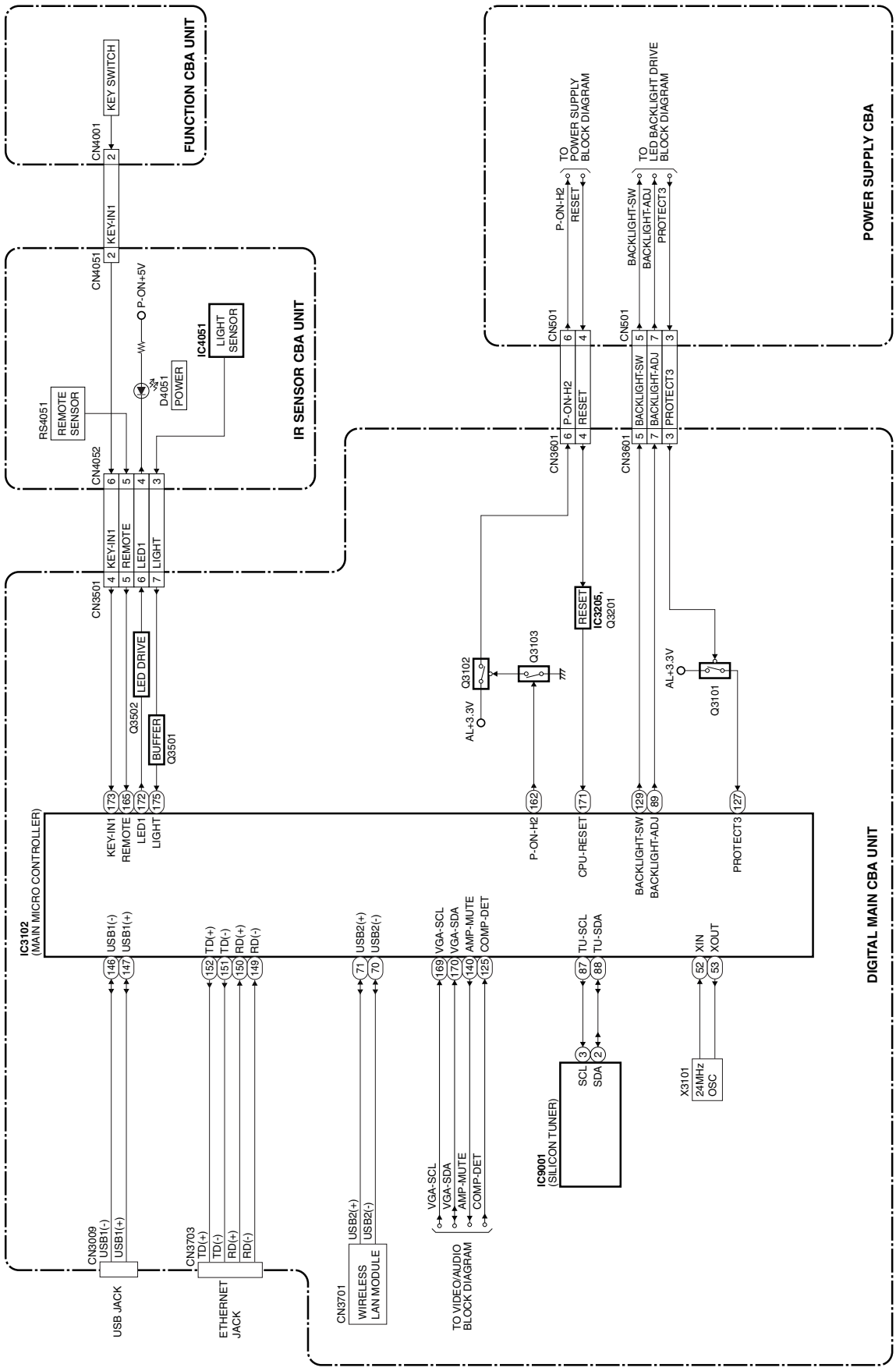
5. LED Backlight Drive Block Diagram



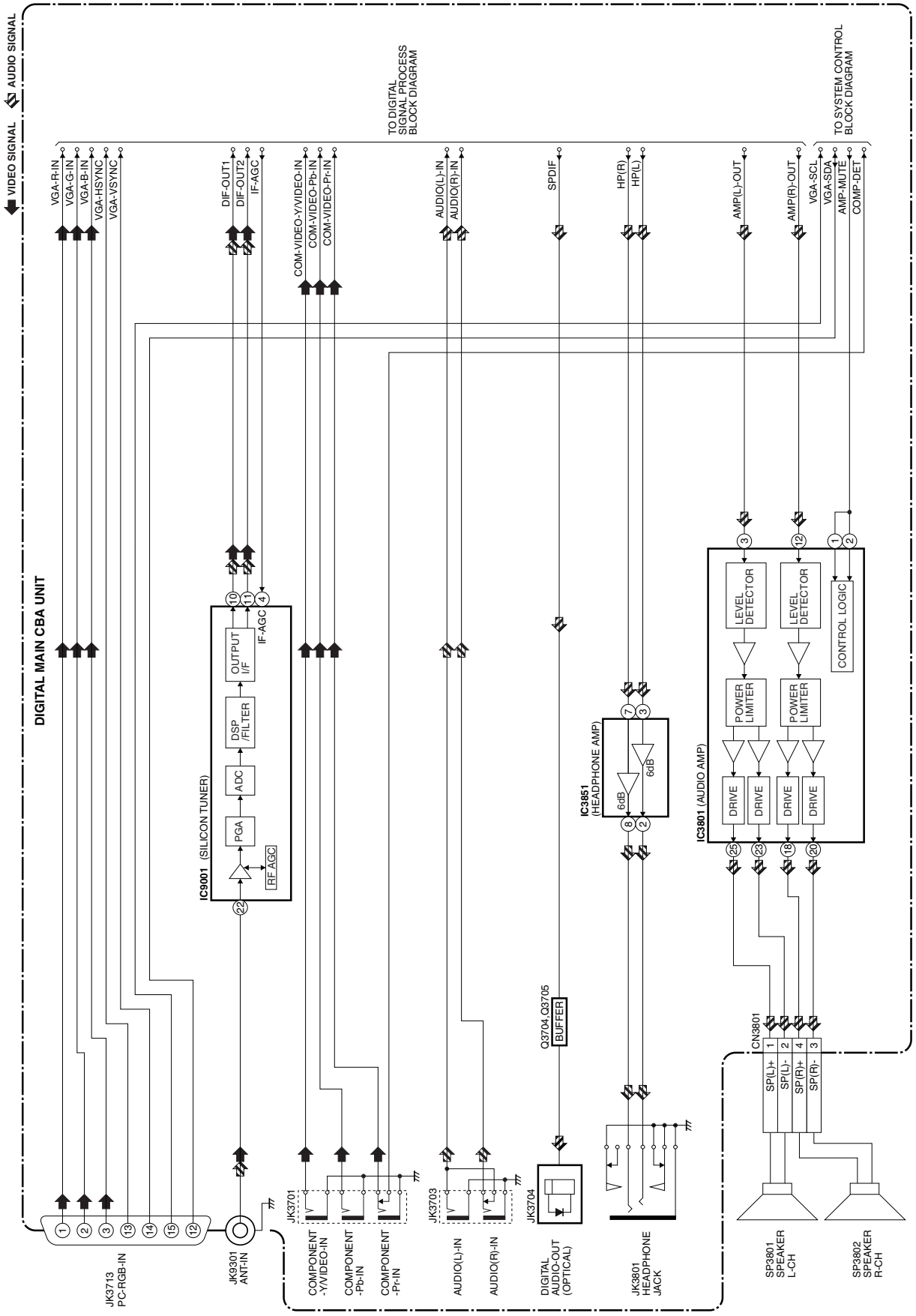
6. Power Supply Block Diagram



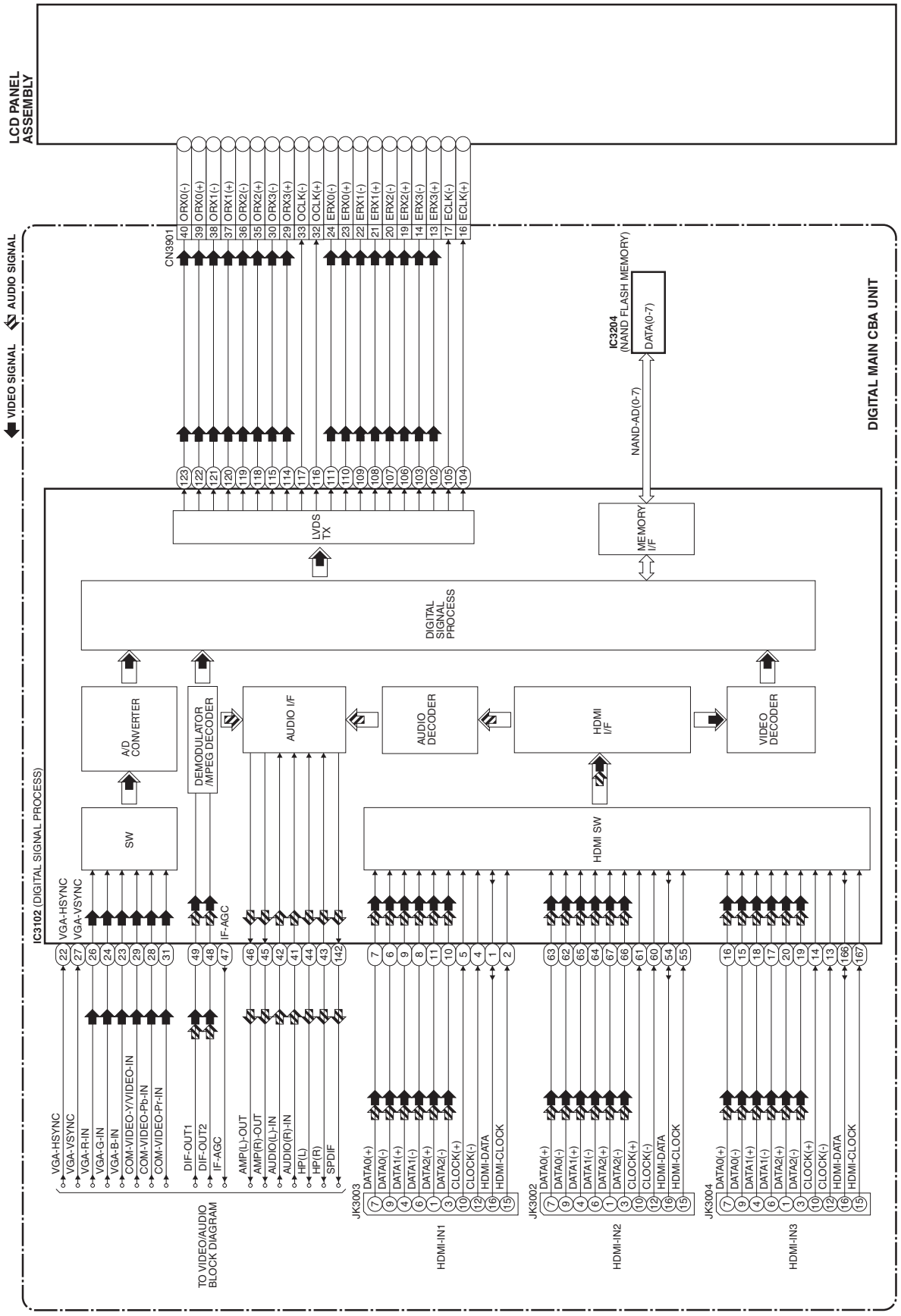
[TYPE C]
1. System Control Block Diagram



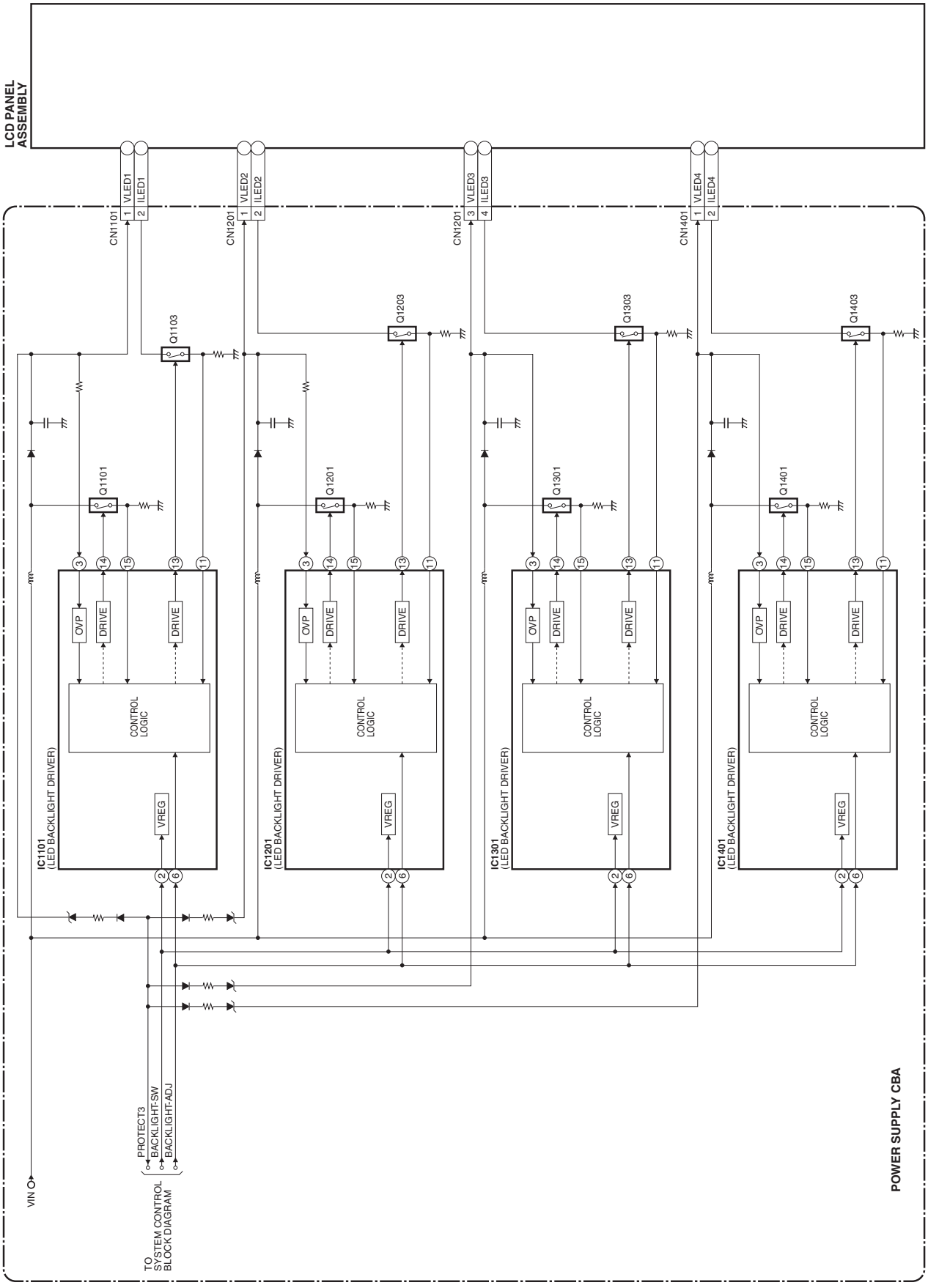
2. Video/Audio Block Diagram



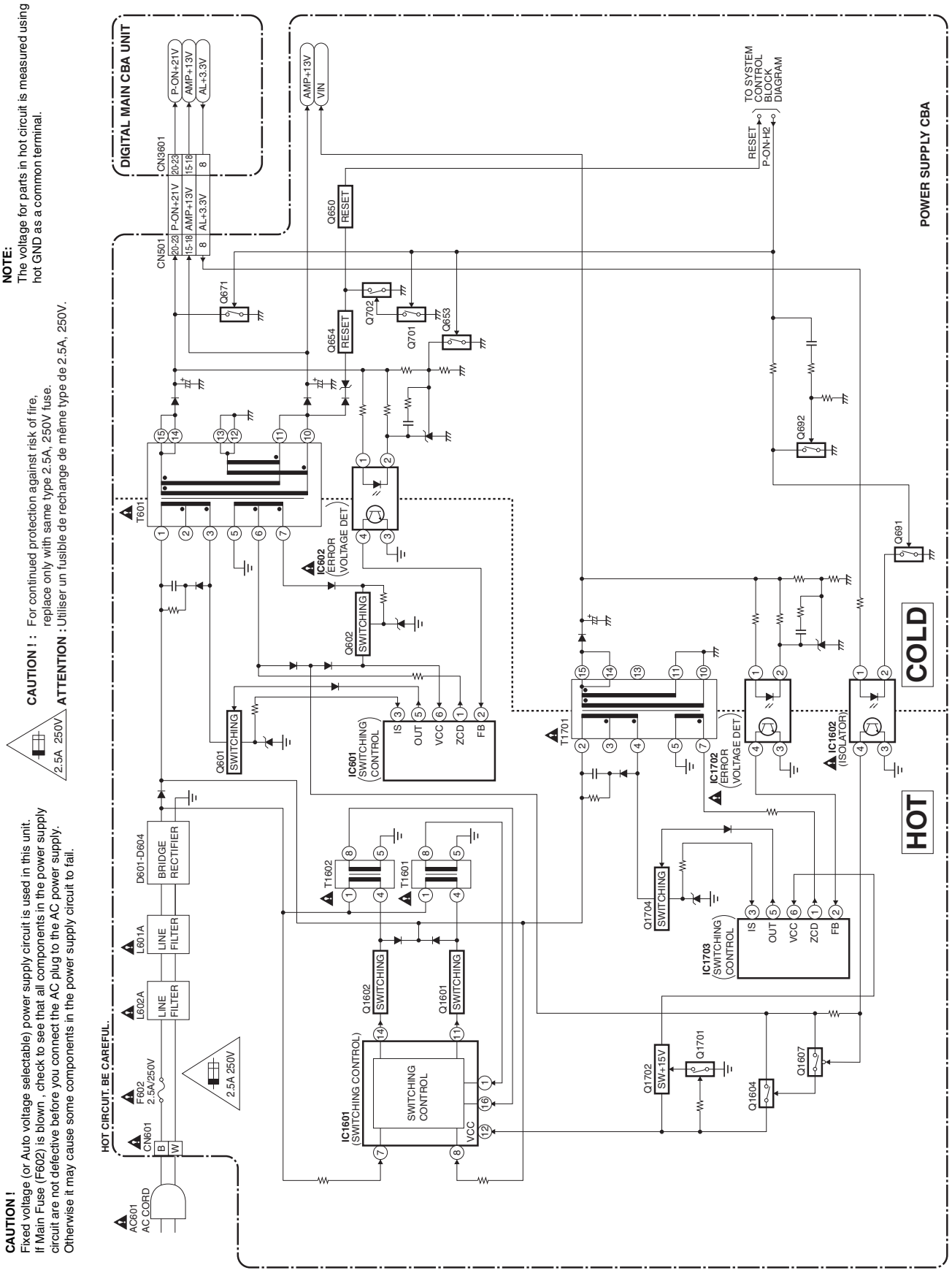
3. Digital Signal Process Block Diagram



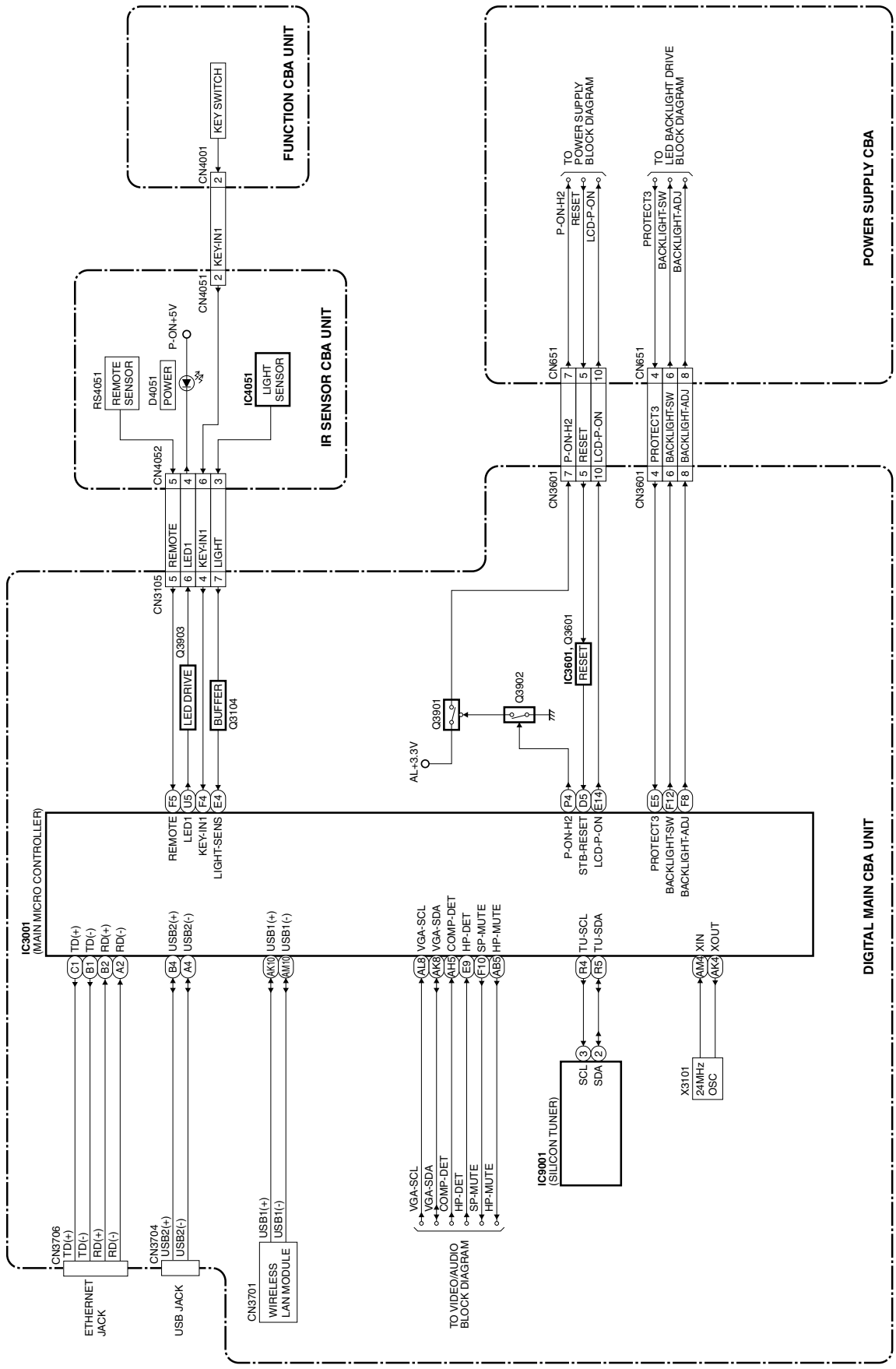
4. LED Backlight Drive Block Diagram



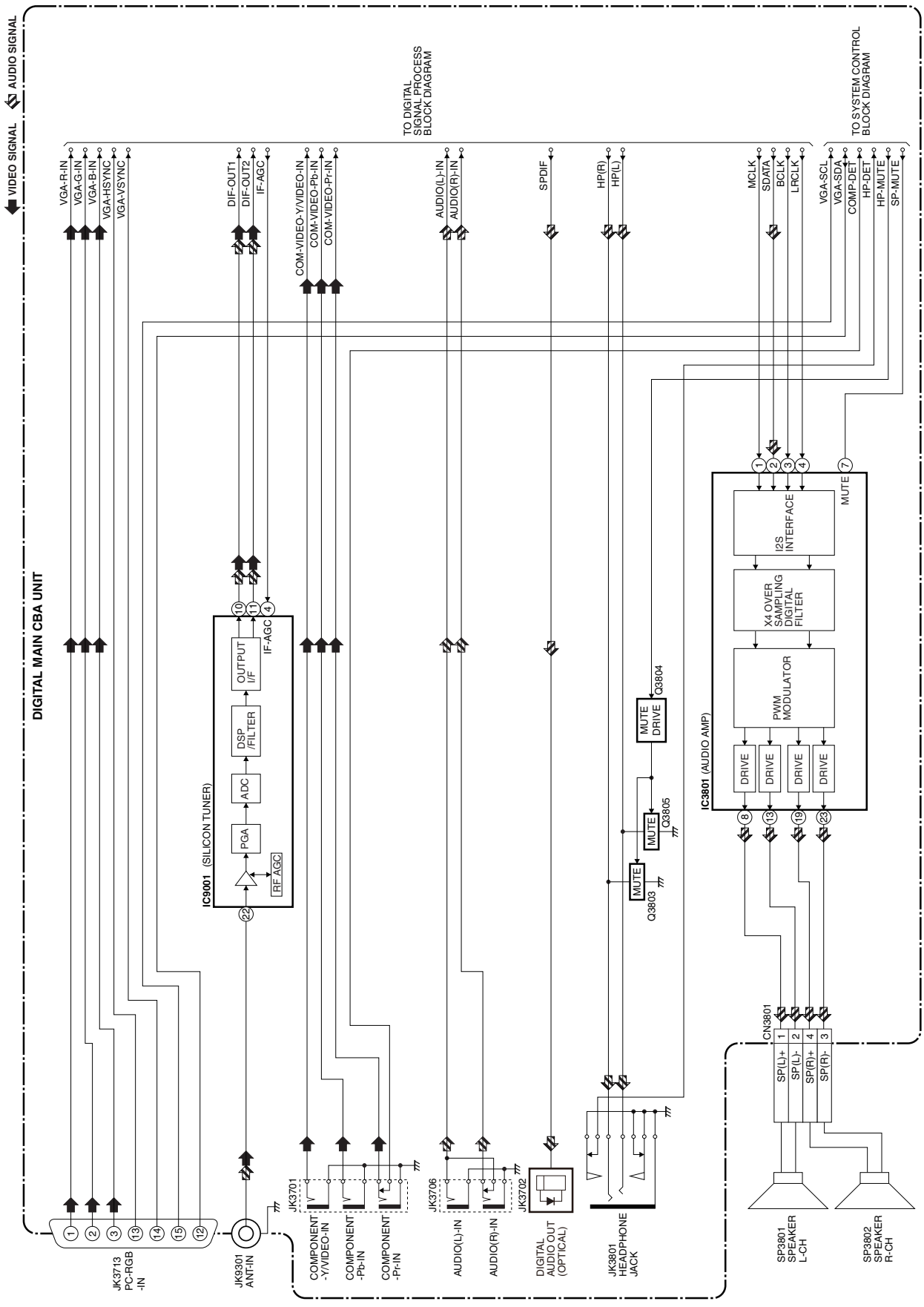
5. Power Supply Block Diagram



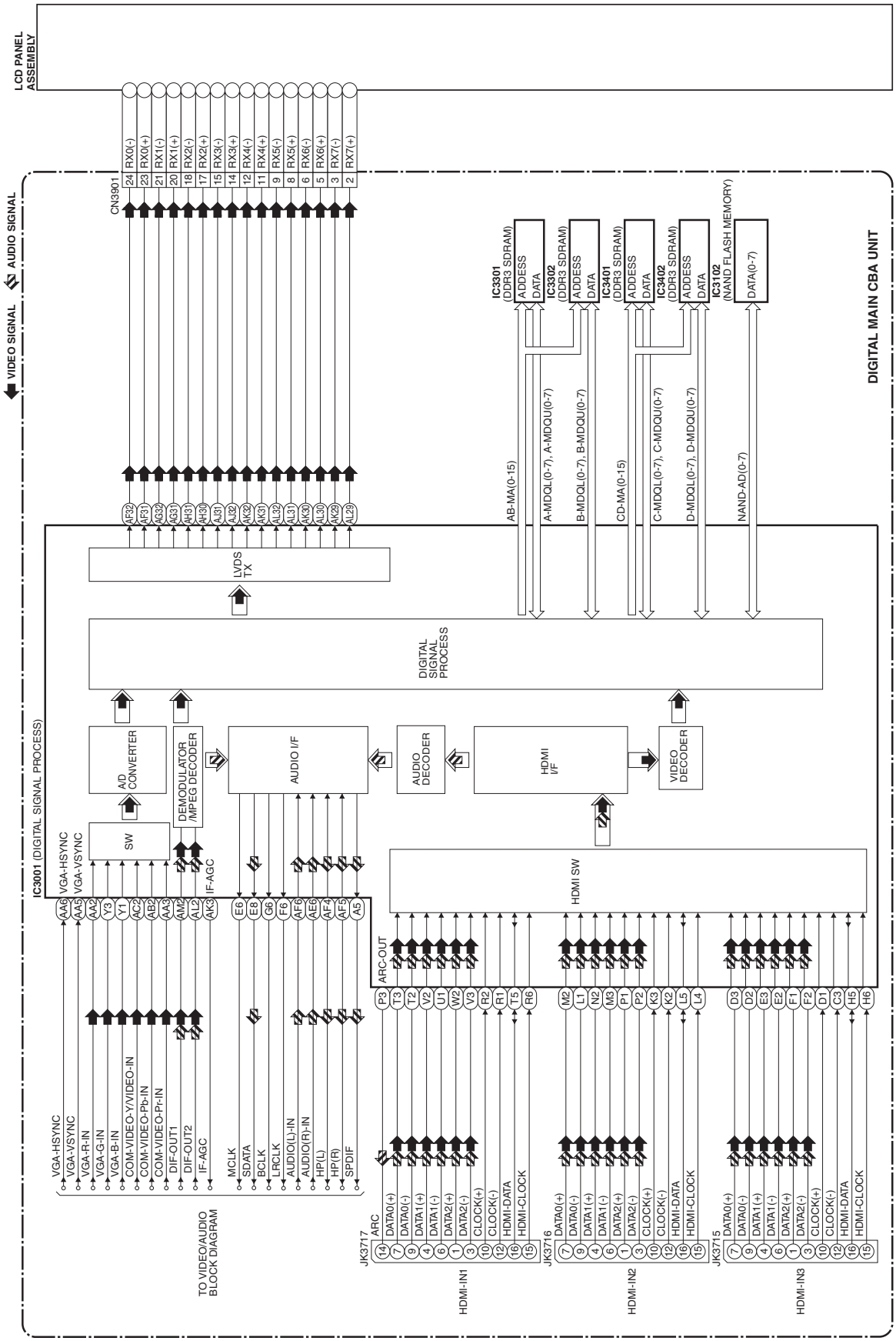
[TYPE D]
1. System Control Block Diagram



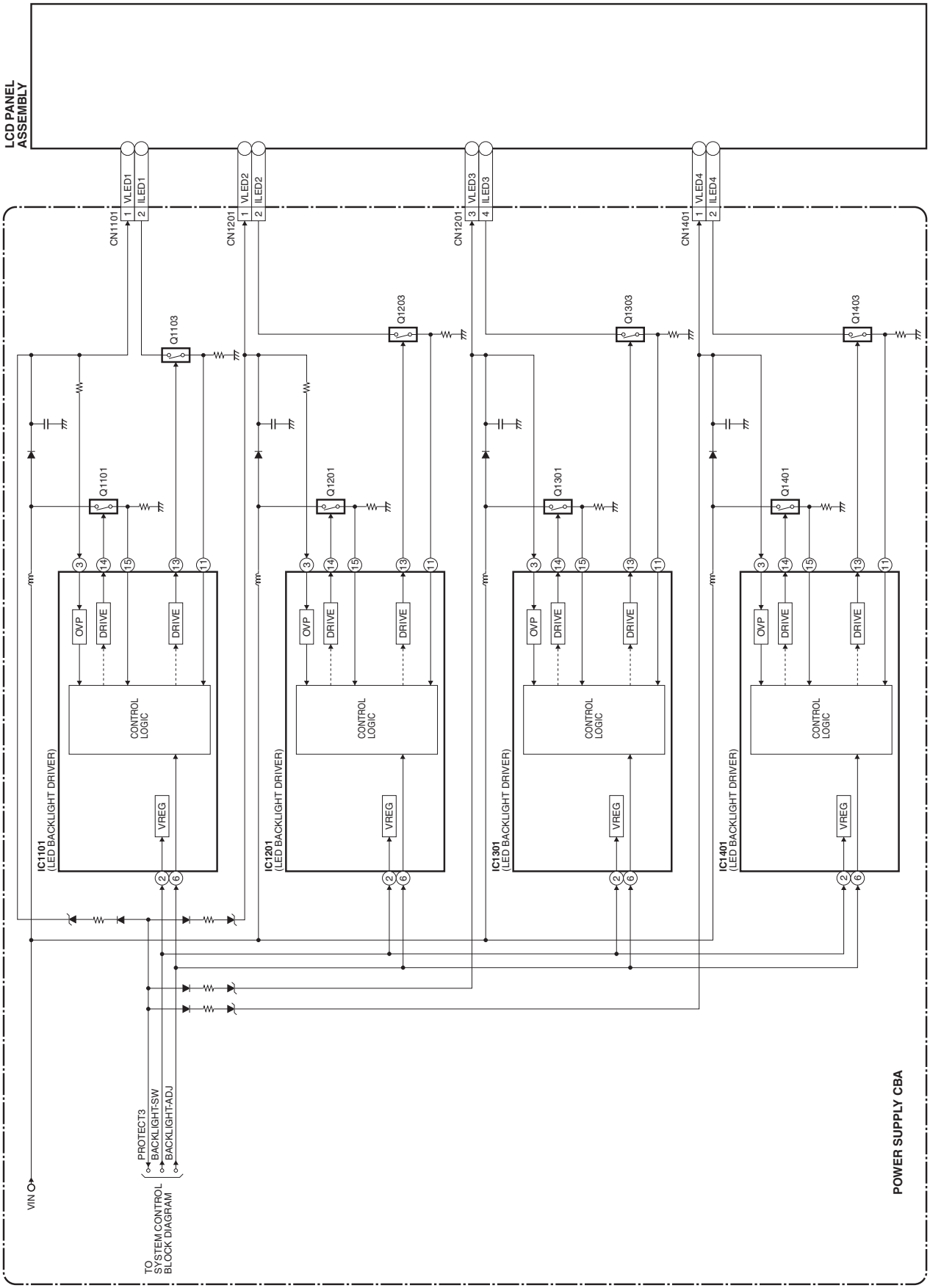
2. Video/Audio Block Diagram



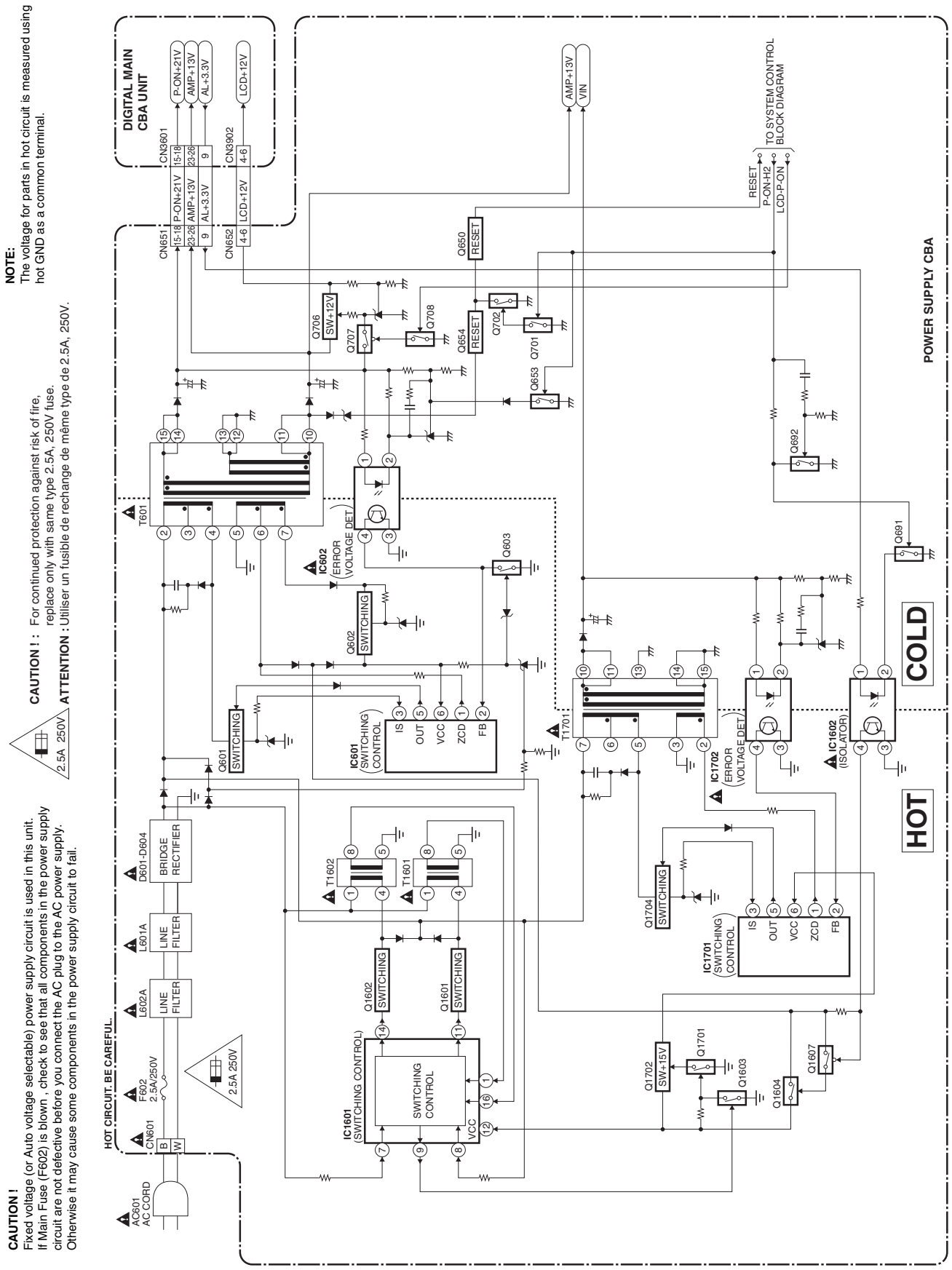
3. Digital Signal Process Block Diagram



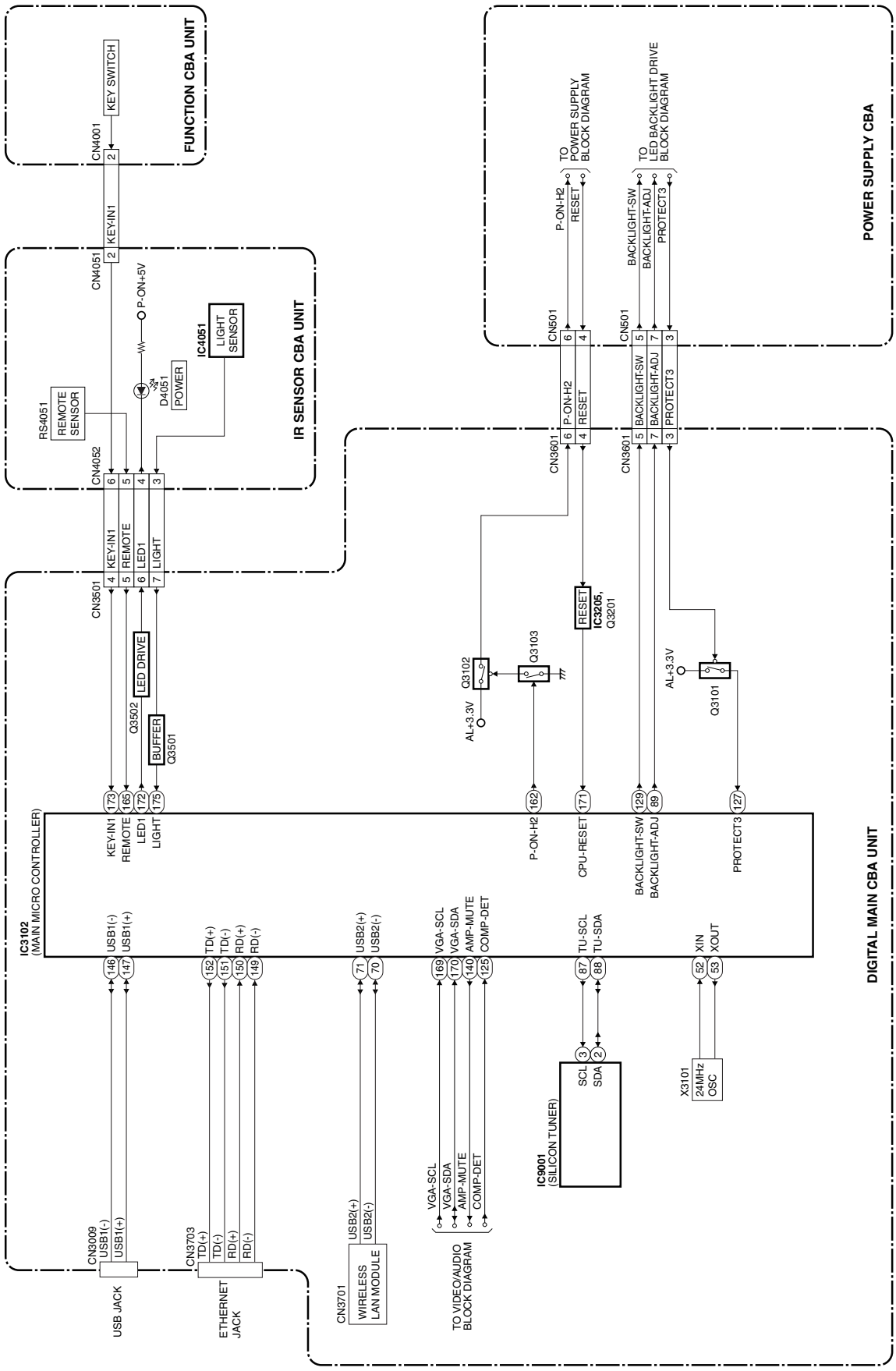
4. LED Backlight Drive Block Diagram



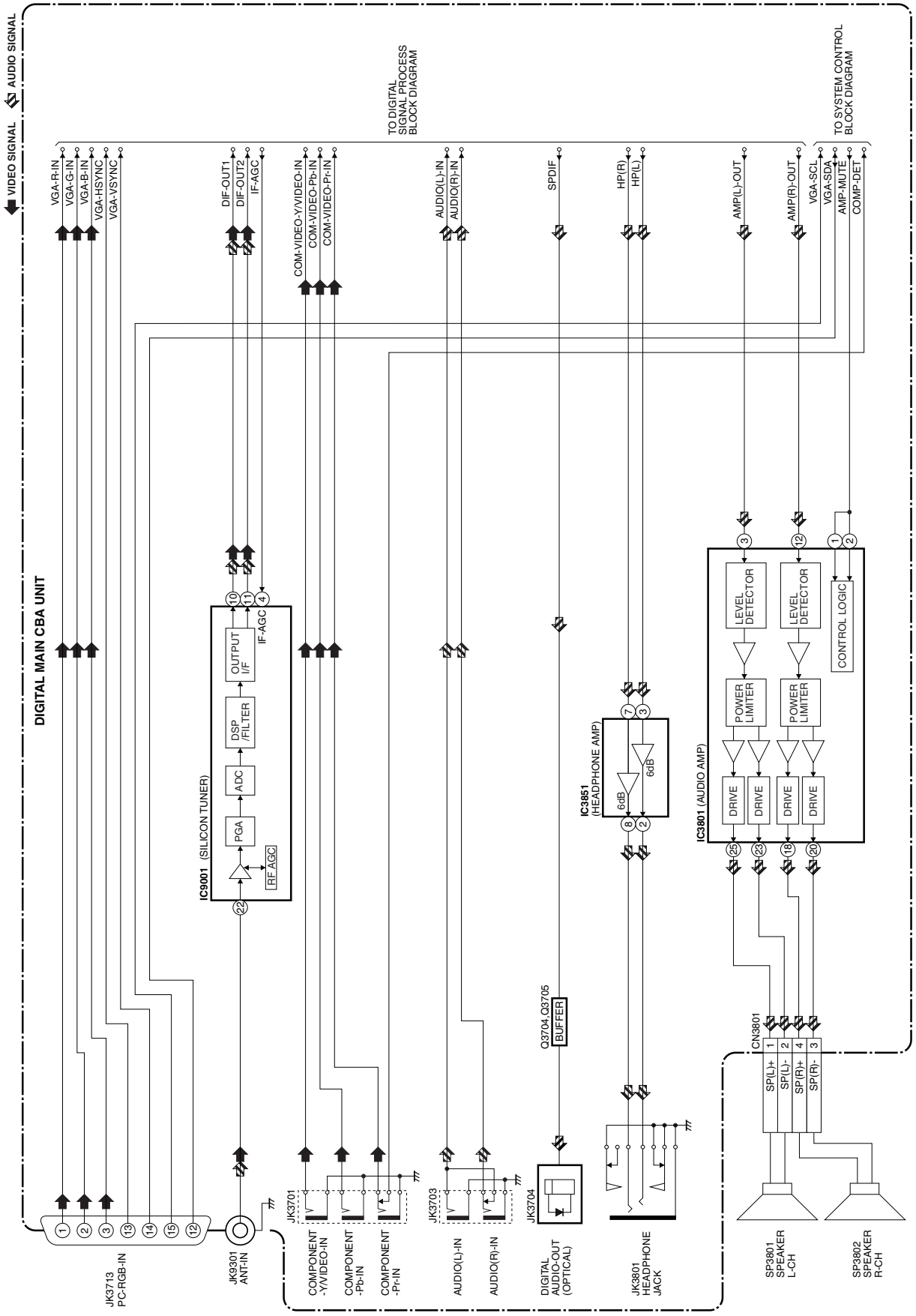
5. Power Supply Block Diagram



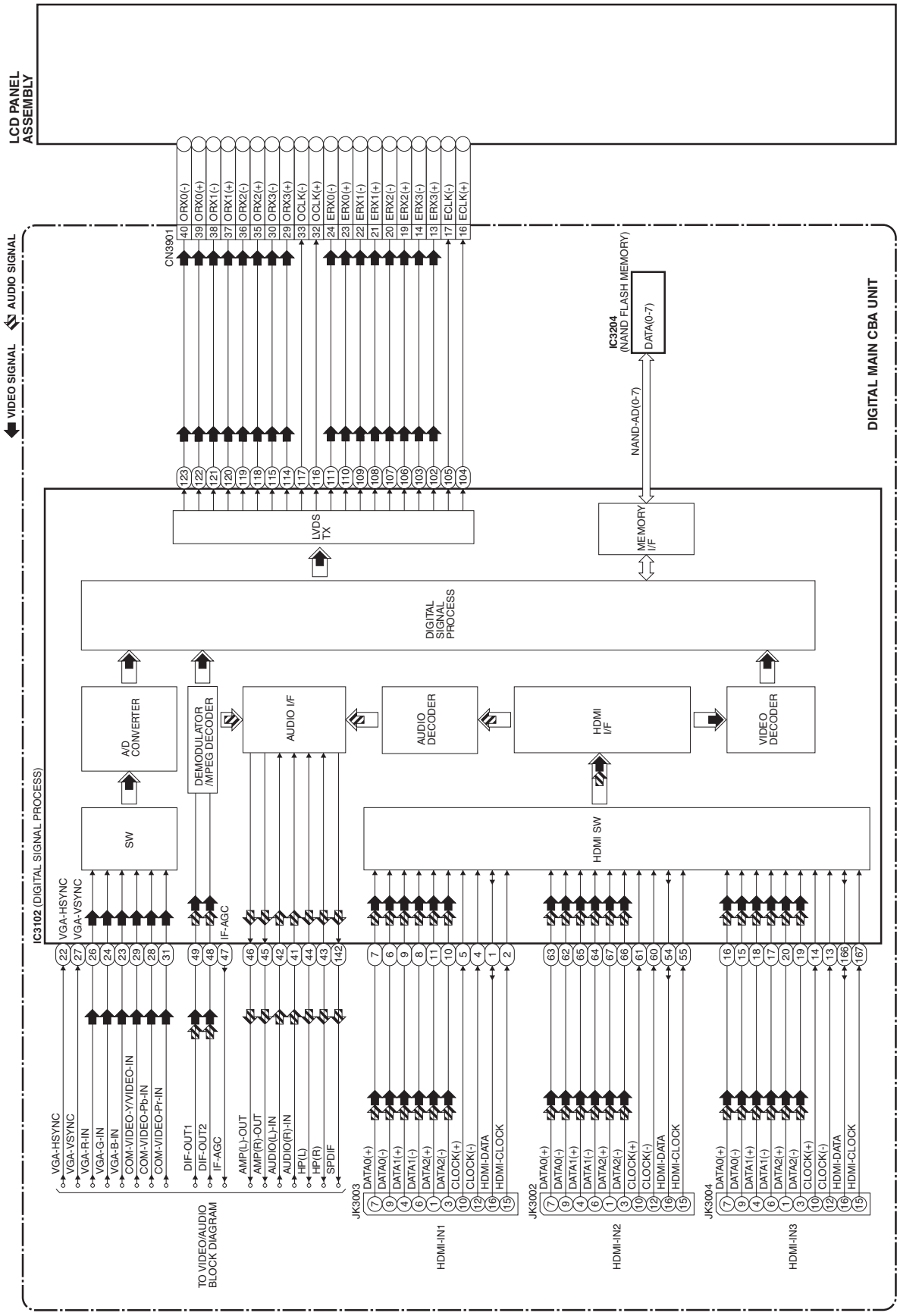
[TYPE E]
1. System Control Block Diagram



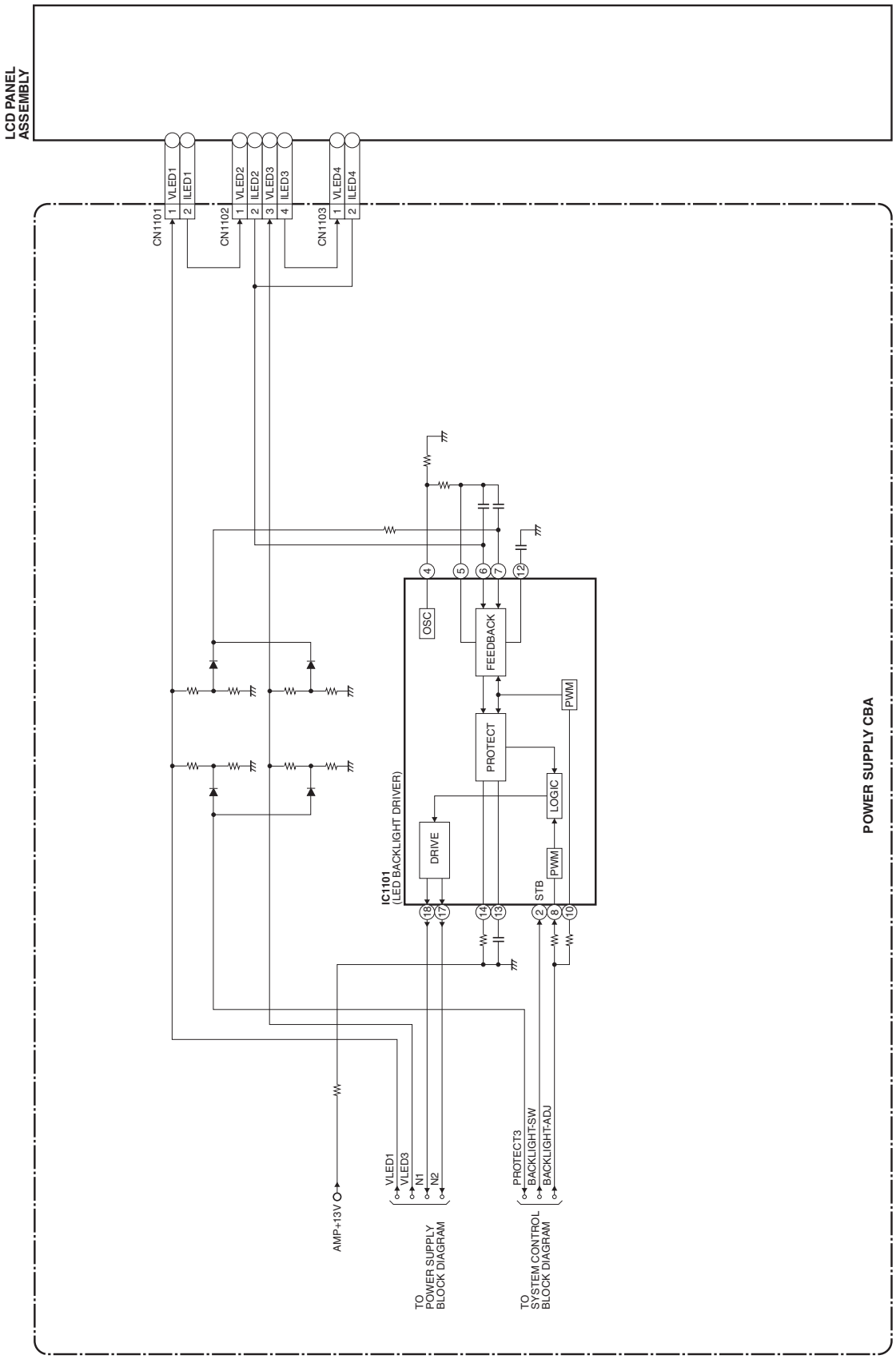
2. Video/Audio Block Diagram



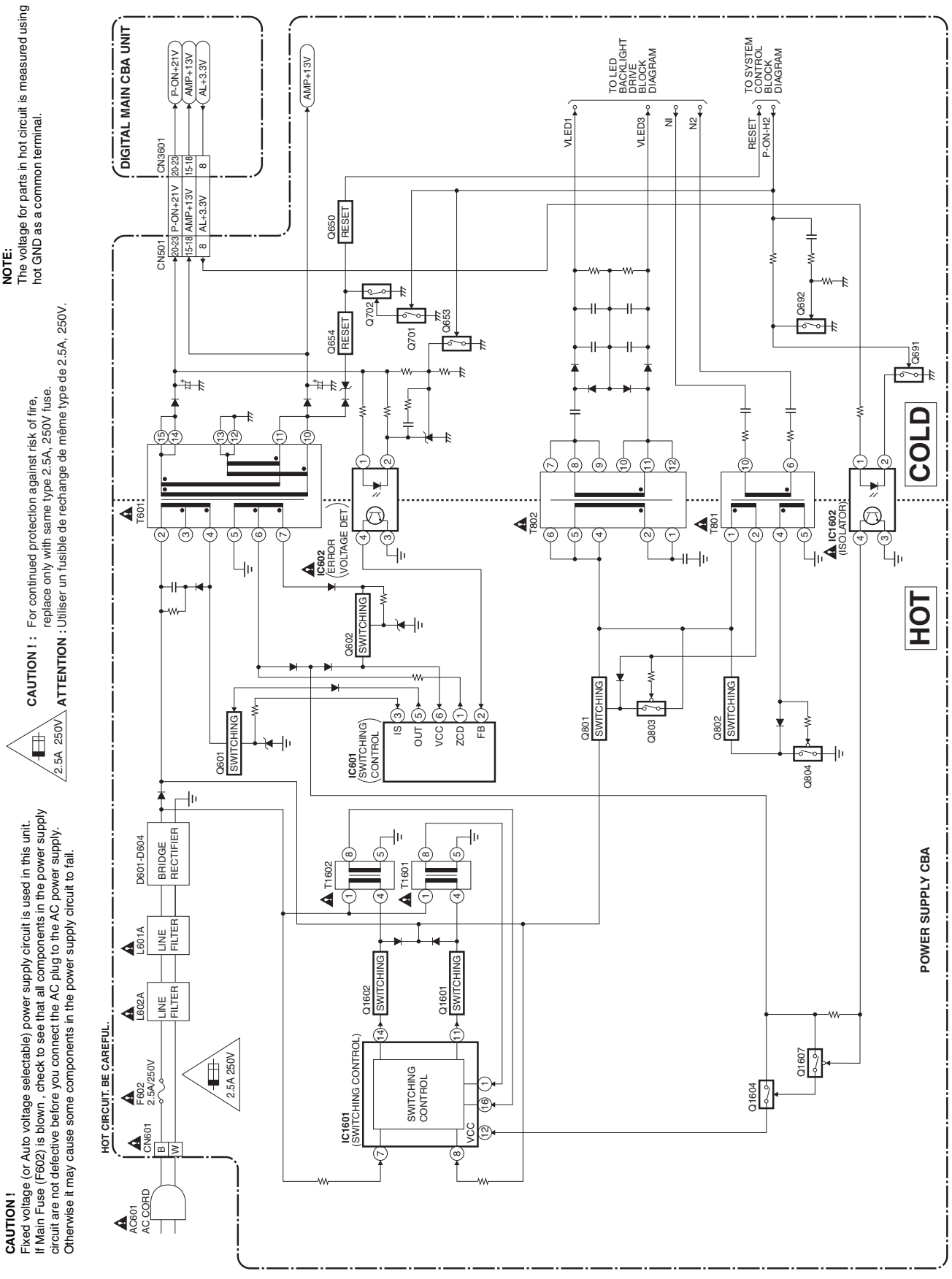
3. Digital Signal Process Block Diagram



4. LED Backlight Drive Block Diagram



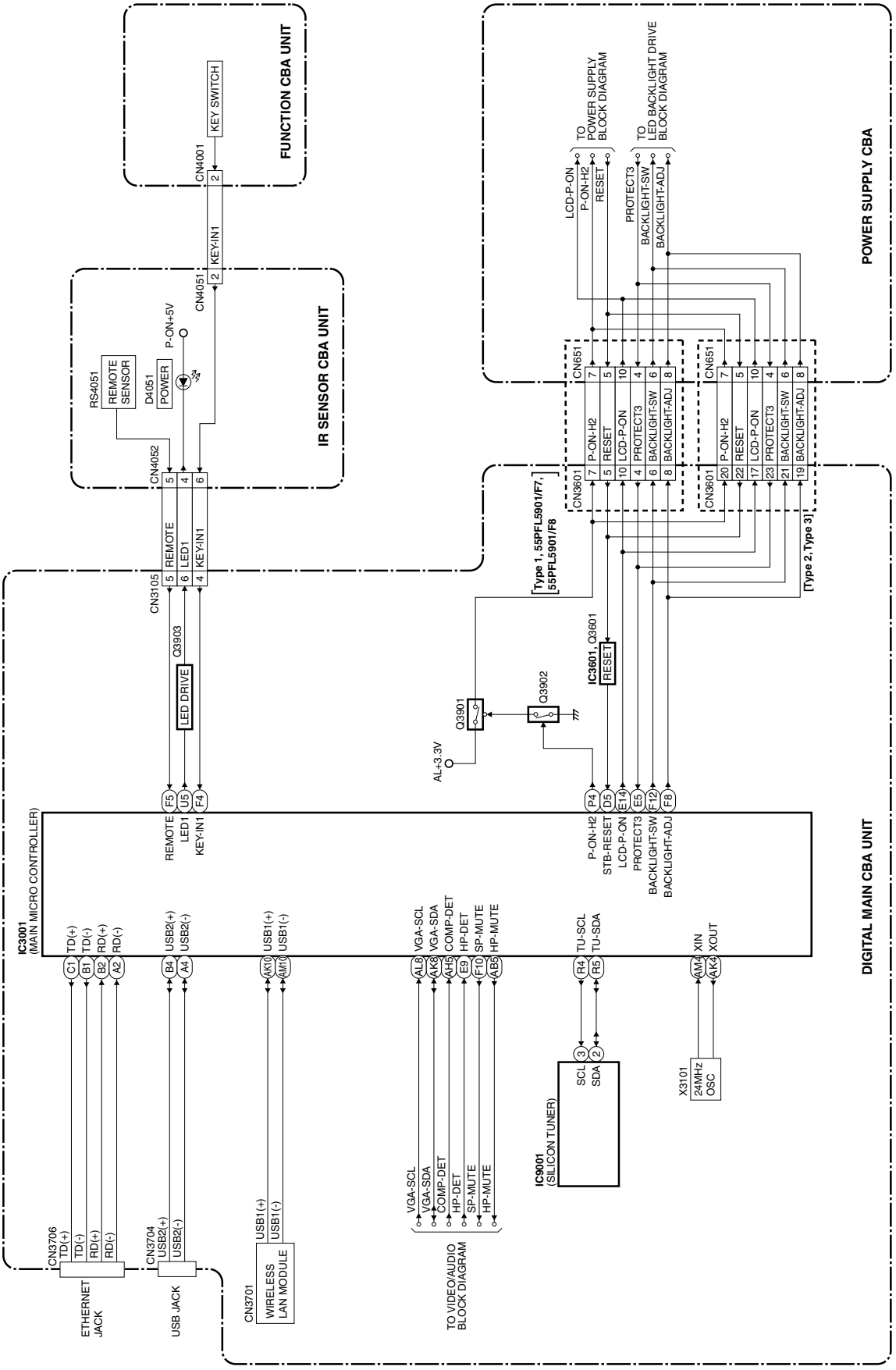
5. Power Supply Block Diagram



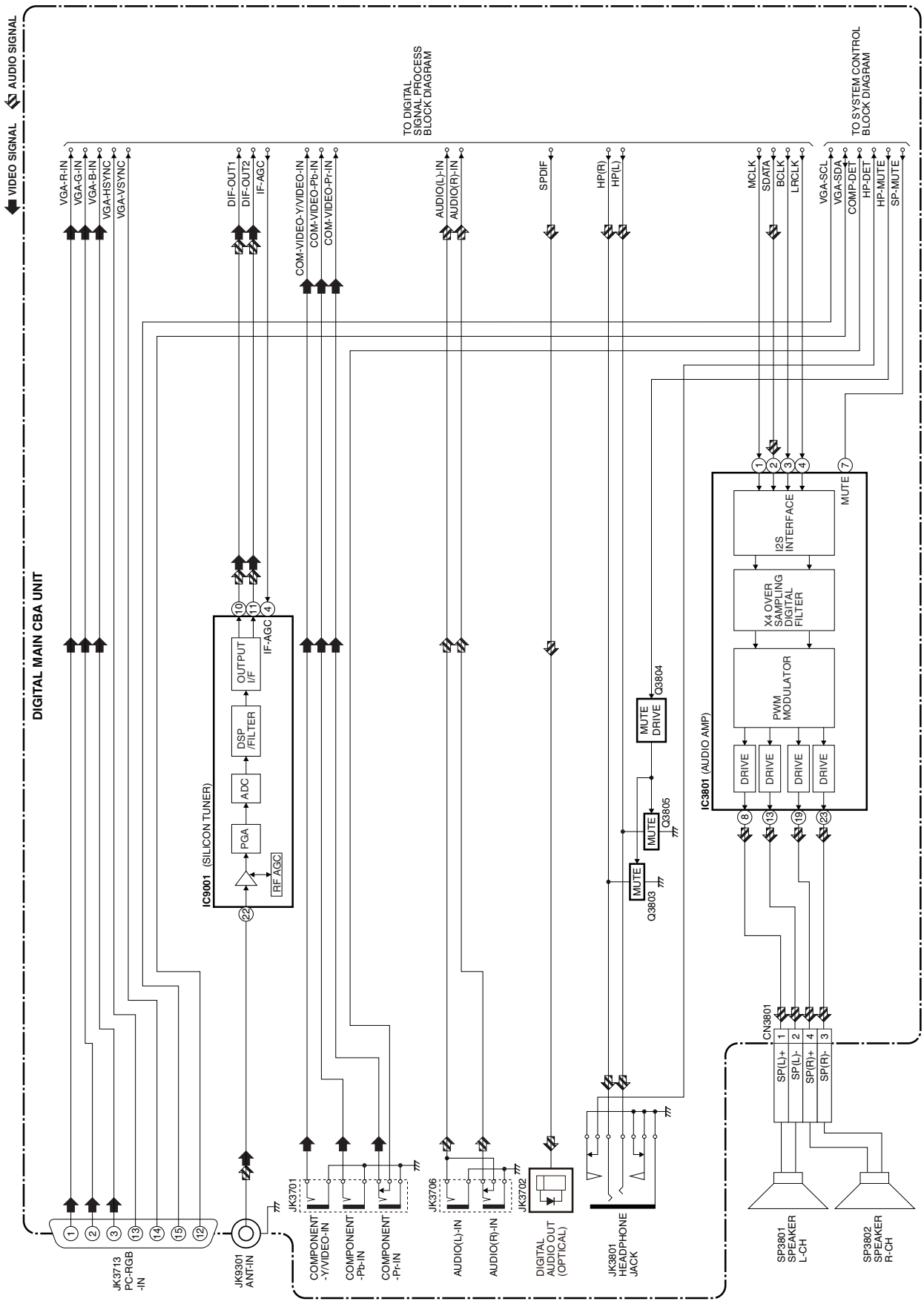
[TYPE F]
1. System Control Block Diagram

55PFL5601/F7 model has the combination of more than one Wire Assembly and Digital Main PCB.
See the following table for more information.

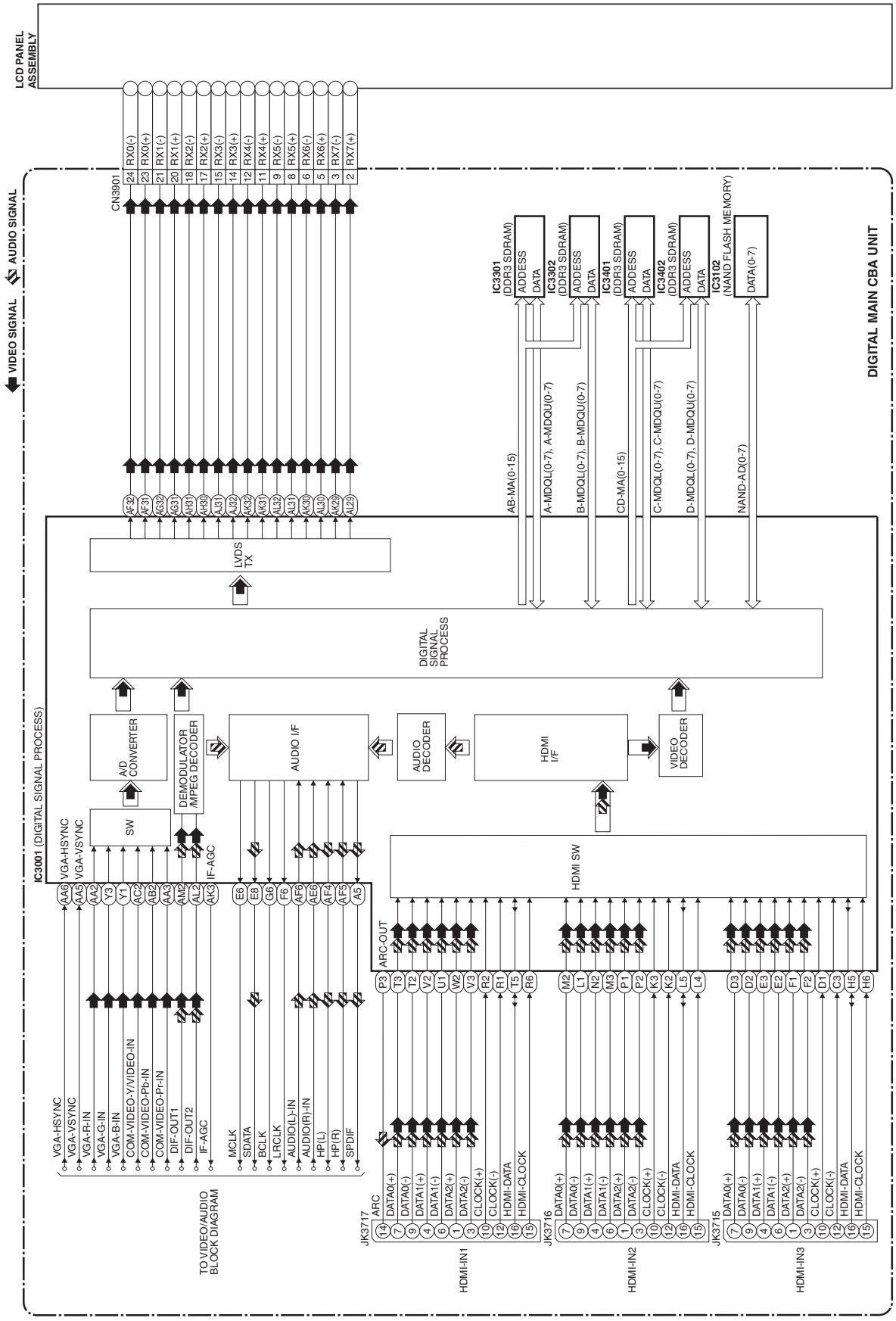
	Type 1	Type 2	Type 3
Wire Assembly Parts No.	WX1A51REx313	WX1A51RJx303	WX1A51RJx303
Digital Main PCB Part No.	BA51REG04012	BA51RJG04012	BA51REG04012



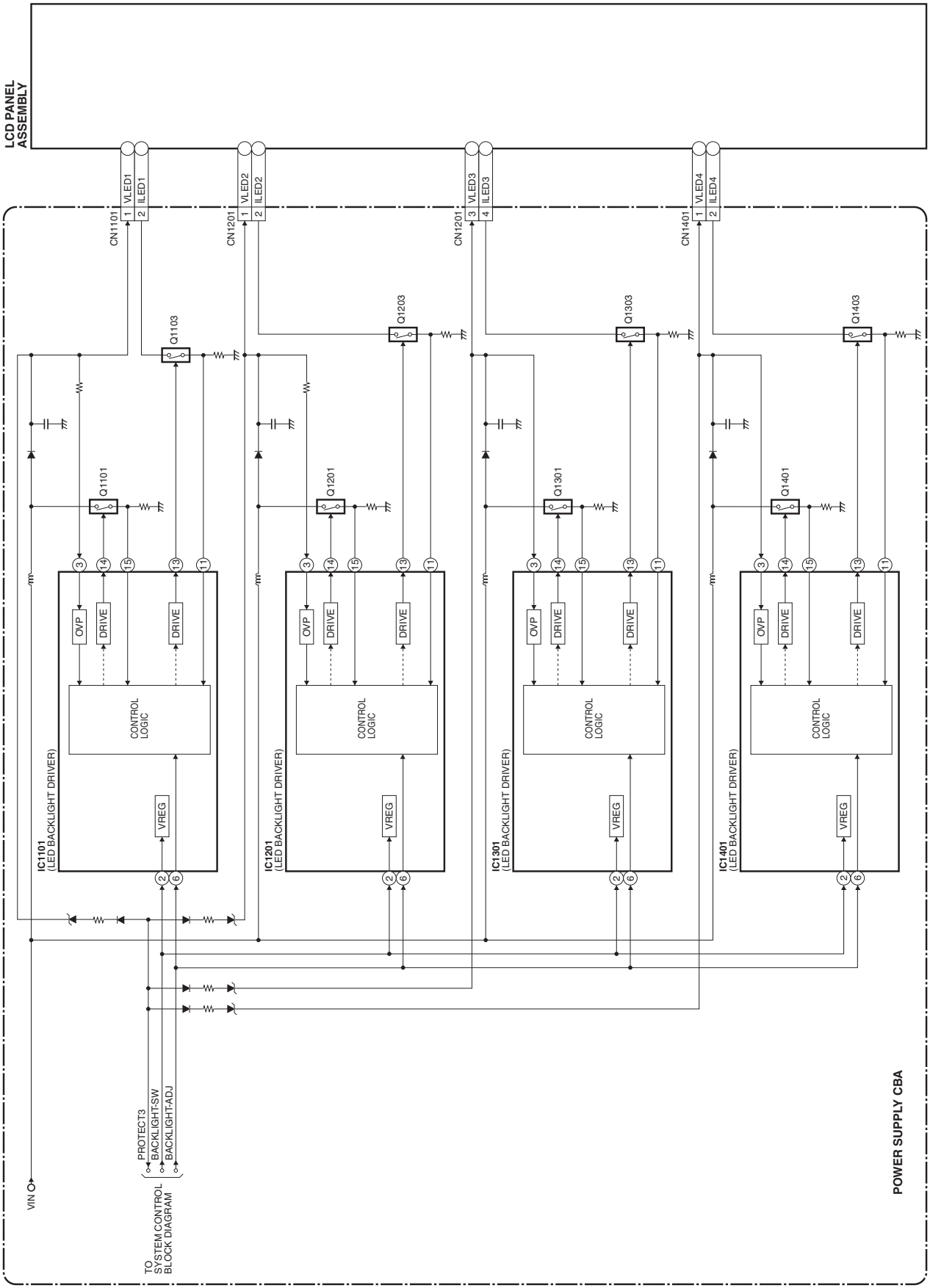
2. Video/Audio Block Diagram



3. Digital Signal Process Block Diagram



4. LED Backlight Drive Block Diagram

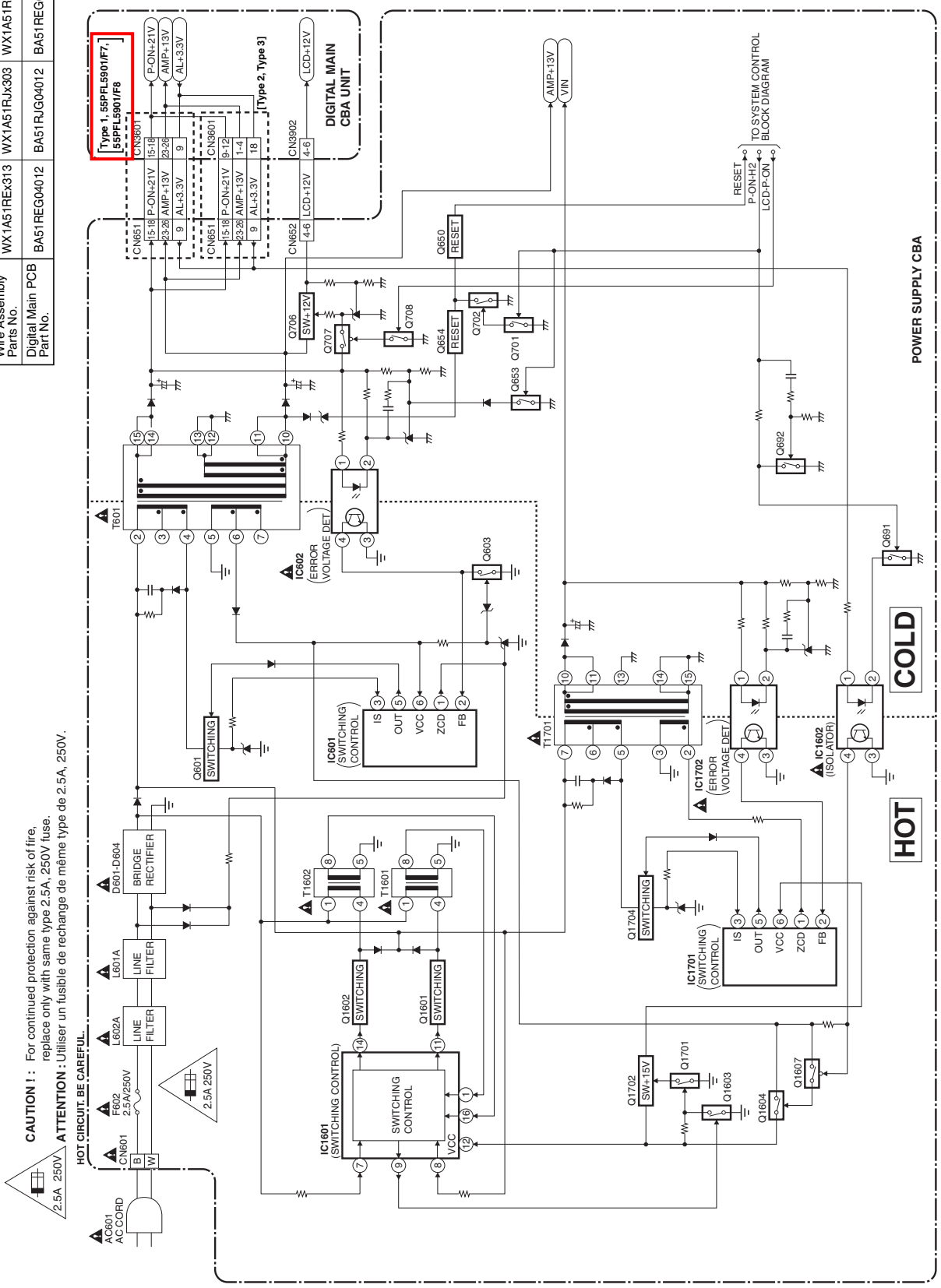


5. Power Supply Block Diagram

55PFL5601/F7 model has the combination of more than one Wire Assembly and Digital Main PCB.
See the following table for more information.

	Type 1	Type 2	Type 3
Wire Assembly Parts No.	WX1A51REx313	WX1A51RJx303	WX1A51RJx303
Digital Main PCB Part No.	BA51REG04012	BA51RJG04012	BA51REG04012

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 PL15.16 chassis models.
   Thus some parts in detail illustrated on this schematic diagrams may vary depend on the model within the PL15.16 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:

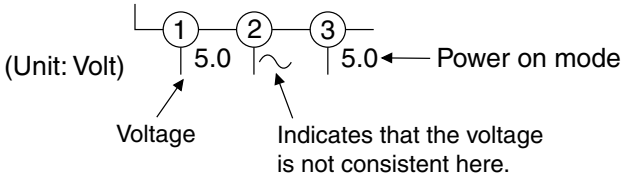
Fixed Voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) is blown, first check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the 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:

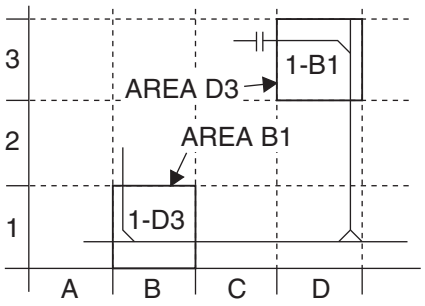
Plug the TV power cord into a standard AC outlet.:



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.

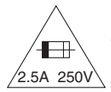
: Used to indicate a test point with no test pin.

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

The reference number of parts on Schematic Diagrams/CBA can be retrieved by application search function.

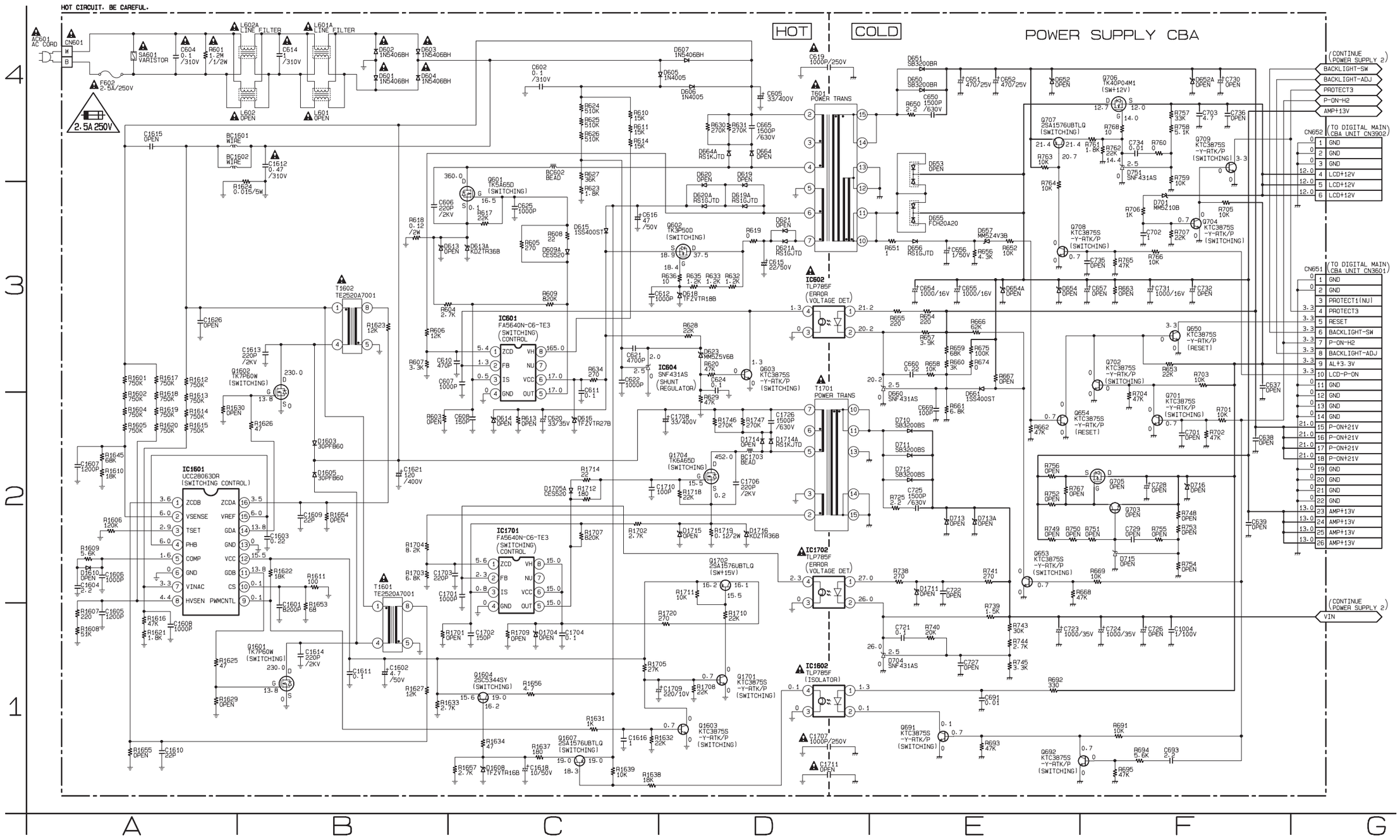
Power Supply 1 Schematic Diagram [TYPE A, D]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) 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.

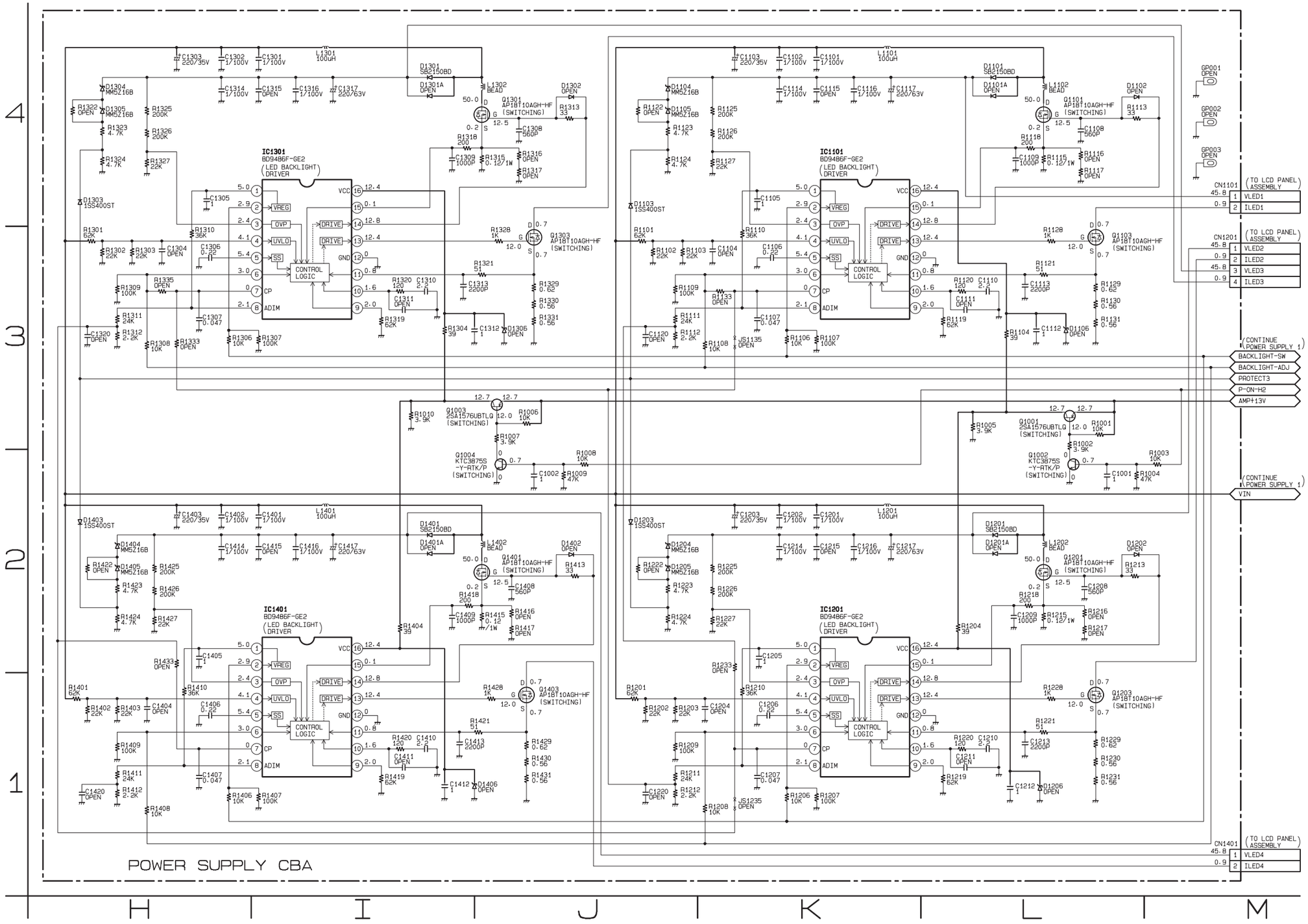


CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

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



Power Supply 2 Schematic Diagram [TYPE A, D]



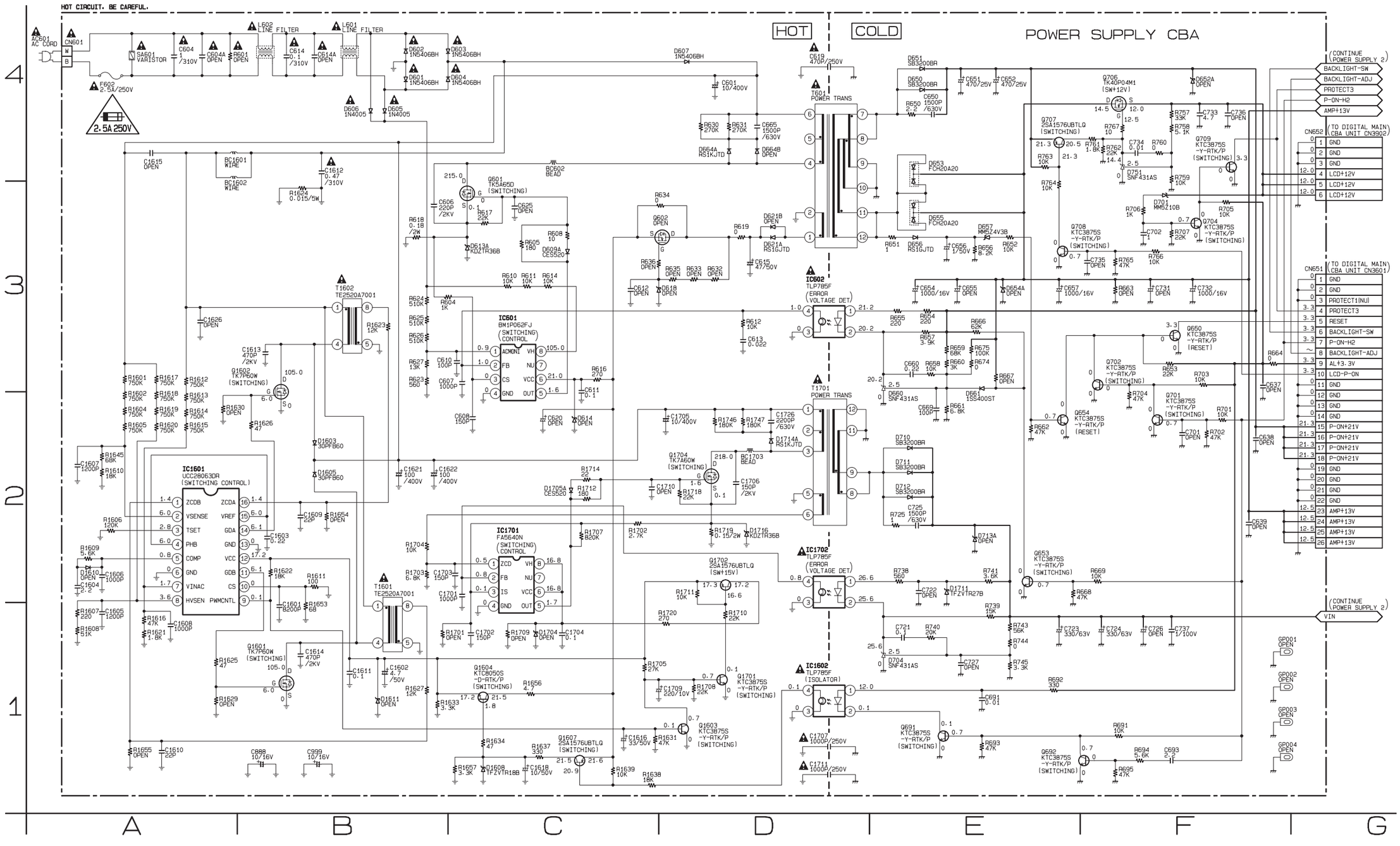
Power Supply 1 Schematic Diagram [TYPE B]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) 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.

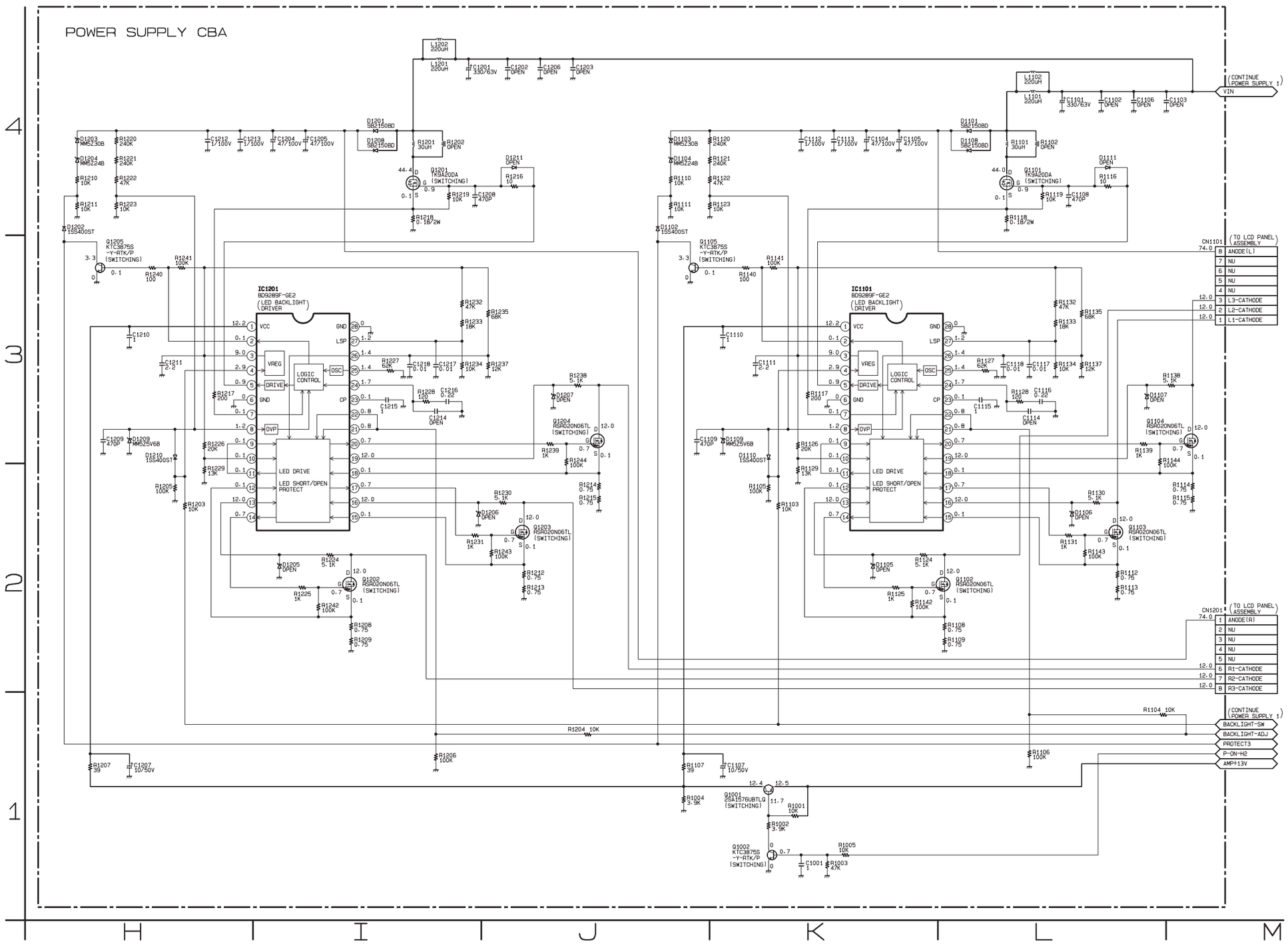
2.5A 250V

CAUTION ! : For continued protection against risk of fire,
replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

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



Power Supply 2 Schematic Diagram [TYPE B]



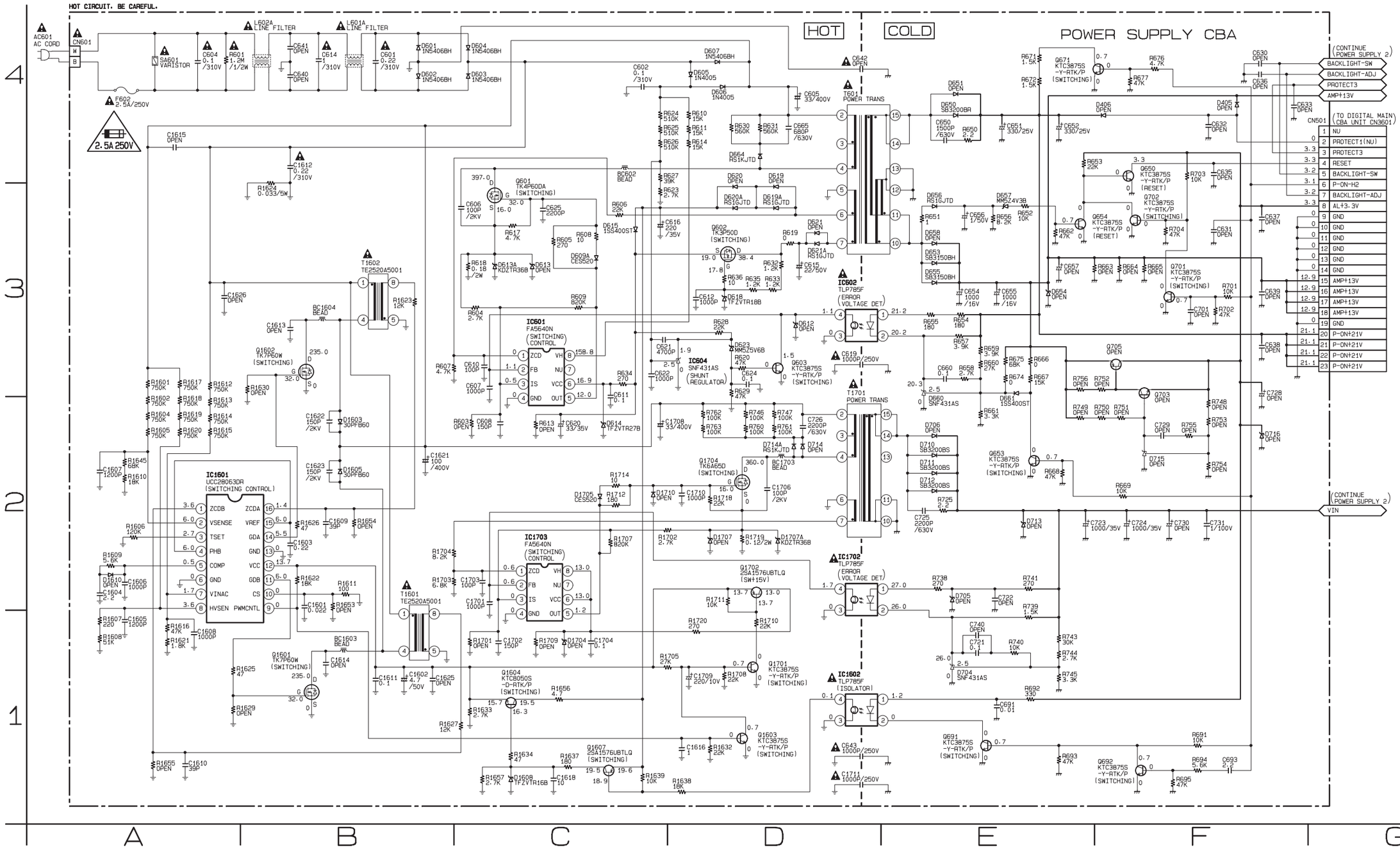
Power Supply 1 Schematic Diagram [TYPE C]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) 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.

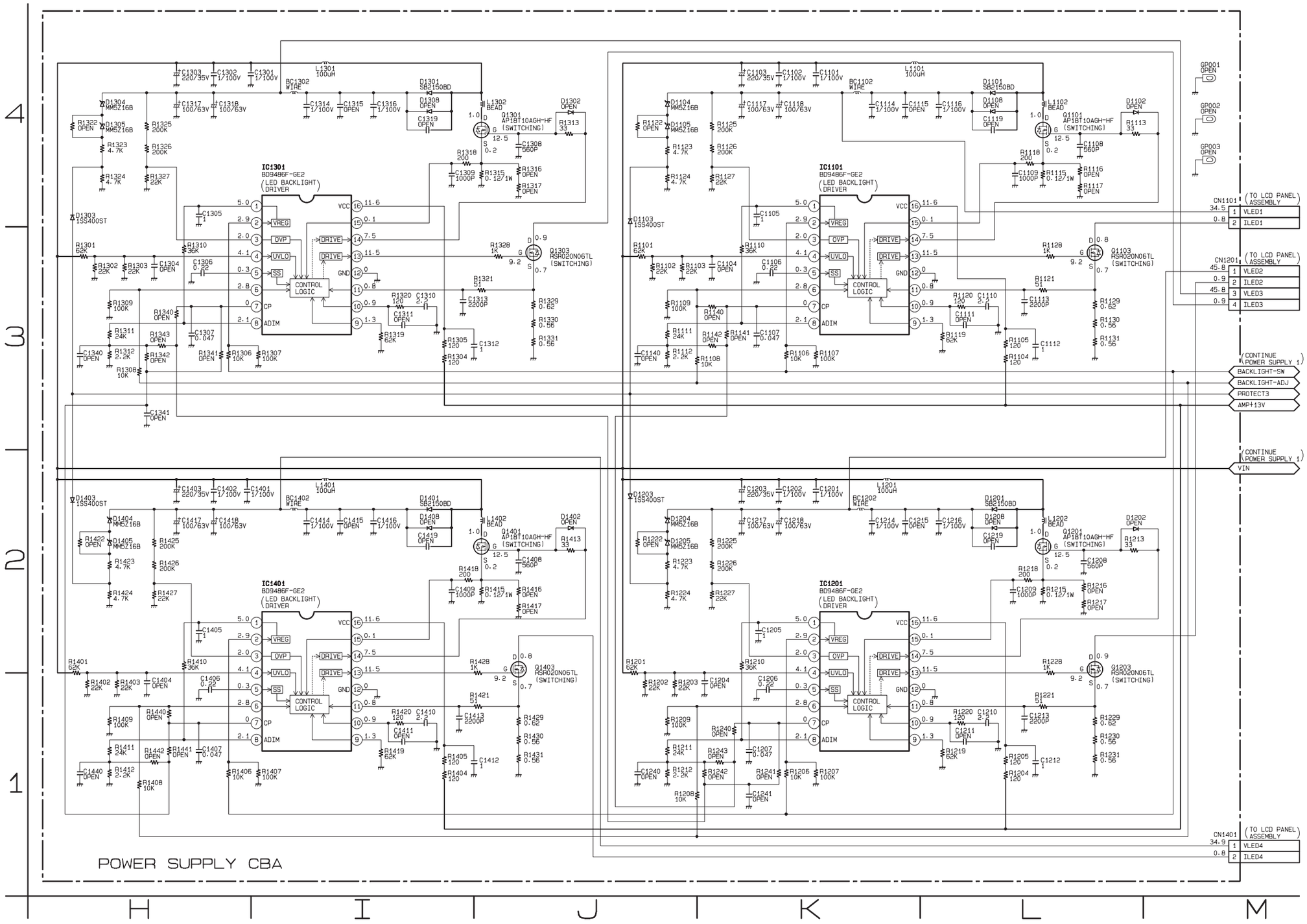
2.5A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

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



Power Supply 2 Schematic Diagram [TYPE C]



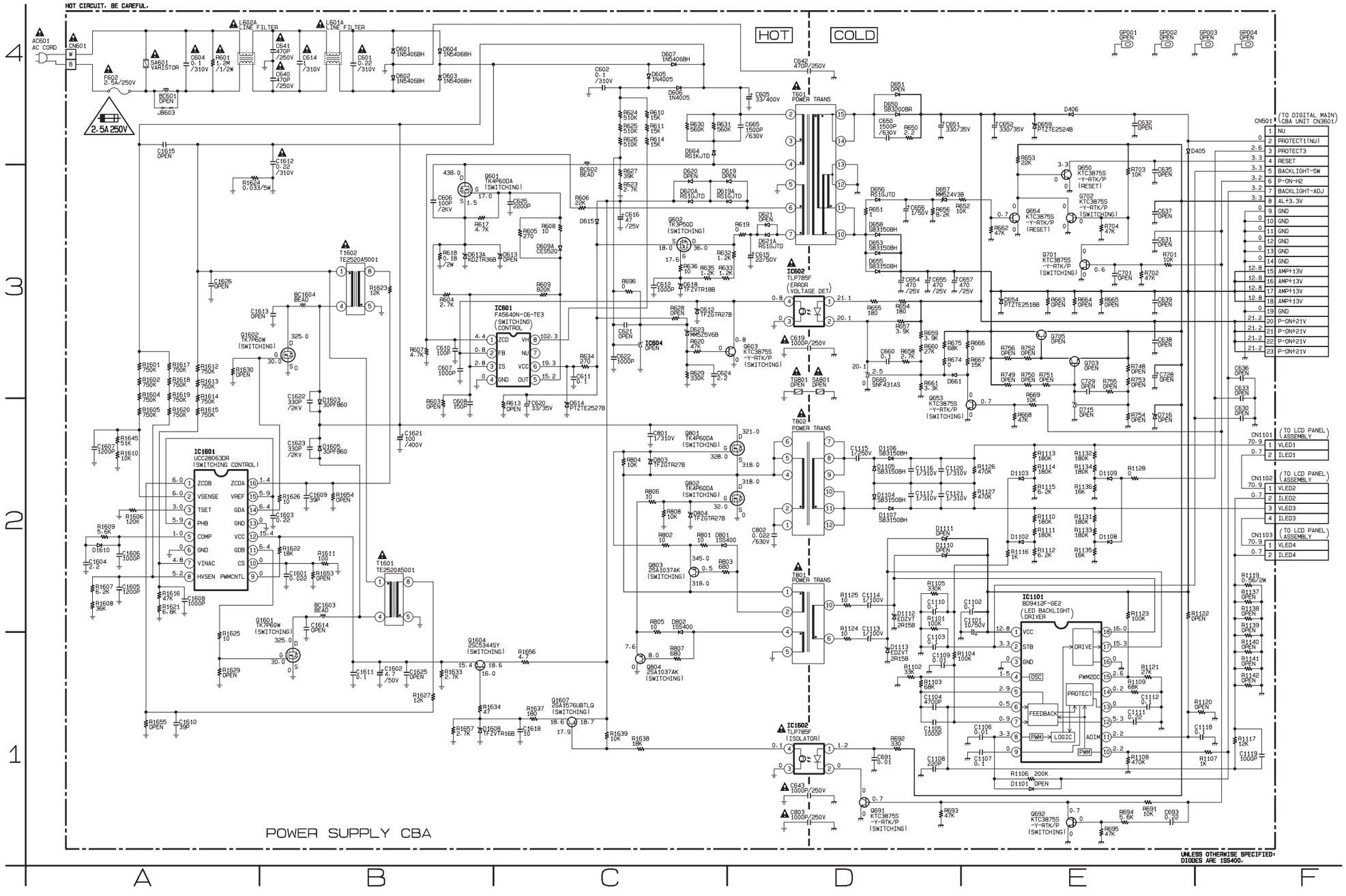
Power Supply Schematic Diagram [TYPE E]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) 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.

2.5A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

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



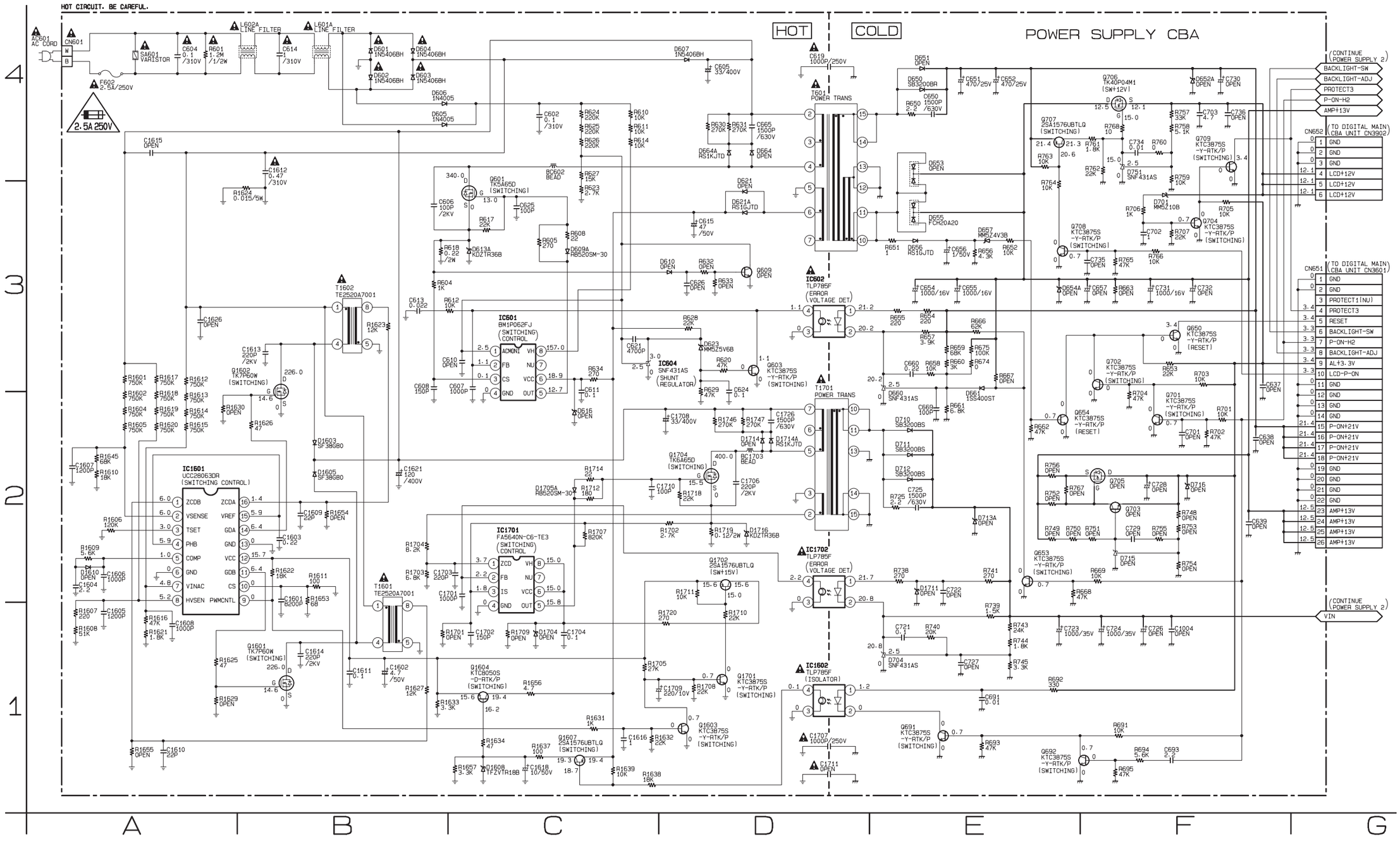
Power Supply 1 Schematic Diagram [TYPE F]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) 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.

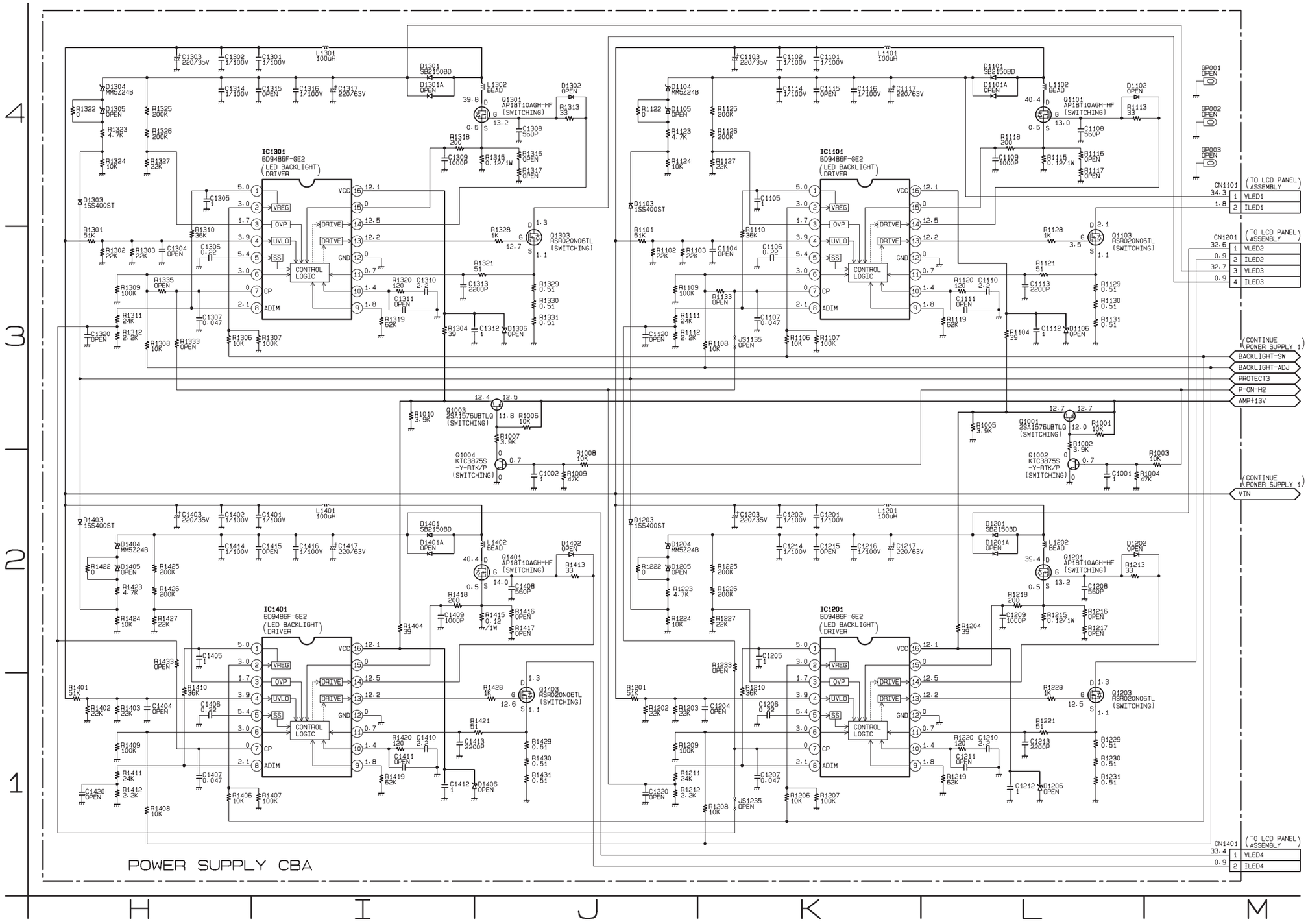
2.5A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

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

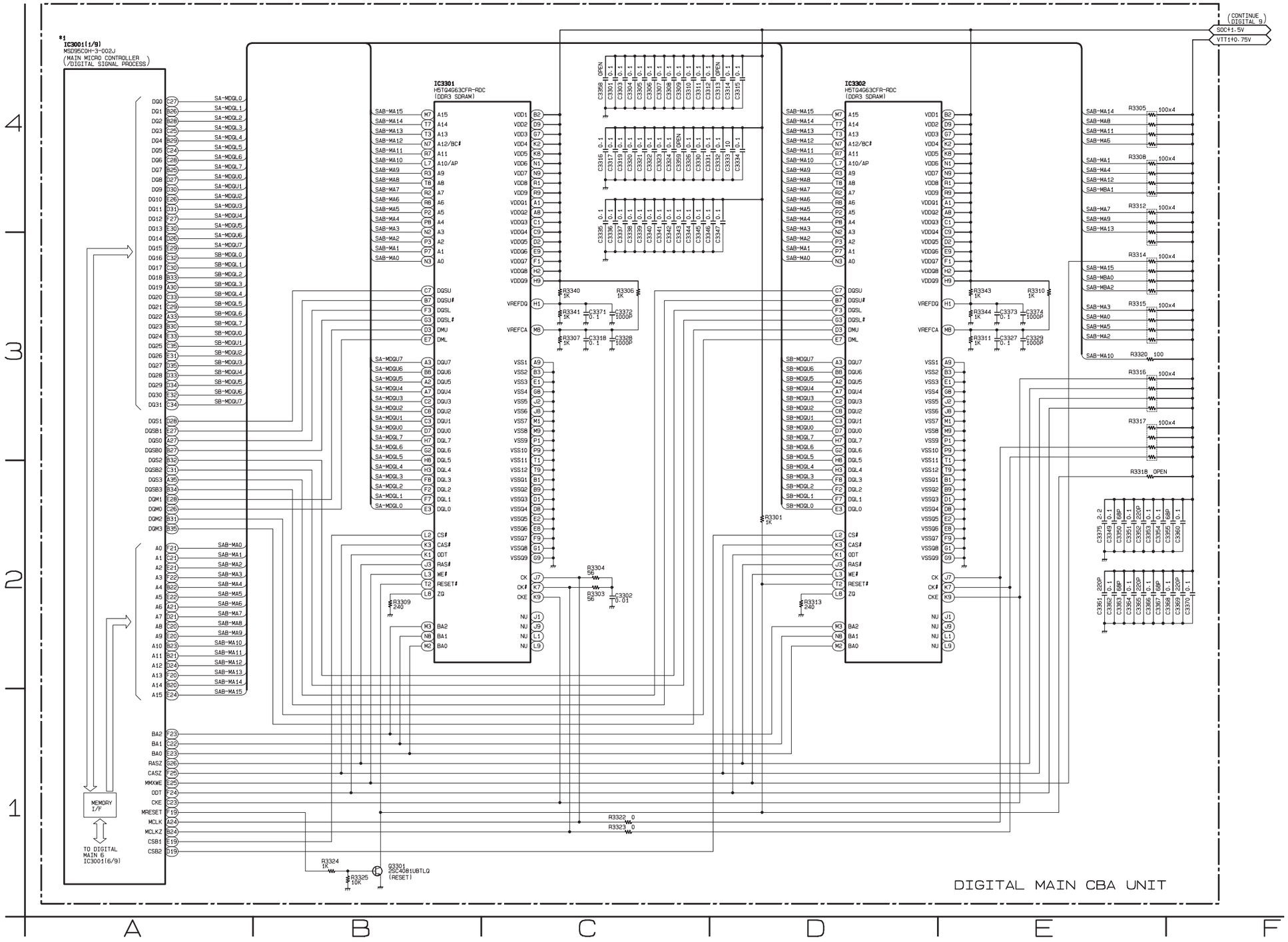


Power Supply 2 Schematic Diagram [TYPE F]



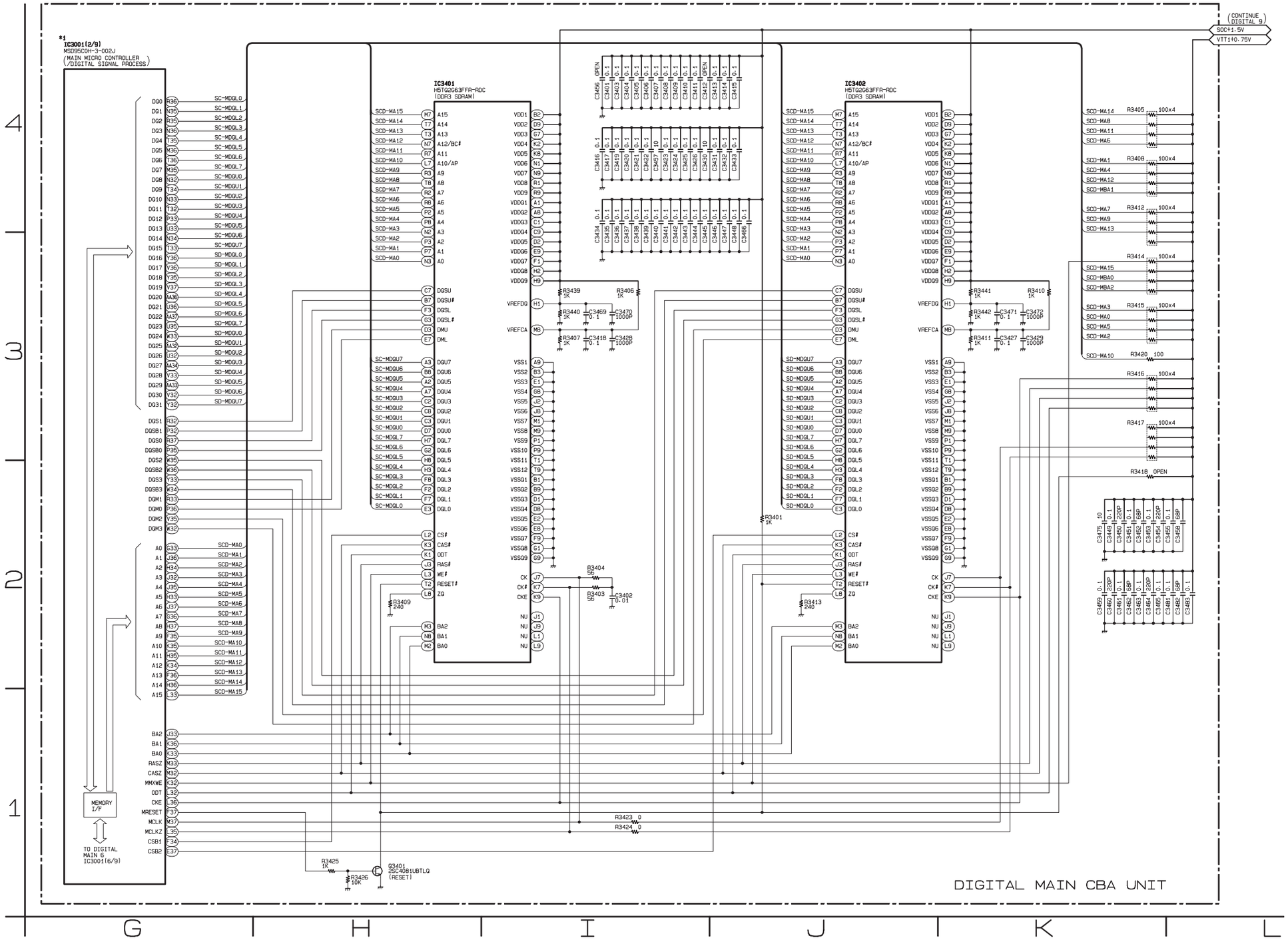
Digital Main 1 Schematic Diagram [TYPE A]

＊1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



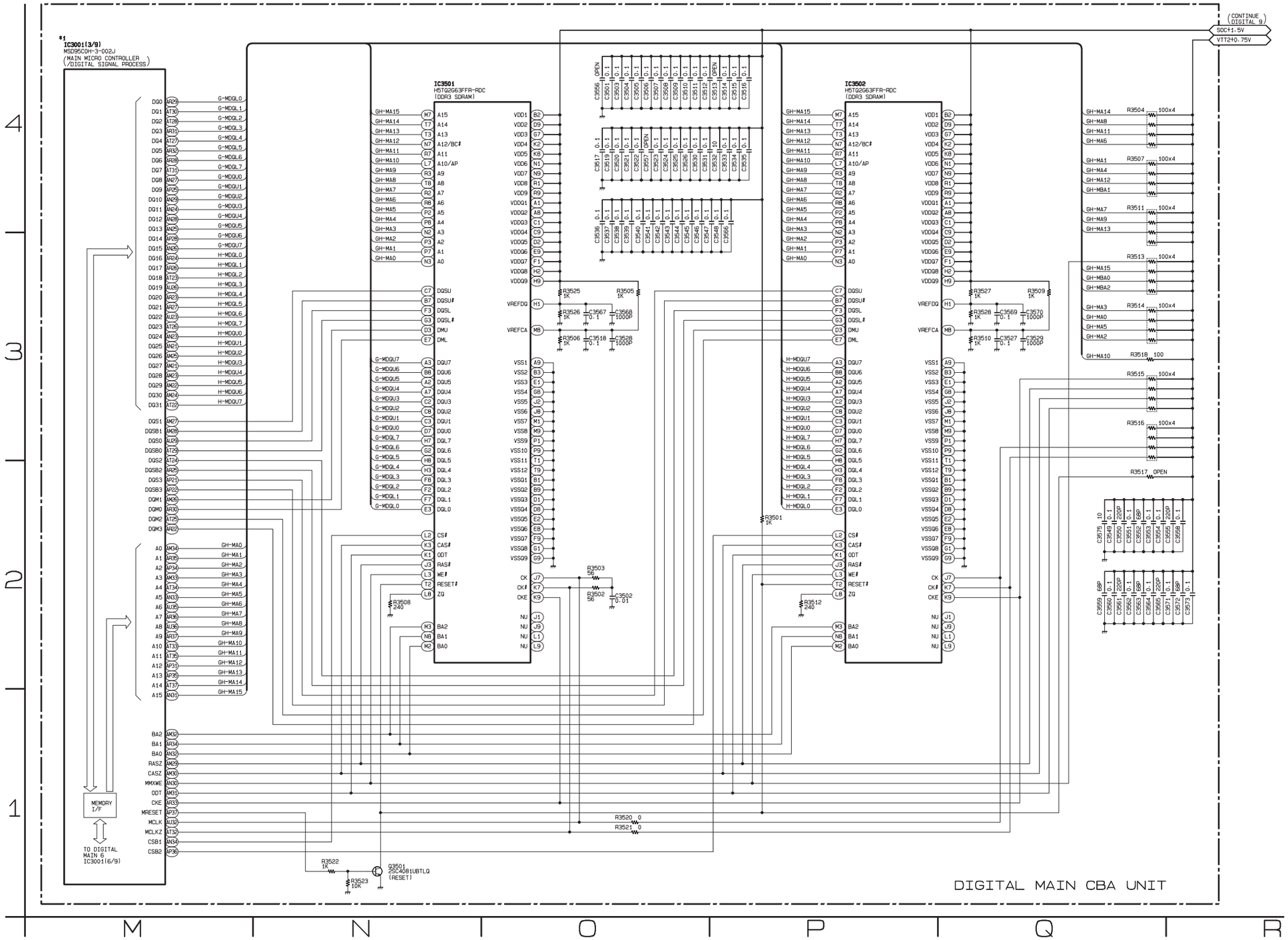
Digital Main 2 Schematic Diagram [TYPE A]

＊1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



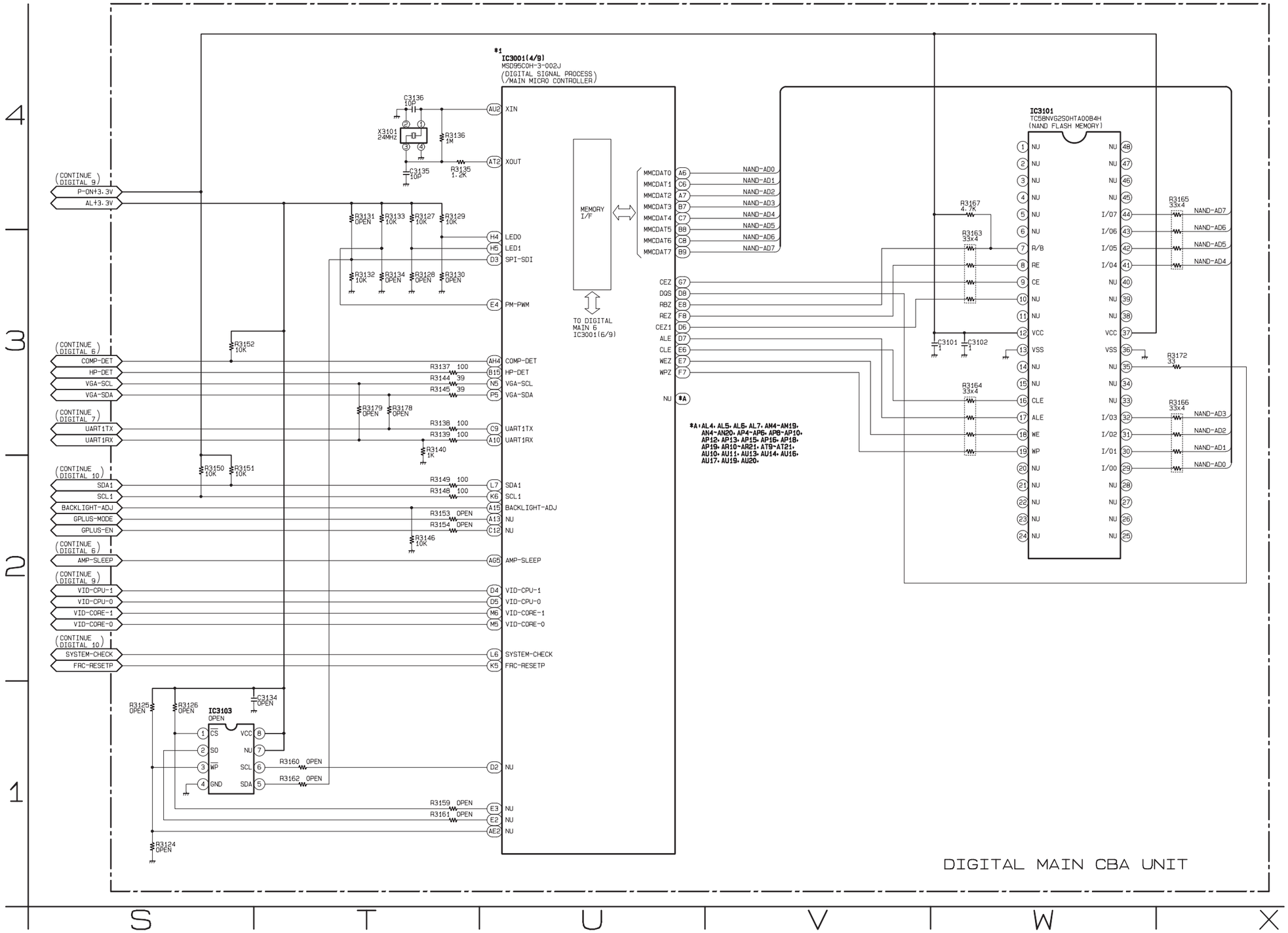
Digital Main 3 Schematic Diagram [TYPE A]

＊1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



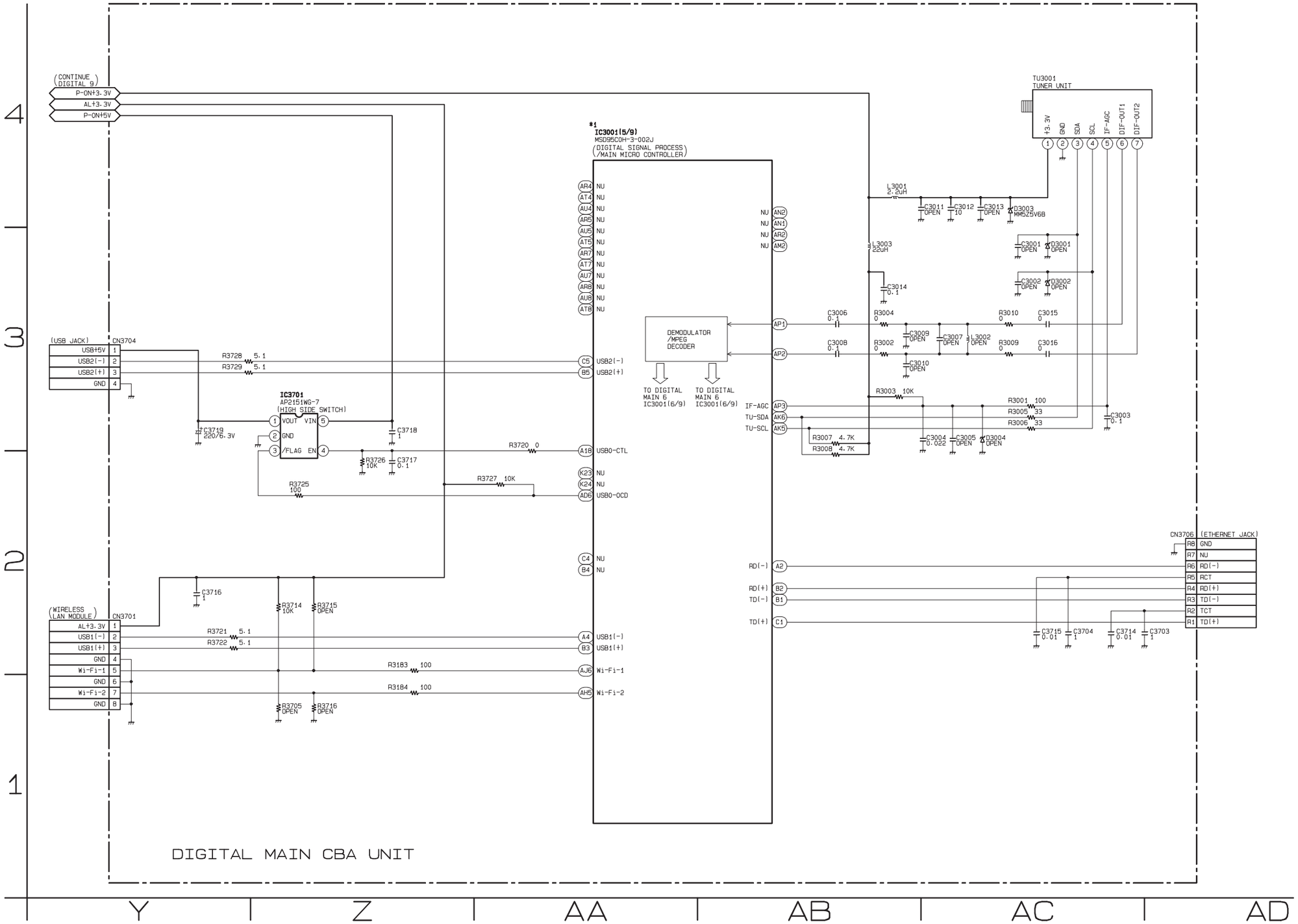
Digital Main 4 Schematic Diagram [TYPE A]

＊1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



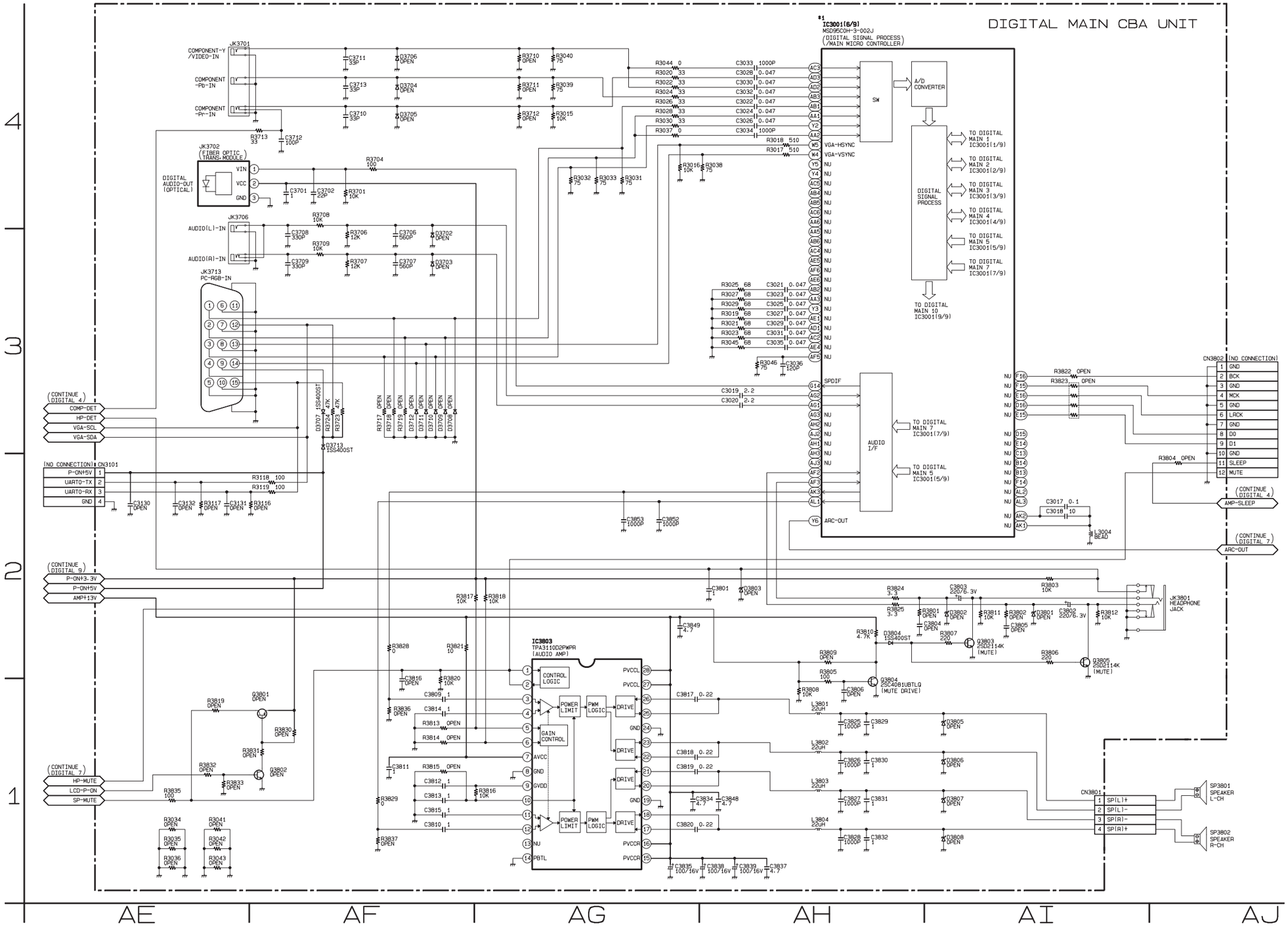
Digital Main 5 Schematic Diagram [TYPE A]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



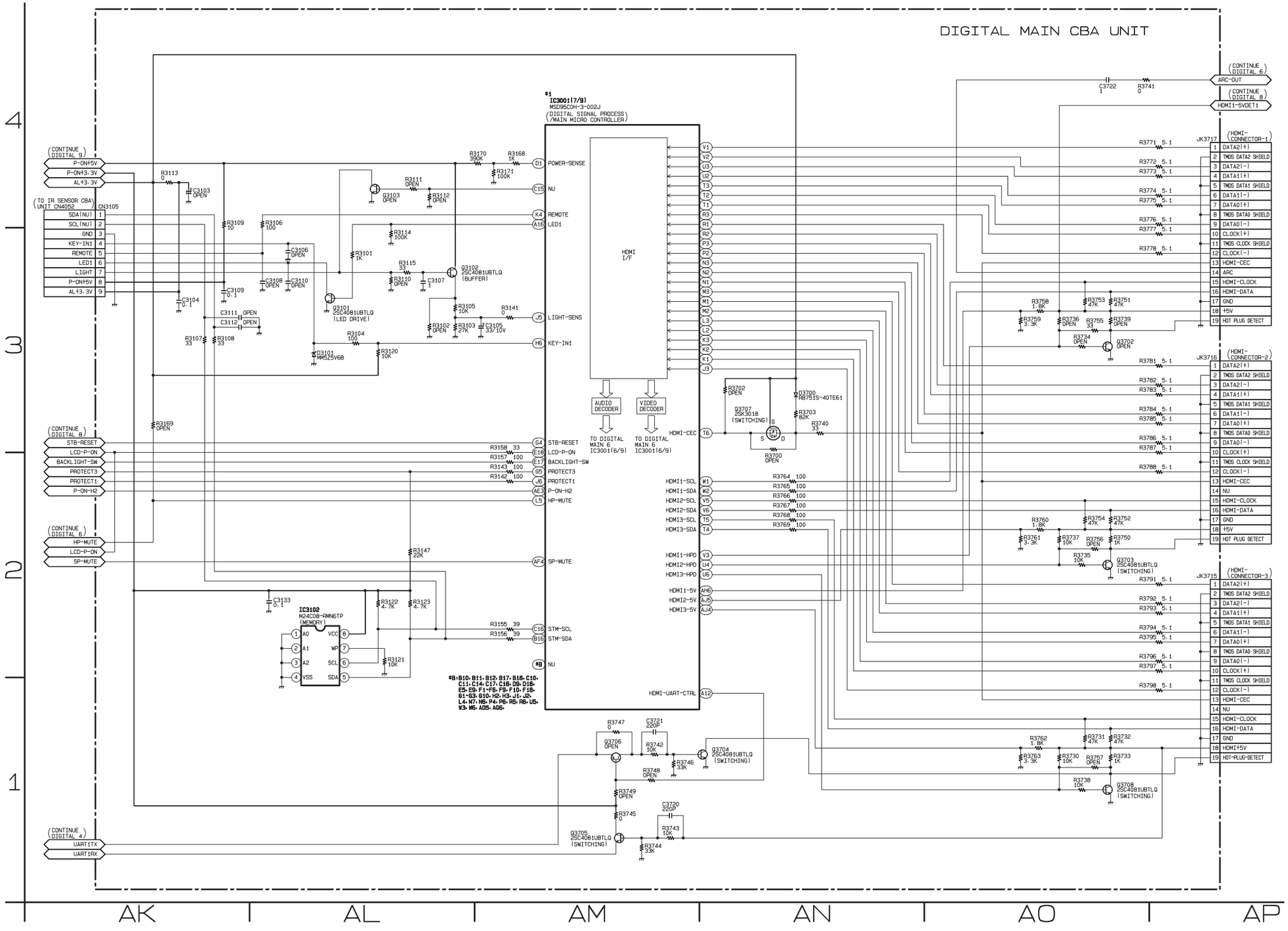
Digital Main 6 Schematic Diagram [TYPE A]

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



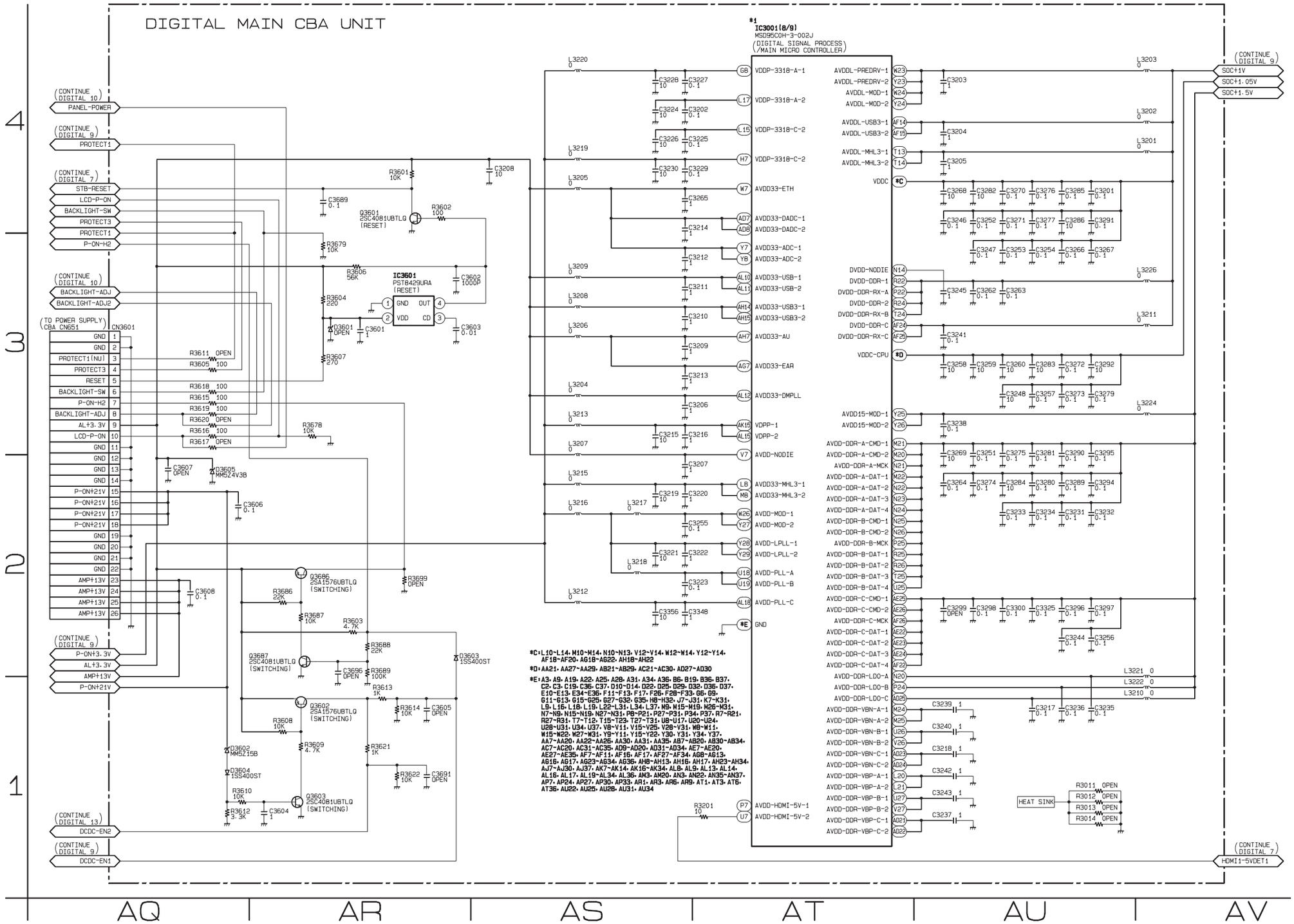
Digital Main 7 Schematic Diagram [TYPE A]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.

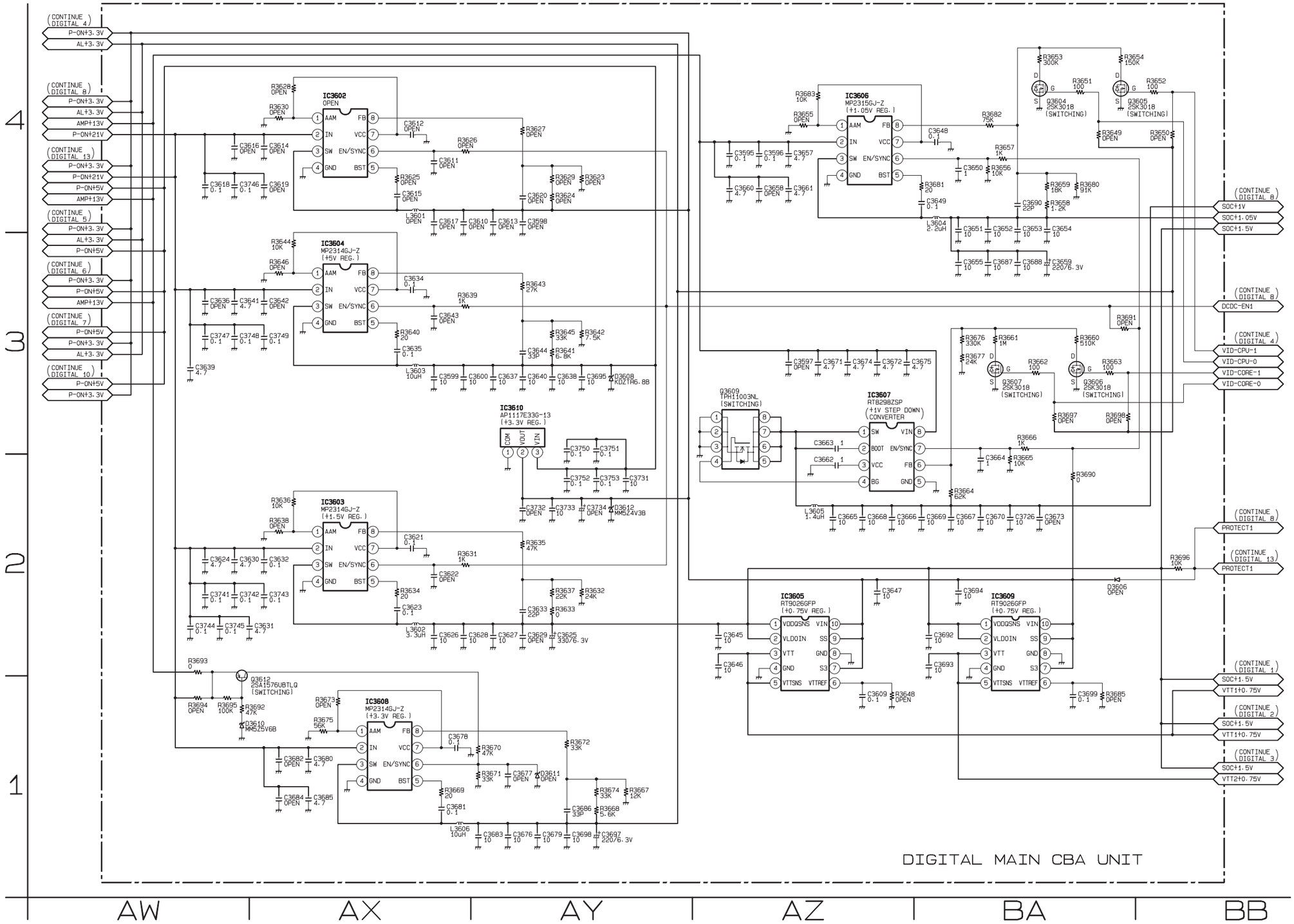


Digital Main 8 Schematic Diagram [TYPE A]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



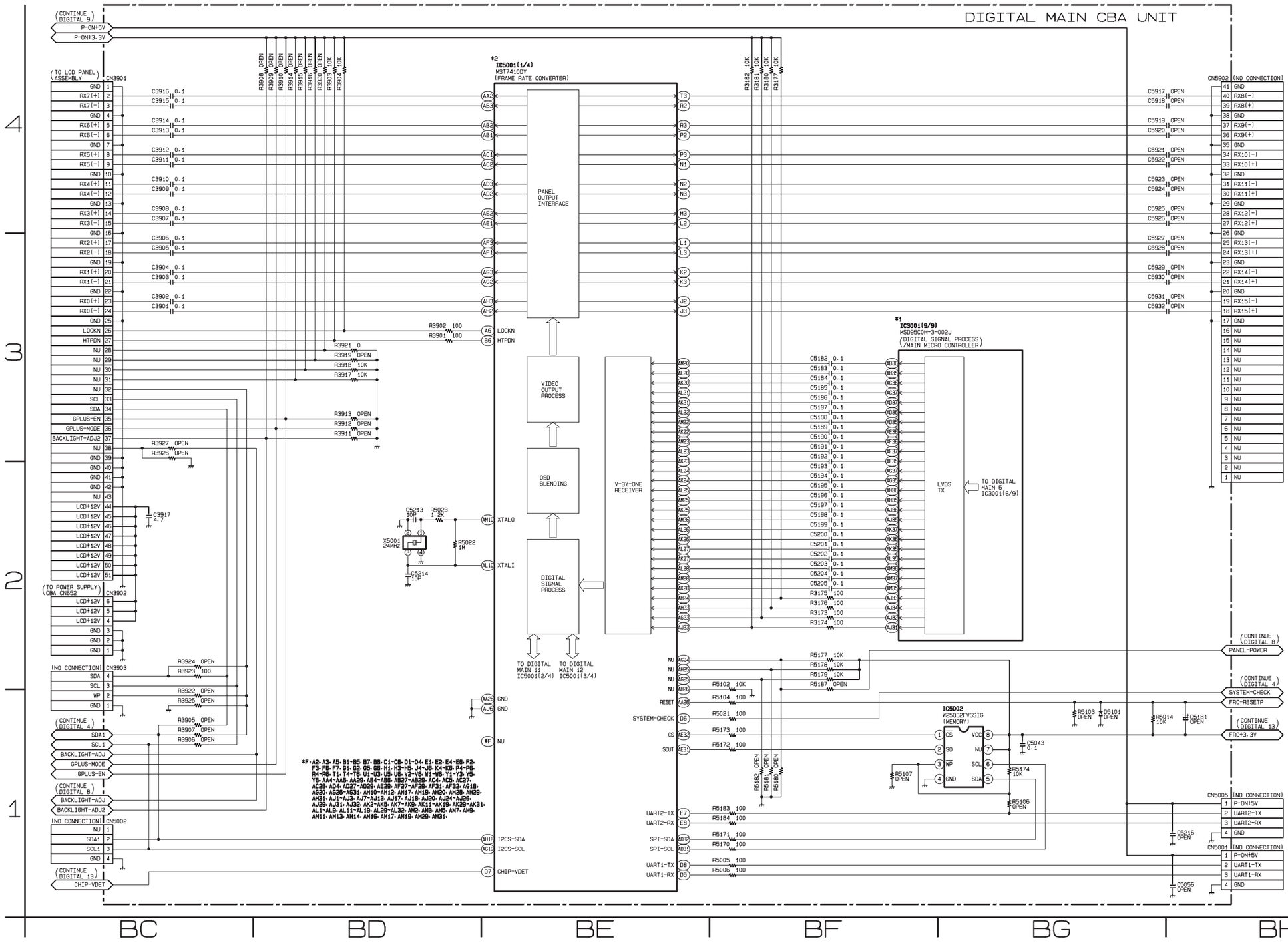
Digital Main 9 Schematic Diagram [TYPE A]



Digital Main 10 Schematic Diagram [TYPE A]

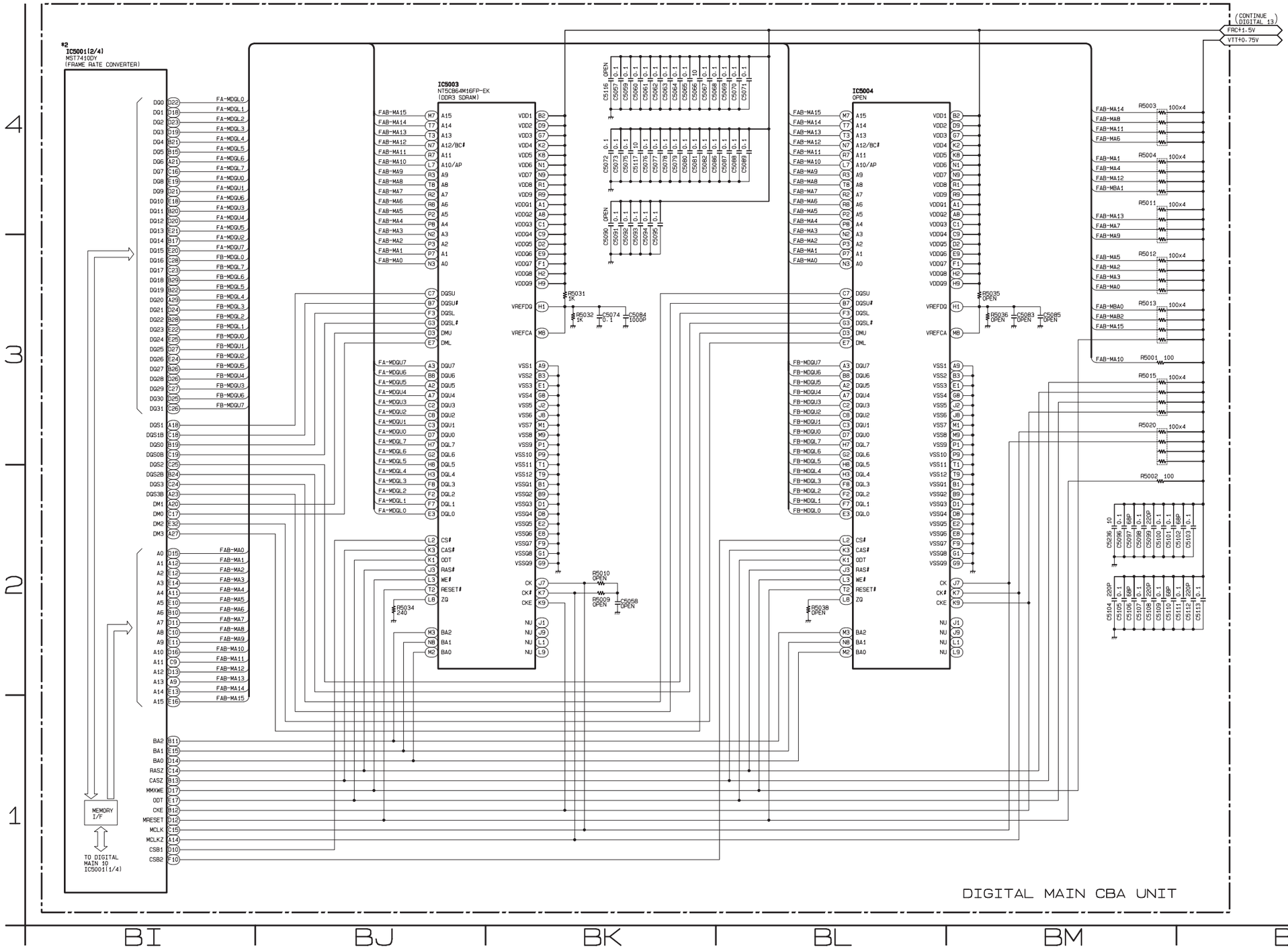
∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.

∗2 NOTE:
The order of pins shown in this diagram is different from that of actual IC5001.
IC5001 is divided into four and shown as IC5001 (1/4) ~ IC5001 (4/4) in this Digital Main Schematic Diagram Section.



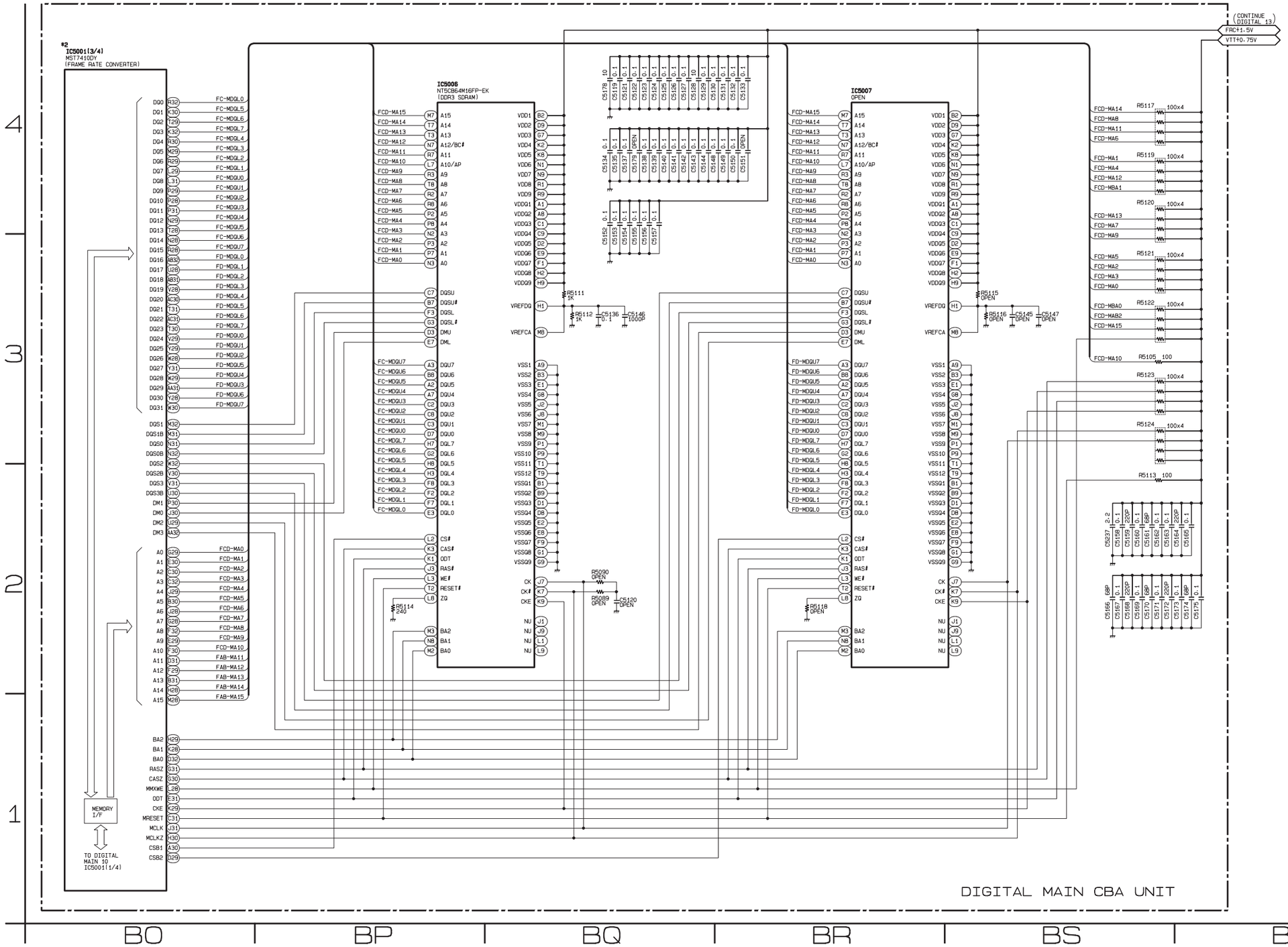
Digital Main 11 Schematic Diagram [TYPE A]

∗2 NOTE:
The order of pins shown in this diagram is different from that of actual IC5001.
IC5001 is divided into four and shown as IC5001 (1/4) ~ IC5001 (4/4) in this Digital Main Schematic Diagram Section.



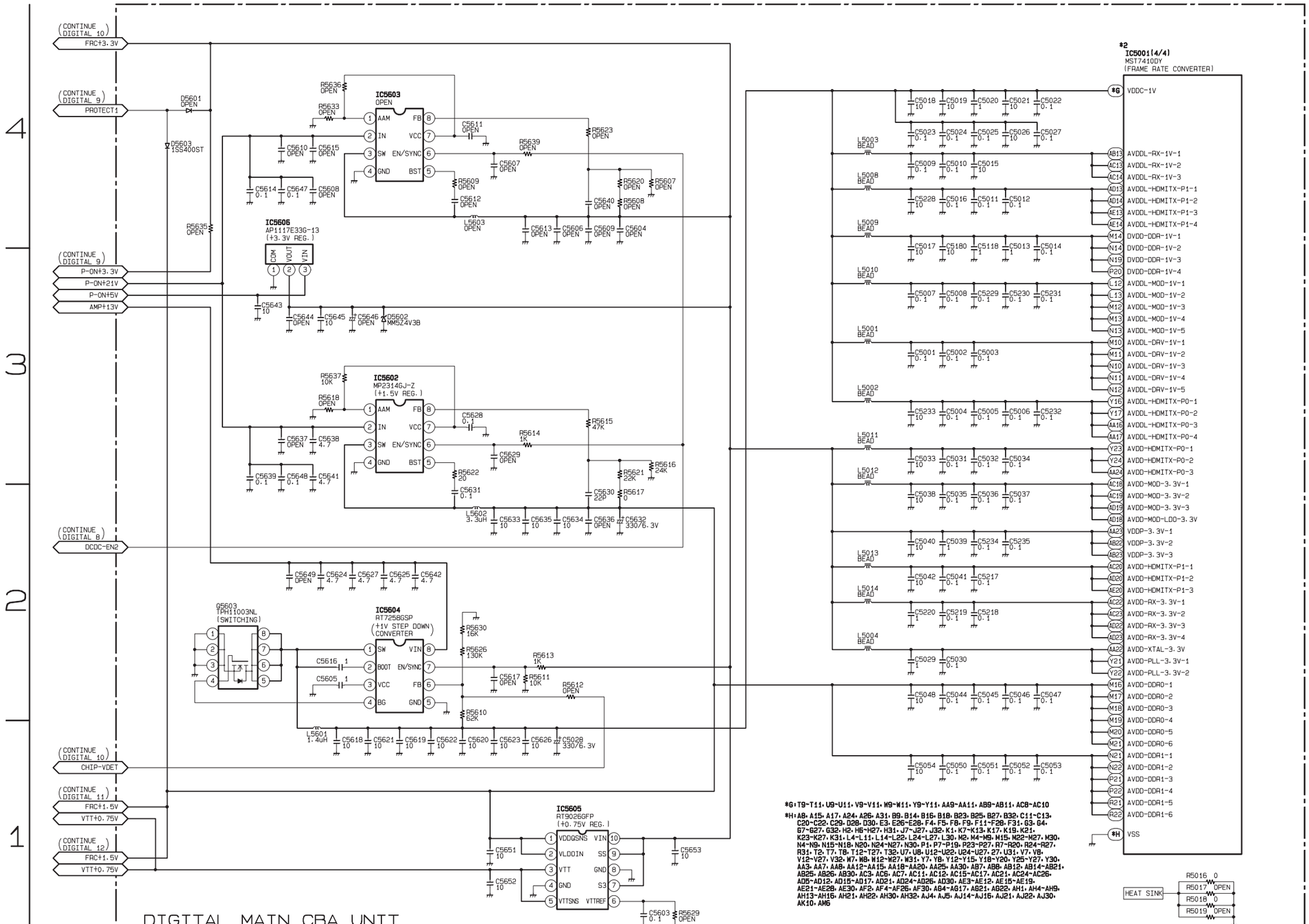
Digital Main 12 Schematic Diagram [TYPE A]

∗2 NOTE:
The order of pins shown in this diagram is different from that of actual IC5001.
IC5001 is divided into four and shown as IC5001 (1/4) ~ IC5001 (4/4) in this Digital Main Schematic Diagram Section.



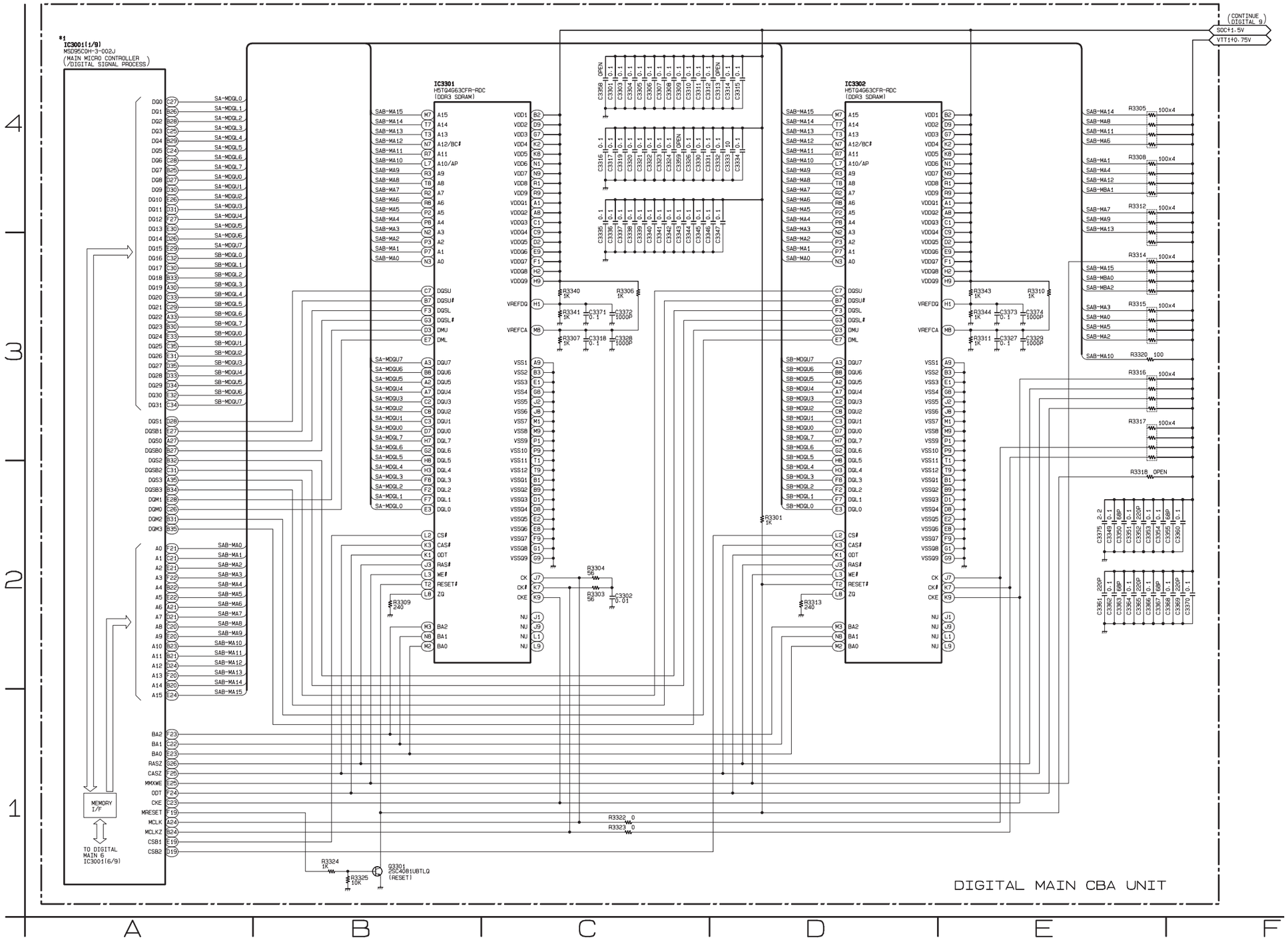
Digital Main 13 Schematic Diagram [TYPE A]

∗2 NOTE:
The order of pins shown in this diagram is different from that of actual IC5001.
IC5001 is divided into four and shown as IC5001 (1/4) ~ IC5001 (4/4) in this Digital Main Schematic Diagram Section.



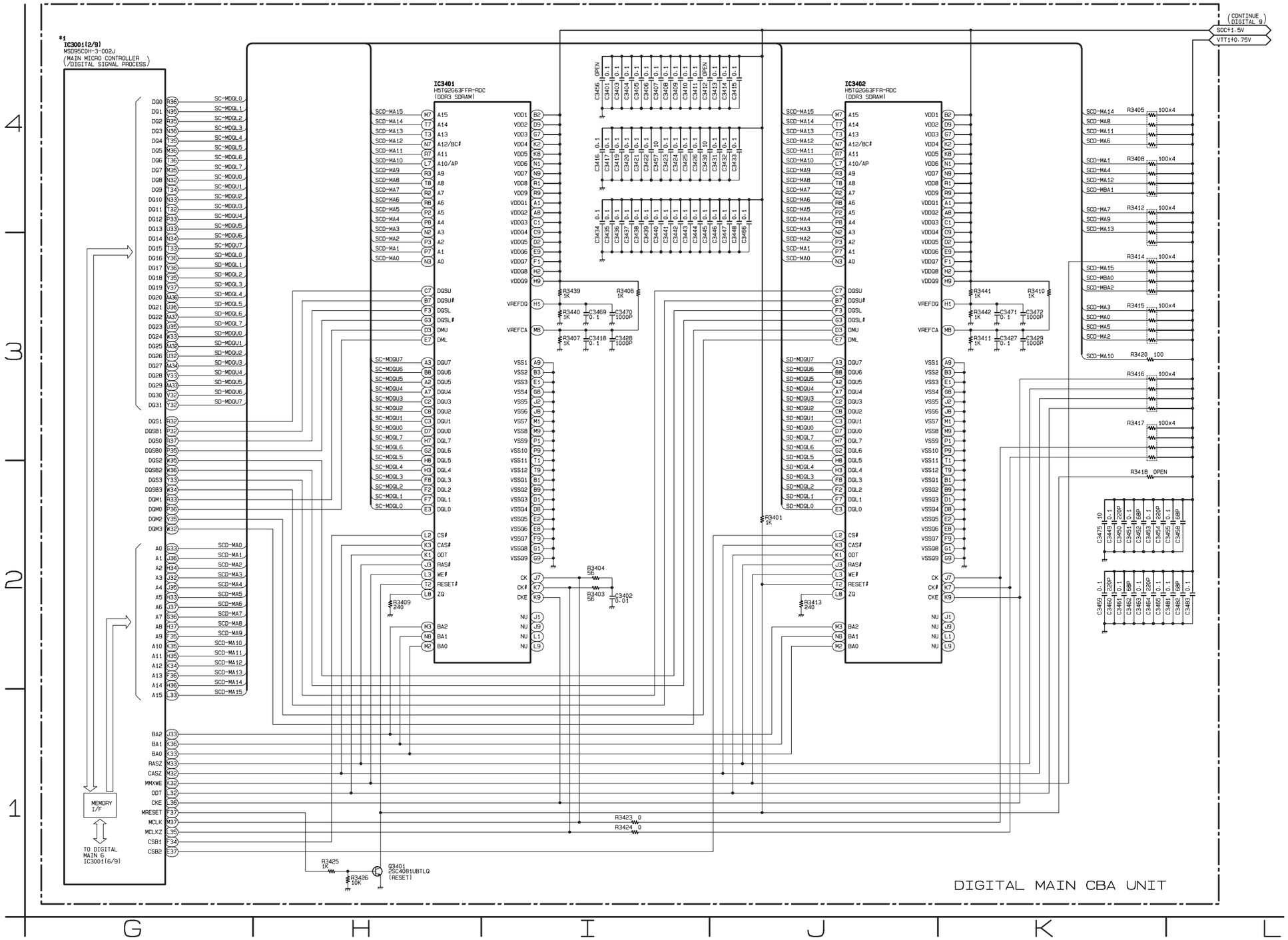
Digital Main 1 Schematic Diagram [TYPE B]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



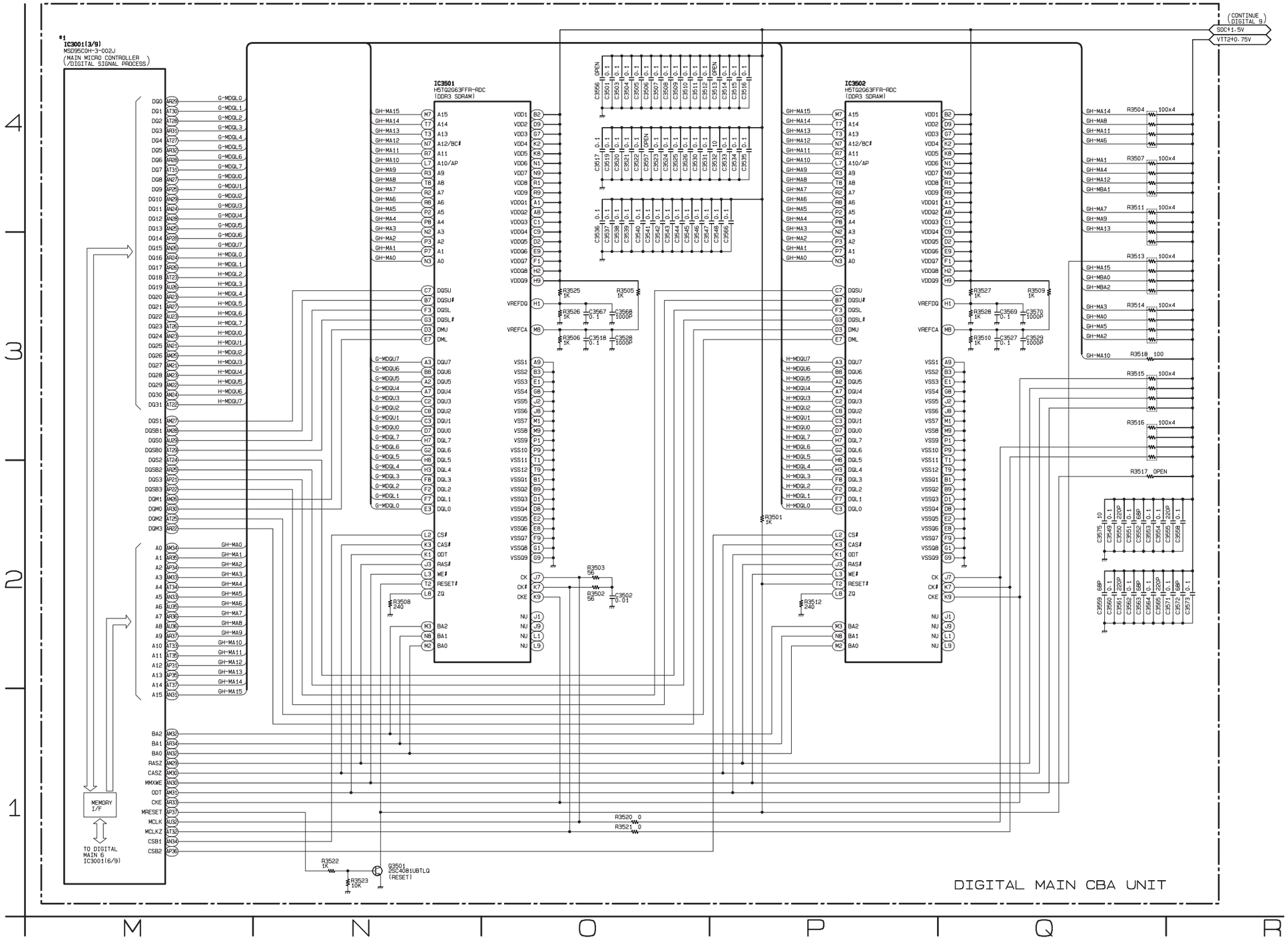
Digital Main 2 Schematic Diagram [TYPE B]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



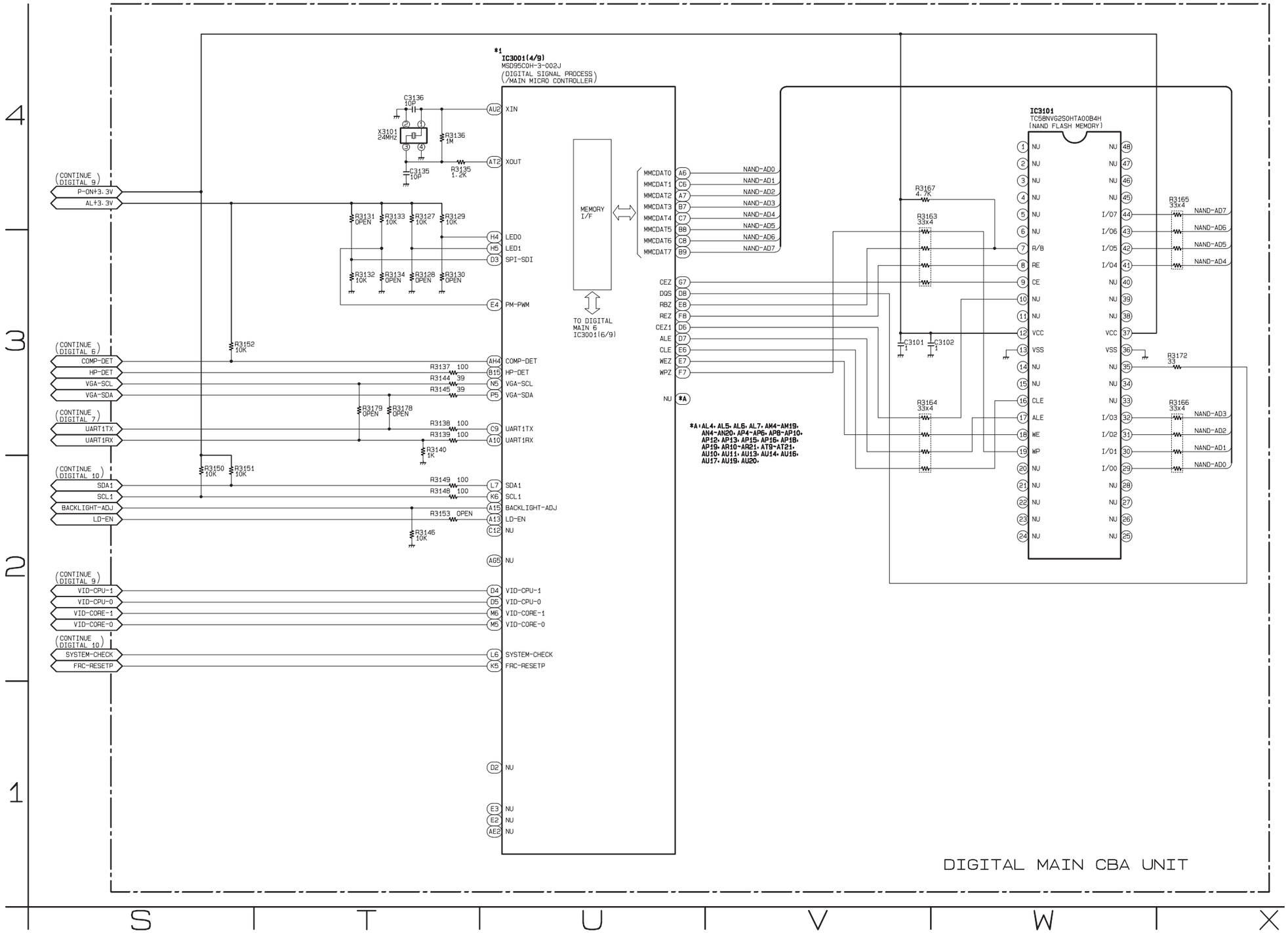
Digital Main 3 Schematic Diagram [TYPE B]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



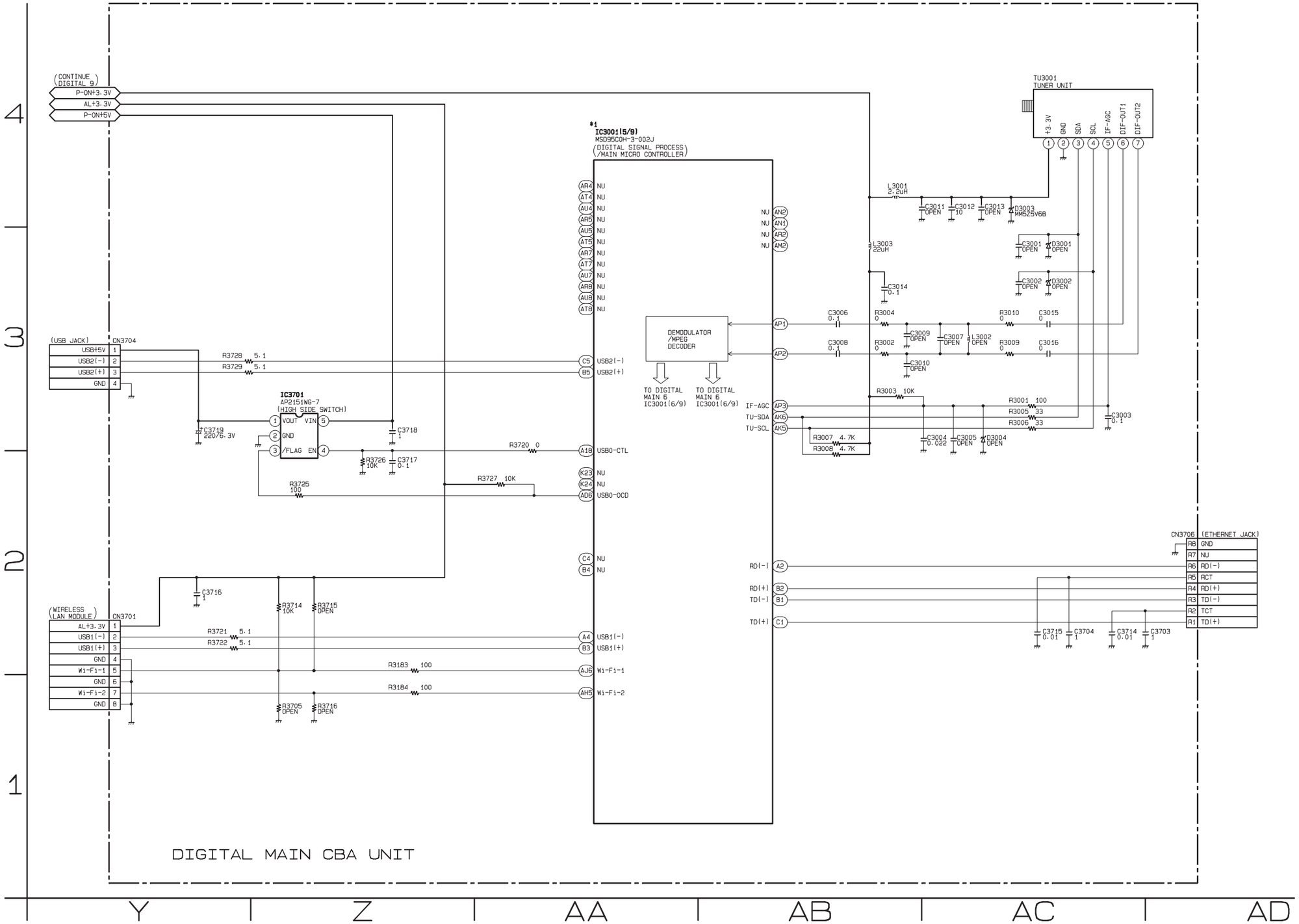
Digital Main 4 Schematic Diagram [TYPE B]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



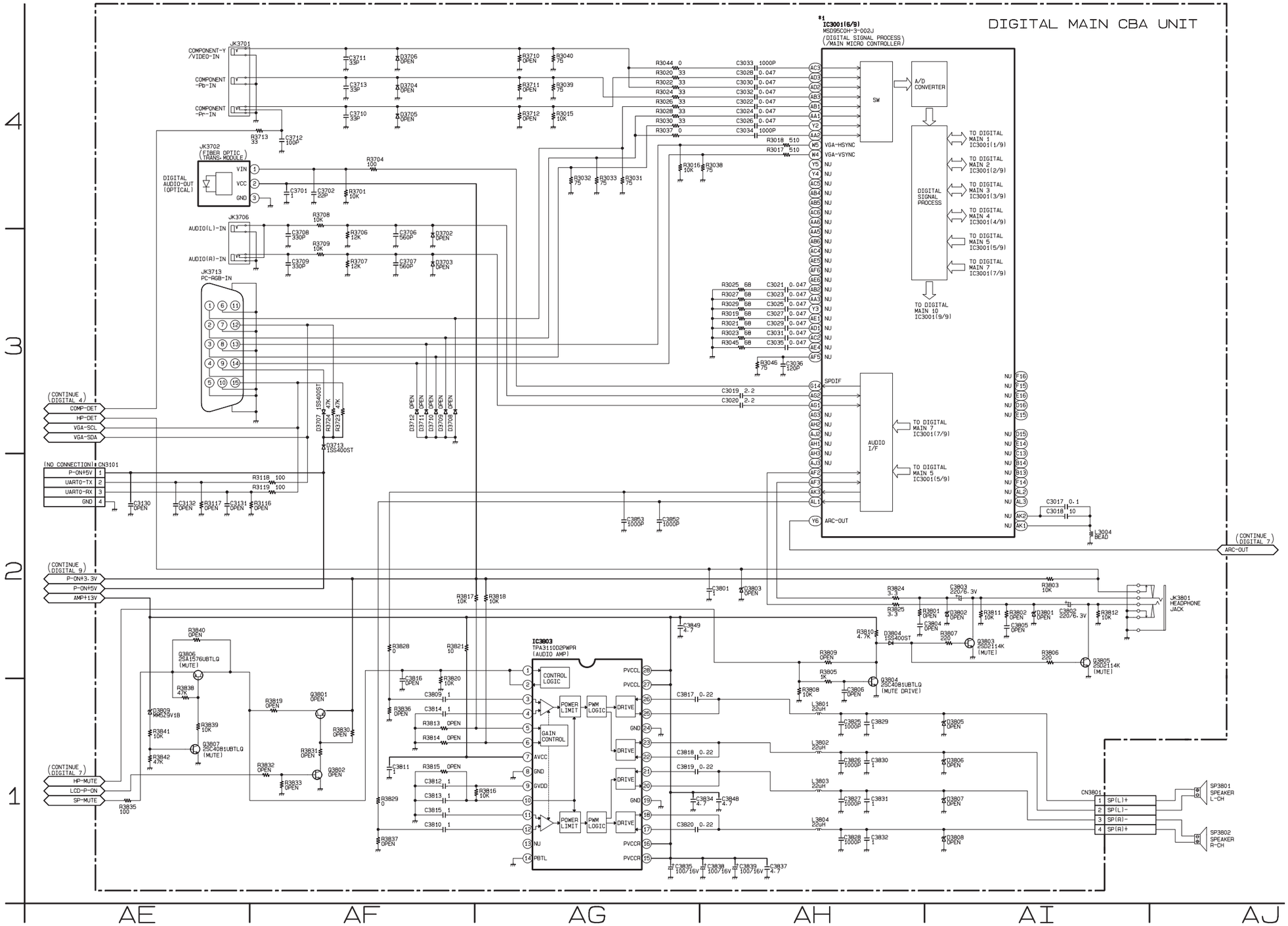
Digital Main 5 Schematic Diagram [TYPE B]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



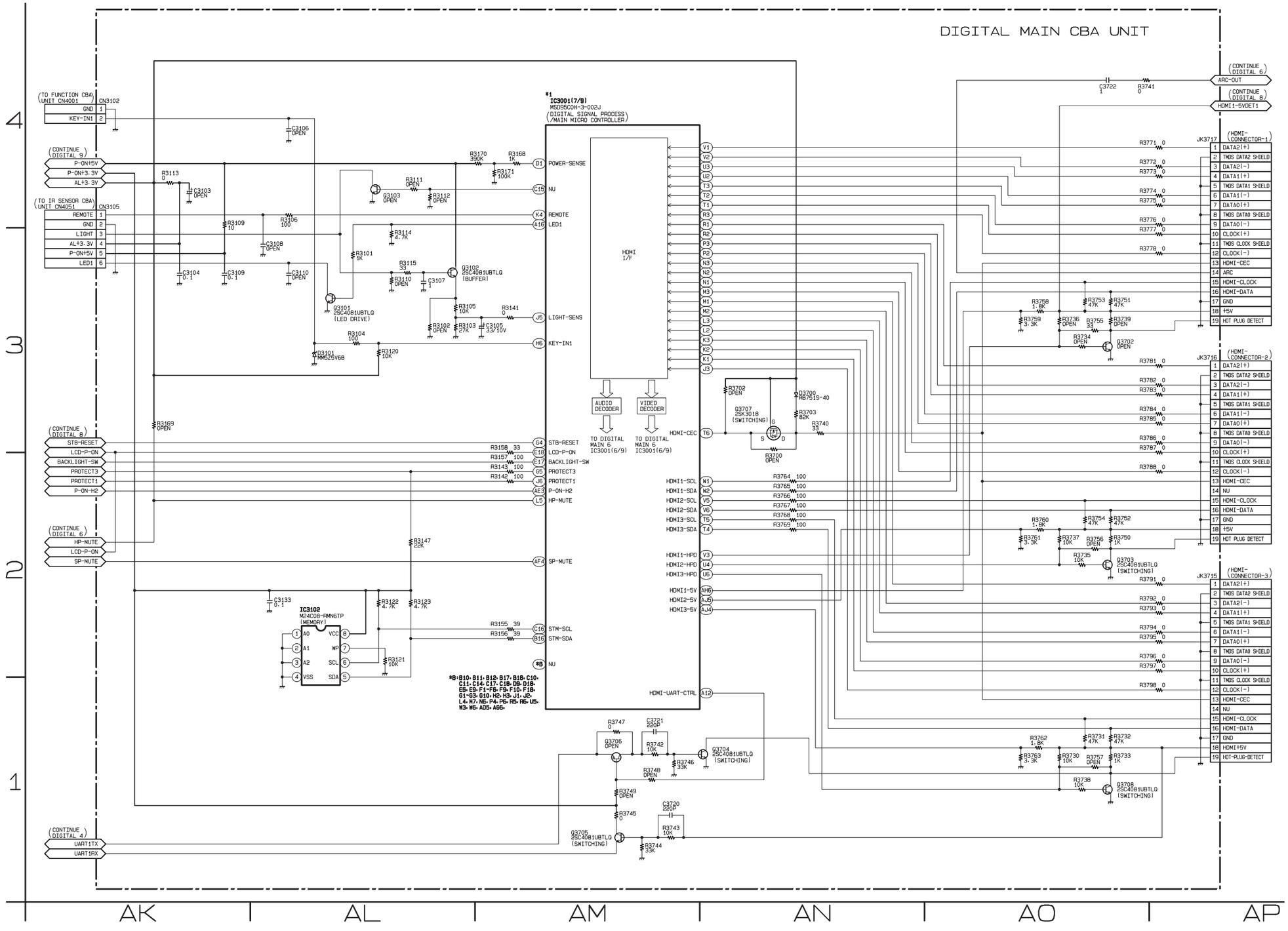
Digital Main 6 Schematic Diagram [TYPE B]

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



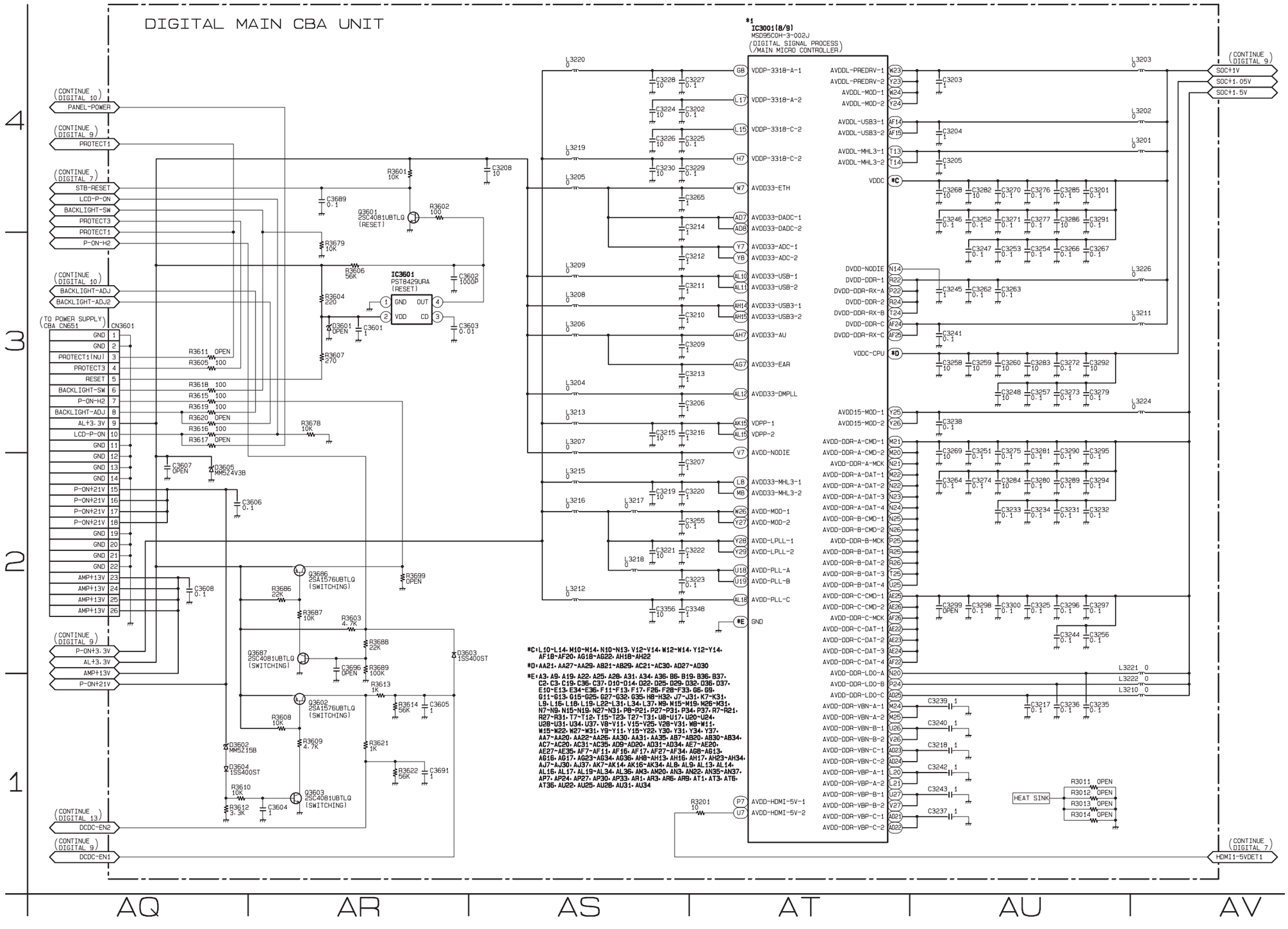
Digital Main 7 Schematic Diagram [TYPE B]

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.

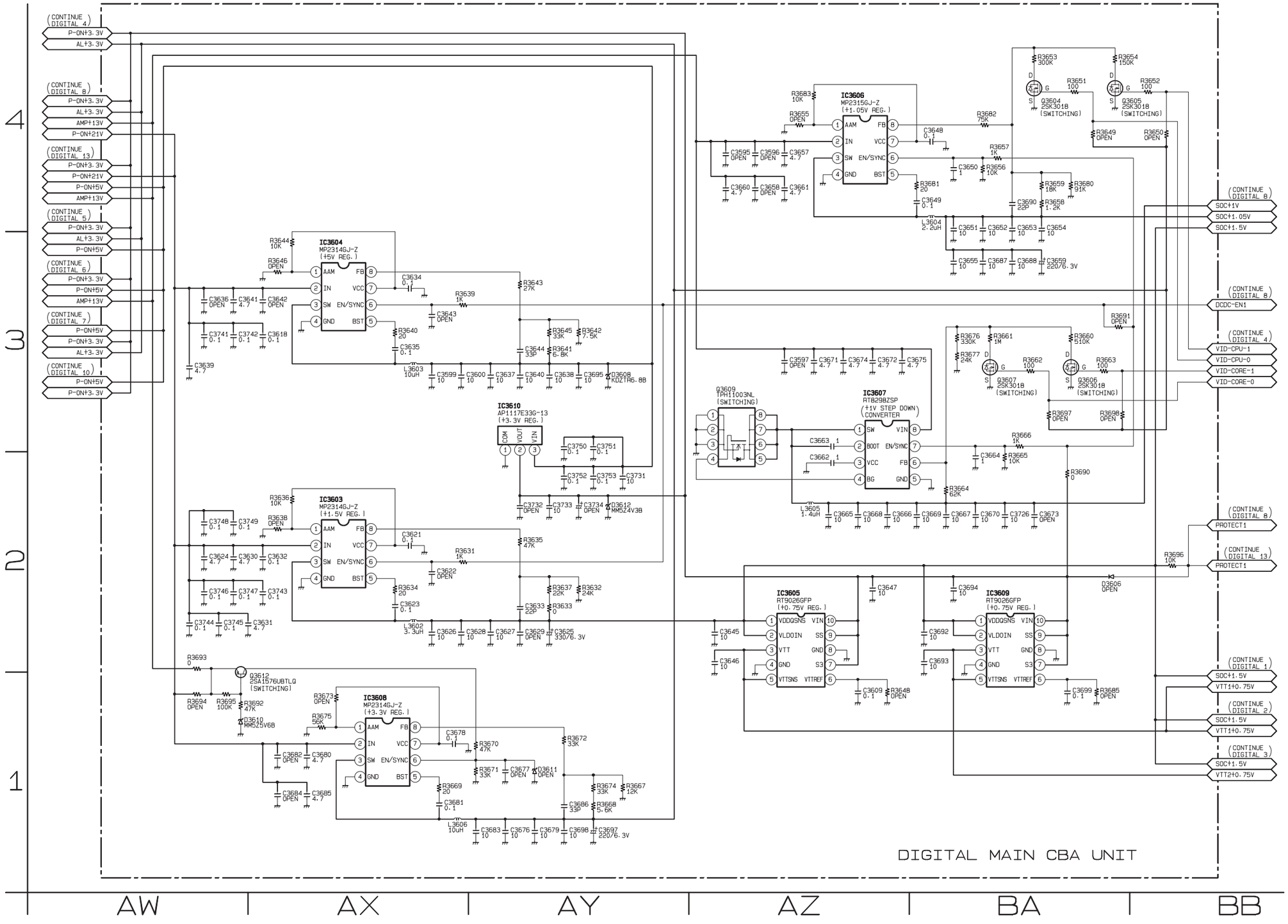


Digital Main 8 Schematic Diagram [TYPE B]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



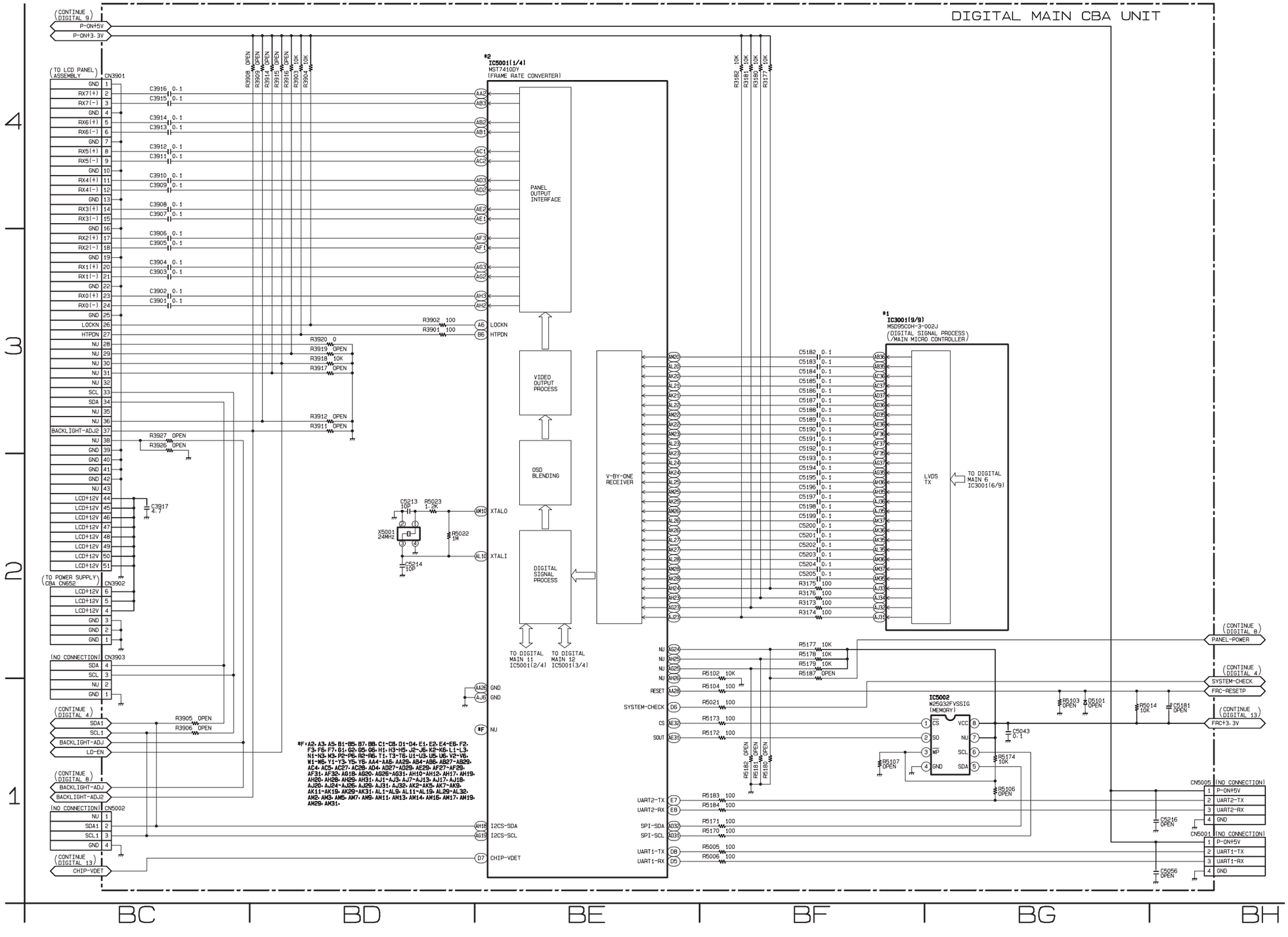
Digital Main 9 Schematic Diagram [TYPE B]



Digital Main 10 Schematic Diagram [TYPE B]

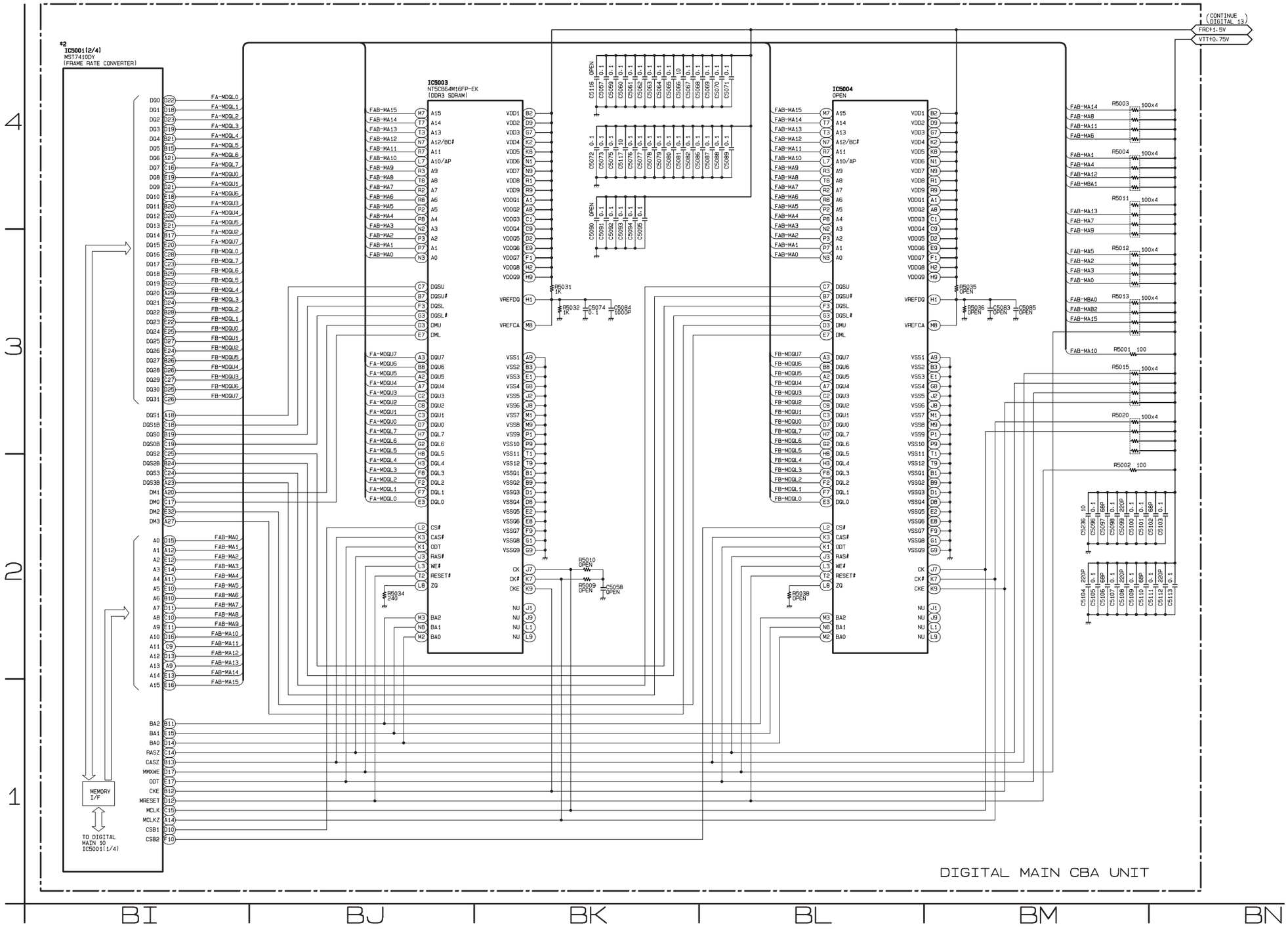
∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.

∗2 NOTE:
The order of pins shown in this diagram is different from that of actual IC5001.
IC5001 is divided into four and shown as IC5001 (1/4) ~ IC5001 (4/4) in this Digital Main Schematic Diagram Section.



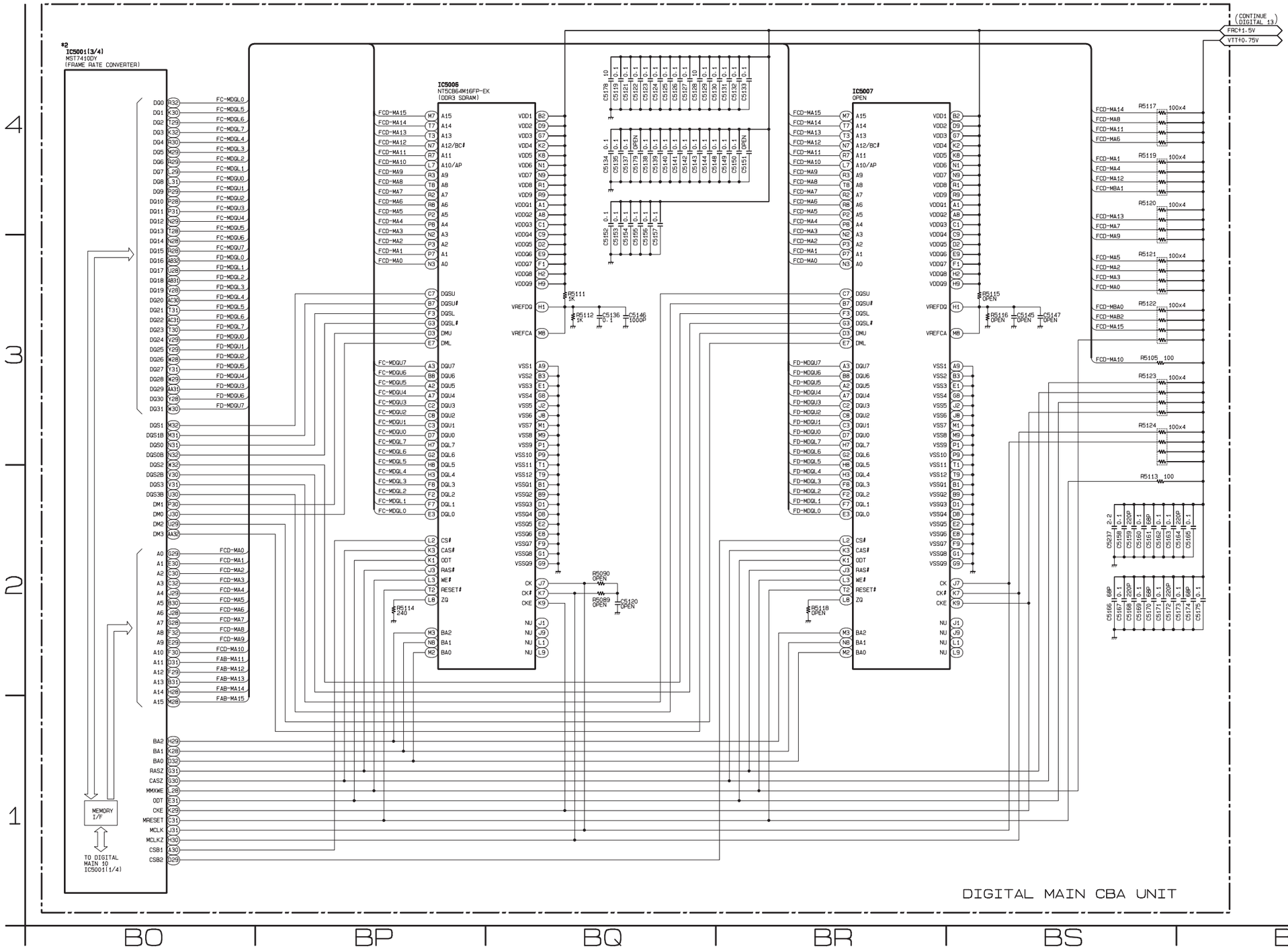
Digital Main 11 Schematic Diagram [TYPE B]

∗2 NOTE:
The order of pins shown in this diagram is different from that of actual IC5001.
IC5001 is divided into four and shown as IC5001 (1/4) ~ IC5001 (4/4) in this Digital Main Schematic Diagram Section.



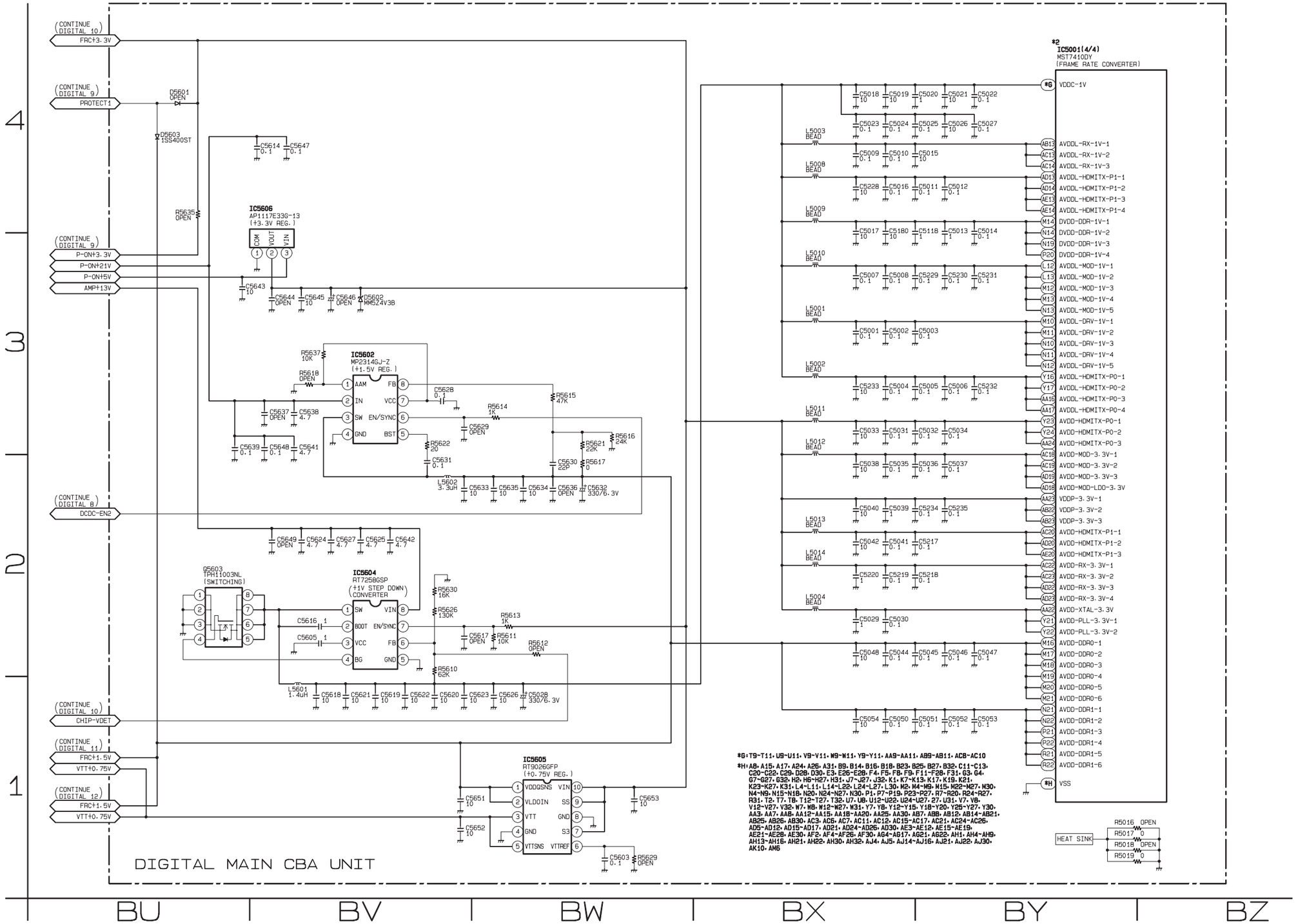
Digital Main 12 Schematic Diagram [TYPE B]

∗2 NOTE:
The order of pins shown in this diagram is different from that of actual IC5001.
IC5001 is divided into four and shown as IC5001 (1/4) ~ IC5001 (4/4) in this Digital Main Schematic Diagram Section.



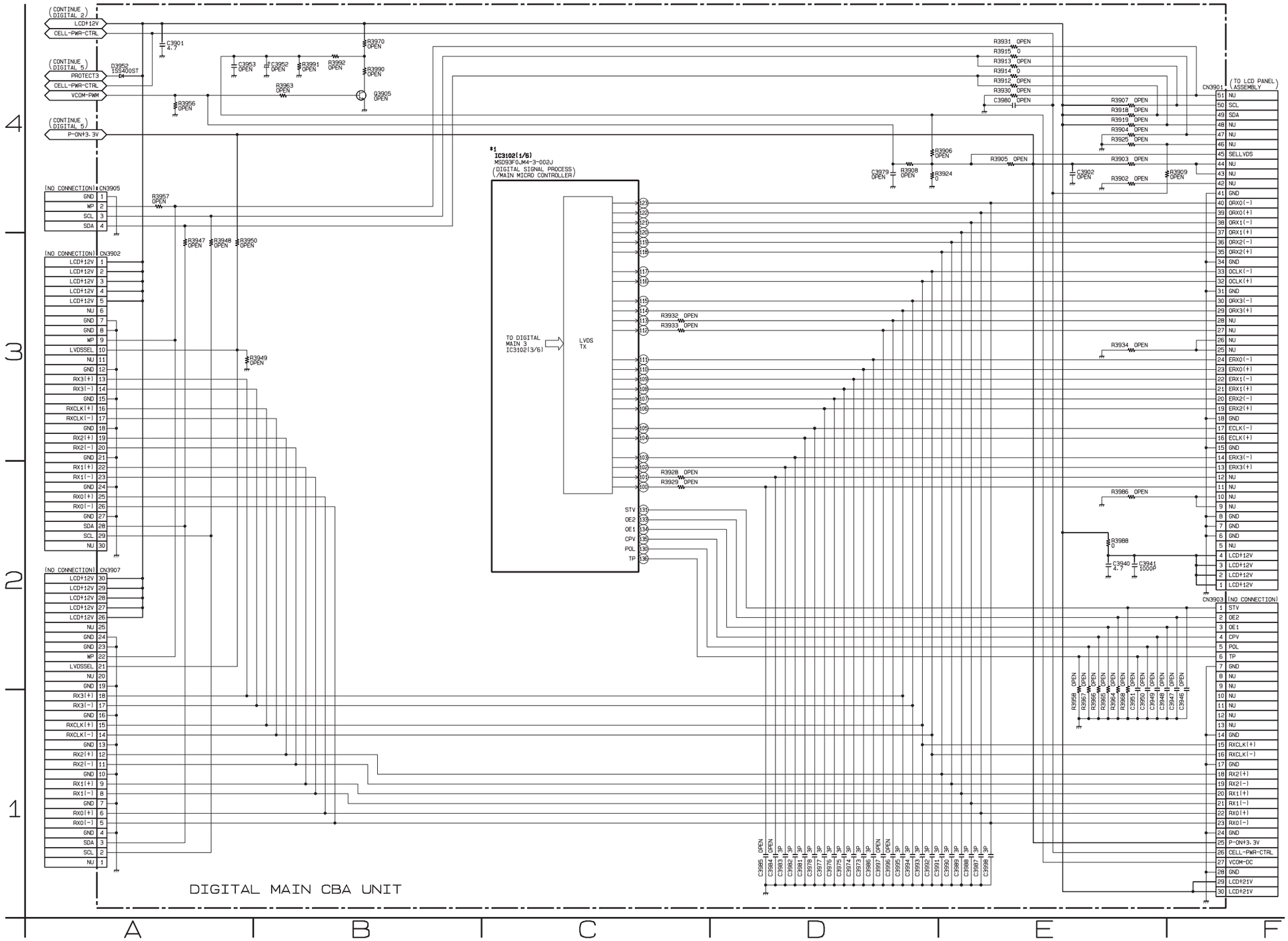
Digital Main 13 Schematic Diagram [TYPE B]

∗2 NOTE:
The order of pins shown in this diagram is different from that of actual IC5001.
IC5001 is divided into four and shown as IC5001 (1/4) ~ IC5001 (4/4) in this Digital Main Schematic Diagram Section.



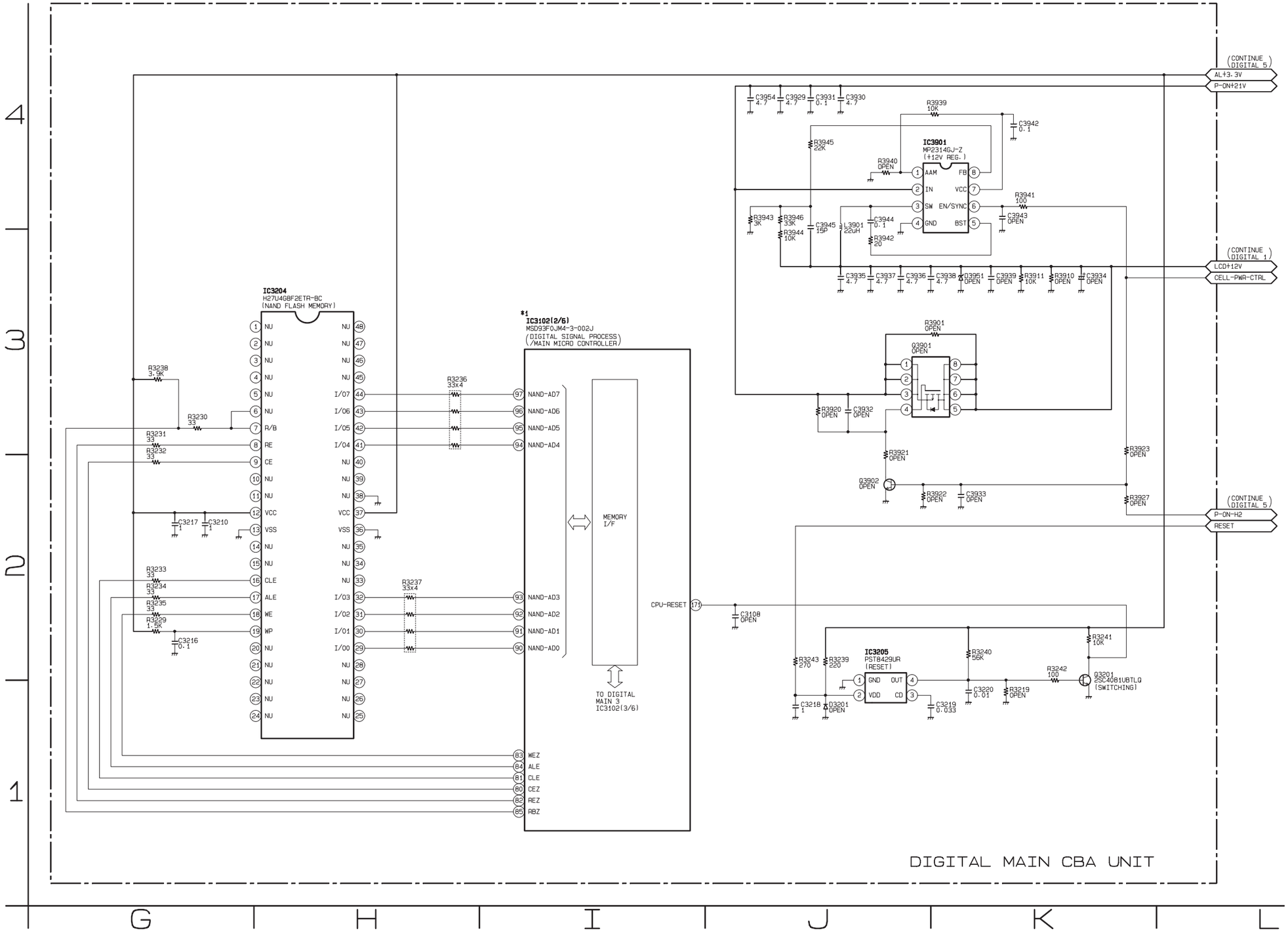
Digital Main 1 Schematic Diagram [TYPE C, E]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3102.
IC3102 is divided into six and shown as IC3102 (1/6) ~ IC3102 (6/6) in this Digital Main Schematic Diagram Section.



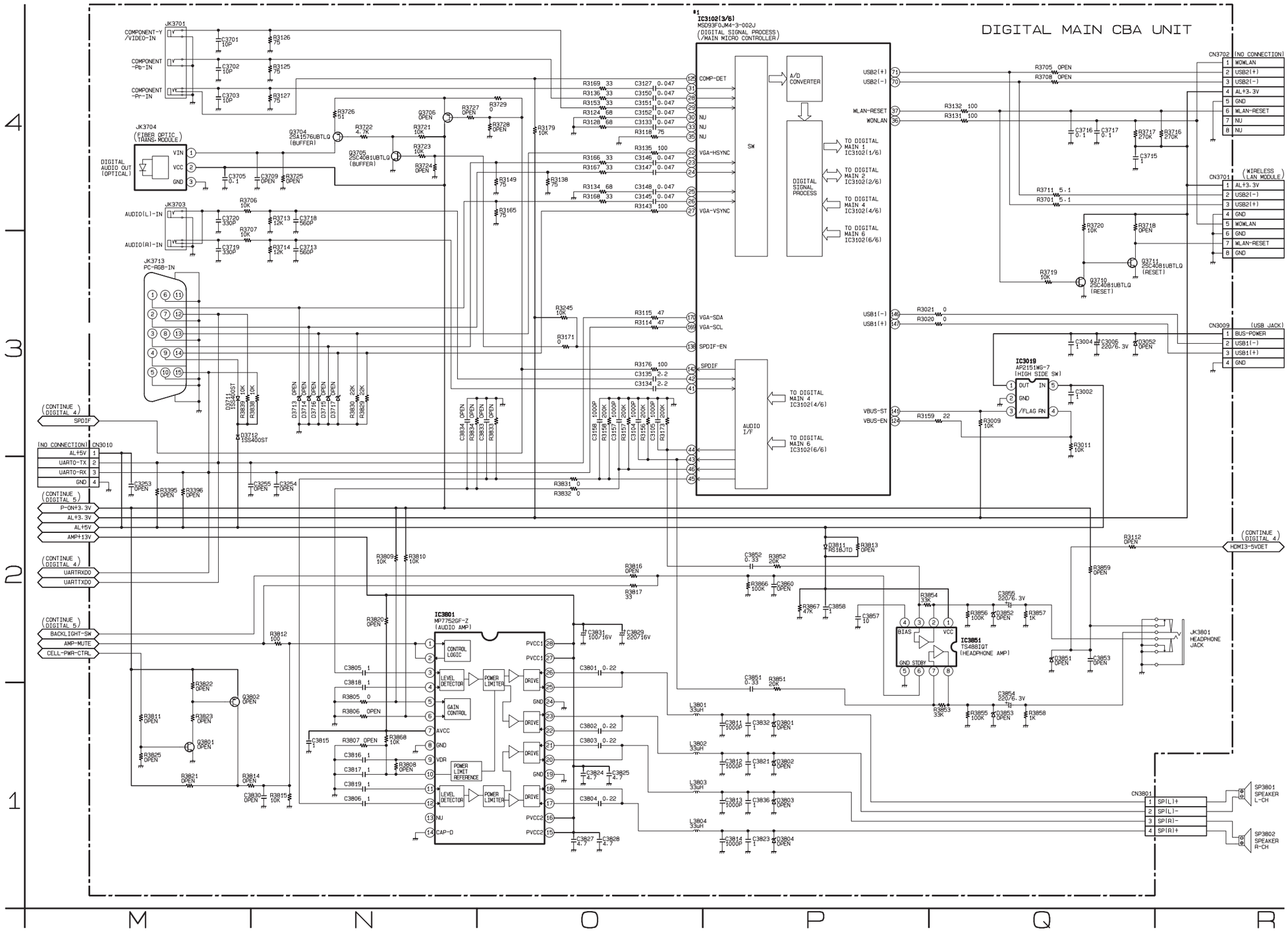
Digital Main 2 Schematic Diagram [TYPE C, E]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3102.
IC3102 is divided into six and shown as IC3102 (1/6) ~ IC3102 (6/6) in this Digital Main Schematic Diagram Section.



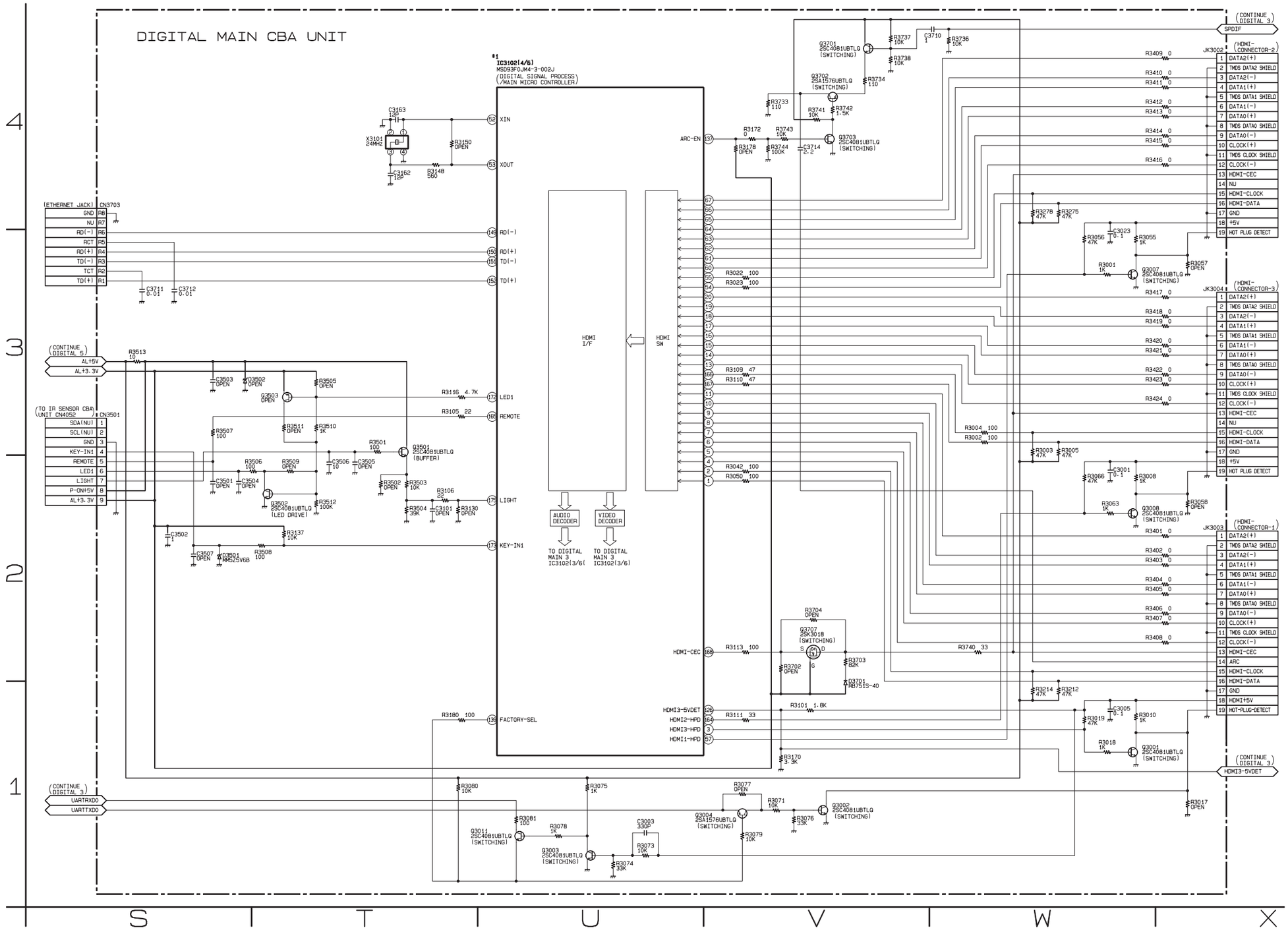
Digital Main 3 Schematic Diagram [TYPE C, E]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3102.
IC3102 is divided into six and shown as IC3102 (1/6) ~ IC3102 (6/6) in this Digital Main Schematic Diagram Section.



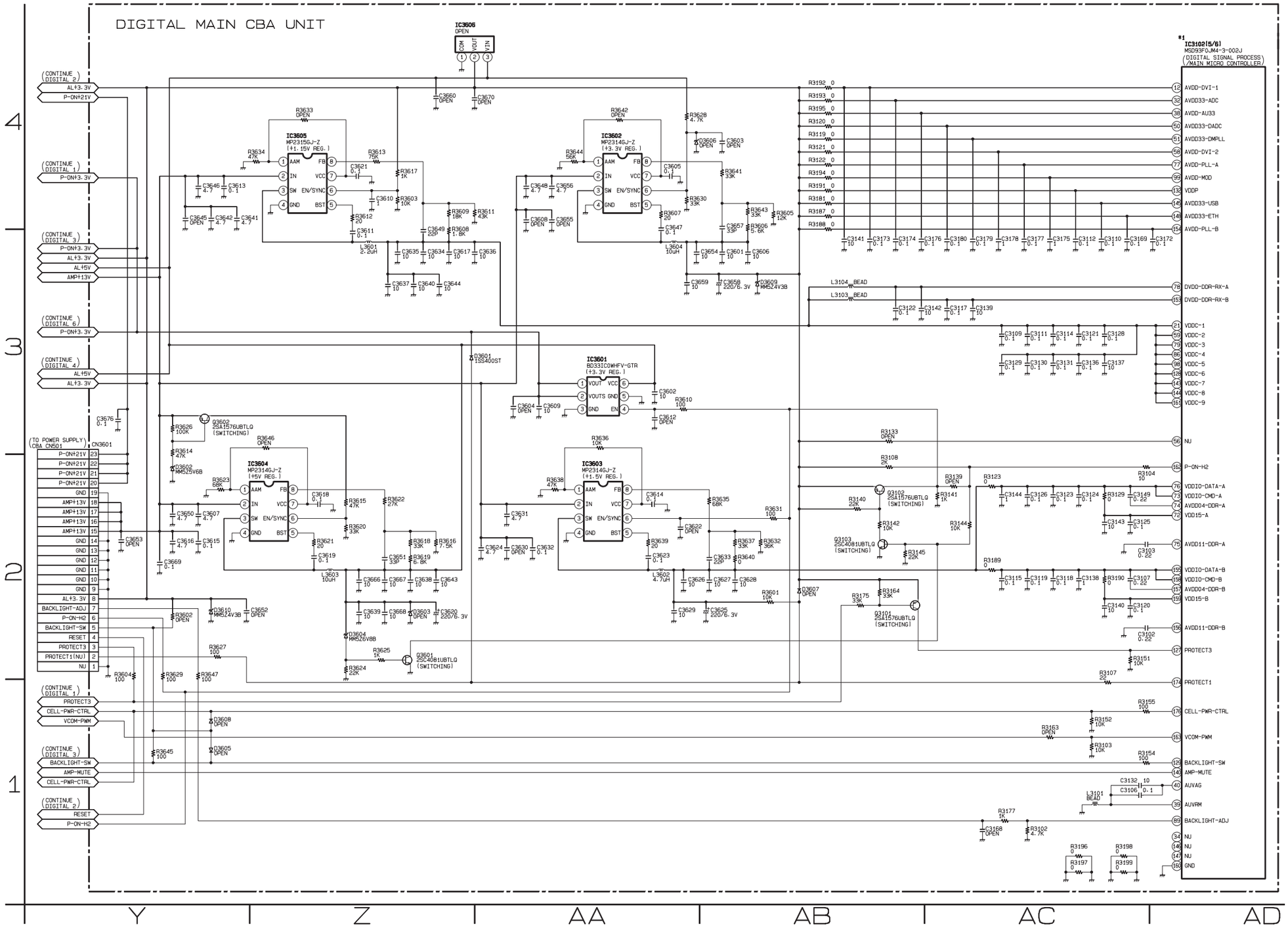
Digital Main 4 Schematic Diagram [TYPE C, E]

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3102.
IC3102 is divided into six and shown as IC3102 (1/6) ~ IC3102 (6/6) in this Digital Main Schematic Diagram Section.



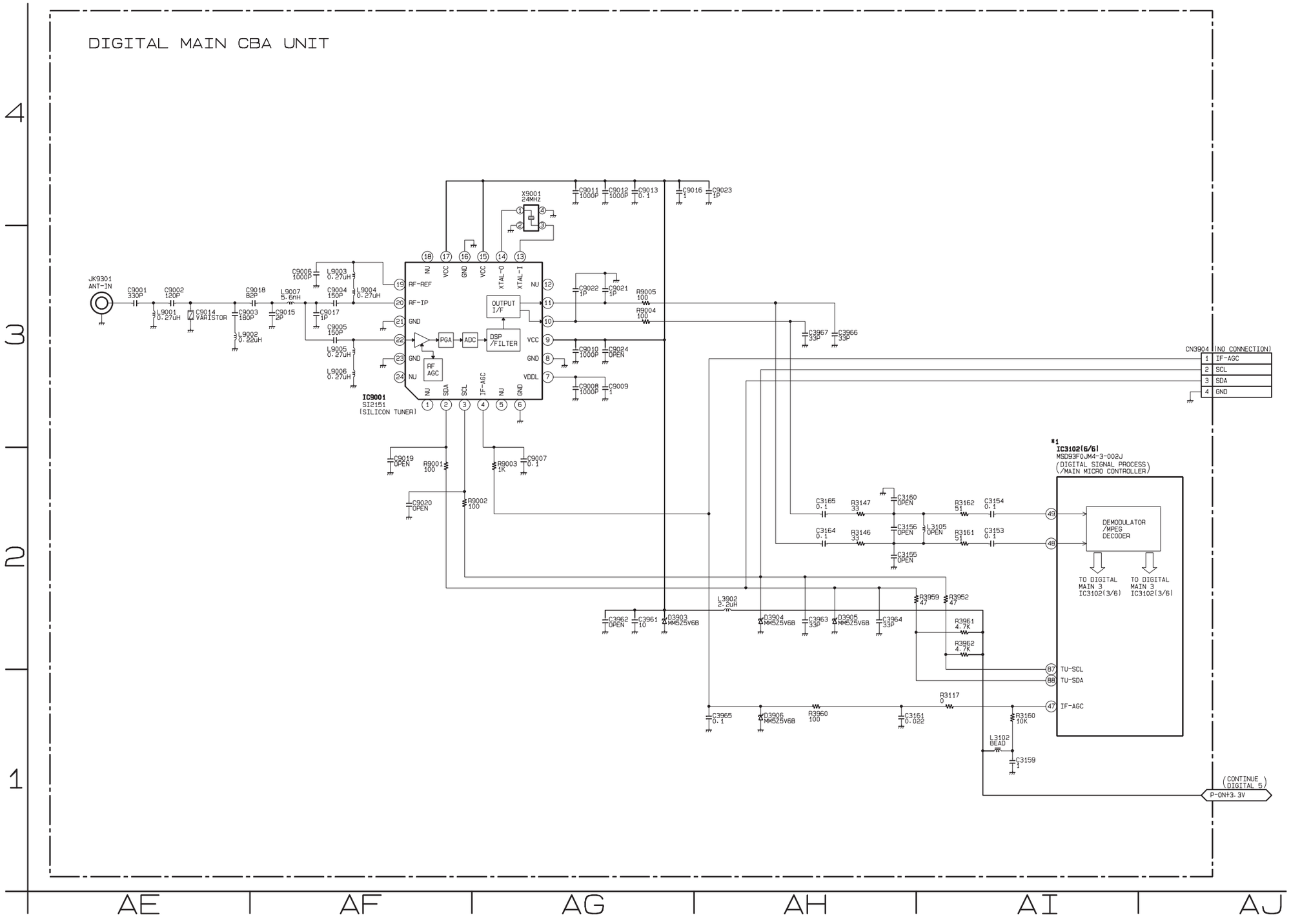
Digital Main 5 Schematic Diagram [TYPE C, E]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3102.
IC3102 is divided into six and shown as IC3102 (1/6) ~ IC3102 (6/6) in this Digital Main Schematic Diagram Section.



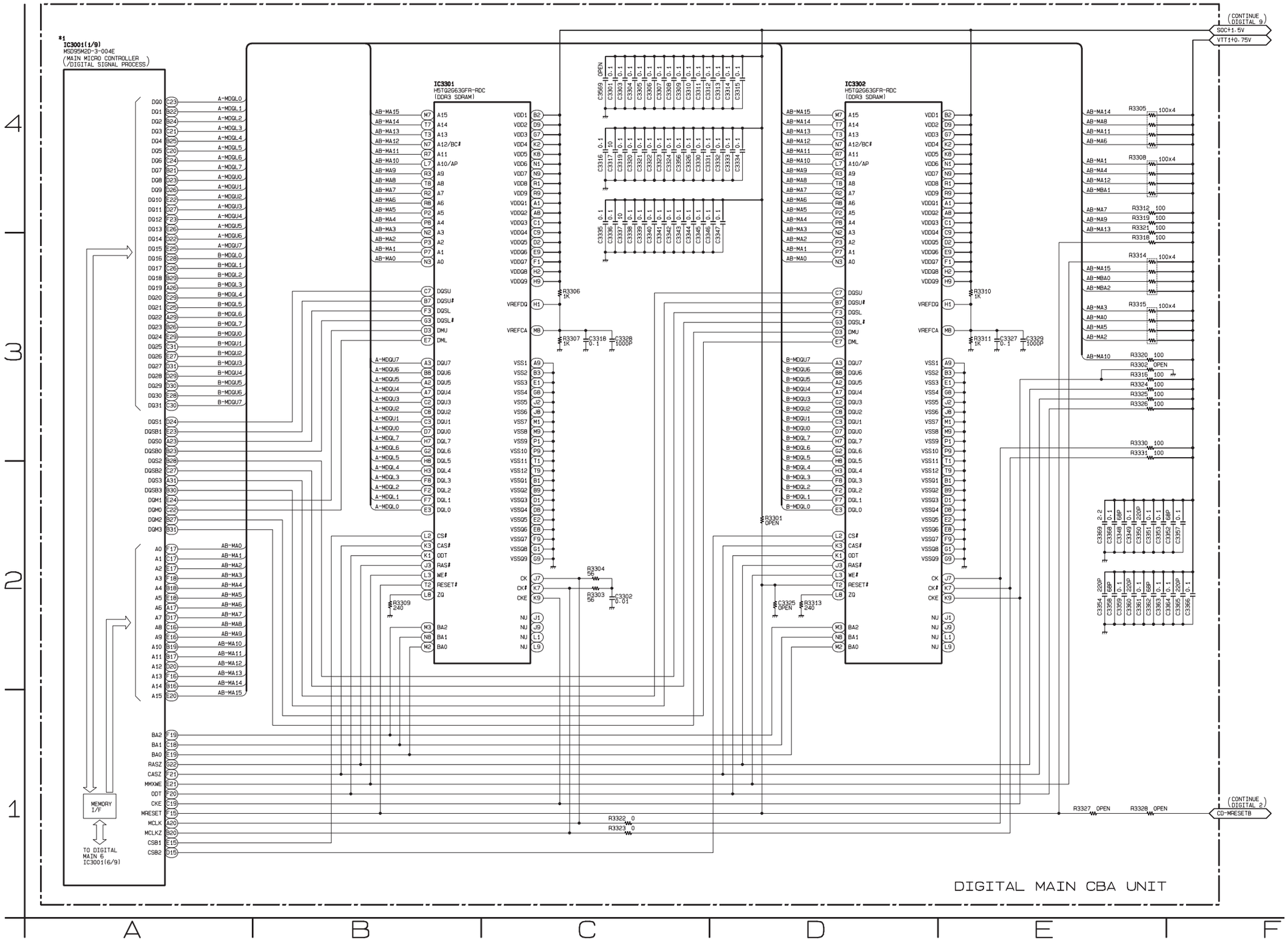
Digital Main 6 Schematic Diagram [TYPE C, E]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3102.
IC3102 is divided into six and shown as IC3102 (1/6) ~ IC3102 (6/6) in this Digital Main Schematic Diagram Section.



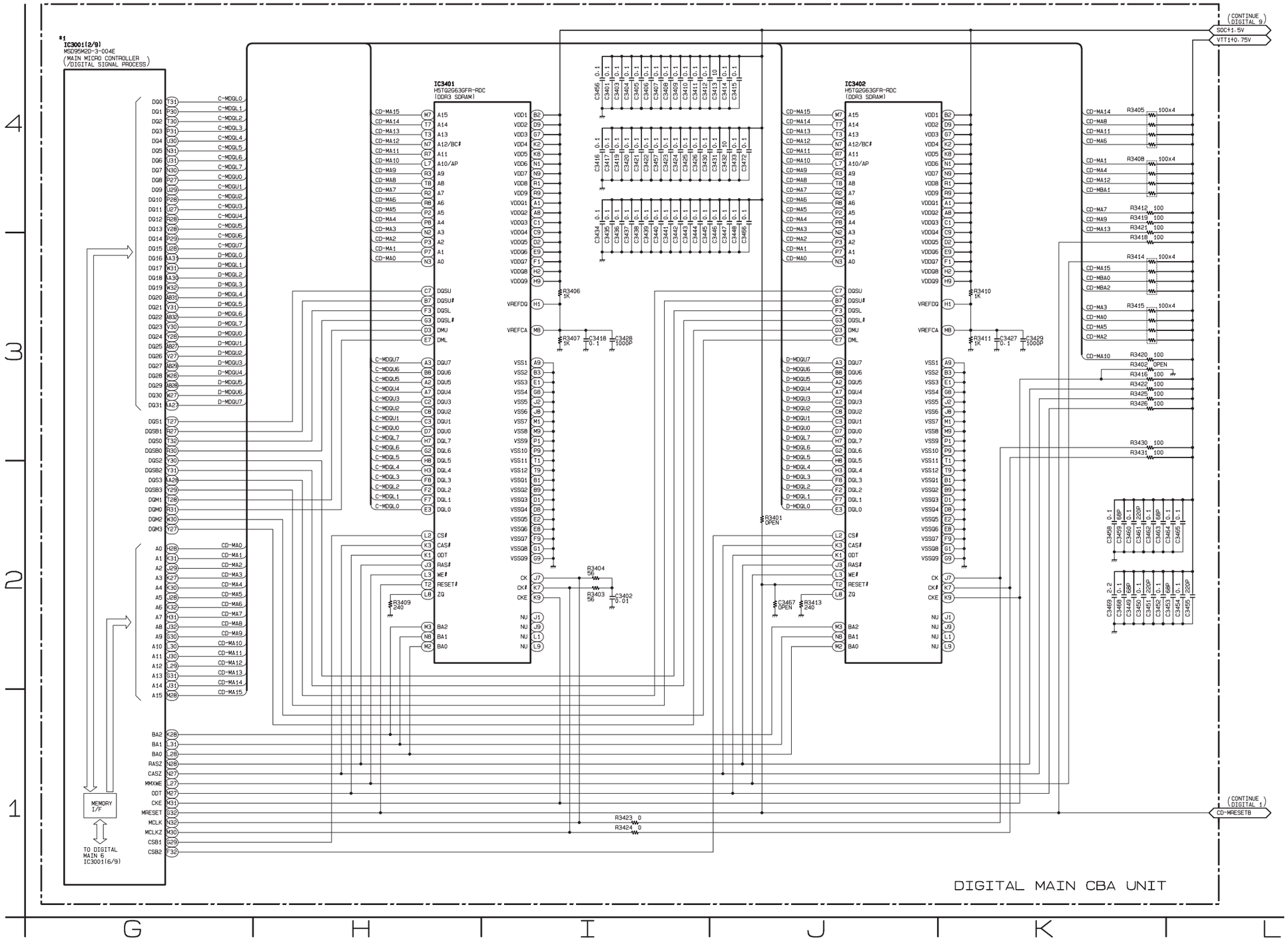
Digital Main 1 Schematic Diagram [TYPE D, F]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



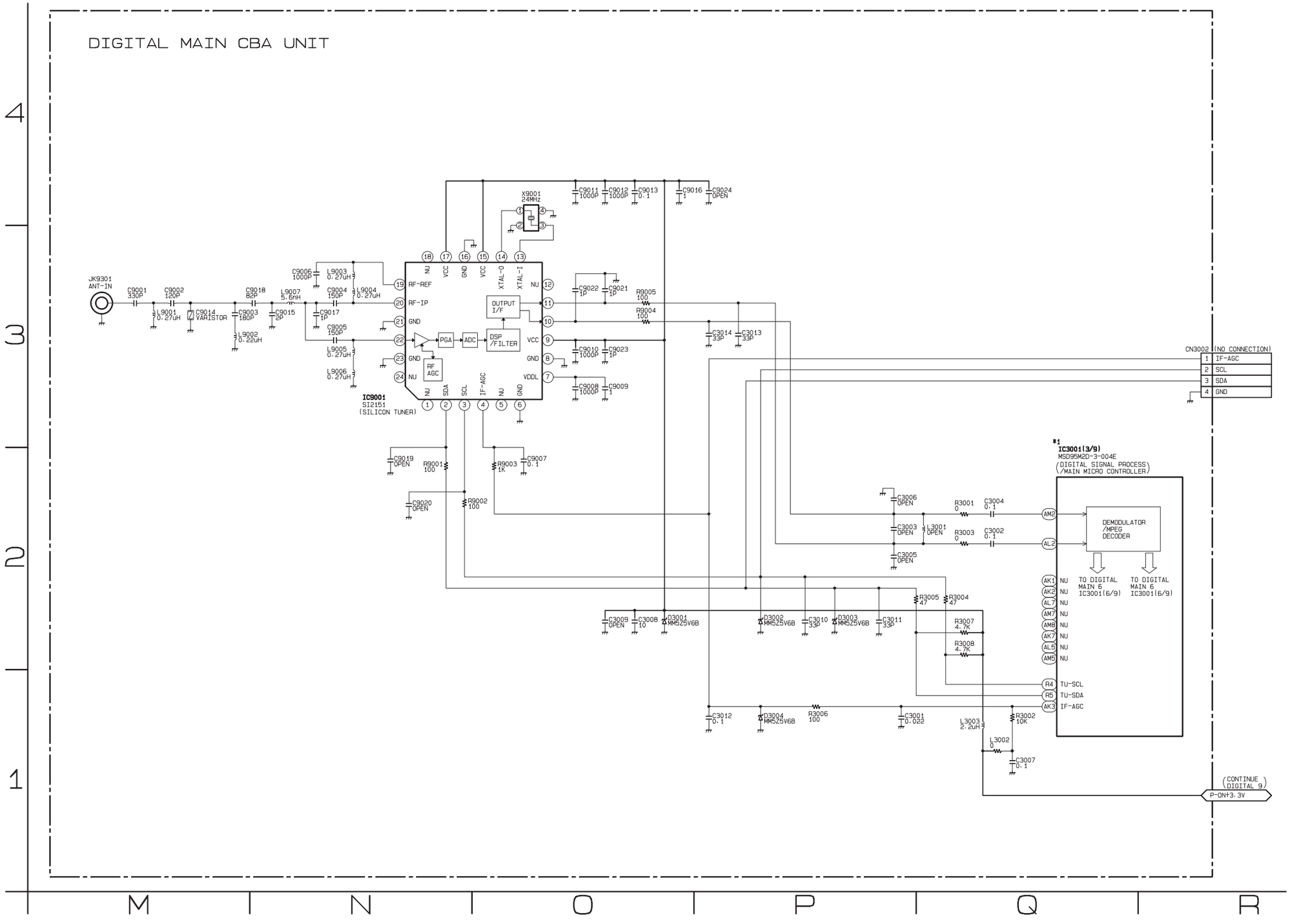
Digital Main 2 Schematic Diagram [TYPE D, F]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



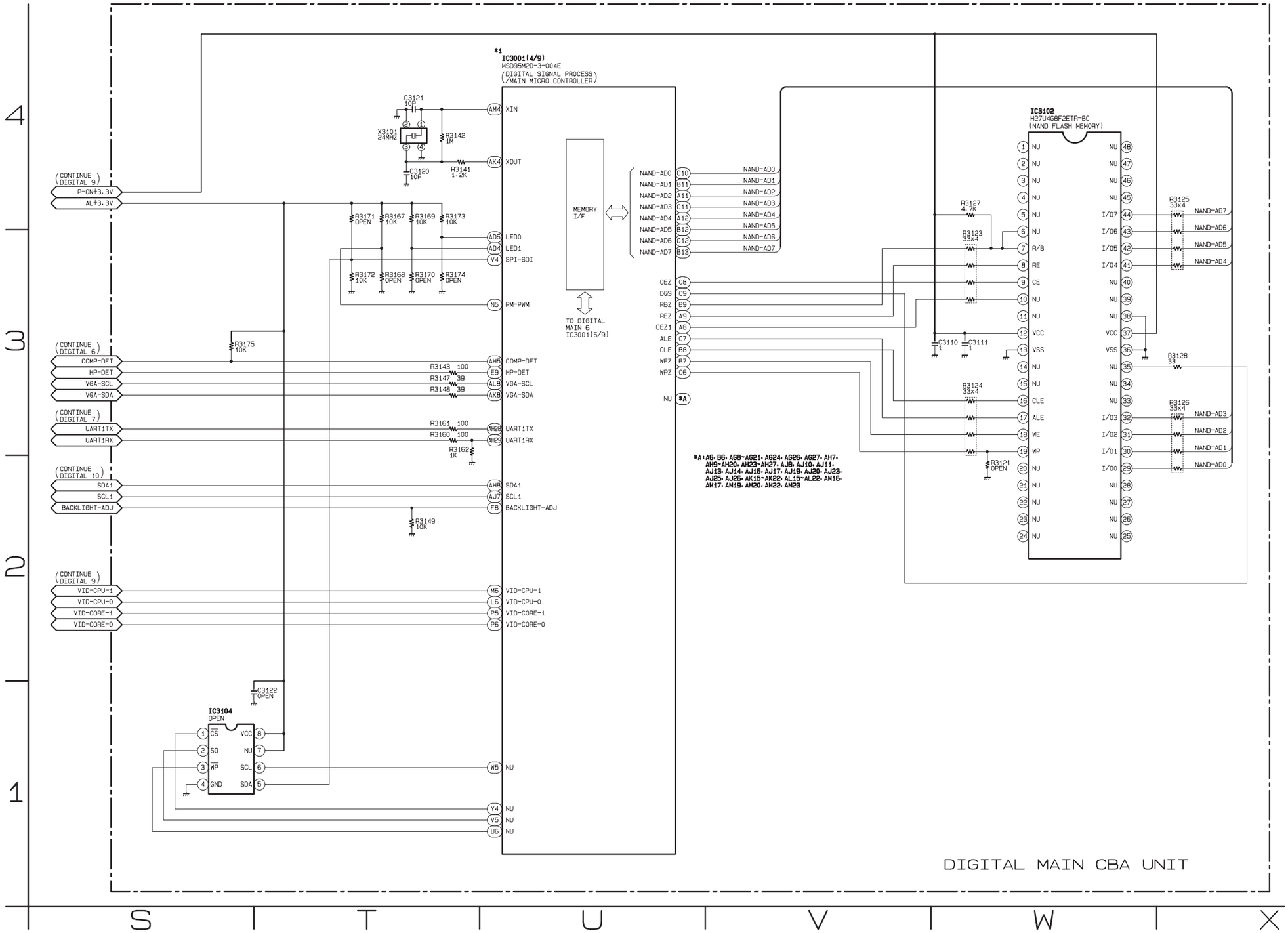
Digital Main 3 Schematic Diagram [TYPE D, F]

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



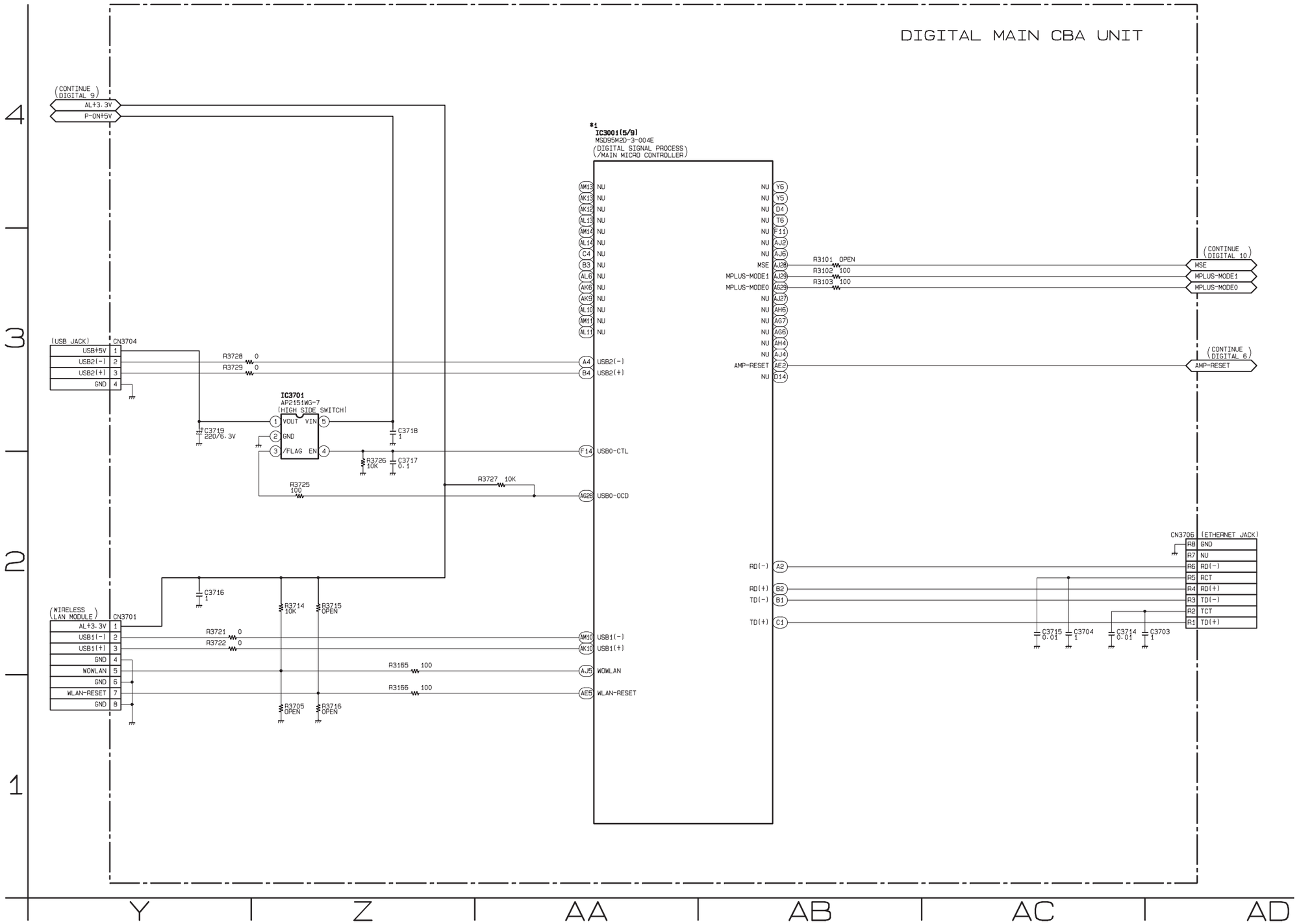
Digital Main 4 Schematic Diagram [TYPE D, F]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



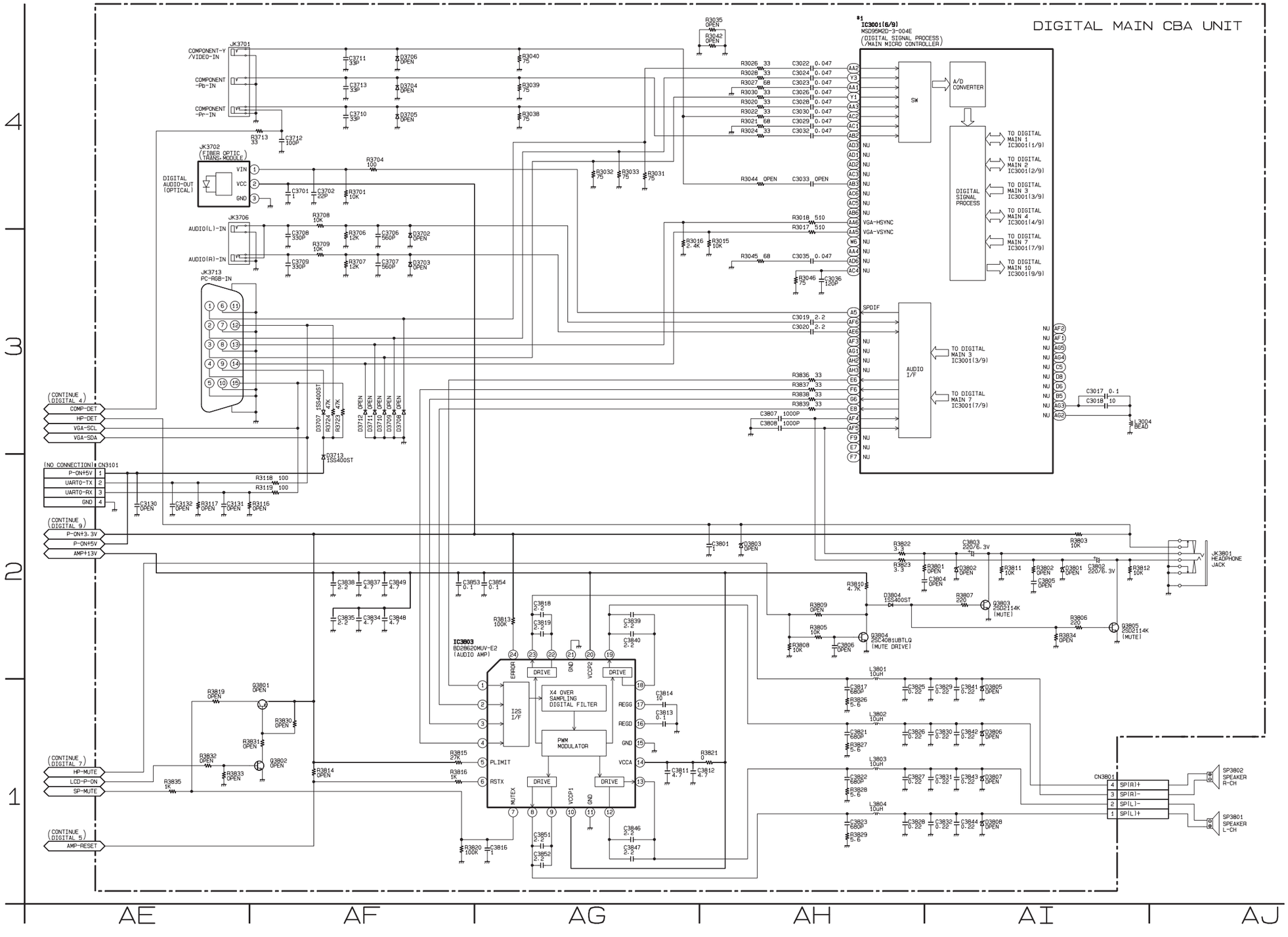
Digital Main 5 Schematic Diagram [TYPE D, F]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



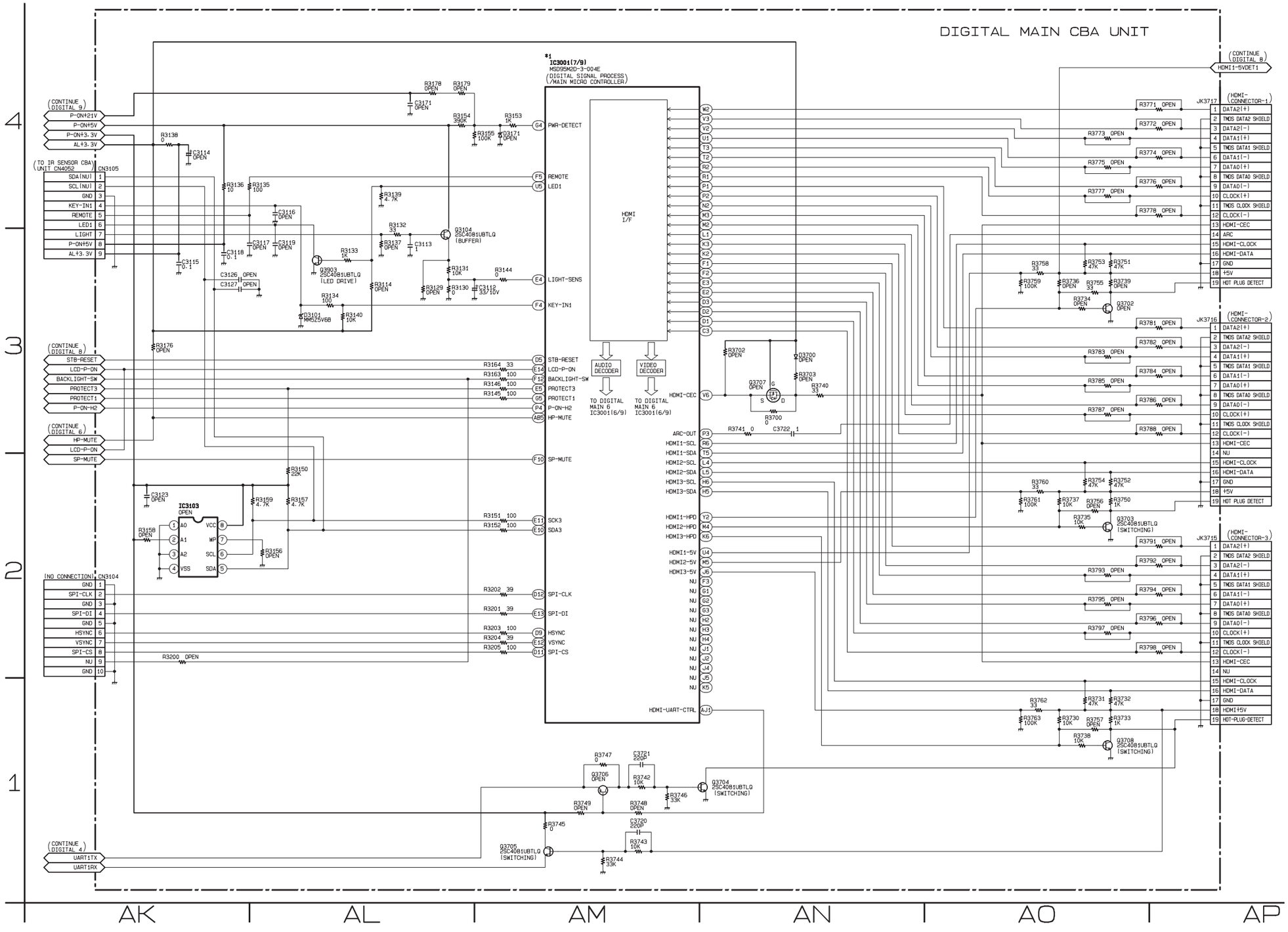
Digital Main 6 Schematic Diagram [TYPE D, F]

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



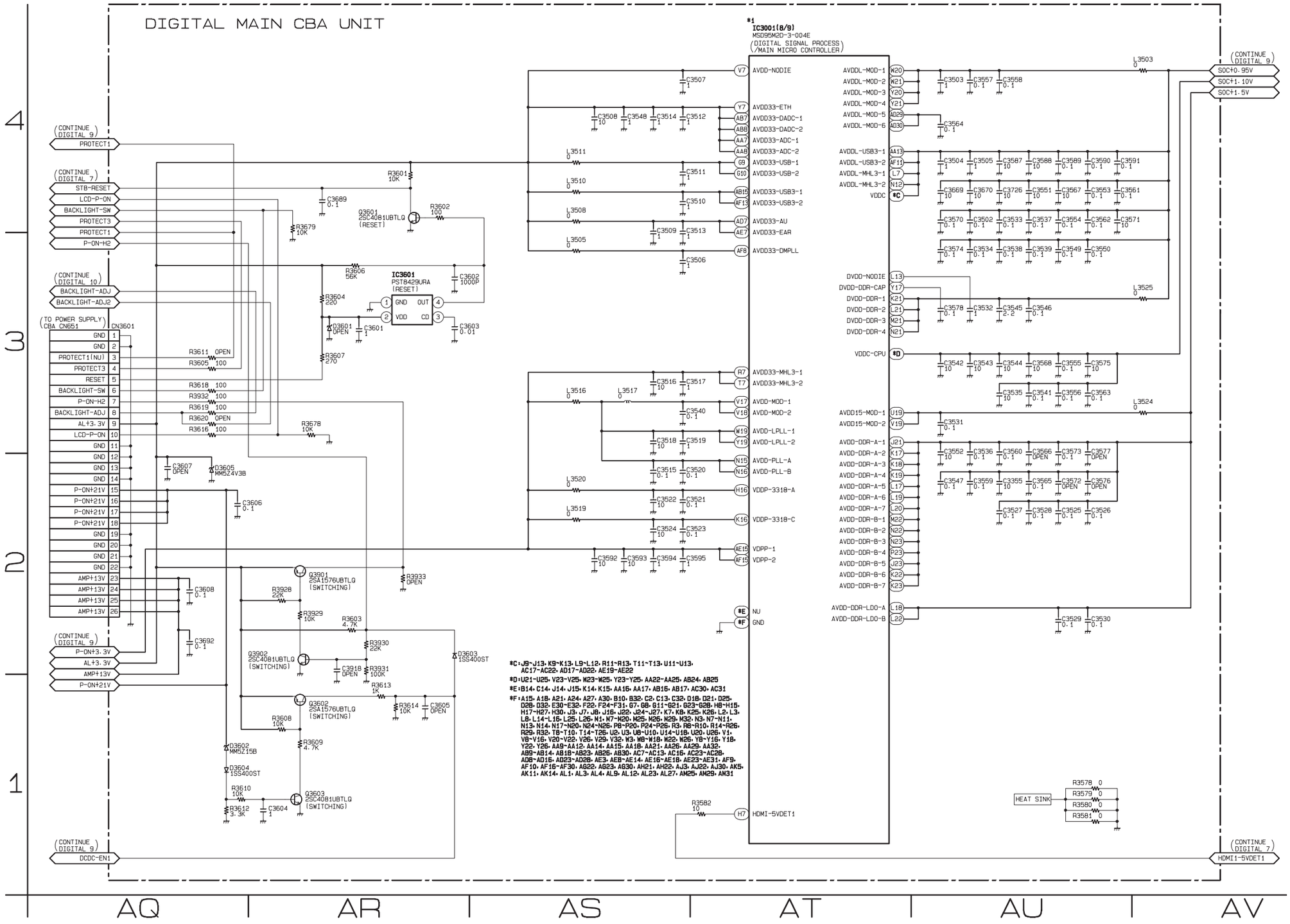
Digital Main 7 Schematic Diagram [TYPE D, F]

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



Digital Main 8 Schematic Diagram [TYPE D]

∗1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.

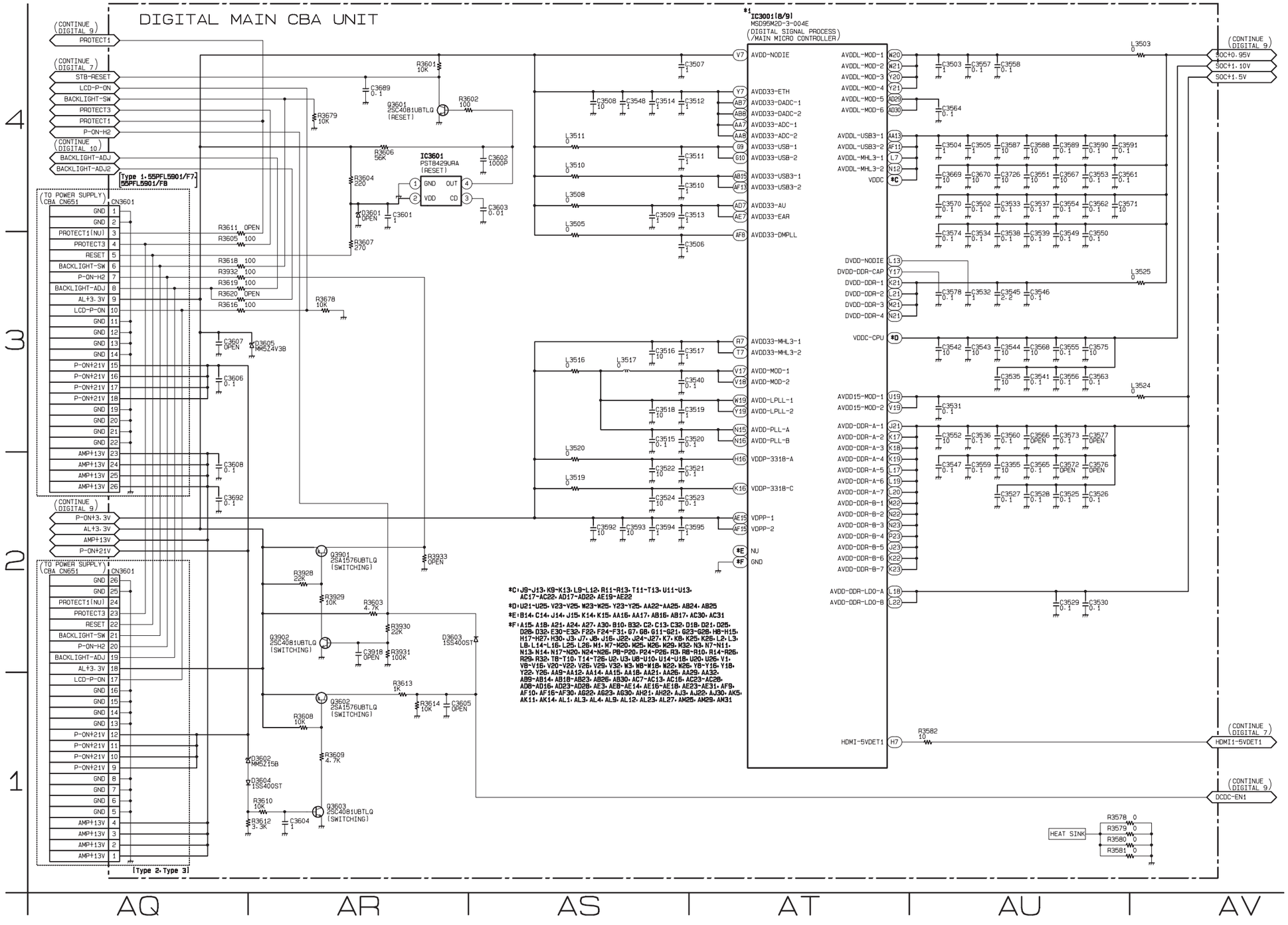


Digital Main 8 Schematic Diagram [TYPE F]

∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.

55PFL5601/F7 model has the combination of more than one Wire Assembly and Digital Main PCB.
See the following table for more information.

	Type 1	Type 2	Type 3
Wire Assembly Parts No.	WX1A51REx313	WX1A51RJx303	WX1A51RJx303
Digital Main PCB Part No.	BA51REG04012	BA51RJG04012	BA51REG04012



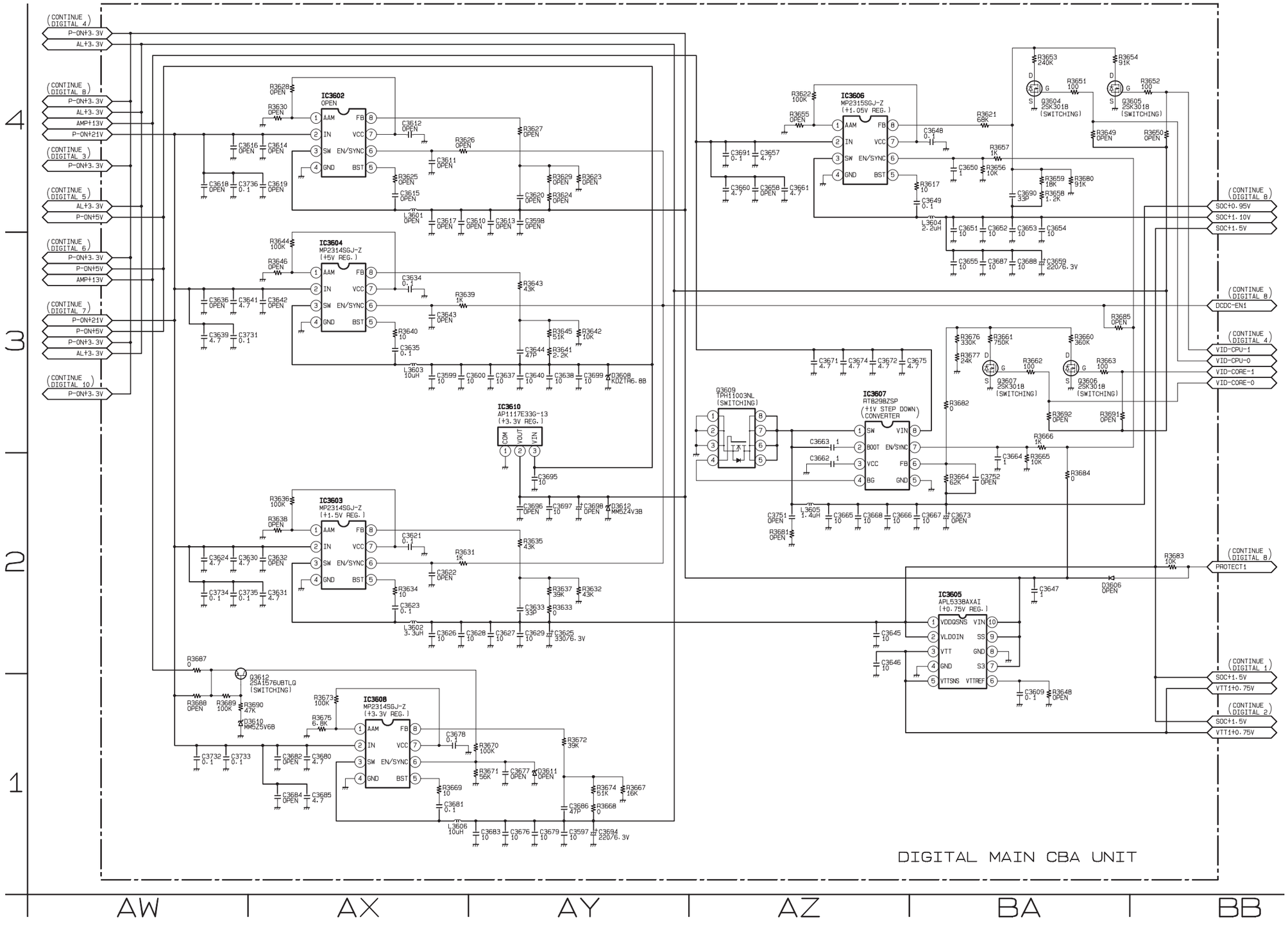
∗C: J9·J13·K9·K13·L9·L12·R11·R13·T11·T13·U11·U13·
AC17·AC22·AD17·AD22·AE19·AE22

∗D: U21·U25·V23·V25·W23·W25·Y23·Y25·AA22·AA25·AB24·AB25

∗E: B14·C14·J14·J15·K14·K15·AA16·AA17·AB16·AB17·AC30·AC31

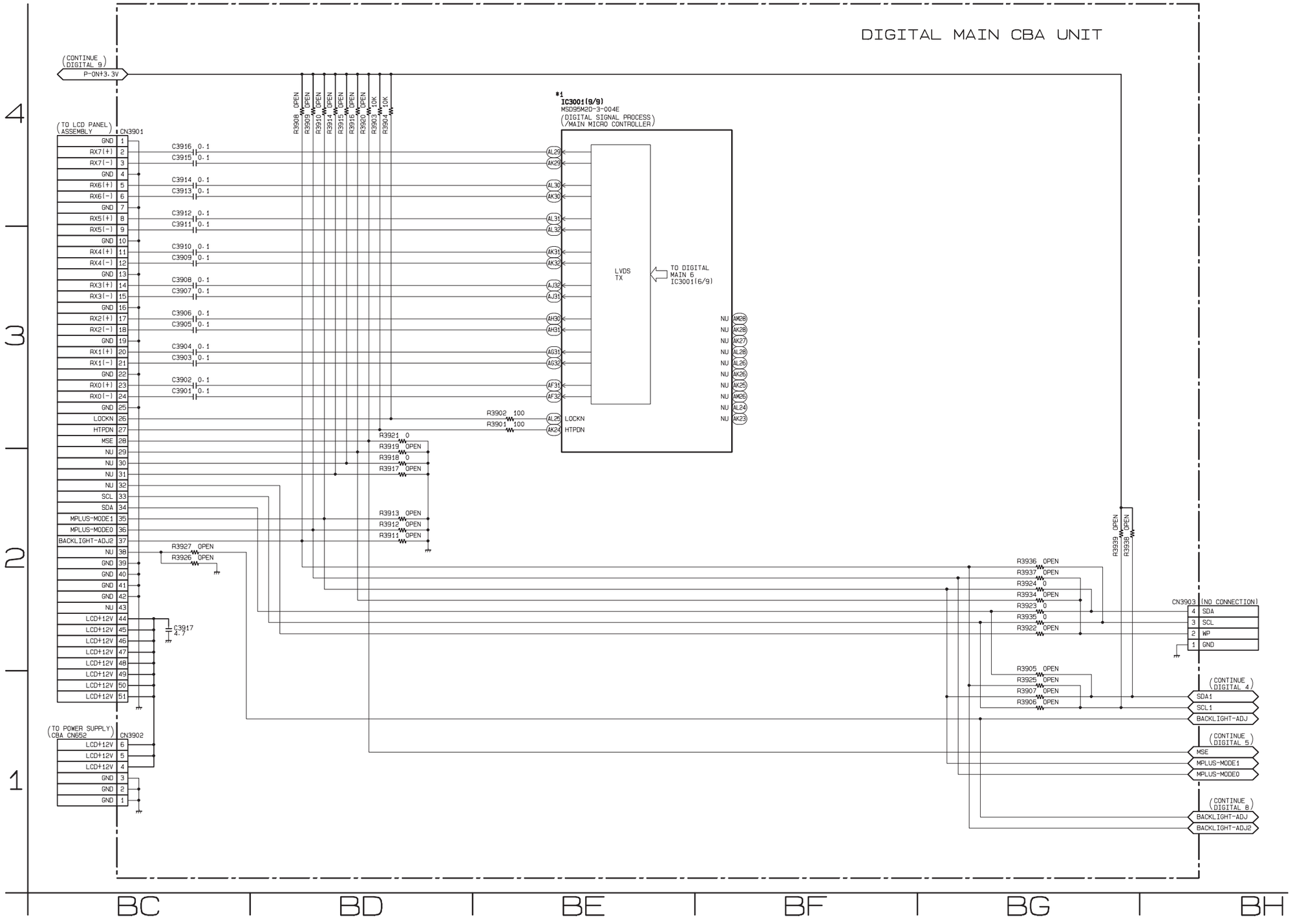
∗F: A15·A18·A21·A24·A27·A30·B10·B32·C2·C13·C32·D18·D21·D25·
D28·D32·E30·E32·F22·F24·F31·G7·G8·G11·G21·G23·G28·H8·H15·
H17·H27·H30·J3·J7·J8·J16·J22·J24·J27·K7·K8·K25·K26·L2·L3·
L8·L14·L16·L25·L26·M1·M7·M20·M25·M26·M29·N3·N7·N11·
N13·N14·N17·N20·N24·N26·P8·P20·P24·P26·R3·R8·R10·R14·R26·
R29·R32·T8·T10·T14·T26·U2·U3·U8·U10·U14·U18·U20·U26·V1·
V8·V15·V20·V22·V25·V29·V32·W3·W8·W18·W22·W26·Y8·Y16·Y18·
Y22·Y26·AA9·AA12·AA14·AA15·AA18·AA21·AA26·AA29·AA32·
AB9·AB14·AB18·AB23·AB26·AB30·AC7·AC13·AC16·AC23·AC28·
AD8·AD16·AD23·AD28·AE3·AE8·AE14·AE16·AE18·AE23·AE31·AF9·
AF10·AF16·AF30·AG22·AG23·AG30·AH21·AH22·AJ3·AJ22·AJ30·AK5·
AK11·AK14·AL1·AL3·AL4·AL9·AL12·AL23·AL27·AM25·AM29·AN31

Digital Main 9 Schematic Diagram [TYPE D, F]

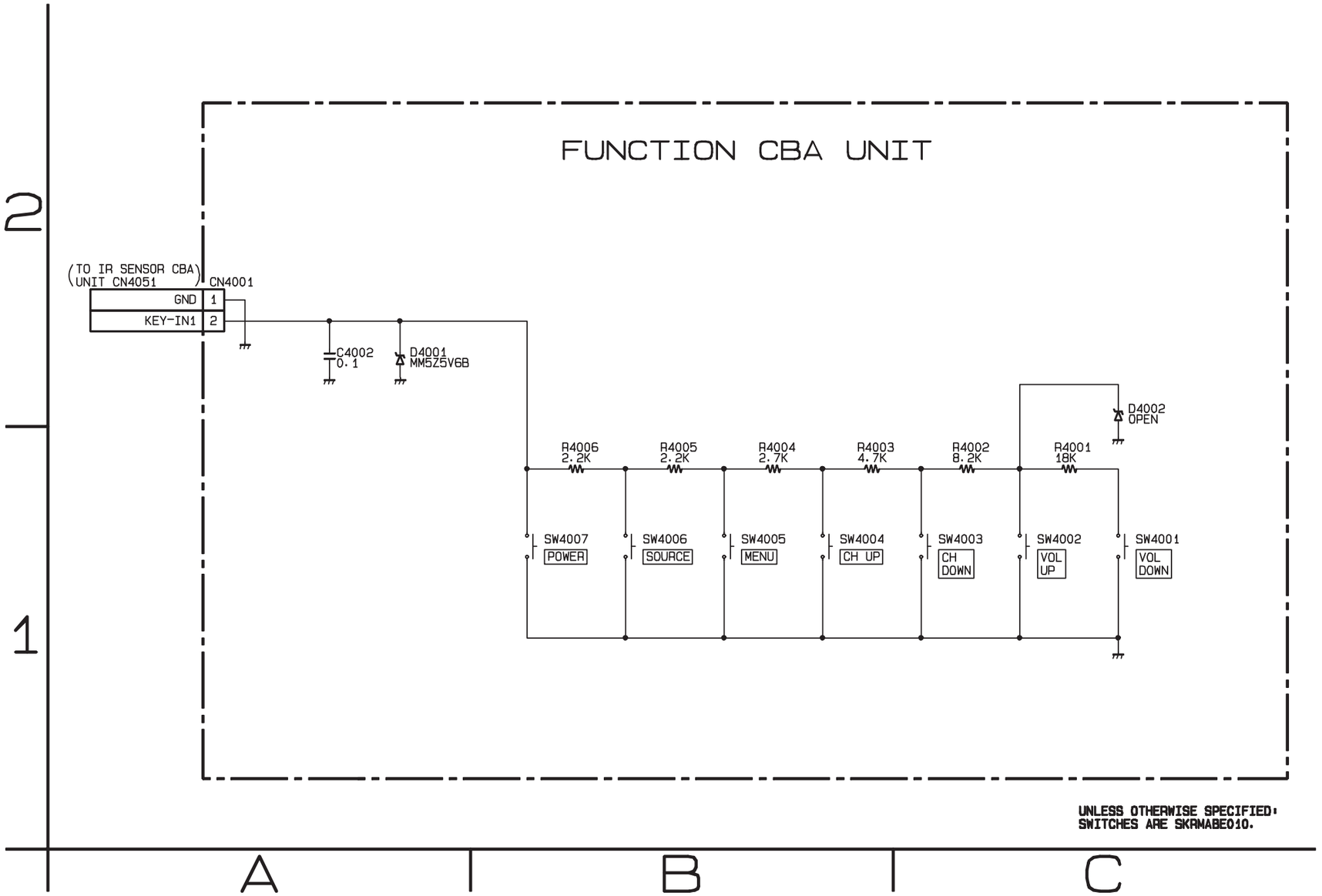


Digital Main 10 Schematic Diagram [TYPE D, F]

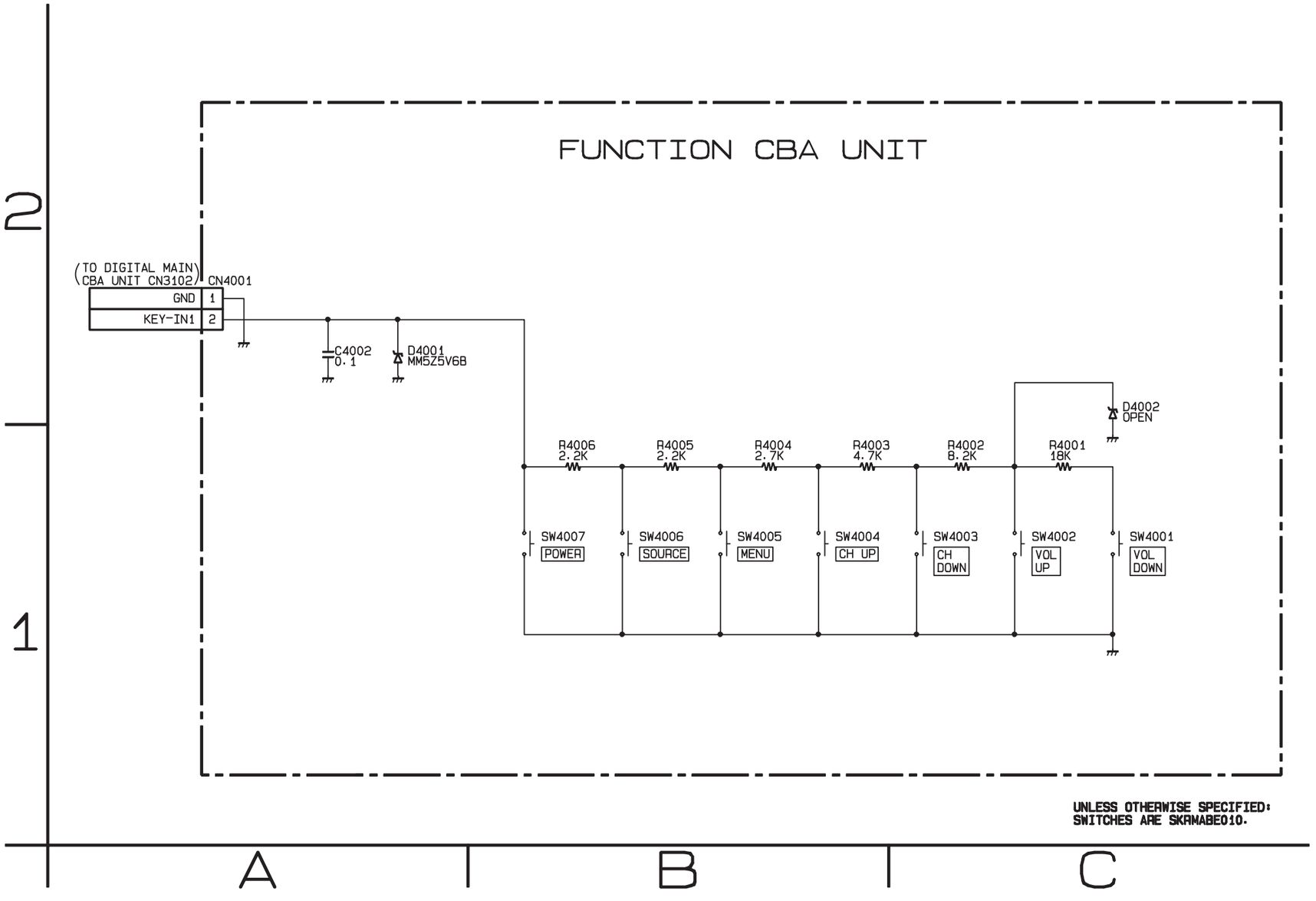
∗1 **NOTE:**
The order of pins shown in this diagram is different from that of actual IC3001.
IC3001 is divided into nine and shown as IC3001 (1/9) ~ IC3001 (9/9) in this Digital Main Schematic Diagram Section.



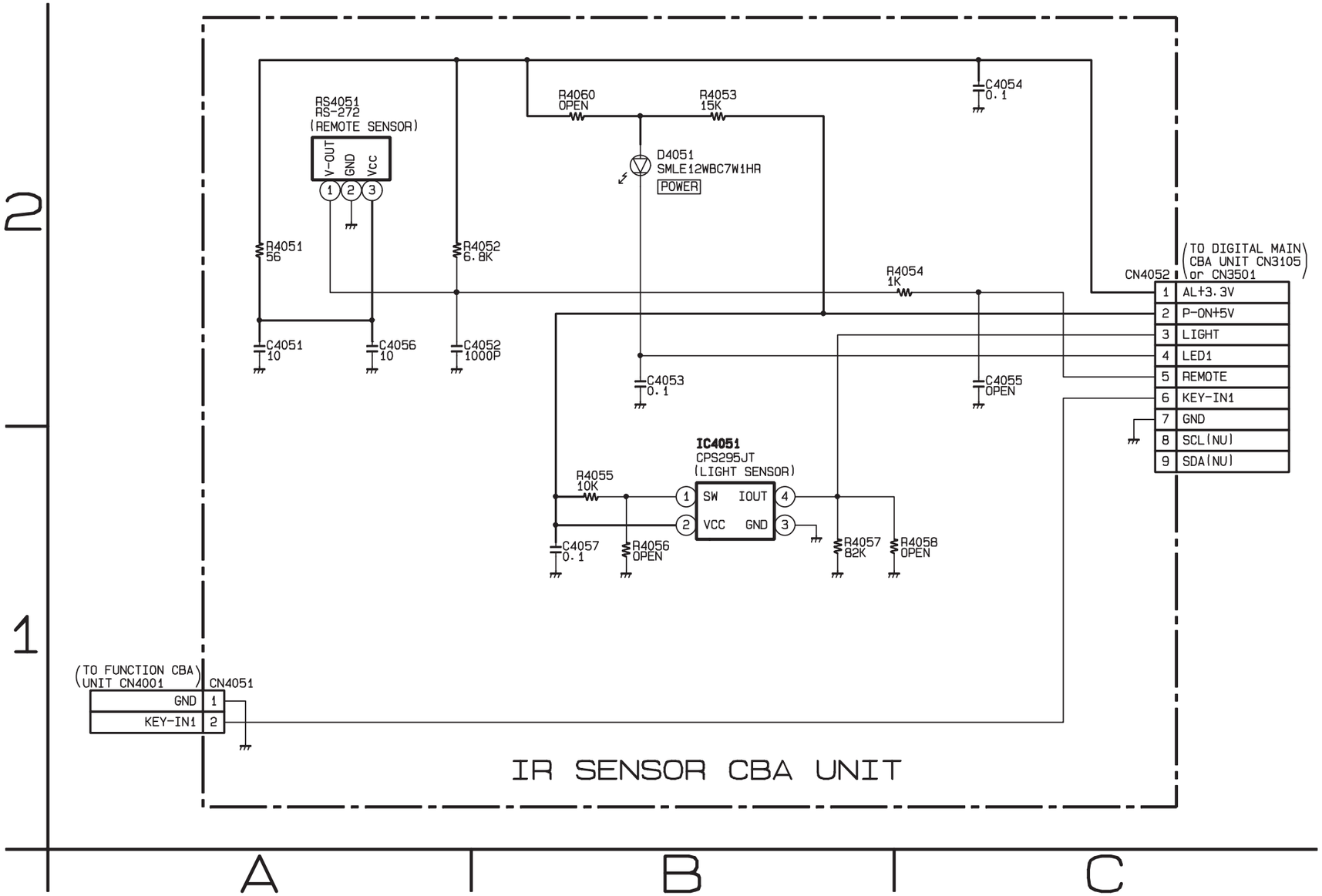
Function Schematic Diagram [TYPE A, C, D, E, F]



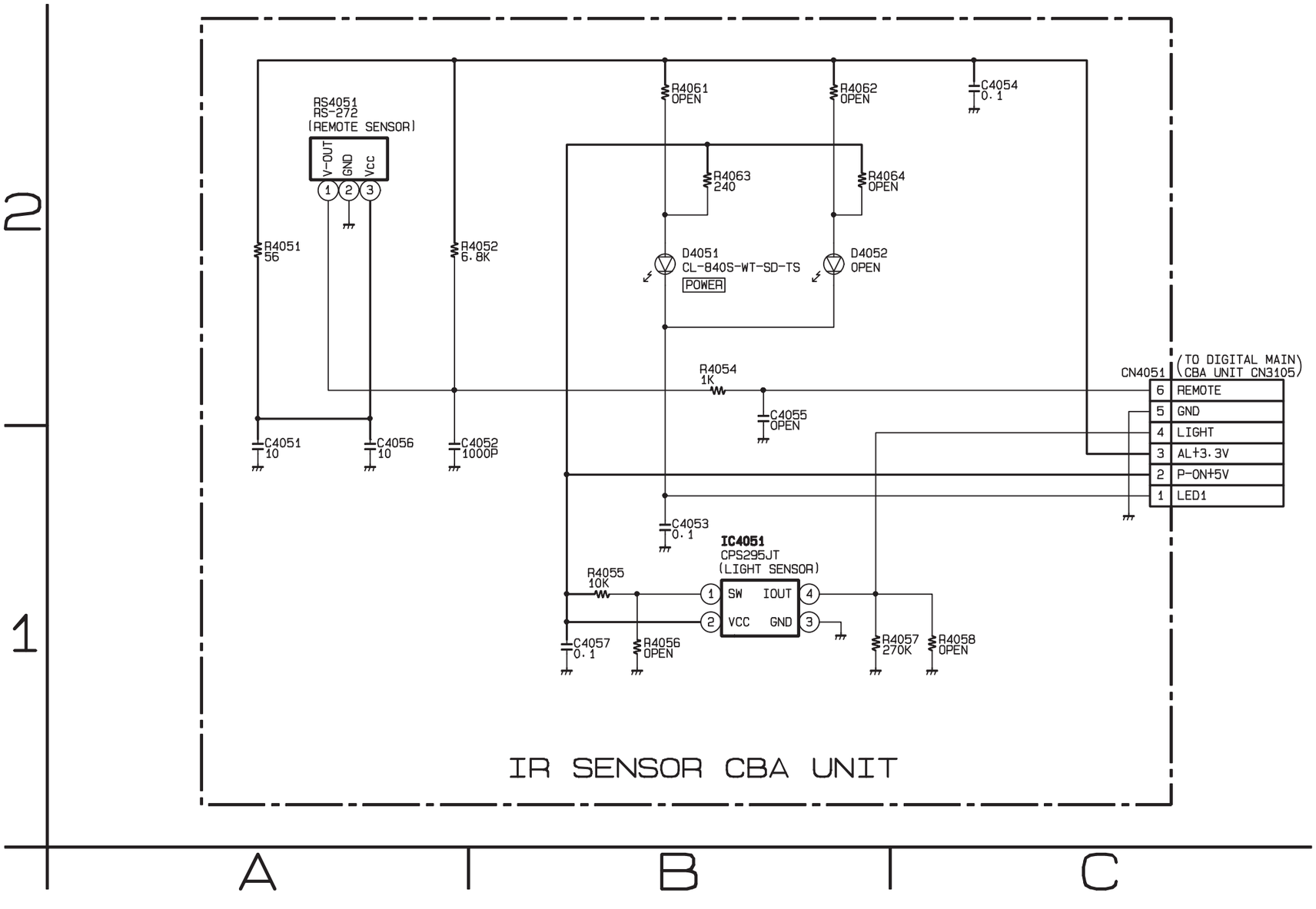
Function Schematic Diagram [TYPE B]



IR Sensor Schematic Diagram [TYPE A, C, D, E, F]



IR Sensor Schematic Diagram [TYPE B]



Power Supply CBA Top View [TYPE A, D]

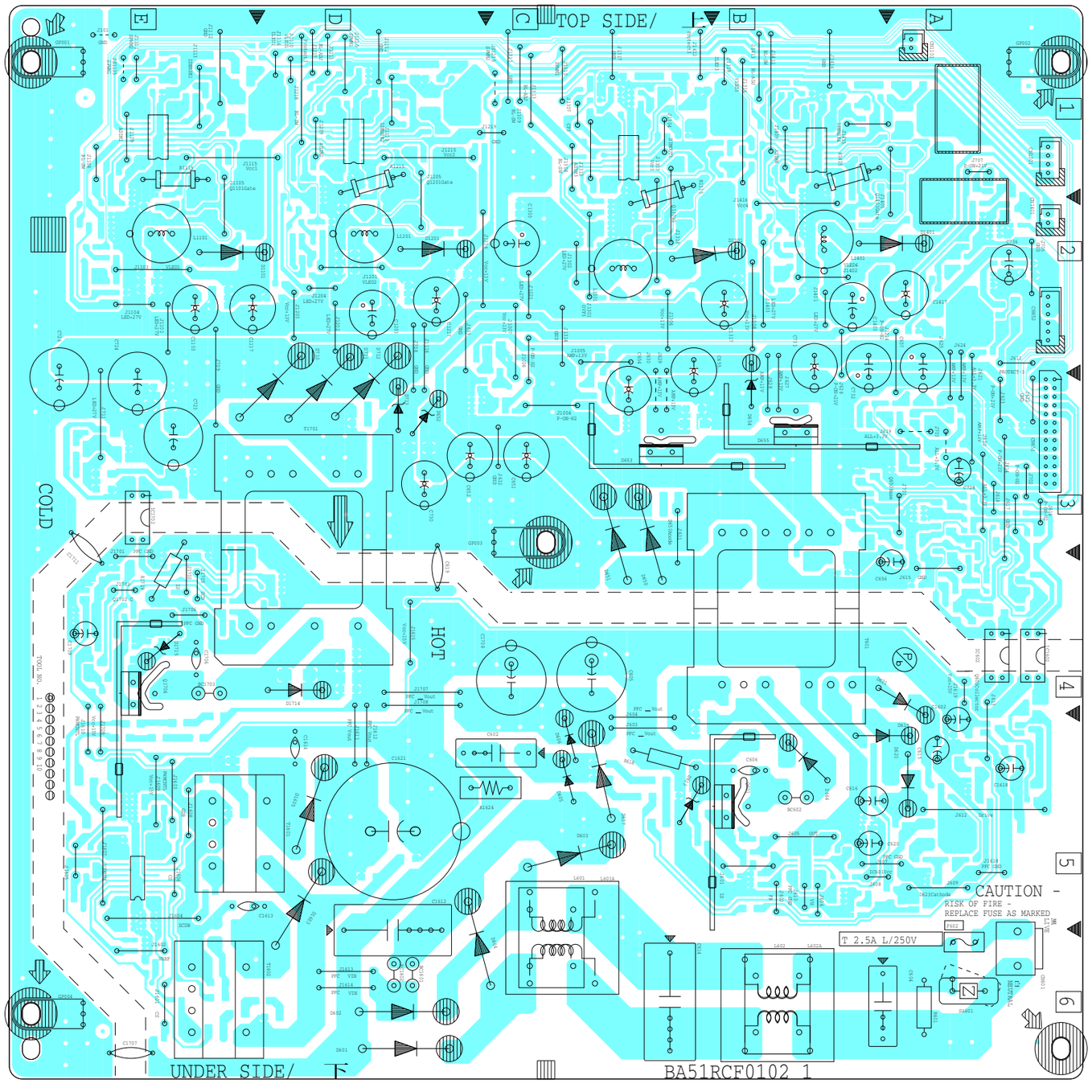
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

2.5A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

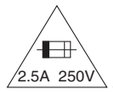
Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

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

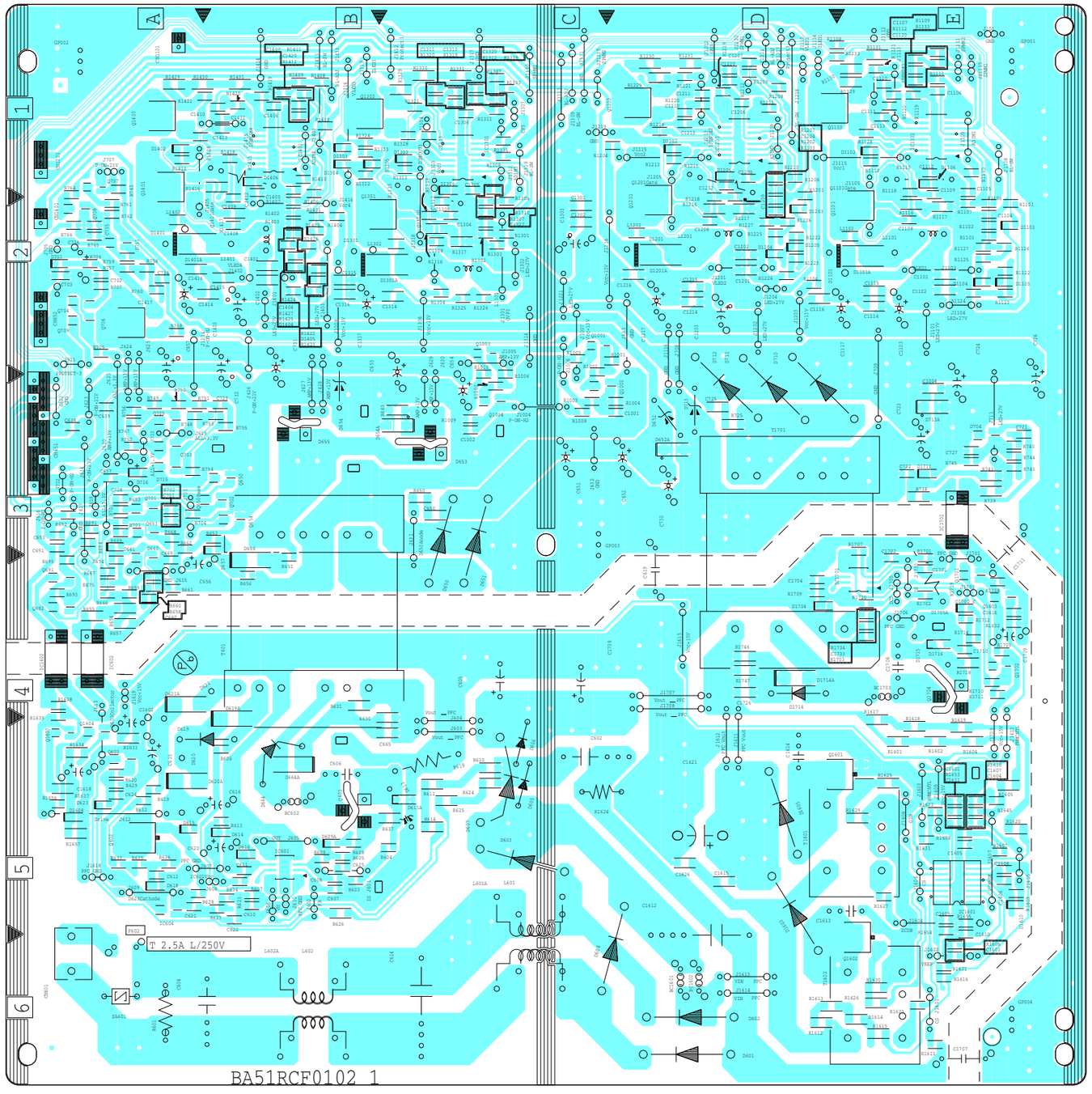


Power Supply CBA Bottom View [TYPE A, D]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) 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 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

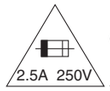


Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

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

Power Supply CBA Top View [TYPE B]

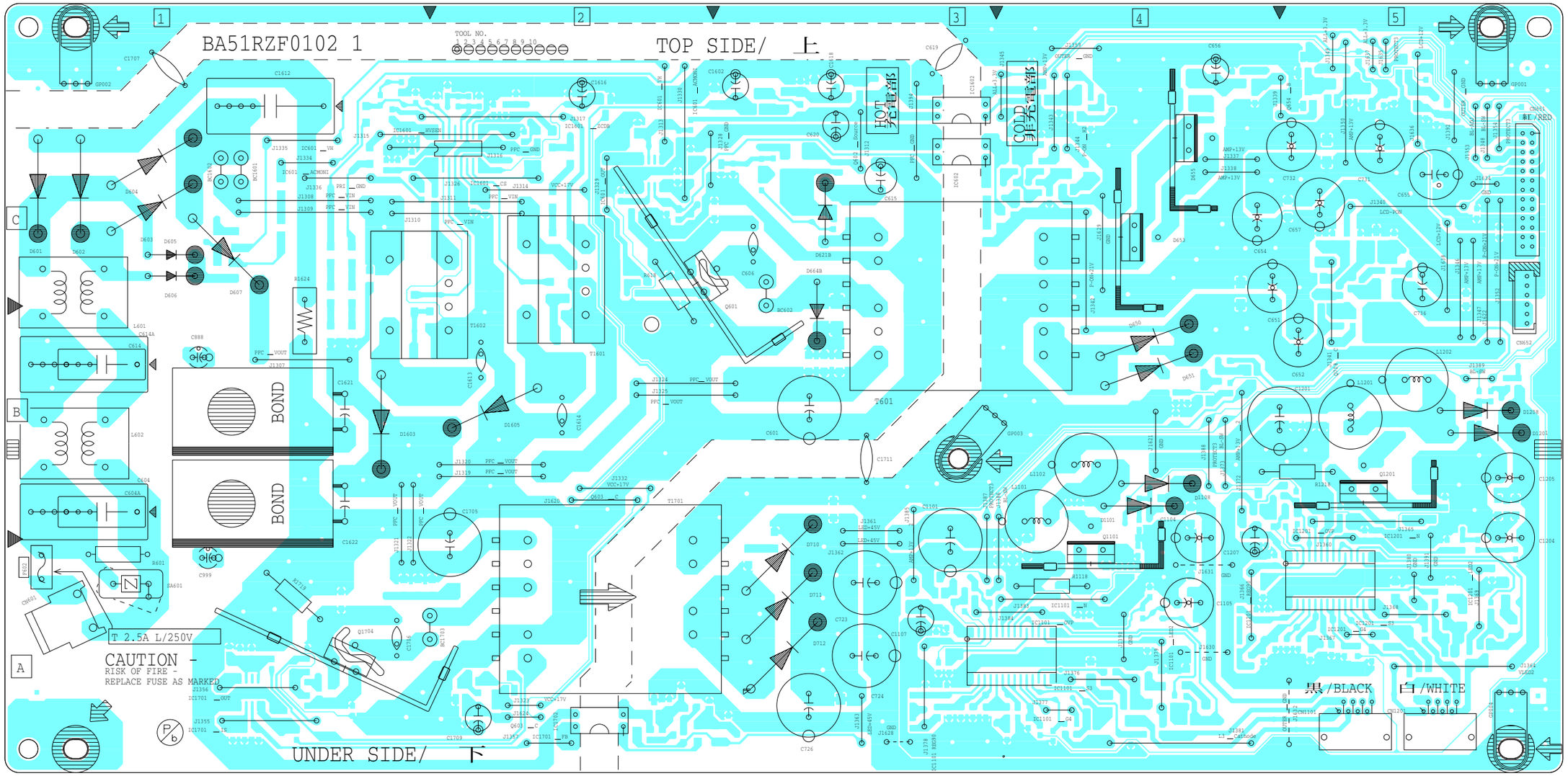
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.



CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

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.

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



Power Supply CBA Bottom View [TYPE B]

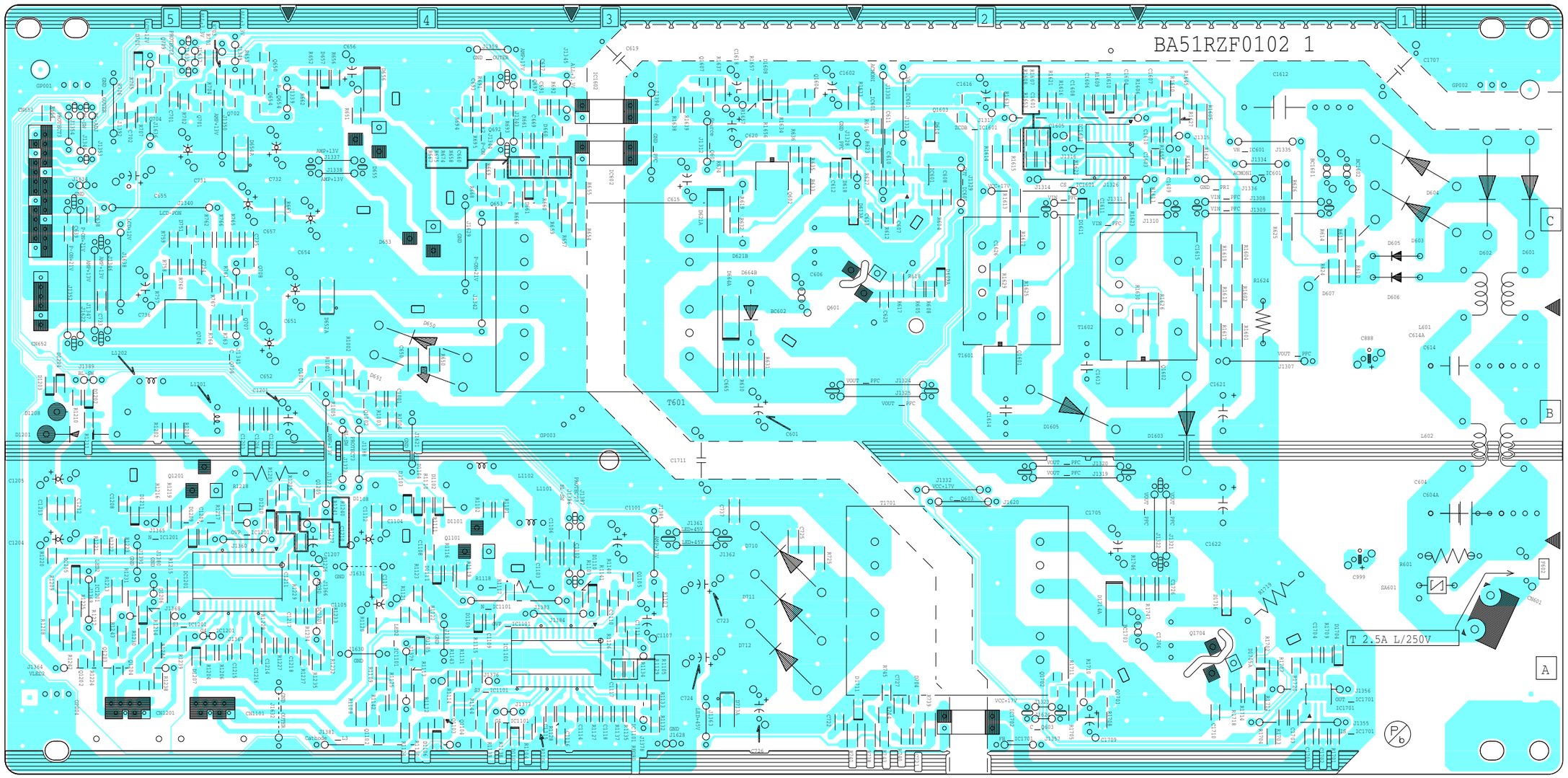
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

2.5A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

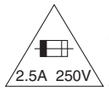
Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

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



Power Supply CBA Top View [TYPE C]

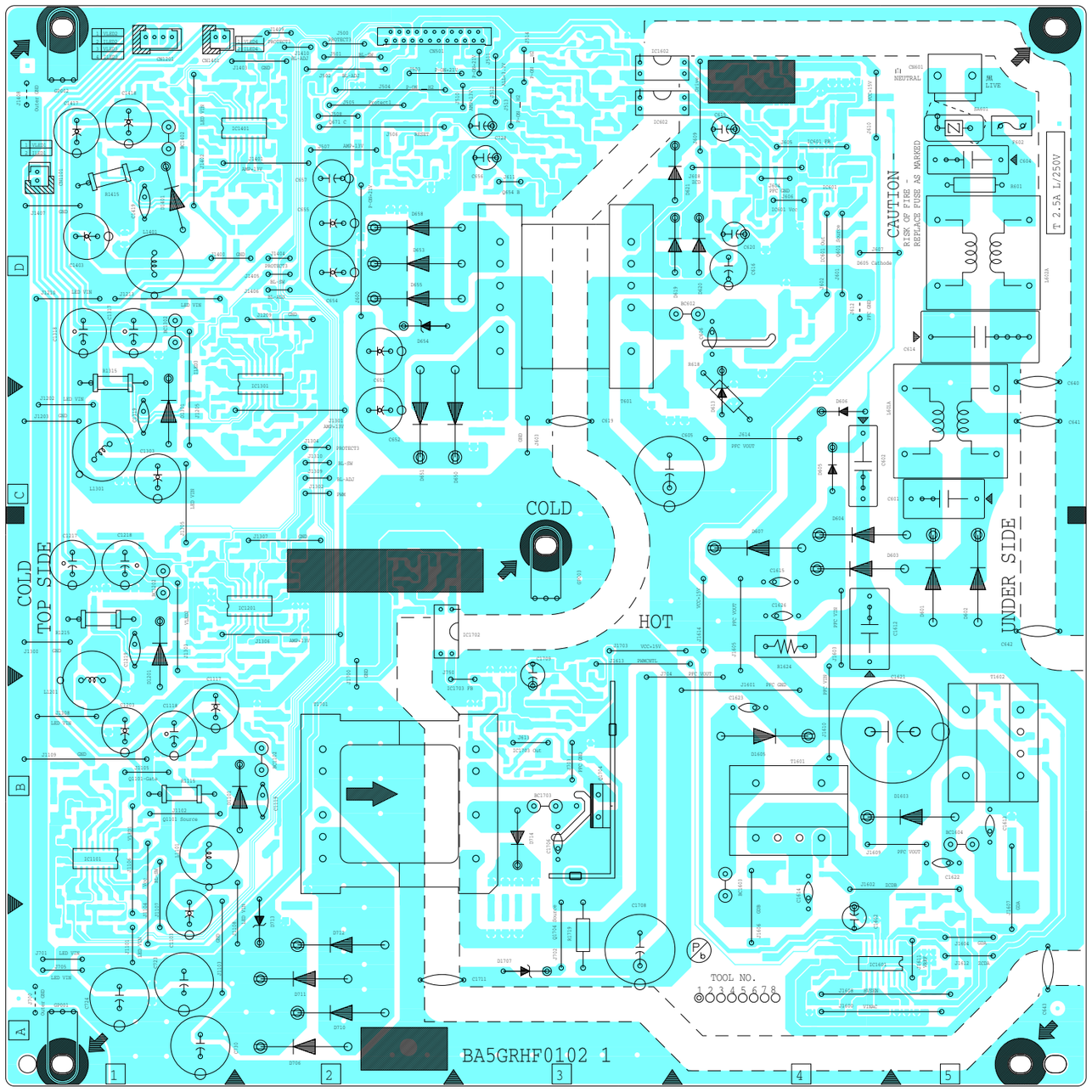
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.



CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

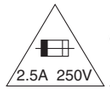
Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

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



Power Supply CBA Bottom View [TYPE C]

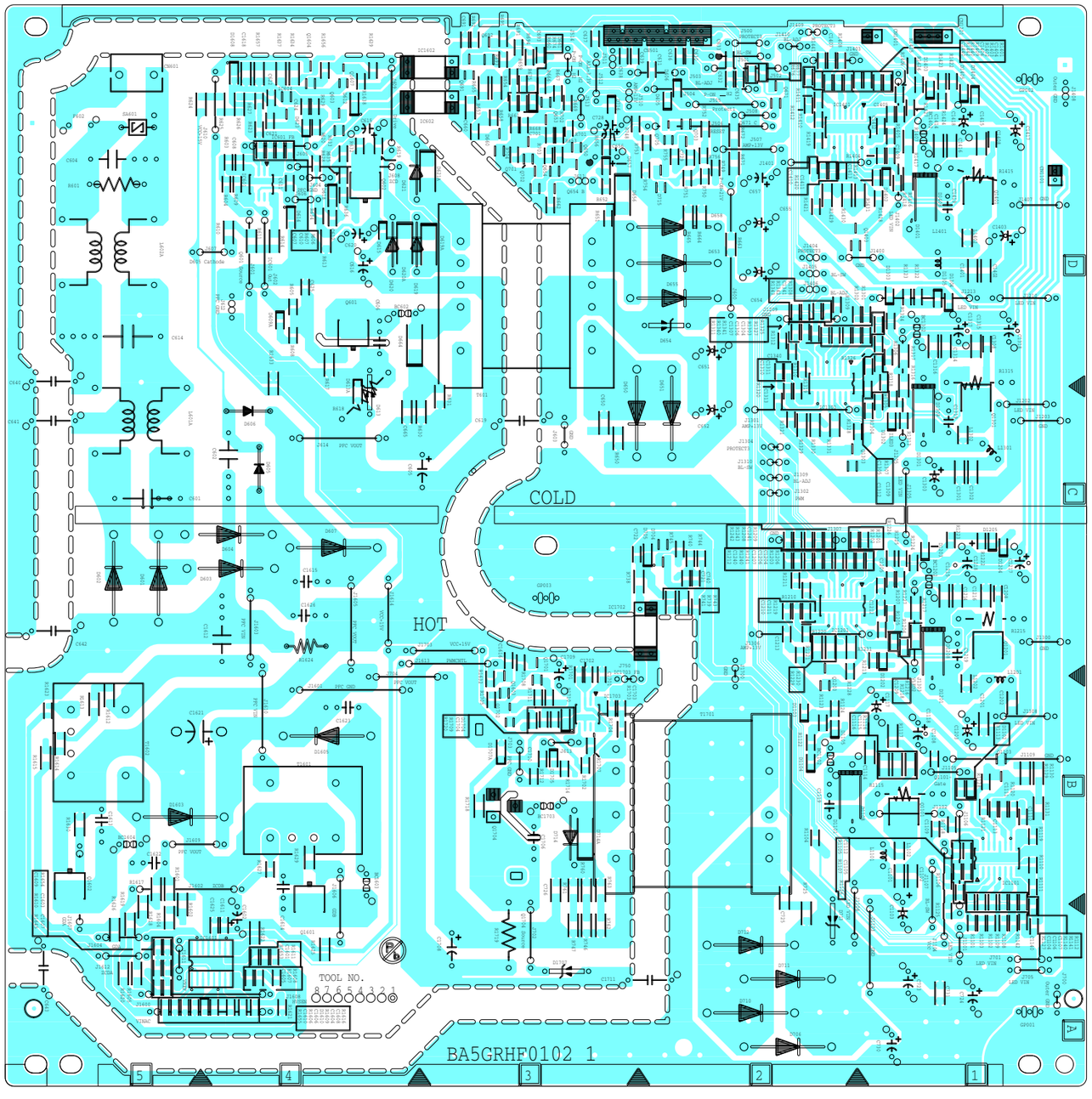
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.



CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

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.

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

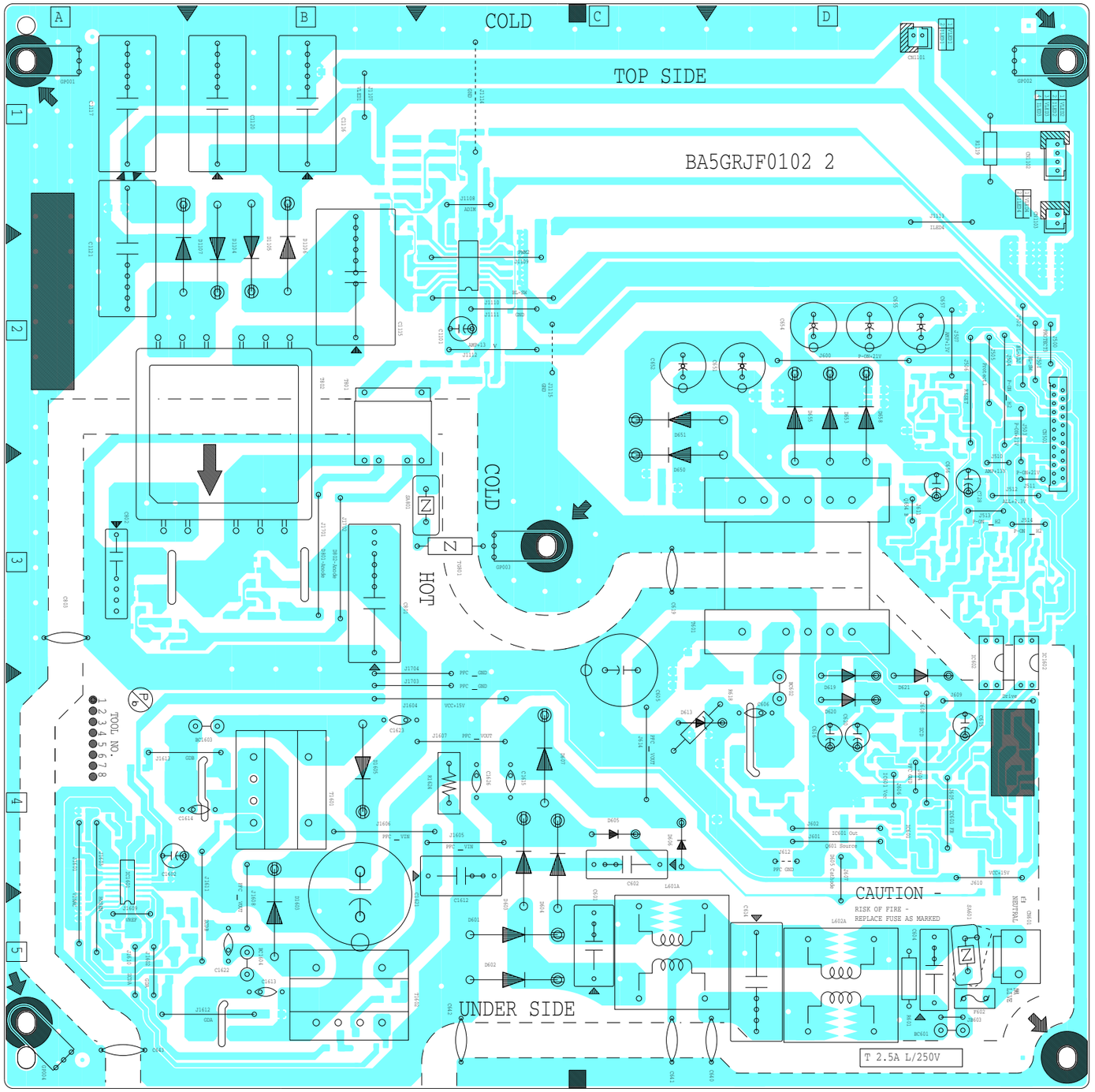


Power Supply CBA Top View [TYPE E]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) 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.

2.5A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.



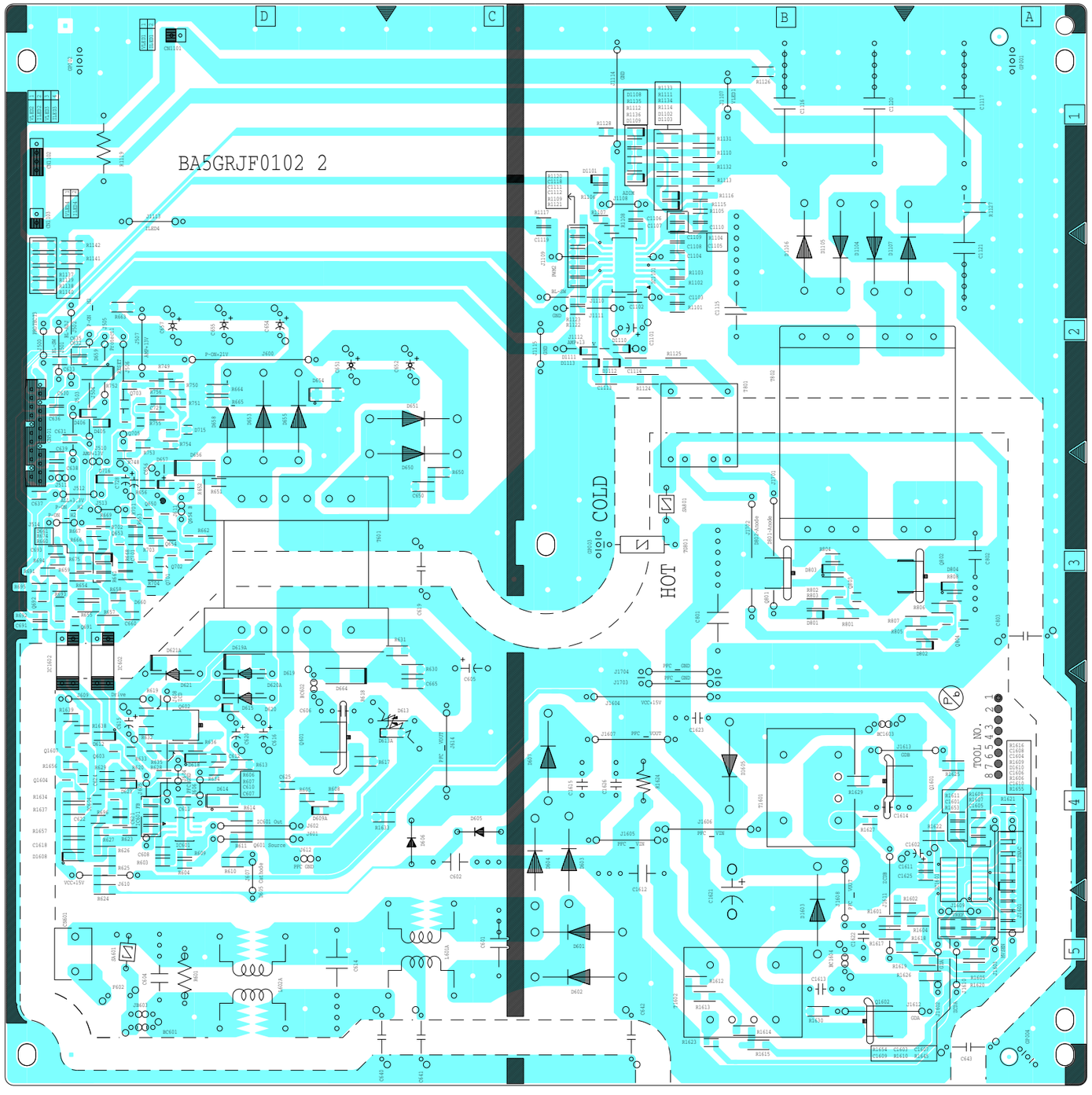
Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

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

Power Supply CBA Bottom View [TYPE E]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) 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 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.



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.

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

Power Supply CBA Top View [TYPE F]

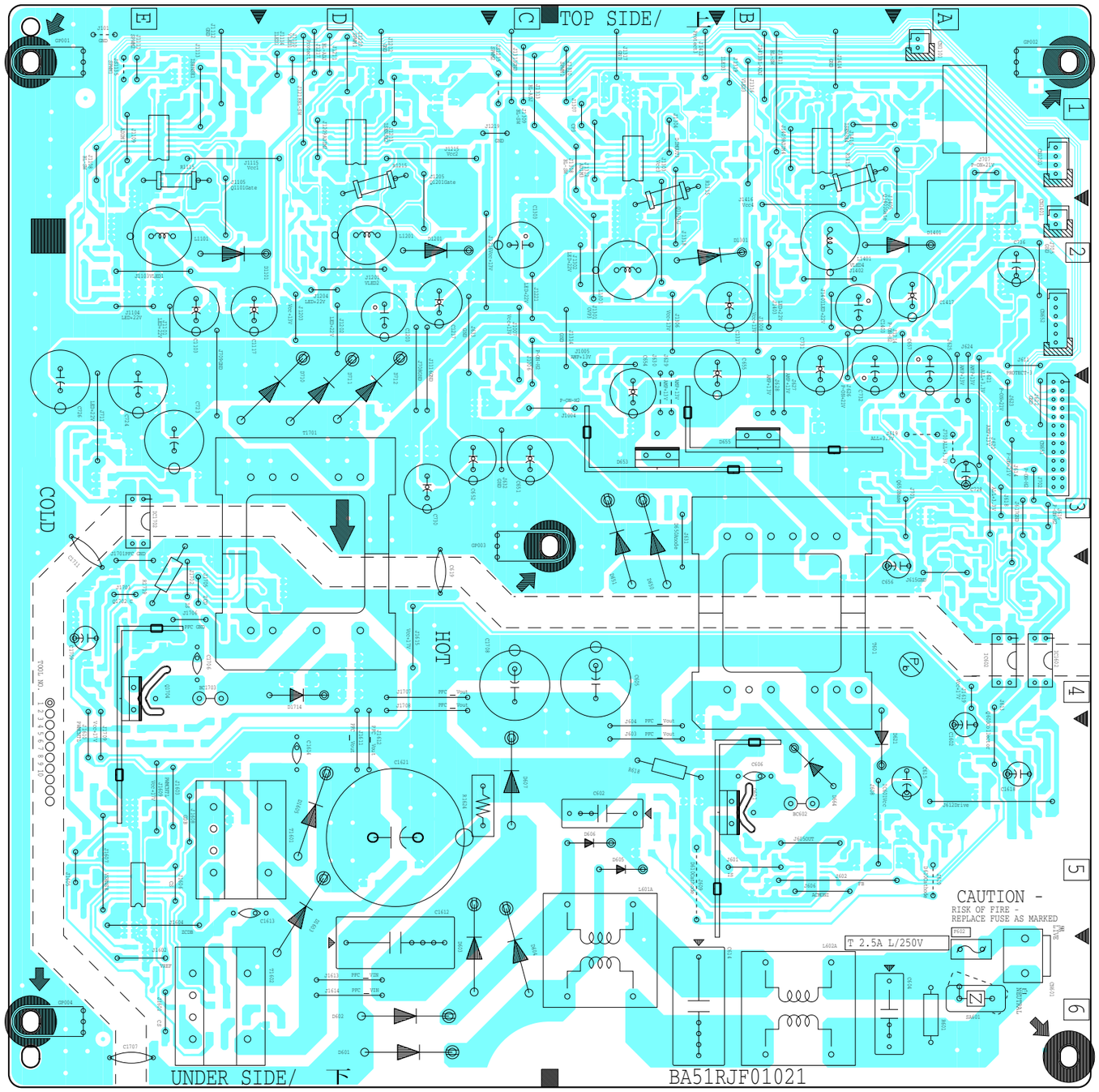
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

2.5A 250V

CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

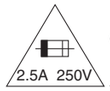
Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

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



Power Supply CBA Bottom View [TYPE F]

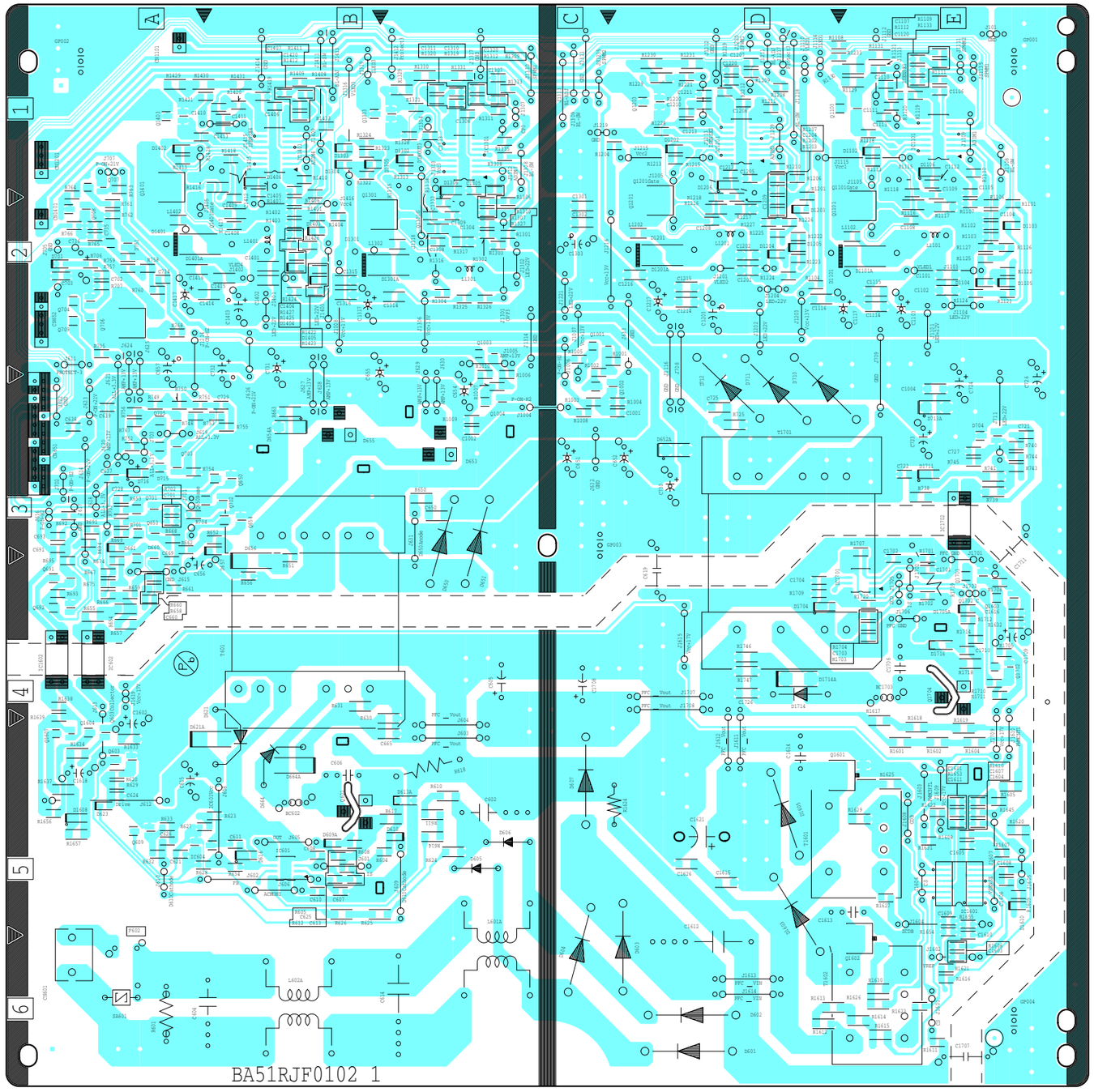
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F602) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.



CAUTION ! : For continued protection against risk of fire, replace only with same type 2.5A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 2.5A, 250V.

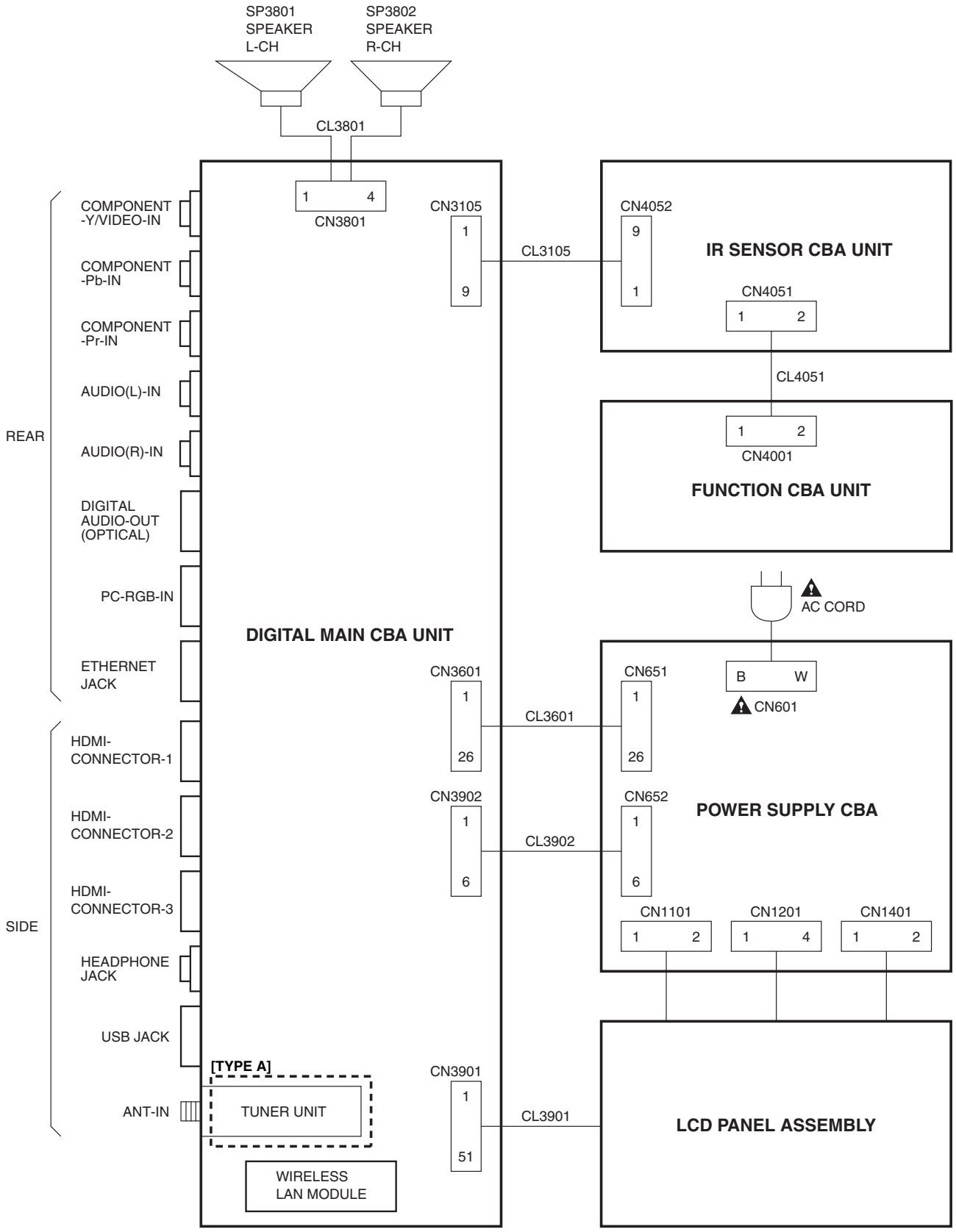
Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

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

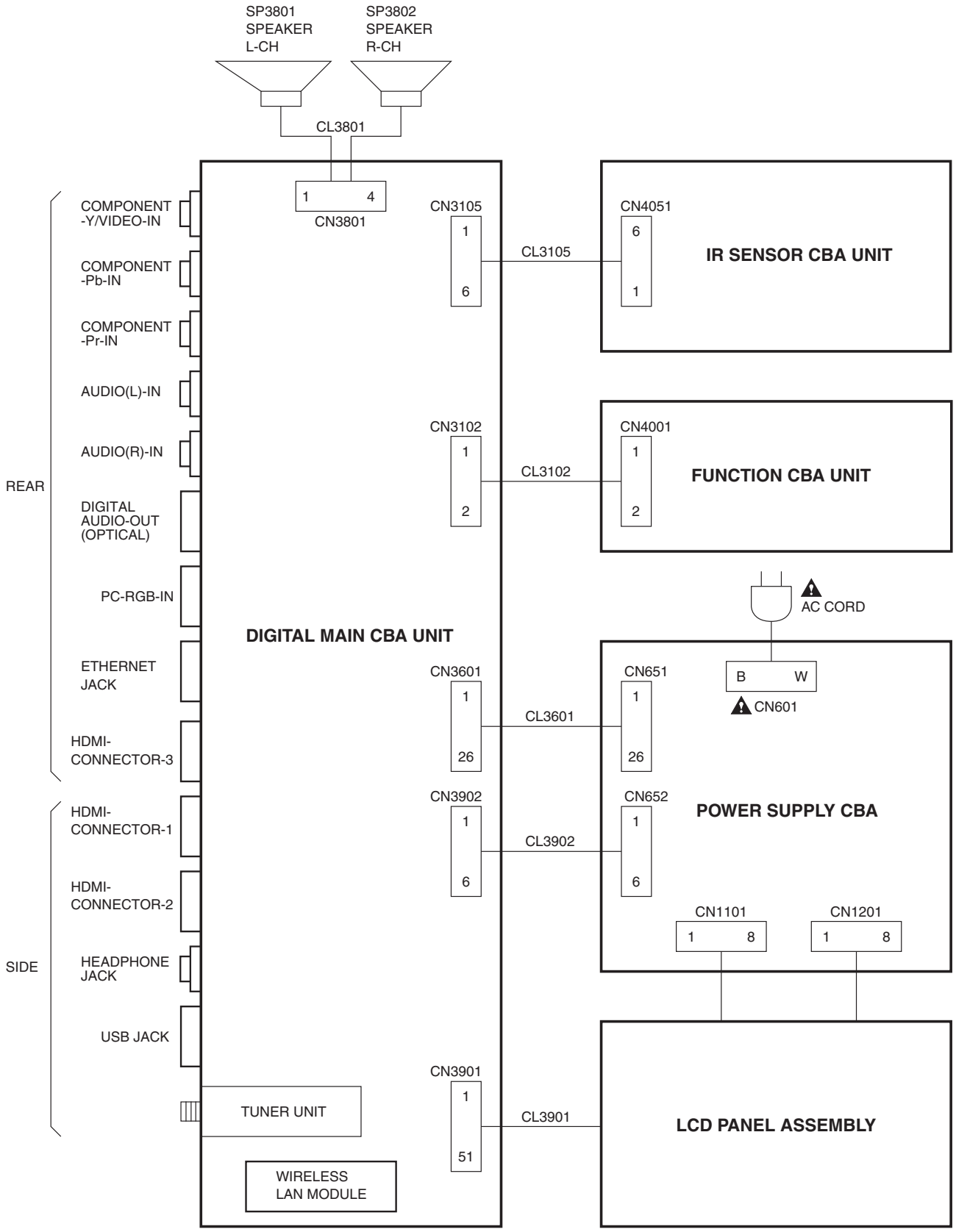


WIRING DIAGRAMS

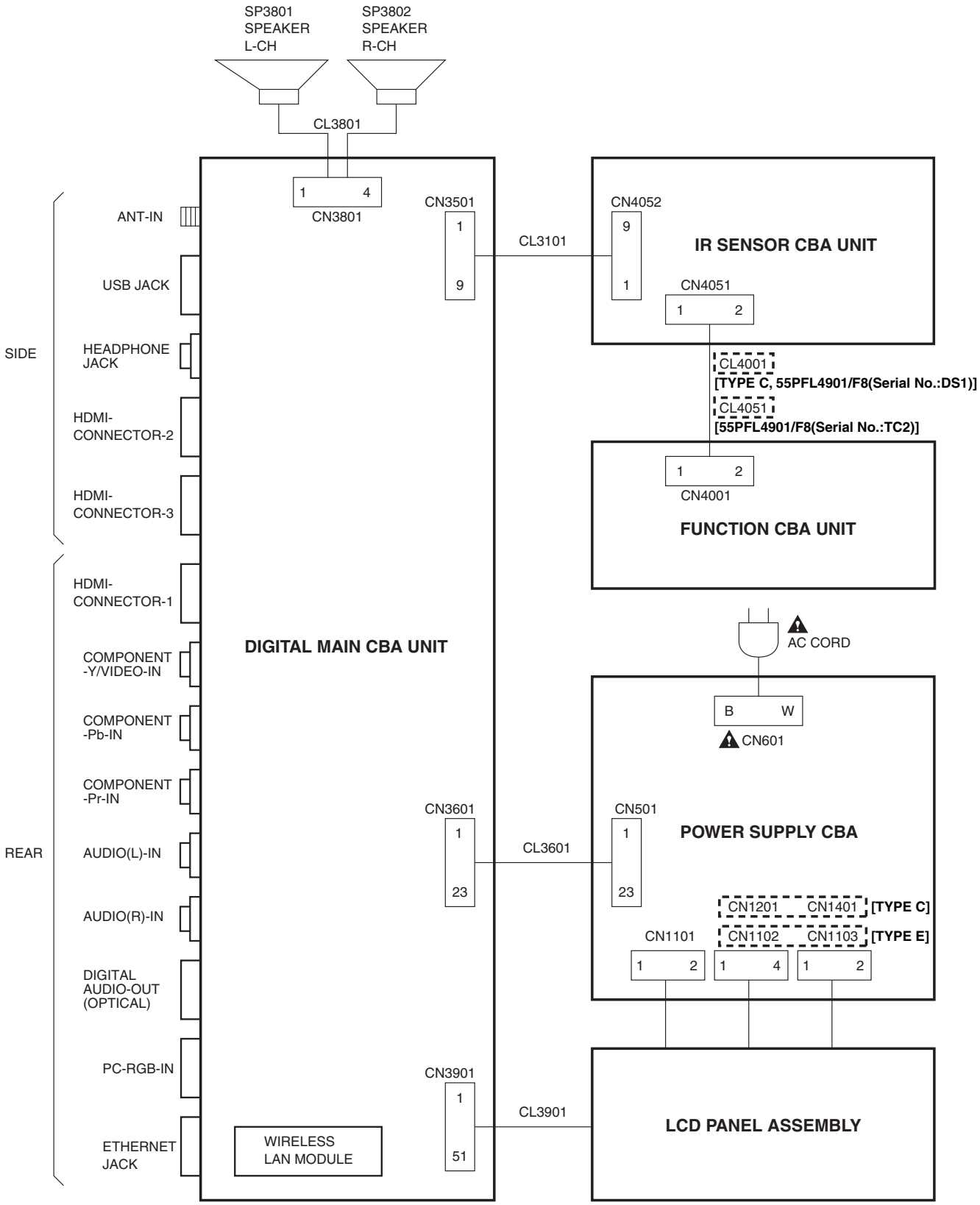
[TYPE A, D]



[TYPE B]


SP3801
SPEAKER
L-CH
SP3802
SPEAKER
R-CH
CL3801
1
4
CN3801
COMPONENT
-Y/VIDEO-IN
COMPONENT
-Pb-IN
COMPONENT
-Pr-IN
AUDIO(L)-IN
AUDIO(R)-IN
REAR
DIGITAL
AUDIO-OUT
(OPTICAL)
PC-RGB-IN
ETHERNET
JACK
HDMI-
CONNECTOR-3
HDMI-
CONNECTOR-1
HDMI-
CONNECTOR-2
SIDE
HEADPHONE
JACK
USB JACK
TUNER UNIT
WIRELESS
LAN MODULE
DIGITAL MAIN CBA UNIT
CN3105
1
6
CL3105
CN4051
6
1
IR SENSOR CBA UNIT
CN3102
1
2
CL3102
CN4001
1
2
FUNCTION CBA UNIT
AC CORD
B
W
CN601
CN3601
1
26
CL3601
CN651
1
26
CN3902
1
6
CL3902
CN652
1
6
POWER SUPPLY CBA
CN1101
1
8
CN1201
1
8
CN3901
1
51
CL3901
LCD PANEL ASSEMBLY

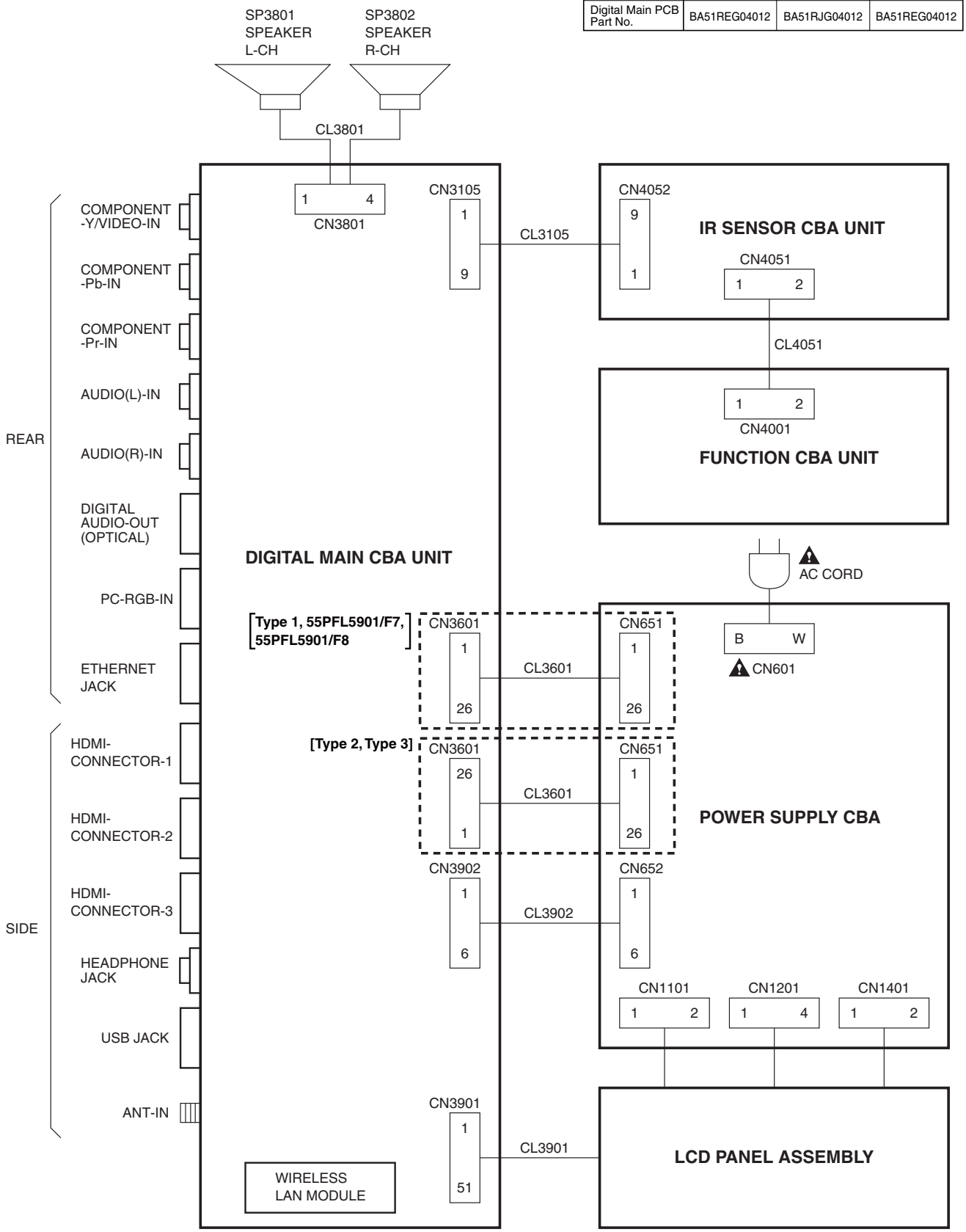
[TYPE C, E]


SP3801
SPEAKER
L-CH
SP3802
SPEAKER
R-CH
CL3801
1 4
CN3801
CN3501
1
9
CL3101
CN4052
9
1
IR SENSOR CBA UNIT
CN4051
1 2
CL4001
[TYPE C, 55PFL4901/F8(Serial No.:DS1)]
CL4051
[55PFL4901/F8(Serial No.:TC2)]
1 2
CN4001
FUNCTION CBA UNIT
SIDE
ANT-IN
USB JACK
HEADPHONE JACK
HDMI-CONNECTOR-2
HDMI-CONNECTOR-3
HDMI-CONNECTOR-1
COMPONENT -Y/VIDEO-IN
COMPONENT -Pb-IN
COMPONENT -Pr-IN
REAR
AUDIO(L)-IN
AUDIO(R)-IN
DIGITAL AUDIO-OUT (OPTICAL)
PC-RGB-IN
ETHERNET JACK
DIGITAL MAIN CBA UNIT
WIRELESS LAN MODULE
AC CORD
B W
CN601
CN3601
1
23
CL3601
CN501
1
23
POWER SUPPLY CBA
CN1201 CN1401 [TYPE C]
CN1101 CN1102 CN1103 [TYPE E]
1 2
1 4
1 2
CN3901
1
51
CL3901
LCD PANEL ASSEMBLY

[TYPE F]

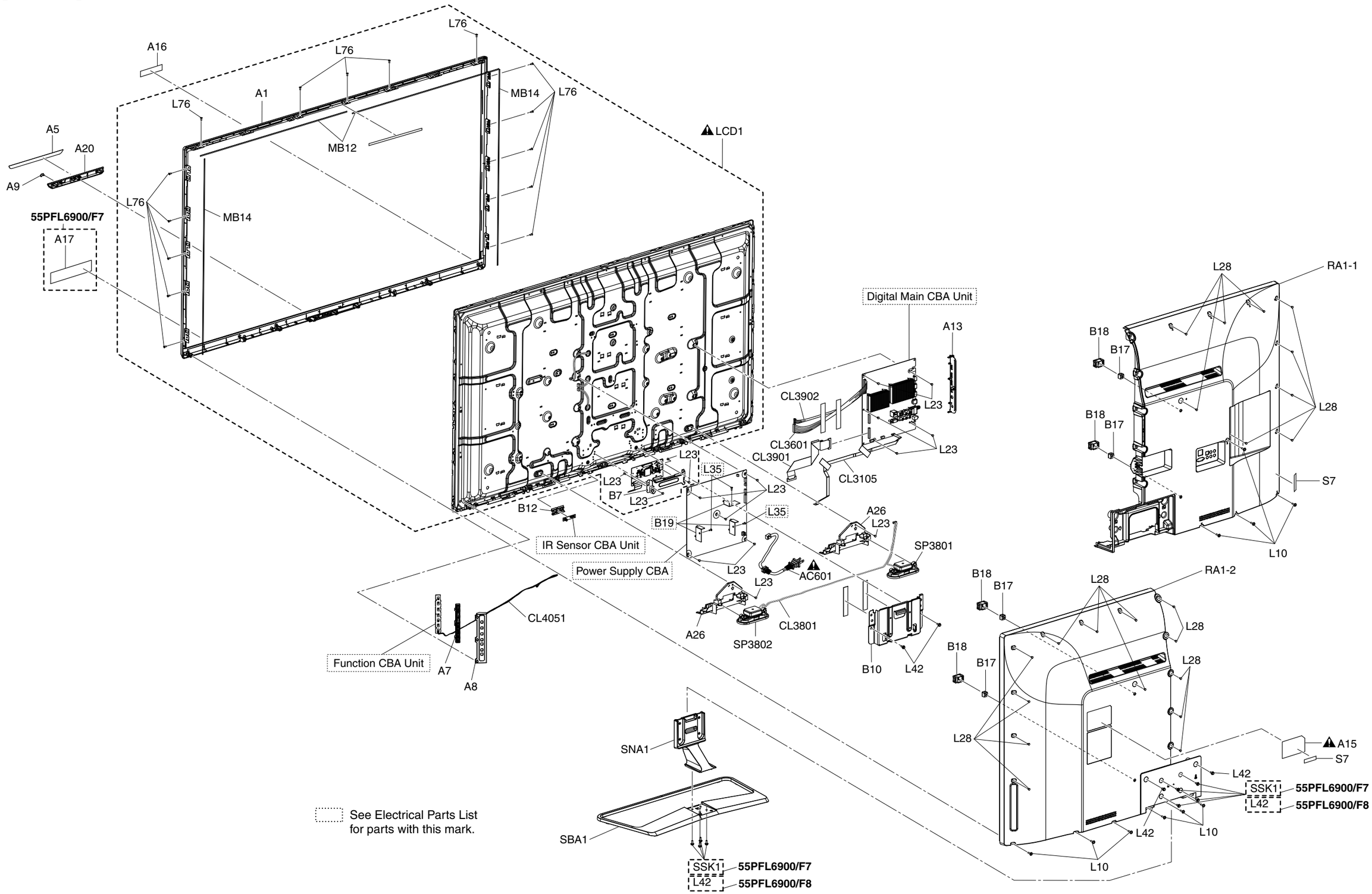
55PFL5601/F7 model has the combination of more than one Wire Assembly and Digital Main PCB.
See the following table for more information.

	Type 1	Type 2	Type 3
Wire Assembly Parts No.	WX1A51REx313	WX1A51RJx303	WX1A51RJx303
Digital Main PCB Part No.	BA51REG04012	BA51RJG04012	BA51REG04012



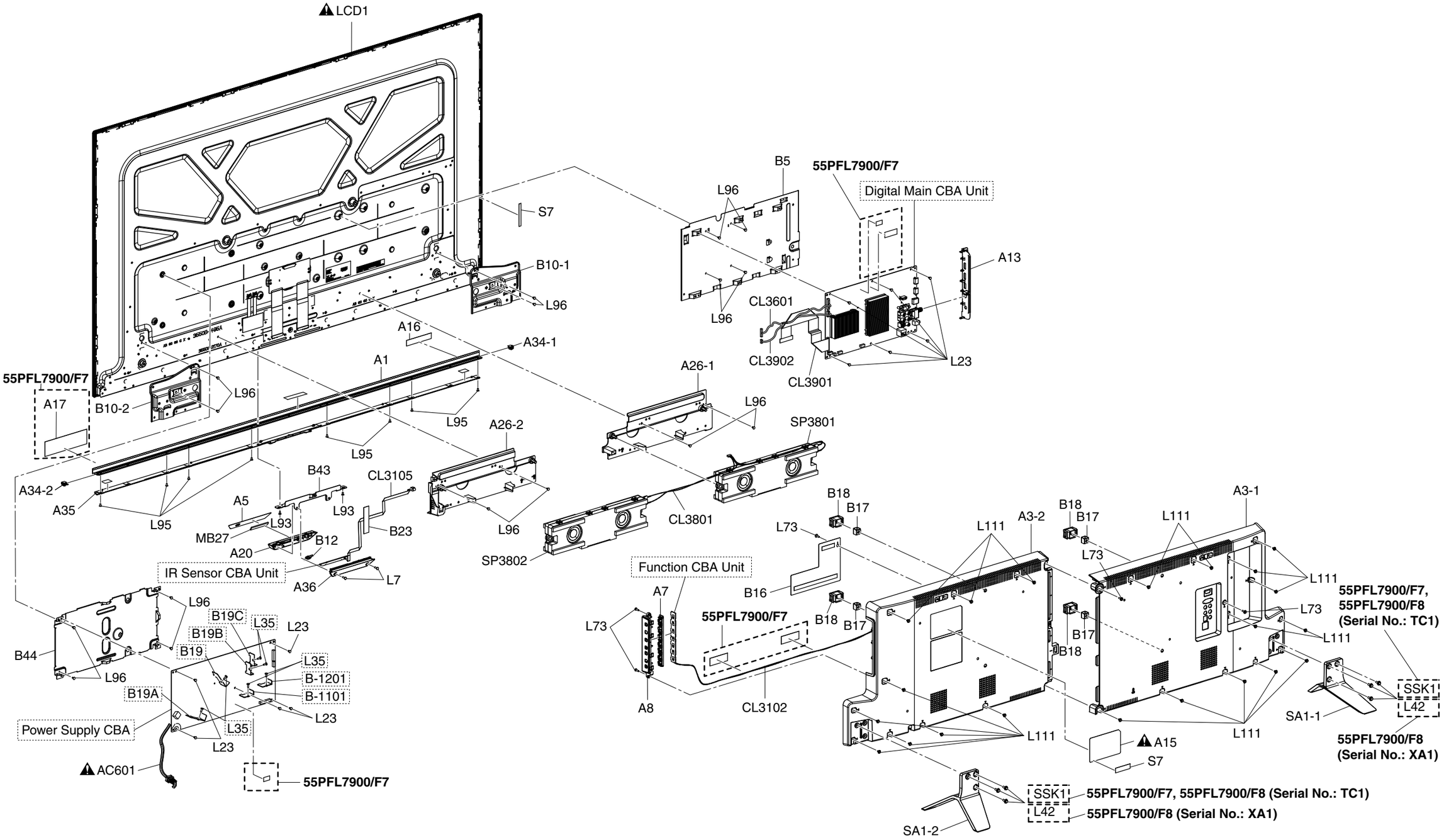
EXPLODED VIEWS

[TYPE A]



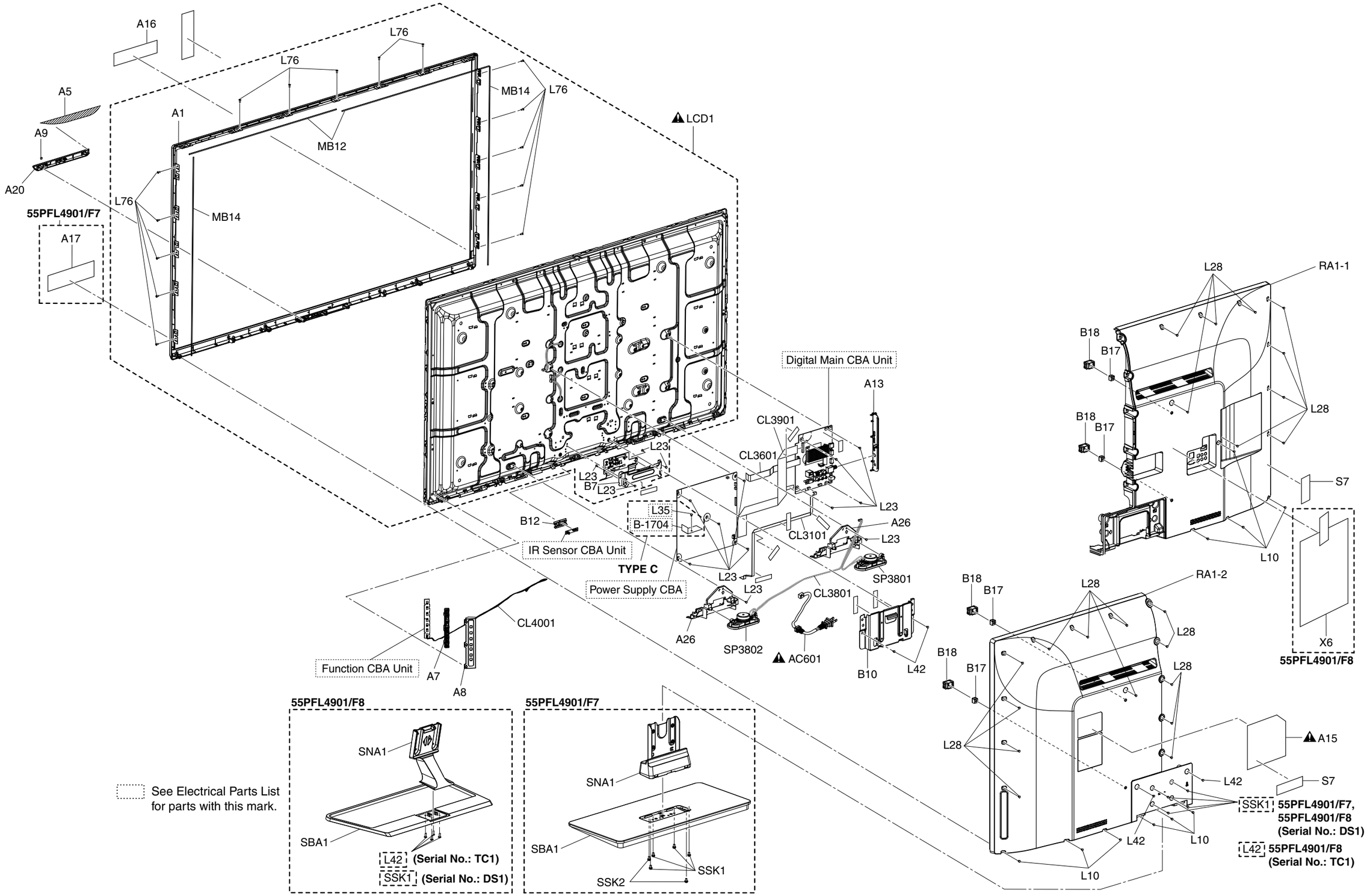
See Electrical Parts List for parts with this mark.

[TYPE B]



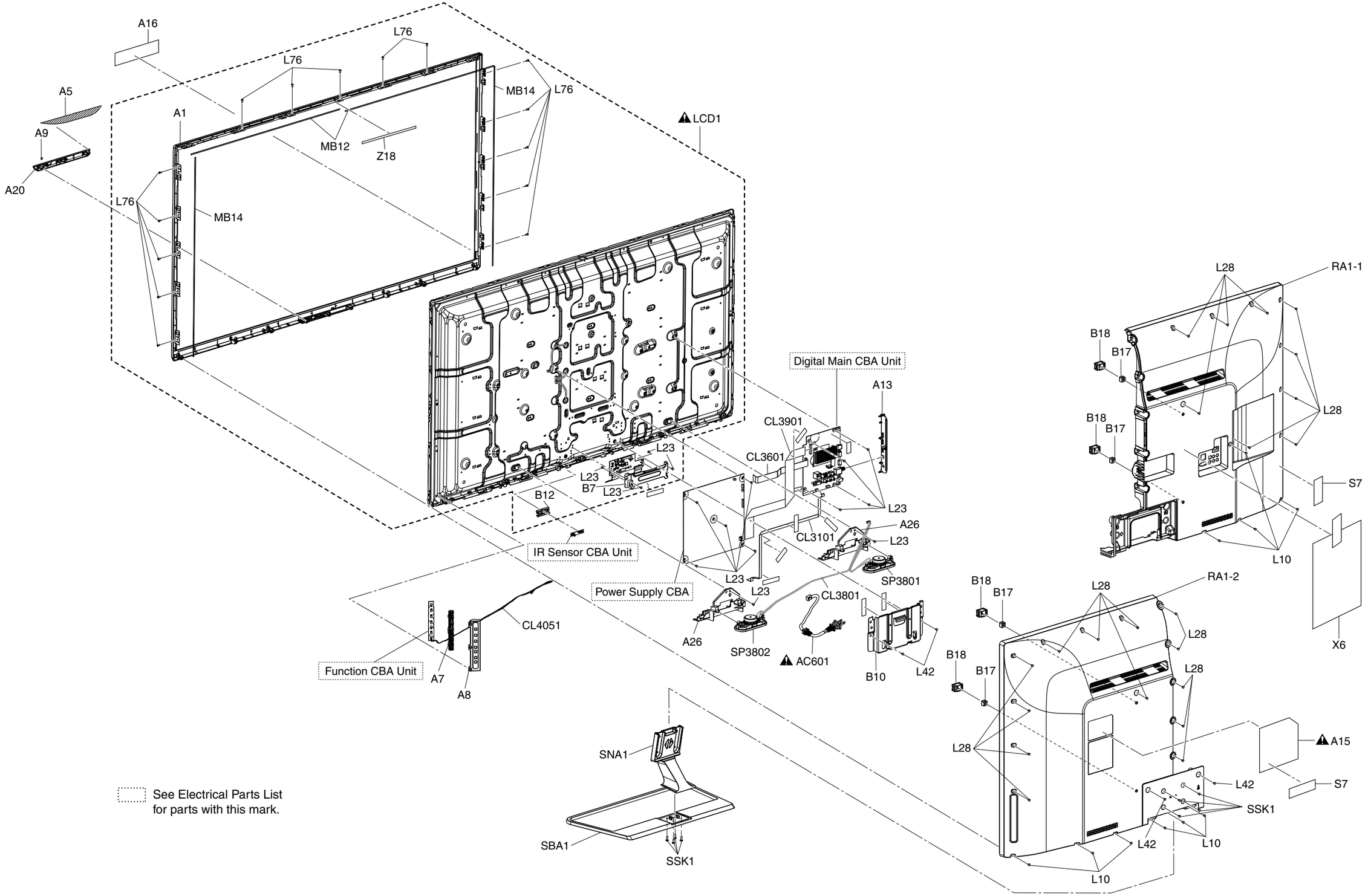
See Electrical Parts List for parts with this mark.

[TYPE C, 55PFL4901/F8 (Serial No.: DS1)]



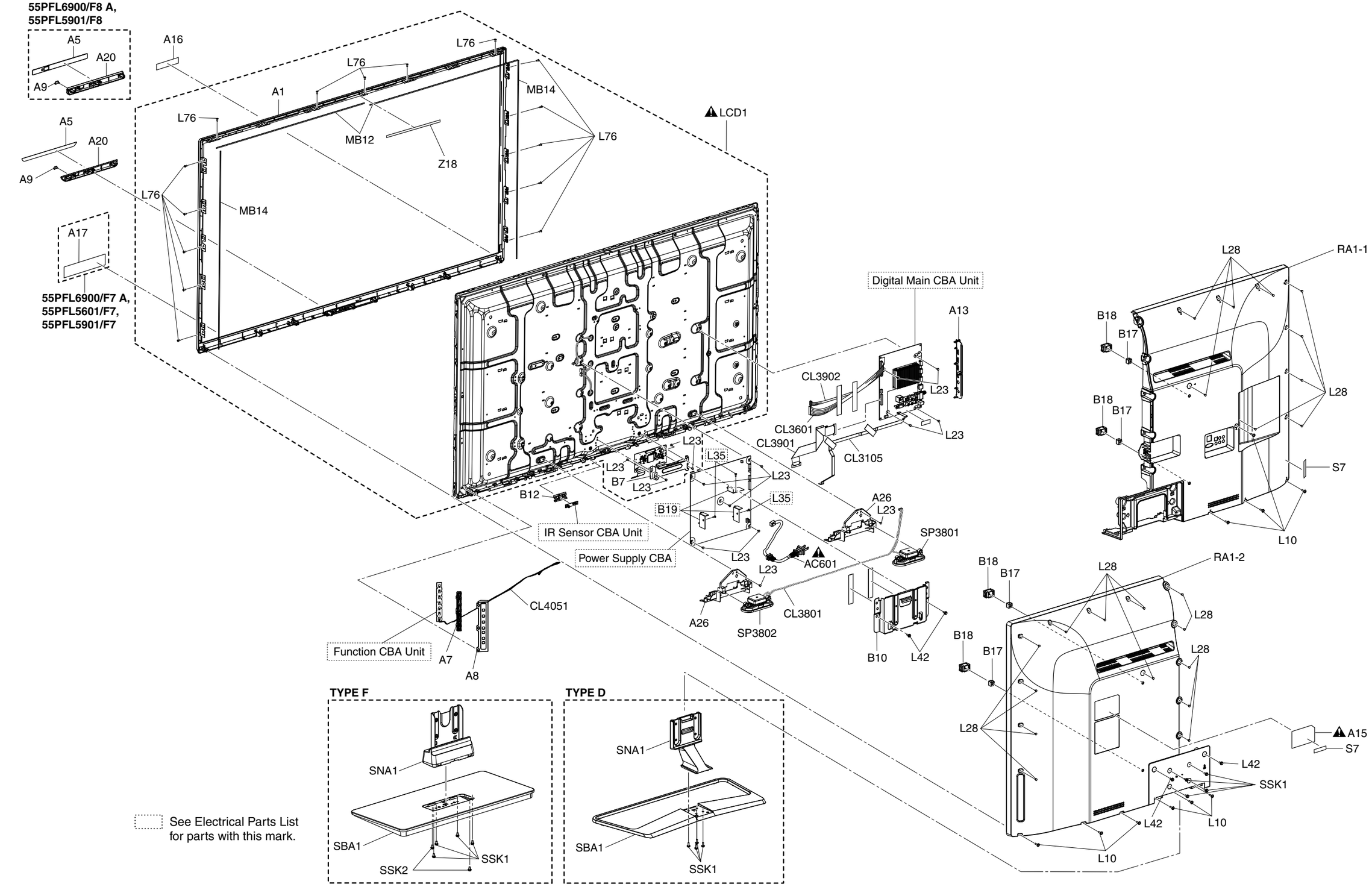
See Electrical Parts List for parts with this mark.

[55PFL4901/F8 (Serial No.: TC2)]



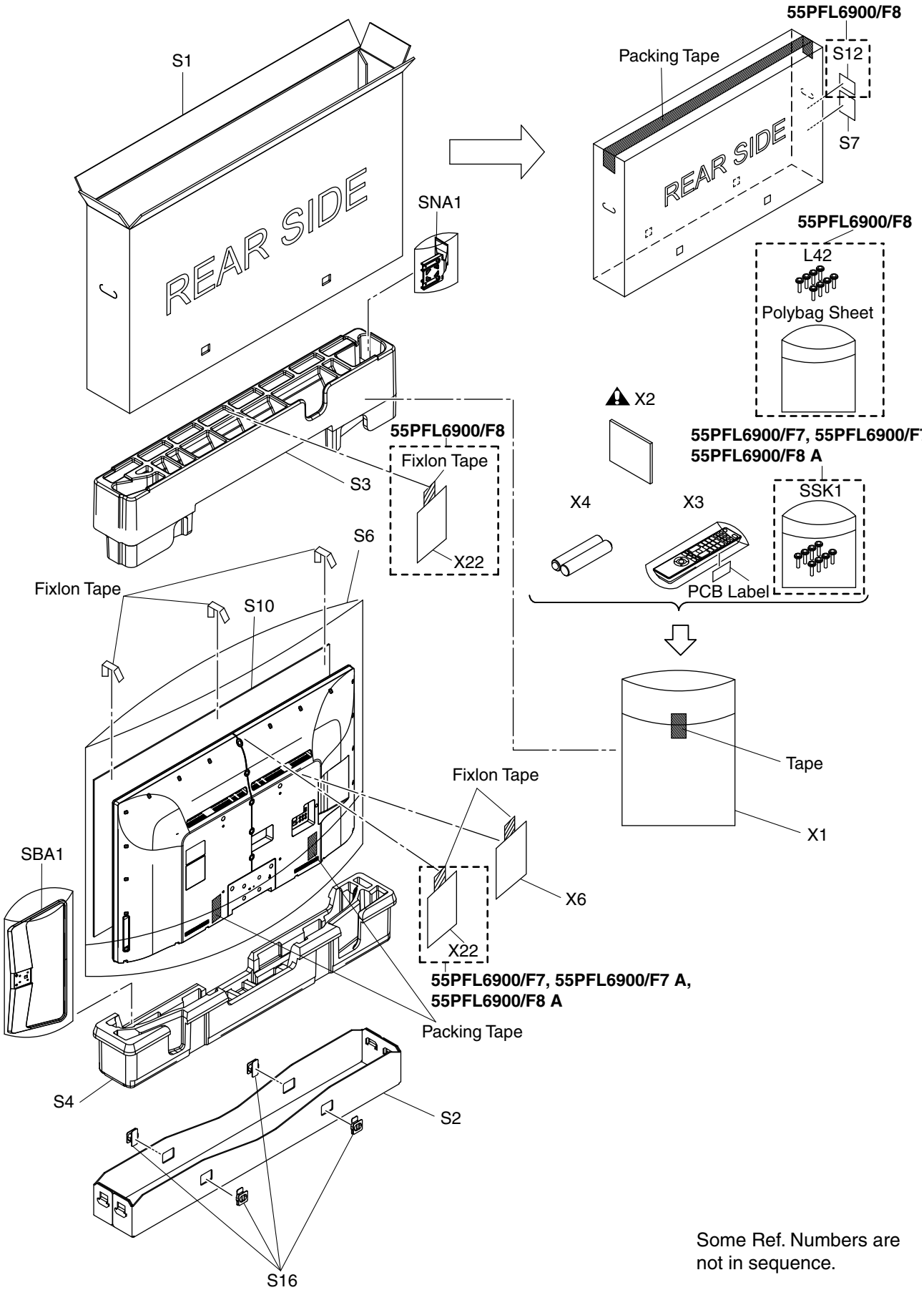
See Electrical Parts List for parts with this mark.

[TYPE D, F]



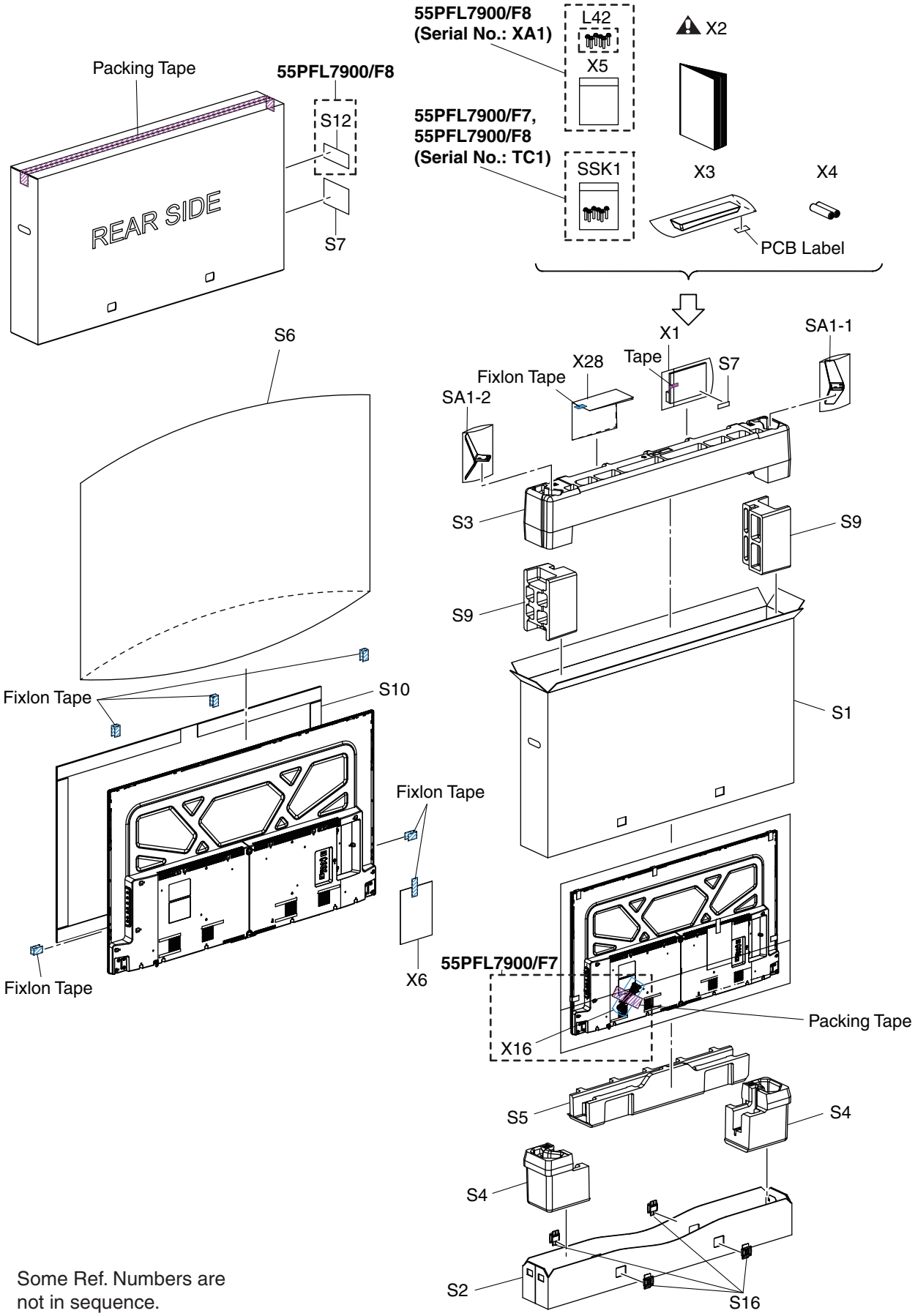
See Electrical Parts List for parts with this mark.

Packing [TYPE A, 55PFL6900/F7 A, 55PFL6900/F8 A (Serial No.:DS1)]



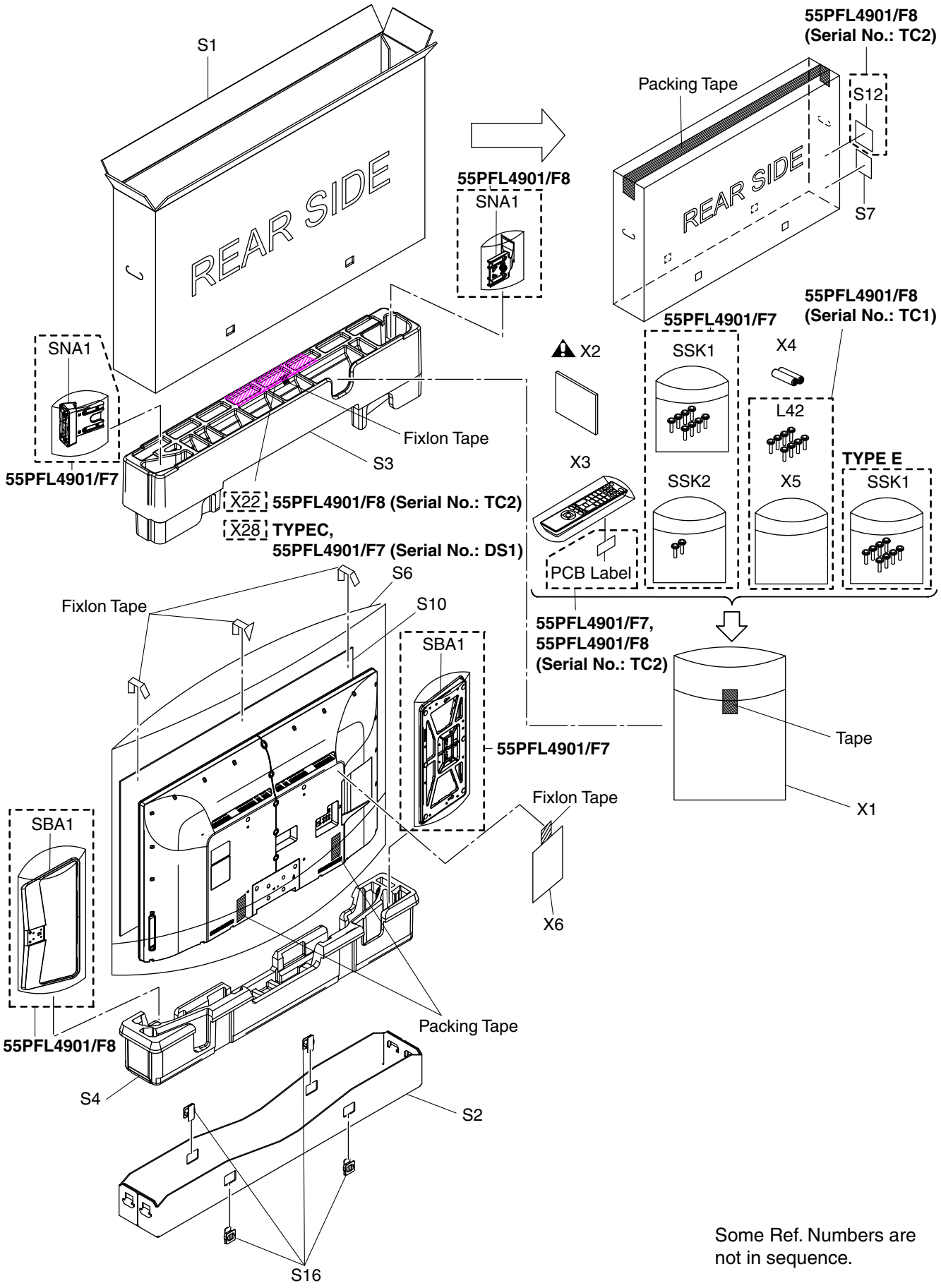
Some Ref. Numbers are not in sequence.

[TYPE B]



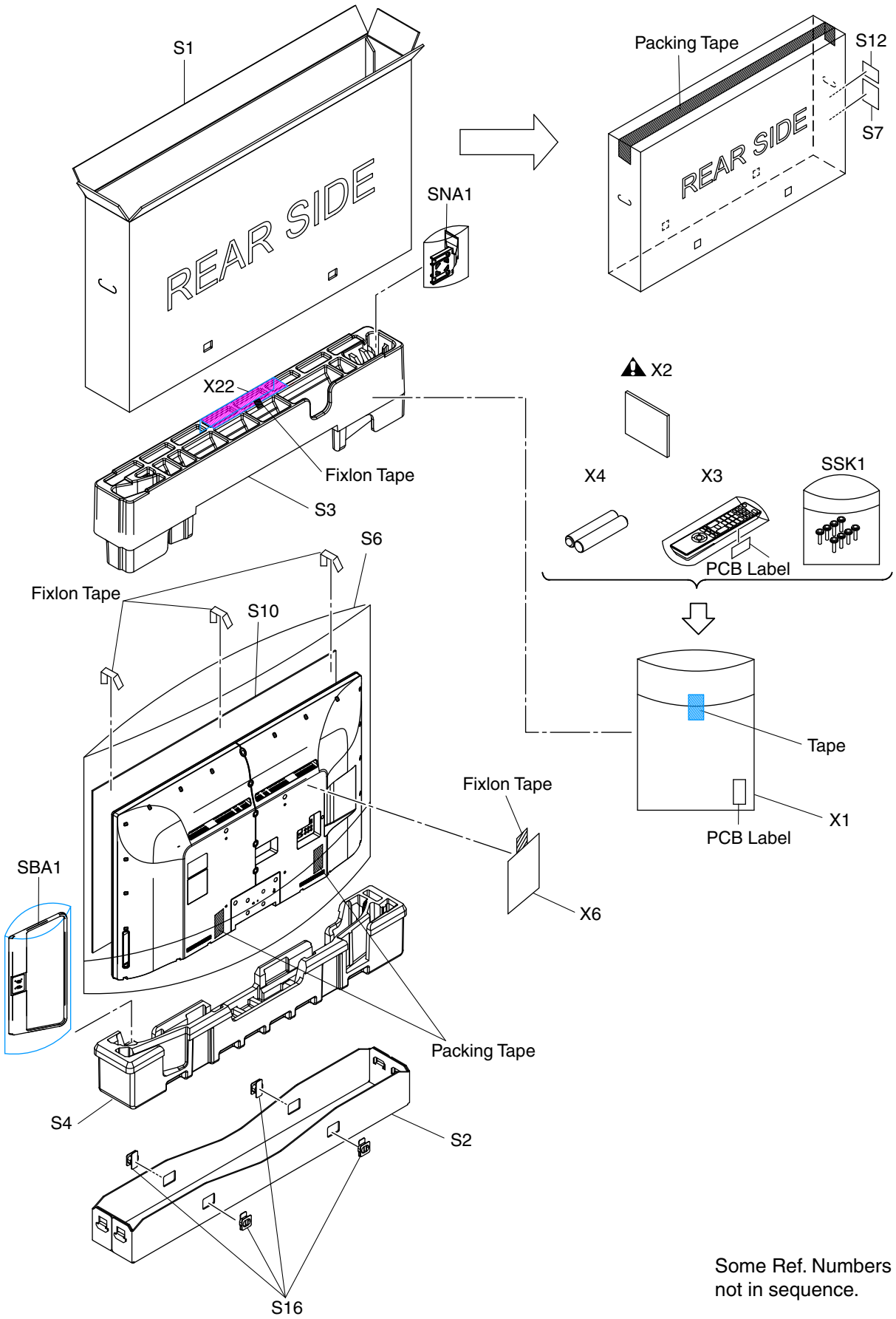
Some Ref. Numbers are
not in sequence.

[TYPE C, E]



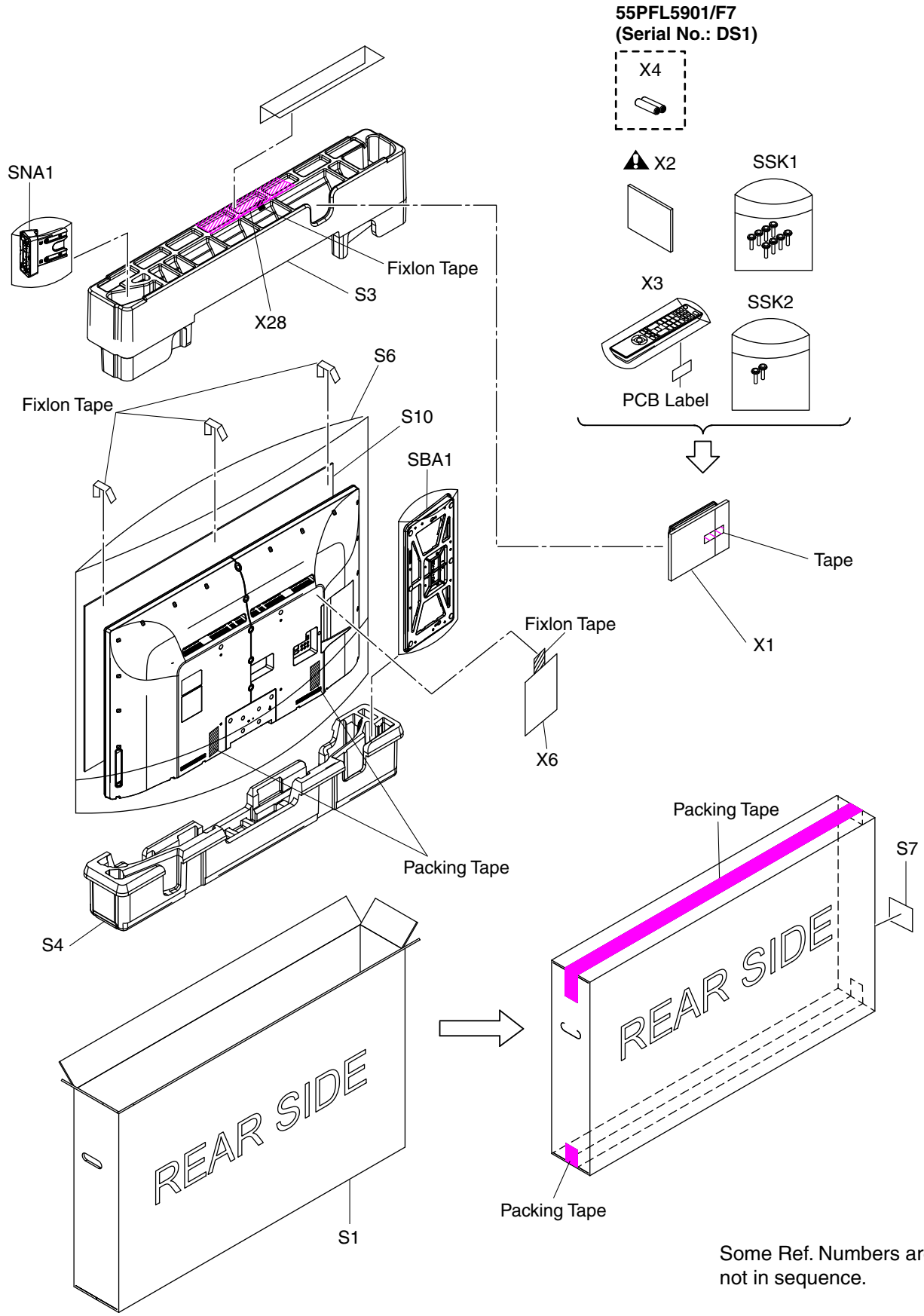
Some Ref. Numbers are not in sequence.

[55PFL6900/F8 A (Serial No.:TC1)]



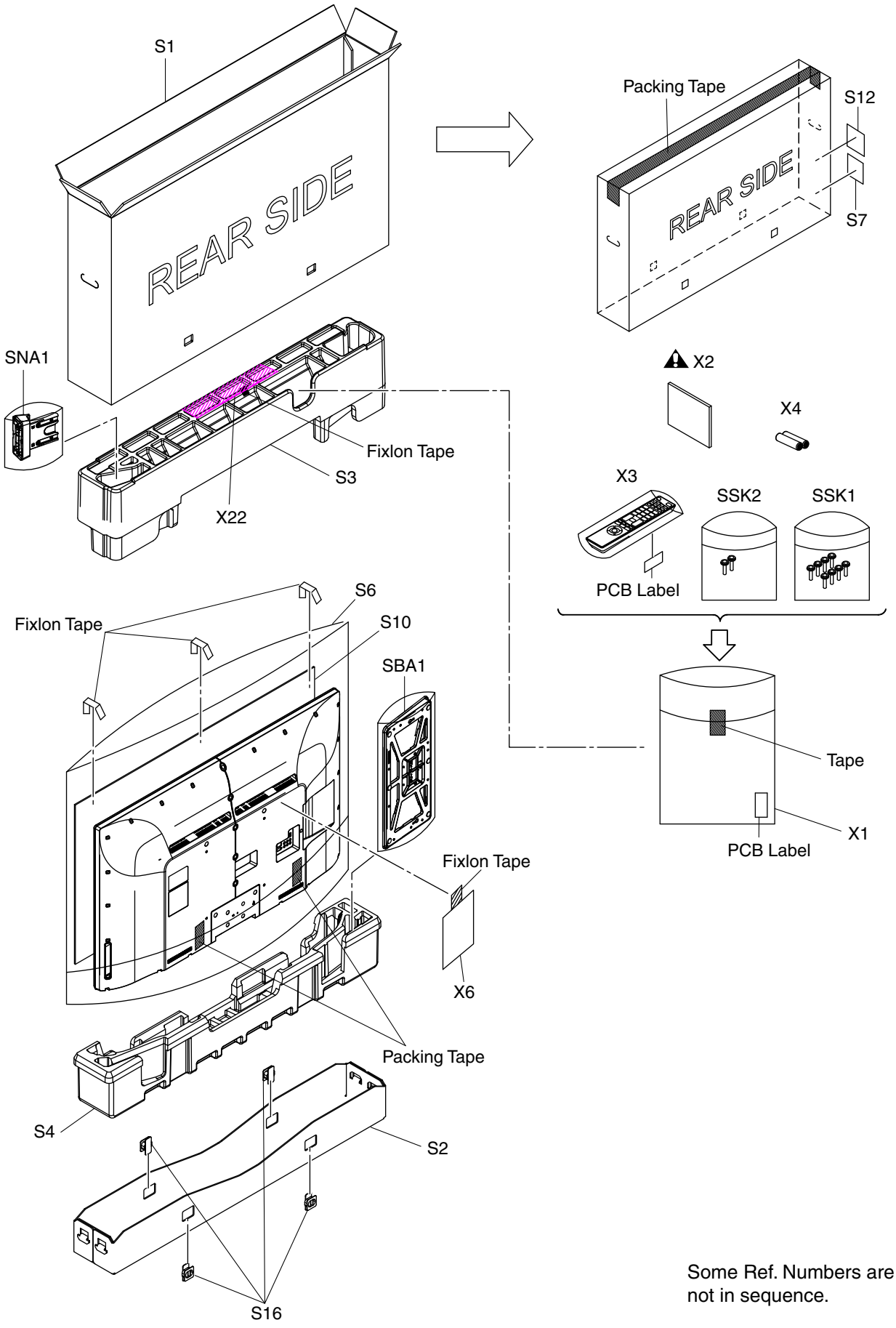
Some Ref. Numbers are not in sequence.

[55PFL5601/F7, 55PFL5901/F7]



Some Ref. Numbers are not in sequence.

[55PFL5901/F8]



Some Ref. Numbers are not in sequence.

TYPE A

PARTS LIST [55PFL6900/F7 (Serial No.: DS1)]

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.
RA1-1	REAR CABINET L ASSEMBLY A51RCUH	2EMA00140
RA1-2	REAR CABINET R ASSEMBLY A4GROUH	2EMA00137
A5	DECORATION PLATE A51RCUH	2EMH00673
A7	FUNCTION KNOB A4GF1UT	2EMM00237
A8	KNOB FRAME A4DFAUT	2EMM00325
A9	LED LENS A4DFAUT	2EMM00301A
A13	JACK HOLDER A51RCUH	2EMM00674
A15⚠	RATING LABEL A51RCUH	----------
A16	LOGO LABEL A51RCUH	----------
A17	ENERGY GUIDE LABEL A51RCUH	----------
A20	LEADING EDGE COVER A4D1BUH	2EMM00294
A26	SPEAKER HOLDER A51RCUH	2EMM00662
AC601⚠	AC CORD W/O A GND WIRE UL/CSA/1775/NO/ BLACK	WAC172LTE010
B10	STAND BRACKET A4GR0UH	2EMS00157A
B12	SENSOR SHIELD A5GRBUH	2EMS00358
B17	WALL MOUNT BRACKET A4GU0UT	2EMS00136
B18	WALL MOUNT COVER A4GU0UT	2EMM00263
CL3105	FFC WIRE ASSEMBLY 9PIN 9P/FFC/545MM	WX1A51RCS112
CL3601	WIRE ASSEMBLY 26PIN 26PIN/360MM	WX1A51RCT323
CL3801	WIRE ASSEMBLY 4PIN 4PIN/155MM&715MM	WX1A51RCT311
CL3901	FFC WIRE ASSEMBLY 51PIN(W/SHIELD) 51P/ FFC/SHIELD/288MM	WX1A51RCT441
CL3902	WIRE ASSEMBLY 6PIN 6PIN/340MM	WX1A51RCT324
CL4051	WIRE ASSEMBLY 2PIN 2PIN/585MM	WX1A4GR0T301
L10	SCREW F-PAN BLACK_NI +P-TITE M3X12.0	GCHP3120
L23	SCREW BIND 3CHROM +S-TITE M3X6.0	GBJS3060
L28	SCREW F-PAN BLACK_NI +S-TITE M3X8.0	GCHS3080
L42	SEMS-SW PAN BLACK_NI + M4X12.0	FPH34120
SBA1	STAND BASE ASSEMBLY A4D17UH	2EMA00059B
SNA1	STAND NECK A4D17UH	2EMZ00151
SP3801	SPEAKER MAGNETIC S0411F30	DS08110XQ008
SP3802	SPEAKER MAGNETIC S0411F30	DS08110XQ008
SSK1	STAND SCREW KIT A5GRBUH(SEMS-SW PAN BLACK_NI + M4X12.0)	2ESA02120
	PACKING	
S1	CARTON (TOP) A51RCUH	2EMC00750
S2	CARTON(BOTTOM) A5GRBUH	2EMC00937
S3	STYROFOAM TOP A4GR0UH	2EMC00284A
S4	STYROFOAM BOTTOM A4GR0UH	2EMC00285B
S6	SET BAG A17RHUH	1EM334731
S7	SERIAL NO. LABEL A4GF1UT	----------
S10	PROTECTION CARTON A51RJUH	2EMC01195
S16	PACKING JOINT A5GRBUH	2EMC00673

Ref. No.	Description	Part No.
	ACCESSORIES	
X1	POLYETHYLENE BAG HDPE 180X340XT0.03	1EM435579
X2⚠	OWNERS MANUAL A51RCUH	2EMN00337A
X3	REMOTE CONTROL UNIT YKF340-006	URMT41JHG006
X4	BATTERY DRY R03(SIZE AAA)	XB00M0RKT001
X6	QUICK START GUIDE A51RCUH	2EMN00338A
X22	WARNING MESSAGE FLIER A3AU2UH	2EMN00059A

LCD PANEL ASSEMBLY

Ref. No.	Description	Part No.
LCD1⚠	LCD PANEL ASSEMBLY	U5DR0P0
	Consists of the following	
A1	FRONT CABINET A4DR2UH	2EMM00292C
	When servicing the FRONT CABINET, CELL CUSHION UD (2EMZ00141), CELL CUSHION LR (2EMZ00142), and DOUBLE SIDE TAPE (1EZZ11828) needs to be ordered and replaced together.	
B7	T-CON HOLDER A45RAJH	2EMS00300
L23	SCREW BIND 3CHROM +S-TITE M3X6.0 M3X6 BIND HEAD+	GBJS3060
L76	SCREW M3X7 M3X7 LOW HEAD	2EML00004
MB12	CELL CUSHION UD A4GR0UH	2EMZ00141
MB14	CELL CUSHION LR A4GR0UH	2EMZ00142
Z18	DOUBLE SIDE TAPE A21F0UH	1EZZ11828
	LCD MODULE	----------

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	A51RCMMA-006
CN3701	WIRELESS LAN MODULE AM7221	UWLMDLACM005
IC3001	IC MSD95C0H-3-002J	NSAA0RMST003
IC3101	IC NAND FLASH 4GB TC58NVG2S0HTA00B4H	QSCA0R0TS150
IC3102	IC EEPROM 8KBIT /_1 M24C08-RMN6TP	NSCA0T0SS072
IC3301	IC 4GB DDR3 SDRAM H5TQ4G63CFR-RDC	NSCA0R0HY048
IC3302	IC 4GB DDR3 SDRAM H5TQ4G63CFR-RDC	NSCA0R0HY048
IC3401	IC 2GB DDR3 SDRAM H5TQ2G63FFR-RDC	NSCA0R0HY047
IC3402	IC 2GB DDR3 SDRAM H5TQ2G63FFR-RDC	NSCA0R0HY047
IC3501	IC 2GB DDR3 SDRAM H5TQ2G63FFR-RDC	NSCA0R0HY047
IC3502	IC 2GB DDR3 SDRAM H5TQ2G63FFR-RDC	NSCA0R0HY047
IC3601	IC RESET PST8429URA/SC-82ABA/	QSCB0T0MM075
IC3603	IC DC-DC CONVERTER MP2314GJ-Z TSOT23-8	NSCA0T09M025
IC3604	IC DC-DC CONVERTER MP2314GJ-Z TSOT23-8	NSCA0T09M025
IC3605	DDR TERMINATION REGULATOR RT9026GFP	NSCA0T00B006
IC3606	IC DC-DC CONVERTER MP2315GJ-Z TSOT23-8	NSCA0T09M026
IC3607	IC DCDC CONVERTER RT8298ZSP	NSCA0T00B024
IC3608	IC DC-DC CONVERTER MP2314GJ-Z TSOT23-8	NSCA0T09M025
IC3609	DDR TERMINATION REGULATOR RT9026GFP	NSCA0T00B006
IC3610	IC REGULATOR AP1117E33G-13 /3PIN	NSCA0TDES017
IC3701	IC USB HIGH-SIDE SW AP2151WG-7/SOT25/5PI	NSCA0TDES015
IC3803	IC D-CLASS AUDIO POWER AMPLIFI TPA3110D2PWPR	NSCA0T0TY073
IC5001	IC MST7410DY	NSAA0RMST004
IC5002	IC 32M-BIT SERIAL FLASH MEMORY W25Q32FVSSIG	NSCA0R0ZM018
IC5602	IC DC-DC CONVERTER MP2314GJ-Z TSOT23-8	NSCA0T09M025
IC5604	IC DCDC CONVERTER RT7258GSP	NSCA0T00B023
IC5605	DDR TERMINATION REGULATOR RT9026GFP	NSCA0T00B006
IC5606	IC REGULATOR AP1117E33G-13 /3PIN	NSCA0TDES017
TU3001	TUNER UNIT U9004UH	U9004UH
	When you replace one of the below ICs on this CBA, replace with the one that has the same part number. Do not mix ICs with different part number.	
IC5003	IC 1GB DDR3 SDRAM NT5CB64M16FP-EK	NSCA0R0J2021
IC5006	IC 1GB DDR3 SDRAM NT5CB64M16FP-EK	NSCA0R0J2021
	or	
IC5003	IC 1GB DDR3 SDRAM K4B1G1646G-BCMA	NSCA0R0SM060
IC5006	IC 1GB DDR3 SDRAM K4B1G1646G-BCMA	NSCA0R0SM060

MSW ASSEMBLY

Ref. No.	Description	Part No.
	MSW ASSEMBLY	A51RCMSW-001
	Consists of the following	
	FUNCTION CBA UNIT	A51RCMSW-001-FN
	IR SENSOR CBA UNIT	A51RCMSW-001-IR
IC4051	IC LIGHT SENSOR CPS295JT	QP1ZCPS295JT

POWER SUPPLY CBA

Ref. No.	Description	Part No.
	POWER SUPPLY CBA	A51RCMPW-001
	Consists of the following	
	CAPACITORS	
C602	CAP METALLIZED FILM 0.1µF/310V /K/LE-MX	CTA1040DC001
C604⚠	CAP METALLIZED FILM 0.1µF/310V /K/LE-MX	CTA1040DC001
C605	CAP ELE 33µF/400V/M/85	CEN3300V8007
C606	CERAMIC CAP. 220pF/2kV	CA3D221PAN04
C607	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C608	CHIP CERAMIC CAP. CH J 150pF/50V	CHD1JJ3CH151
C610	CHIP CERAMIC CAP. B K 470pF/50V	CHD1JK30B471
C611	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C612	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C614⚠	CAP METALLIZED FILM 1.0µF/310V /K/LE-MX	CTA1050DC001
C615	CAP ELE 22µF/50V/M/85	CEF2200V8006
C616	CAP ELE 47µF/50V/M/85	CEF4700V8006
C619⚠	CAP CERAMIC SAFETY 1000pF/250V E M KX	CJMR102M42E1
C620	CAP ELE 33µF/35V/M/85	CEE3300V8006
C621	CHIP CERAMIC CAP.(1608) B K 4700pF/50V	CHD1JK30B472
C622	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C624	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C625	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C650	CAP CHIP X7R 3216 1500pF/630V/X7R	CHD1520TE009
C651	CAP ELE 470µF/25V/M/85	CED4710V8006
C652	CAP ELE 470µF/25V/M/85	CED4710V8006
C654	CAP ELE 1000µF/16V/M/85	CEC1020V8006
C655	CAP ELE 1000µF/16V/M/85	CEC1020V8006
C656	CAP ELE 1µF/50V/M/85	CEF1R00V8006
C660	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C665	CAP CHIP X7R 3216 1500pF/630V/X7R	CHD1520TE009
C669	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C691	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C693	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CHD1CK30B225
C702	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C703	CHIP CERAMIC CAP.(2125) B K 4.7µF/25V	CA1E475MR084
C721	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C723	CAP ELE 1000µF/35V/M/85	CEE1020V8007
C724	CAP ELE 1000µF/35V/M/85	CEE1020V8007
C725	CAP CHIP X7R 3216 1500pF/630V/X7R	CHD1520TE009
C731	CAP ELE 1000µF/16V/M/85	CEC1020V8006
C734	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1001	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1002	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1004	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1101	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1102	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1103	CAP ELE 220µF/35V/M/85	CEE2210V8006
C1105	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1106	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224

Ref. No.	Description	Part No.
C1107	CHIP CERAMIC CAP.(1608) B K 0.047µF/25V	CHD1EK30B473
C1108	CHIP CERAMIC CAP. B K 560pF/50V	CHD1JK30B561
C1109	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1110	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CHD1CK30B225
C1112	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1113	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1114	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1116	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1117	CAP ELE 220µF/63V/M/85	CEG2210V8007
C1201	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1202	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1203	CAP ELE 220µF/35V/M/85	CEE2210V8006
C1205	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1206	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1207	CHIP CERAMIC CAP.(1608) B K 0.047µF/25V	CHD1EK30B473
C1208	CHIP CERAMIC CAP. B K 560pF/50V	CHD1JK30B561
C1209	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1210	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CHD1CK30B225
C1212	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1213	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1214	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1216	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1217	CAP ELE 220µF/63V/M/85	CEG2210V8007
C1301	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1302	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1303	CAP ELE 220µF/35V/M/85	CEE2210V8006
C1305	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1306	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1307	CHIP CERAMIC CAP.(1608) B K 0.047µF/25V	CHD1EK30B473
C1308	CHIP CERAMIC CAP. B K 560pF/50V	CHD1JK30B561
C1309	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1310	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CHD1CK30B225
C1312	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1313	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1314	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1316	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1317	CAP ELE 220µF/63V/M/85	CEG2210V8007
C1401	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1402	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1403	CAP ELE 220µF/35V/M/85	CEE2210V8006
C1405	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1406	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1407	CHIP CERAMIC CAP.(1608) B K 0.047µF/25V	CHD1EK30B473
C1408	CHIP CERAMIC CAP. B K 560pF/50V	CHD1JK30B561
C1409	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1410	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CHD1CK30B225
C1412	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1413	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1414	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1416	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1417	CAP ELE 220µF/63V/M/85	CEG2210V8007
C1601	CHIP CERAMIC CAP. B K 8200pF/50V	CHD1JK30B822
C1602	CAP ELE 4.7µF/50V/M/85	CEF4R70V8006
C1603	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1604	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C1605	CHIP CERAMIC CAP. B K 1200pF/50V	CHD1JK30B122
C1606	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1607	CHIP CERAMIC CAP. B K 1200pF/50V	CHD1JK30B122
C1608	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1609	CHIP CERAMIC CAP.(1608) CH J 22pF/50V	CHD1JJ3CH220
C1610	CHIP CERAMIC CAP.(1608) CH J 22pF/50V	CHD1JJ3CH220
C1611	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1612⚠	CAP METALLIZED FILM 0.47µF/310V /K/LE-MX	CTA4740DC001

Ref. No.	Description	Part No.
C1613	CERAMIC CAP. 220pF/2kV	CA3D221PAN04
C1614	CERAMIC CAP. 220pF/2kV	CA3D221PAN04
C1616	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1618	CAP ELE 10µF/50V/M/85	CEF1000V8006
C1621	CAP ELECTROLYTIC 120µF/400V/M/25/25	CA2H121DYG18
C1701	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1702	CHIP CERAMIC CAP. CH J 150pF/50V	CHD1JJ3CH151
C1703	CHIP CERAMIC CAP. B K 220pF/50V	CHD1JK30B221
C1704	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1706	CERAMIC CAP. 220pF/2kV	CA3D221PAN04
C1707⚠	CAP CERAMIC SAFETY 1000pF/250V E M KX	CJMR102M42E1
C1708	CAP ELE 33µF/400V/M/85	CEN3300V8007
C1709	CAP ELE 220µF/10V/M/85	CEB2210V8006
C1710	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C1726	CAP CHIP X7R 3216 1500pF/630V/X7R	CHD1520TE009
CONNECTORS		
CN601⚠	CONNECTOR B2P3-VH(LF)(SN)	J3VH020JG001
CN651	PH CONNECTOR TOP 26P B26B-PHDSS-B(LF)(SN)	J3F5D26JG003
CN652	PH CONNECTOR TOP 6P /H_ B6B-PH-K-S (LF)(SN)	J3PHC06JG029
CN1101	CONNECTOR PRINT OSU JS-1125-02KK	J3JT02CHY002
CN1201	CONNECTOR PRINT OSU JS-1125-04(K)	J3JT04CHY001
CN1401	CONNECTOR PRINT OSU JS-1125-02KK	J3JT02CHY002
DIODES		
D601⚠	DIODE 1N5406BH	NDL1001N5406
D602⚠	DIODE 1N5406BH	NDL1001N5406
D603⚠	DIODE 1N5406BH	NDL1001N5406
D604⚠	DIODE 1N5406BH	NDL1001N5406
D605	RECTIFIER DIODE 1N4005	NDWZ001N4005
D606	RECTIFIER DIODE 1N4005	NDWZ001N4005
D607	DIODE 1N5406BH	NDL1001N5406
D609A	DIODE SCHOTTKY SMD CES520.L3F(D	QD1Z00CES520
D613A	DIODE ZENER SMD KDZVTR36B	QD1B0KDZV36B
D615	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D616	ZENER DIODE SMD TFZVTR27B	QD1B00TFZV27
D618	ZENER DIODE SMD TFZVTR18B	QD1B00TFZV18
D619A	DIODE FAST RECOVERY RS1GJTD	ND1Z0RS1GJTD
D620A	DIODE FAST RECOVERY RS1GJTD	ND1Z0RS1GJTD
D621A	DIODE FAST RECOVERY RS1GJTD	ND1Z0RS1GJTD
D623	ZENER DIODE MM5Z5V6B	ND1BMM5Z5V6B
D650	DIODE SHOTTKY SB3200BR	NDWZ3200D027
D651	DIODE SHOTTKY SB3200BR	NDWZ3200D027
D655	DIODE SHOTTKY FCH20A20	QDWZFCH20A20
D656	DIODE FAST RECOVERY RS1GJTD	ND1Z0RS1GJTD
D657	ZENER DIODE MM5Z4V3B	ND1BMM5Z4V3B
D660	IC SHUNT REGULATOR SNF431AS	NSCA0TAUK006
D661	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D664A	DIODE FAST RECOVERY RS1KJTD	ND1Z0RS1KJTD
D701	ZENER DIODE MM5Z10B	ND1B0MM5Z10B
D704	IC SHUNT REGULATOR SNF431AS	NSCA0TAUK006
D710	DIO DE SCHOTTKY BARRIER SB3200BS	NDWZSB3200BS
D711	DIO DE SCHOTTKY BARRIER SB3200BS	NDWZSB3200BS
D712	DIO DE SCHOTTKY BARRIER SB3200BS	NDWZSB3200BS
D751	IC SHUNT REGULATOR SNF431AS	NSCA0TAUK006
D1101	DIODE SCHOTTKY BARRIER SB2150BD	NDWZ00SB2150
D1103	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D1104	ZENER DIODE MM5Z16B	ND1B0MM5Z16B
D1105	ZENER DIODE MM5Z16B	ND1B0MM5Z16B
D1201	DIODE SCHOTTKY BARRIER SB2150BD	NDWZ00SB2150
D1203	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D1204	ZENER DIODE MM5Z16B	ND1B0MM5Z16B
D1205	ZENER DIODE MM5Z16B	ND1B0MM5Z16B

Ref. No.	Description	Part No.
D1301	DIODE SCHOTTKY BARRIER SB2150BD	NDWZ00SB2150
D1303	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D1304	ZENER DIODE MM5Z16B	ND1B0MM5Z16B
D1305	ZENER DIODE MM5Z16B	ND1B0MM5Z16B
D1401	DIODE SCHOTTKY BARRIER SB2150BD	NDWZ00SB2150
D1403	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D1404	ZENER DIODE MM5Z16B	ND1B0MM5Z16B
D1405	ZENER DIODE MM5Z16B	ND1B0MM5Z16B
D1603	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1605	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1608	ZENER DIODE SMD TFZVTR16B	QD1B00TFZV16
D1705A	DIODE SCHOTTKY SMD CES520.L3F(D	QD1Z00CES520
D1714A	DIODE FAST RECOVERY RS1KJTD	ND1Z0RS1KJTD
D1716	DIODE ZENER SMD KDZVTR36B	QD1B0KDZV36B
	ICS	
IC601	IC SWITCHING FA5640N-C6-TE3/SOP-8	QSCA0T0FD007
IC602⚠	O-E DEVICE PHOTO COUPLER TLP785F(D4FNBLLF(C	QPEL0TLP785F
IC604	IC SHUNT REGULATOR SNF431AS	NSCA0TAUK006
IC1101	IC LED BACKLIGHT CONTROLLER BD9486F-GE2/SOP/16P	QSCA0T0RM425
IC1201	IC LED BACKLIGHT CONTROLLER BD9486F-GE2/SOP/16P	QSCA0T0RM425
IC1301	IC LED BACKLIGHT CONTROLLER BD9486F-GE2/SOP/16P	QSCA0T0RM425
IC1401	IC LED BACKLIGHT CONTROLLER BD9486F-GE2/SOP/16P	QSCA0T0RM425
IC1601	IC DUAL-PHASE PFC CONTROLLER UCC28063DR/R-PDSO-G	NSCA0T0TY087
IC1602⚠	O-E DEVICE PHOTO COUPLER TLP785F(D4FNBLLF(C	QPEL0TLP785F
IC1701	IC SWITCHING FA5640N-C6-TE3/SOP-8	QSCA0T0FD007
IC1702⚠	O-E DEVICE PHOTO COUPLER TLP785F(D4FNBLLF(C	QPEL0TLP785F
	COILS	
L601A⚠	LINE FILTER JLB24138	LLEG0Z0XB034
L602A⚠	LINE FILTER JLB24138	LLEG0Z0XB034
L1101	COIL POWER INDUCTORS DIP RP1315BNP-101M/100µH	LLF1010SF013
L1102	COIL CHIP BEADS PZ2012D121-2R5T(F)	LLF121SSN006
L1201	COIL POWER INDUCTORS DIP RP1315BNP-101M/100µH	LLF1010SF013
L1202	COIL CHIP BEADS PZ2012D121-2R5T(F)	LLF121SSN006
L1301	COIL POWER INDUCTORS DIP RP1315BNP-101M/100µH	LLF1010SF013
L1302	COIL CHIP BEADS PZ2012D121-2R5T(F)	LLF121SSN006
L1401	COIL POWER INDUCTORS DIP RP1315BNP-101M/100µH	LLF1010SF013
L1402	COIL CHIP BEADS PZ2012D121-2R5T(F)	LLF121SSN006
	TRANSISTORS	
Q601	FET MOS TK5A65D(STA4 A Q)	QFEZTK5A65DQ
Q602	FET MOS TK3P50D RQ(S	QF2Z0TK3P50D
Q603	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q650	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q653	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q654	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q691	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q692	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q701	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q702	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q704	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q706	FET MOS SMD TK40P04M1(T6RSS-Q)	QF1ZK40P04M1
Q707	PNP TRANSISTOR SMD 2SA1576UBTLQ	QQ1Q2SA1576U
Q708	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q709	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q1001	PNP TRANSISTOR SMD 2SA1576UBTLQ	QQ1Q2SA1576U
Q1002	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S

Ref. No.	Description	Part No.
Q1003	PNP TRANSISTOR SMD 2SA1576UBTLQ	QQ1Q2SA1576U
Q1004	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q1101	FET MOS SMD AP18T10AGH-HF	NF2Z18T10AGH
Q1103	FET MOS SMD AP18T10AGH-HF	NF2Z18T10AGH
Q1201	FET MOS SMD AP18T10AGH-HF	NF2Z18T10AGH
Q1203	FET MOS SMD AP18T10AGH-HF	NF2Z18T10AGH
Q1301	FET MOS SMD AP18T10AGH-HF	NF2Z18T10AGH
Q1303	FET MOS SMD AP18T10AGH-HF	NF2Z18T10AGH
Q1401	FET MOS SMD AP18T10AGH-HF	NF2Z18T10AGH
Q1403	FET MOS SMD AP18T10AGH-HF	NF2Z18T10AGH
Q1601	FET MOS TK7P60W.RVQ(S	QF2Z0TK7P60W
Q1602	FET MOS TK7P60W.RVQ(S	QF2Z0TK7P60W
Q1603	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q1604	NPN TRANSISTOR SMD 2SC5344SY	NQZY2SC5344S
Q1607	PNP TRANSISTOR SMD 2SA1576UBTLQ	QQ1Q2SA1576U
Q1701	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q1702	PNP TRANSISTOR SMD 2SA1576UBTLQ	QQ1Q2SA1576U
Q1704	FET MOS TK6A65D(STA4.X.M)	QFEZTK6A65DS
	RESISTORS	
R601⚠	RES. CARBON FILM J 1/2W J 1.2M Ω	RCX2125T1003
R604	RES CHIP 1608 1/10W F 2.70k Ω	RTW2701HH008
R605	RES CHIP 1608 1/10W J 270 Ω	RRXA271HH013
R606	RES CHIP 1608 1/10W J 12k Ω	RRXA123HH013
R607	RES CHIP 1608 1/10W J 3.3k Ω	RRXA332HH013
R608	RES CHIP 1608 1/10W J 22 Ω	RRXA220HH013
R609	RES CHIP 1608 1/10W J 820k Ω	RRXA824HH013
R610	RES CHIP 3216 1/4W J 15k Ω	RRX4153HH034
R611	RES CHIP 3216 1/4W J 15k Ω	RRX4153HH034
R614	RES CHIP 3216 1/4W J 15k Ω	RRX4153HH034
R617	RES CHIP 3216 1/4W J 22k Ω	RRX4223HH034
R618	METALOXIDE RES 2W J 0.12 Ω	RNBR12PAK004
R619	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R620	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R623	RES CHIP 1608 1/10W F 1.80k Ω	RTW1801HH008
R624	RES CHIP 3216 1/4W F 510k Ω	RTC5103HH020
R625	RES CHIP 3216 1/4W F 510k Ω	RTC5103HH020
R626	RES CHIP 3216 1/4W F 510k Ω	RTC5103HH020
R627	RES CHIP 1608 1/10W F 36.0k Ω	RTW3602HH008
R628	RES CHIP 1608 1/10W J 22k Ω	RRXA223HH013
R629	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R630	RES CHIP 3216 1/4W J 270k Ω	RRX4274HH034
R631	RES CHIP 3216 1/4W J 270k Ω	RRX4274HH034
R632	RES CHIP 1608 1/10W J 1.2k Ω	RRXA122HH013
R633	RES CHIP 1608 1/10W J 1.2k Ω	RRXA122HH013
R634	RES CHIP 1608 1/10W J 270 Ω	RRXA271HH013
R635	RES CHIP 1608 1/10W J 1.2k Ω	RRXA122HH013
R636	RES CHIP 1608 1/10W J 10 Ω	RRXA100HH013
R650	RES CHIP 3216 1/4W J 2.2 Ω	RRX42R2HH034
R651	RES CHIP 1608 1/10W J 1.0 Ω	RRXA1R0HH013
R652	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R653	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R654	RES CHIP 3216 1/4W J 220 Ω	RRX4221HH034
R655	RES CHIP 3216 1/4W J 220 Ω	RRX4221HH034
R656	RES CHIP 1608 1/10W J 4.3k Ω	RRXA432HH013
R657	RES CHIP 3216 1/4W J 3.9k Ω	RRX4392HH034
R658	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R659	RES CHIP 1608 1/10W F 68.0k Ω	RTW6802HH008
R660	RES CHIP 1608 1/10W F 3.00k Ω	RTW3001HH008
R661	RES CHIP 1608 1/10W F 6.80k Ω	RTW6801HH008
R662	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R666	RES CHIP 1608 1/10W J 62k Ω	RRXA623HH013
R668	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013

Ref. No.	Description	Part No.
R669	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R674	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R675	RES CHIP 1608 1/10W F 100k Ω	RTW1003HH008
R691	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R692	RES CHIP 1608 1/10W J 330 Ω	RRXA331HH013
R693	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R694	RES CHIP 1608 1/10W J 5.6k Ω	RRXA562HH013
R695	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R701	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R702	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R703	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R704	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R705	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R706	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R707	RES CHIP 1608 1/10W J 22k Ω	RRXA223HH013
R725	RES CHIP 3216 1/4W J 2.2 Ω	RRX42R2HH034
R738	RES CHIP 3216 1/4W J 270 Ω	RRX4271HH034
R739	RES CHIP 3216 1/4W J 1.5k Ω	RRX4152HH034
R740	RES CHIP 1608 1/10W F 20.0k Ω	RTW2002HH008
R741	RES CHIP 3216 1/4W J 270 Ω	RRX4271HH034
R743	RES CHIP 1608 1/10W F 30.0k Ω	RTW3002HH008
R744	RES CHIP 1608 1/10W F 2.70k Ω	RTW2701HH008
R745	RES CHIP 1608 1/10W F 3.30k Ω	RTW3301HH008
R757	RES CHIP 1608 1/10W F 33.0k Ω	RTW3302HH008
R758	RES CHIP 1608 1/10W F 5.10k Ω	RTW5101HH008
R759	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R760	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R761	RES CHIP 1608 1/10W J 1.8k Ω	RRXA182HH013
R762	RES CHIP 1608 1/10W J 22k Ω	RRXA223HH013
R763	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R764	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R765	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R766	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R768	RES CHIP 1608 1/10W J 10 Ω	RRXA100HH013
R1001	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1002	RES CHIP 1608 1/10W J 3.9k Ω	RRXA392HH013
R1003	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1004	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R1005	RES CHIP 1608 1/10W J 3.9k Ω	RRXA392HH013
R1006	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1007	RES CHIP 1608 1/10W J 3.9k Ω	RRXA392HH013
R1008	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1009	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R1010	RES CHIP 1608 1/10W J 3.9k Ω	RRXA392HH013
R1101	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1102	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1103	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1104	RES CHIP 1608 1/10W J 39 Ω	RRXA390HH013
R1106	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1107	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1108	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1109	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1110	RES CHIP 1608 1/10W F 36.0k Ω	RTW3602HH008
R1111	RES CHIP 1608 1/10W F 24.0k Ω	RTW2402HH008
R1112	RES CHIP 1608 1/10W F 2.20k Ω	RTW2201HH008
R1113	RES CHIP 1608 1/10W J 33 Ω	RRXA330HH013
R1115	METALOXIDE RES 1W J 0.12Ω	RNJR12PAK001
R1118	RES CHIP 1608 1/10W J 200 Ω	RRXA201HH013
R1119	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1120	RES CHIP 1608 1/10W J 120 Ω	RRXA121HH013
R1121	RES CHIP 1608 1/10W J 51 Ω	RRXA510HH013
R1123	RES CHIP 1608 1/10W J 4.7k Ω	RRXA472HH013
R1124	RES CHIP 1608 1/10W J 4.7k Ω	RRXA472HH013

Ref. No.	Description	Part No.
R1125	RES CHIP 1608 1/10W F 200k Ω	RTW2003HH008
R1126	RES CHIP 1608 1/10W F 200k Ω	RTW2003HH008
R1127	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1128	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1129	RES CHIP 3216 1/4W F 0.62 Ω	RTR620RYL007
R1130	RES CHIP 3216 1/4W F 0.56 Ω	RTR560RYL007
R1131	RES CHIP 3216 1/4W F 0.56 Ω	RTR560RYL007
R1201	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1202	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1203	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1204	RES CHIP 1608 1/10W J 39 Ω	RRXA390HH013
R1206	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1207	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1208	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1209	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1210	RES CHIP 1608 1/10W F 36.0k Ω	RTW3602HH008
R1211	RES CHIP 1608 1/10W F 24.0k Ω	RTW2402HH008
R1212	RES CHIP 1608 1/10W F 2.20k Ω	RTW2201HH008
R1213	RES CHIP 1608 1/10W J 33 Ω	RRXA330HH013
R1215	METALOXIDE RES 1W J 0.12Ω	RNJR12PAK001
R1218	RES CHIP 1608 1/10W J 200 Ω	RRXA201HH013
R1219	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1220	RES CHIP 1608 1/10W J 120 Ω	RRXA121HH013
R1221	RES CHIP 1608 1/10W J 51 Ω	RRXA510HH013
R1223	RES CHIP 1608 1/10W J 4.7k Ω	RRXA472HH013
R1224	RES CHIP 1608 1/10W J 4.7k Ω	RRXA472HH013
R1225	RES CHIP 1608 1/10W F 200k Ω	RTW2003HH008
R1226	RES CHIP 1608 1/10W F 200k Ω	RTW2003HH008
R1227	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1228	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1229	RES CHIP 3216 1/4W F 0.62 Ω	RTR620RYL007
R1230	RES CHIP 3216 1/4W F 0.56 Ω	RTR560RYL007
R1231	RES CHIP 3216 1/4W F 0.56 Ω	RTR560RYL007
R1301	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1302	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1303	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1304	RES CHIP 1608 1/10W J 39 Ω	RRXA390HH013
R1306	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1307	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1308	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1309	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1310	RES CHIP 1608 1/10W F 36.0k Ω	RTW3602HH008
R1311	RES CHIP 1608 1/10W F 24.0k Ω	RTW2402HH008
R1312	RES CHIP 1608 1/10W F 2.20k Ω	RTW2201HH008
R1313	RES CHIP 1608 1/10W J 33 Ω	RRXA330HH013
R1315	METALOXIDE RES 1W J 0.12Ω	RNJR12PAK001
R1318	RES CHIP 1608 1/10W J 200 Ω	RRXA201HH013
R1319	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1320	RES CHIP 1608 1/10W J 120 Ω	RRXA121HH013
R1321	RES CHIP 1608 1/10W J 51 Ω	RRXA510HH013
R1323	RES CHIP 1608 1/10W J 4.7k Ω	RRXA472HH013
R1324	RES CHIP 1608 1/10W J 4.7k Ω	RRXA472HH013
R1325	RES CHIP 1608 1/10W F 200k Ω	RTW2003HH008
R1326	RES CHIP 1608 1/10W F 200k Ω	RTW2003HH008
R1327	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1328	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1329	RES CHIP 3216 1/4W F 0.62 Ω	RTR620RYL007
R1330	RES CHIP 3216 1/4W F 0.56 Ω	RTR560RYL007
R1331	RES CHIP 3216 1/4W F 0.56 Ω	RTR560RYL007
R1401	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1402	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1403	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1404	RES CHIP 1608 1/10W J 39 Ω	RRXA390HH013

Ref. No.	Description	Part No.
R1406	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1407	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1408	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1409	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1410	RES CHIP 1608 1/10W F 36.0k Ω	RTW3602HH008
R1411	RES CHIP 1608 1/10W F 24.0k Ω	RTW2402HH008
R1412	RES CHIP 1608 1/10W F 2.20k Ω	RTW2201HH008
R1413	RES CHIP 1608 1/10W J 33 Ω	RRXA330HH013
R1415	METALOXIDE RES 1W J 0.12Ω	RNJR12PAK001
R1418	RES CHIP 1608 1/10W J 200 Ω	RRXA201HH013
R1419	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1420	RES CHIP 1608 1/10W J 120 Ω	RRXA121HH013
R1421	RES CHIP 1608 1/10W J 51 Ω	RRXA510HH013
R1423	RES CHIP 1608 1/10W J 4.7k Ω	RRXA472HH013
R1424	RES CHIP 1608 1/10W J 4.7k Ω	RRXA472HH013
R1425	RES CHIP 1608 1/10W F 200k Ω	RTW2003HH008
R1426	RES CHIP 1608 1/10W F 200k Ω	RTW2003HH008
R1427	RES CHIP 1608 1/10W F 22.0k Ω	RTW2202HH008
R1428	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1429	RES CHIP 3216 1/4W F 0.62 Ω	RTR620RYL007
R1430	RES CHIP 3216 1/4W F 0.56 Ω	RTR560RYL007
R1431	RES CHIP 3216 1/4W F 0.56 Ω	RTR560RYL007
R1601	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1602	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1604	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1605	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1606	RES CHIP 1608 1/10W J 120k Ω	RRXA124HH013
R1607	RES CHIP 1608 1/10W F 220 Ω	RTW2200HH008
R1608	RES CHIP 1608 1/10W F 51.0k Ω	RTW5102HH008
R1609	RES CHIP 1608 1/10W J 5.6k Ω	RRXA562HH013
R1610	RES CHIP 1608 1/10W F 18.0k Ω	RTW1802HH008
R1611	RES CHIP 1608 1/10W J 100 Ω	RRXA101HH013
R1612	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1613	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1614	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1615	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1616	RES CHIP 1608 1/10W F 47.0k Ω	RTW4702HH008
R1617	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1618	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1619	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1620	RES CHIP 3216 1/4W F 750k Ω	RTC7503HH020
R1621	RES CHIP 1608 1/10W F 1.80k Ω	RTW1801HH008
R1622	RES CHIP 1608 1/10W J 18k Ω	RRXA183HH013
R1623	RES CHIP 1608 1/10W J 12k Ω	RRXA123HH013
R1624	RES CEMENT 5W J 0.015 Ω	RWJL15PAK002
R1625	RES CHIP 3216 1/4W J 47 Ω	RRX4470HH034
R1626	RES CHIP 3216 1/4W J 47 Ω	RRX4470HH034
R1627	RES CHIP 1608 1/10W J 12k Ω	RRXA123HH013
R1631	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1632	RES CHIP 1608 1/10W J 22k Ω	RRXA223HH013
R1633	RES CHIP 3216 1/4W J 2.7k Ω	RRX4272HH034
R1634	RES CHIP 3216 1/4W J 47 Ω	RRX4470HH034
R1637	RES CHIP 3216 1/4W J 180 Ω	RRX4181HH034
R1638	RES CHIP 1608 1/10W J 18k Ω	RRXA183HH013
R1639	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1645	RES CHIP 1608 1/10W F 68.0k Ω	RTW6802HH008
R1653	RES CHIP 1608 1/10W J 68 Ω	RRXA680HH013
R1656	RES CHIP 1608 1/10W J 4.7 Ω	RRXA4R7HH013
R1657	RES CHIP 3216 1/4W J 2.7k Ω	RRX4272HH034
R1702	RES CHIP 1608 1/10W F 2.70k Ω	RTW2701HH008
R1703	RES CHIP 1608 1/10W J 6.8k Ω	RRXA682HH013
R1704	RES CHIP 1608 1/10W J 8.2k Ω	RRXA822HH013
R1705	RES CHIP 1608 1/10W J 27k Ω	RRXA273HH013
R1707	RES CHIP 1608 1/10W J 820k Ω	RRXA824HH013
R1708	RES CHIP 1608 1/10W J 22k Ω	RRXA223HH013
R1710	RES CHIP 1608 1/10W J 22k Ω	RRXA223HH013
R1711	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1712	RES CHIP 1608 1/10W J 180 Ω	RRXA181HH013
R1714	RES CHIP 1608 1/10W J 22 Ω	RRXA220HH013
R1718	RES CHIP 3216 1/4W J 22k Ω	RRX4223HH034
R1719	METALOXIDE RES 2W J 0.12 Ω	RNBR12PAK004
R1720	RES CHIP 1608 1/10W J 270 Ω	RRXA271HH013
R1746	RES CHIP 3216 1/4W J 270k Ω	RRX4274HH034
R1747	RES CHIP 3216 1/4W J 270k Ω	RRX4274HH034
MISCELLANEOUS		
B19	POW HEAT SINK A7120UH	1EM423993A
BC602	BEAD INDUCTORS B29 RID 2.3X7.5X7.5T	LLEF0S0XM002
BC1601	WIRE CP CP0.56	XZ40F0XRC001
BC1602	WIRE CP CP0.56	XZ40F0XRC001
BC1703	BEAD INDUCTORS B29 RID 2.3X7.5X7.5T	LLEF0S0XM002
F602⚠	FUSE TIME RAG 2010T2.5A1	PDG21B0W3252
L35	SCREW BIND 3CHROM +B-TITE M3X8.0	GBJB3080
SA601⚠	VARISTOR 10D 471K SVR	NVQZVR10D471
T601⚠	TRANS POWER BCK-35DS	LTT3PCMEK035
T1601⚠	COIL EF TE2520A7001	LLEE0ZMEK005
T1602⚠	COIL EF TE2520A7001	LLEE0ZMEK005
T1701⚠	TRANS POWER BCK-35DH	LTT3PCMEK031

TYPE A

PARTS LIST [55PFL6900/F8 (Serial No.: XA1)]

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
A17	Not used	
SSK1	Not used	
S1	CARTON(TOP) A51RDMA	2EMC00832
S12	CARTON LABEL A51RDMA	---------
X2⚠	OWNERS MANUAL A51RDMA	2EMN00360A
X3	REMOTE CONTROL UNIT YKF340-007	URMT41JHG007
X6	QUICK START GUIDE A51RDMA	2EMN00361A

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RDMMA-004
TU3001	TUNER UNIT U9004UZ	U9004UZ

TYPE A

PARTS LIST [55PFL6900/F8 (Serial No.: TC1)]

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 55PFL6900/F8 (Serial No. : XA1)

Ref. No.	Description	Part No.
CL3901	FFC WIRE ASSEMBLY 51PIN(W/SHIELD) 51P/ FFC/SHIELD/288MM	WX1A51RCT44
LCD1⚠	LCD PANEL ASSEMBLY	U5DR2PT

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 55PFL6900/F8 (Serial No. : XA1)

There is no difference from the original model

55PFL6900/F8 (Serial No.: XA1) for Electrical Parts section.

TYPE B

PARTS LIST [55PFL7900/F7 (Serial No.: DS2)]

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
A1	FRONT BEZEL A51RZUH	2EMZ00418
A3-1	REAR COVER L A51RZUH	2EMM00708
A3-2	REAR COVER R A51RZUH	2EMM00709
RA1-1	Not used	
RA1-2	Not used	
A5	DECORATION PLATE A511ZUH	2EMH00708
A8	KNOB FRAME A511ZUH	2EMM00698A
A9	Not used	
A13	JACK HOLDER A511ZUH	2EMM00701
A15⚠	RATING LABEL A51RZUH	----------
A16	LOGO LABEL A511ZUH	----------
A17	ENERGY GUIDE LABEL A51RZUH	----------
A20	LEADING EDGE FRONT A511ZUH	2EMM00696
A26	Not used	
A26-1	SPEAKER HOLDER L A511ZUH	2EMM00699
A26-2	SPEAKER HOLDER R A511ZUH	2EMM00700
A34-1	FRONT BOTTOM L A511ZUH	2EMM00692
A34-2	FRONT BOTTOM R A511ZUH	2EMM00693
A35	FRONT BOTTOM CENTER A51RZUH	2EMM00707
A36	LEADING EDGE REAR A511ZUH	2EMM00697
AC601⚠	AC CORD W/O A GND WIRE UL/CSA/1740/NO/ BLACK	WAC172LTE014
B5	DIGITAL PCB HOLDER A511ZUH	2EMS00380A
B10	Not used	
B10-1	STAND BRACKET L A51RZUH	2EMS00392
B10-2	STAND BRACKET R A51RZUH	2EMS00393
B12	SENSOR SHIELD A511ZUH	2EMS00379
B16	SEPARATION SHEET A511ZUH	2EMH00724
B23	WIRE LABEL A3AF0UT	----------
B43	LEADING EDGE HOLDER A511ZUH	2EMS00378
B44	POWER PCB HOLDER A511ZUH	2EMS00381
CL3102	WIRE ASSEMBLY 2PIN 2PIN/730MM	WX1A51RZT141
CL3105	FFC WIRE ASSEMBLY 6PIN 6P/FFC/372MM	WX1A51RZT211
CL3601	WIRE ASSEMBLY 26PIN 26PIN/260MM	WX1A51RZT111
CL3801	WIRE ASSEMBLY 4PIN 4PIN/320MM&355MM	WX1A51RZT311
CL3901	FFC WIRE ASSEMBLY 51PIN(W/SHIELD) 51P/ FFC/SHIELD/289MM	WX1A51RZT411
CL3902	WIRE ASSEMBLY 6PIN 6PIN/260MM	WX1A51RZT121
CL4051	Not used	
L7	SCREW BIND BLACK_NI +P-TITE M3X10.0	GBHP3100
L10	Not used	
L28	Not used	
L42	Not used	
L73	SCREW F-PAN BLACK_NI +P-TITE M3X10.0	GCHP3100
L93	SCREW M3X6 SARA+	SDJ33060
L95	SCREW M3X5 M3X5 LOW HEAD	2EML00029
L96	SCREW BIND 3CHROM + M3X4.0	SBJ33040
L111	WASHER HEAD+ M3X6 BLK	SCH33060
MB27	LIGHT GUIDE PANEL A511ZUH	2EMZ00441
SA1-1	STAND L A511ZUH	2EMZ00419
SA1-2	STAND R A511ZUH	2EMZ00420
SBA1	Not used	
SNA1	Not used	
SP3801	SPEAKER MAGNETIC SB05N70-A	DS08060XQ004
SP3802	SPEAKER MAGNETIC SB05N70-A	DS08060XQ004
SSK1	STAND SCREW KIT A511ZUH(SEMS-SW PAN BLACK_NI + M4X12.0)	2ESA02477
S1	CARTON(T) A51RZUH	2EMC00785
S2	CARTON(B) A51RZUH	2EMC00786
S3	STYROFOAM TOP A51RZUH	2EMC00787
S4	STYROFOAM BOTTOM LR A51RZUH	2EMC00821
S5	STYROFOAM BOTTOM C A51RZUH	2EMC00788
S6	SET BAG A55UAJH	2EMC00774A
S9	STYROFOAM SIDE A51RZUH	2EMC00814
S10	PROTECTION PAD A51RZUH	2EMC00815
X2⚠	OWNERS MANUAL A511ZUH	2EMN00355A
X3	REMOTE CONTROL UNIT YKF399-001	URMT42JHG005
X6	QUICK START GUIDE A511ZUH	2EMN00356A
X16	REMOTE CONTROL BAG ECD01UD	1VM443739
X22	Not used	
X28	CAUTION SHEET A511ZUH	2EMN00357
LCD1⚠	LCD PANEL ASSEMBLY	UDULCD0GS025
A1	Not used	
B7	Not used	
L23	Not used	
L76	Not used	
MB12	Not used	
MB14	Not used	
Z18	Not used	

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RZMMA-005
IC3301	IC 4GB DDR3 SDRAM K4B4G1646D-BCMA	NSCA0R0SM058
IC3302	IC 4GB DDR3 SDRAM K4B4G1646D-BCMA	NSCA0R0SM058
IC3401	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
IC3402	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
IC3501	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
IC3502	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
	MSW ASSEMBLY	A51RZMSW-001
	Consists of the following	
	FUNCTION CBA UNIT	A51RZMSW-001-FN
	IR SENSOR CBA UNIT	A51RZMSW-001-IR
	POEWER SUPPLY CBA	A51RZMPW-001
C601	CAP ELE 10µF/400V/M/85	CEN1000V8007
C602	Not used	
C604⚠	CAP METALLIZED FILM 1.0µF/310V /K/LE-MX	CTA1050DC001
C605	Not used	
C606	CERAMIC CAP. RB 220pF/2kV	CA3D221TE006
C610	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C612	Not used	
C613	CHIP CERAMIC CAP.(1608) B K 0.022µF/50V	CHD1JK30B223
C614⚠	CAP METALLIZED FILM 0.1µF/310V /K/LE-MX	CTA1040DC001
C615	CAP ELE 47µF/50V/M/85	CEF4700V8006
C616	Not used	
C619⚠	CAP CERAMIC SAFETY 470pF/250V B K KX	CJMR471KB2E1
C620	Not used	
C621	Not used	
C622	Not used	
C624	Not used	
C625	Not used	
C655	Not used	
C657	CAP ELE 1000µF/16V/M/85	CEC1020V8006
C693	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CA1C225TE072
C703	Not used	
C723	CAP ELE 330µF/63V/M/85	CEG3310V8007
C724	CAP ELE 330µF/63V/M/85	CEG3310V8007
C731	Not used	
C732	CAP ELE 1000µF/16V/M/85	CEC1020V8006
C733	CHIP CERAMIC CAP.(2125) B K 4.7µF/25V	CA1E475MR084
C737	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C888	ELECTROLYTIC CAP. 10µF/16V M H7	CE1CMAVSL100
C999	ELECTROLYTIC CAP. 10µF/16V M H7	CE1CMAVSL100
C1002	Not used	
C1004	Not used	
C1101	CAP ELE 330µF/63V/M/85	CEG3310V8007
C1102	Not used	
C1103	Not used	
C1104	CAP ELE 47µF/100V/M/85	CEH4700V8006
C1105	CAP ELE 47µF/100V/M/85	CEH4700V8006
C1106	Not used	
C1107	CAP ELE 10µF/50V/M/85	CEF1000V8006
C1108	CHIP CERAMIC CAP. B K 470pF/50V	CHD1JK30B471
C1109	CHIP CERAMIC CAP. B K 470pF/50V	CHD1JK30B471
C1110	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1111	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CA1C225TE072
C1112	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1113	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1114	Not used	
C1115	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1116	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1117	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1118	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1201	CAP ELE 330µF/63V/M/85	CEG3310V8007
C1202	Not used	
C1203	Not used	
C1204	CAP ELE 47µF/100V/M/85	CEH4700V8006
C1205	CAP ELE 47µF/100V/M/85	CEH4700V8006
C1206	Not used	
C1207	CAP ELE 10µF/50V/M/85	CEF1000V8006
C1208	CHIP CERAMIC CAP. B K 470pF/50V	CHD1JK30B471
C1209	CHIP CERAMIC CAP. B K 470pF/50V	CHD1JK30B471
C1210	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1211	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CA1C225TE072
C1212	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1213	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C1214	Not used	
C1215	CHIP CERAMIC CAP.(1608) B K 1µF/25V	CHD1EK30B105
C1216	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1217	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1218	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1301	Not used	
C1302	Not used	
C1303	Not used	
C1305	Not used	
C1306	Not used	
C1307	Not used	
C1308	Not used	
C1309	Not used	
C1310	Not used	
C1312	Not used	
C1313	Not used	
C1314	Not used	
C1316	Not used	
C1317	Not used	

Ref. No.	Description	Part No.
C1401	Not used	
C1402	Not used	
C1403	Not used	
C1405	Not used	
C1406	Not used	
C1407	Not used	
C1408	Not used	
C1409	Not used	
C1410	Not used	
C1412	Not used	
C1413	Not used	
C1414	Not used	
C1416	Not used	
C1417	Not used	
C1604	CAP CHIP CERAMIC (1608) B K 2.2µF/16V	CA1C225TE072
C1613	CERAMIC CAP. RB 470pF/2kV	CA3D471TE006
C1614	CERAMIC CAP. RB 470pF/2kV	CA3D471TE006
C1616	CAP ELE 33µF/50V/M/85	CEF3300V8006
C1621	CAP ELE 105 100µF/400V/+-20%/105	CBNC101M02GD
C1622	CAP ELE 105 100µF/400V/+-20%/105	CBNC101M02GD
C1703	CHIP CERAMIC CAP. CH J 150pF/50V	CHD1JJ3CH151
C1705	CAP ELE 10µF/400V/M/85	CEN1000V8007
C1706	CERAMIC CAP. RB 150pF/2kV	CA3D151TE006
C1708	Not used	
C1710	Not used	
C1711⚠	CAP CERAMIC SAFETY 1000pF/250V E M KX	CJMR102M42E1
C1726	CAP CHIP X7R C3216X7R2J222KT	CHD2220TE009
CN601⚠	CONNECTOR S2P3-VH (LF)(SN)	JCVHC02JG002
CN1101	CONNECTOR PRINT MES IS100-L08T-C46	JC1008UJE001
CN1201	CONNECTOR PRINT MES IS100-L08T-C46-A	JC1008UJE002
CN1401	Not used	
D615	Not used	
D616	Not used	
D618	Not used	
D619A	Not used	
D620A	Not used	
D623	Not used	
D653	DIODE SHOTTKY FCH20A20	QDWZFCH20A20
D710	DIODE SHOTTKY SB3200BR	NDWZ3200D027
D711	DIODE SHOTTKY SB3200BR	NDWZ3200D027
D712	DIODE SHOTTKY SB3200BR	NDWZ3200D027
D1102	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D1103	ZENER DIODE MM5Z30B	ND1B0MM5Z30B
D1104	ZENER DIODE MM5Z24B	ND1B0MM5Z24B
D1105	Not used	
D1108	DIODE SCHOTTKY BARRIER SB2150BD	NDWZ00SB2150
D1109	ZENER DIODE MM5Z5V6B	ND1BMM5Z5V6B
D1110	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D1202	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D1203	ZENER DIODE MM5Z30B	ND1B0MM5Z30B
D1204	ZENER DIODE MM5Z24B	ND1B0MM5Z24B
D1205	Not used	
D1208	DIODE SCHOTTKY BARRIER SB2150BD	NDWZ00SB2150
D1209	ZENER DIODE MM5Z5V6B	ND1BMM5Z5V6B
D1210	DIODE SWITCHING SMD 1SS400ST(SOD-523)	ND1Z1SS400ST
D1301	Not used	
D1303	Not used	
D1304	Not used	
D1305	Not used	
D1401	Not used	

Ref. No.	Description	Part No.
D1403	Not used	
D1404	Not used	
D1405	Not used	
D1608	ZENER DIODE SMD TFZVTR18B	QD1B00TFZV18
D1711	ZENER DIODE SMD TFZVTR27B	QD1B00TFZV27
IC601	IC SWITCHING BM1P062FJ/SOP-J8	QSCA0T0RM432
IC604	Not used	
IC1101	IC LED BACKLIGHT CONTROLLER BD9289F-GE2/SOP28	QSCA0T0RM436
IC1201	IC LED BACKLIGHT CONTROLLER BD9289F-GE2/SOP28	QSCA0T0RM436
IC1301	Not used	
IC1401	Not used	
L601⚠	COIL TOROIDAL JLB18136	LLET0Z0XB006
L601A⚠	Not used	
L602⚠	COIL TOROIDAL JLB18136	LLET0Z0XB006
L602A⚠	Not used	
L1101	COIL POWER INDUCTORS DIP RP1315BNP-221M/220µH	LLF2210SF013
L1102	COIL POWER INDUCTORS DIP RP1315BNP-221M/220µH	LLF2210SF013
L1201	COIL POWER INDUCTORS DIP RP1315BNP-221M/220µH	LLF2210SF013
L1202	COIL POWER INDUCTORS DIP RP1315BNP-221M/220µH	LLF2210SF013
L1301	Not used	
L1302	Not used	
L1401	Not used	
L1402	Not used	
Q601	FET MOS TK5A65D LS1FNDQ(M	QEEZTK5A65DM
Q602	Not used	
Q603	Not used	
Q1003	Not used	
Q1004	Not used	
Q1101	FET MOS TK9A20DA S4X	QFEZTK9A20DA
Q1102	MOS FET RSR020N06TL	QF1ZSR020N06
Q1103	MOS FET RSR020N06TL	QF1ZSR020N06
Q1104	MOS FET RSR020N06TL	QF1ZSR020N06
Q1105	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q1201	FET MOS TK9A20DA S4X	QFEZTK9A20DA
Q1202	MOS FET RSR020N06TL	QF1ZSR020N06
Q1203	MOS FET RSR020N06TL	QF1ZSR020N06
Q1204	MOS FET RSR020N06TL	QF1ZSR020N06
Q1205	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q1301	Not used	
Q1303	Not used	
Q1401	Not used	
Q1403	Not used	
Q1604	NPN TRANSISTOR SMD KTC8050S-D-RTK/P	NQ1DKTC8050S
Q1704	FET MOS TK7A60W LS1FNDX(M	QEEZTK7A60WL
R601⚠	Not used	
R604	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R605	RES CHIP 1608 1/10W J 180 Ω	RRXA181HH013
R606	Not used	
R607	Not used	
R608	RES CHIP 1608 1/10W J 10 Ω	RRXA100HH013
R609	Not used	
R610	RES CHIP 3216 1/4W J 10k Ω	RRX4103HH034
R611	RES CHIP 3216 1/4W J 10k Ω	RRX4103HH034
R612	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R614	RES CHIP 3216 1/4W J 10k Ω	RRX4103HH034
R616	RES CHIP 1608 1/10W J 270 Ω	RRXA271HH013
R618	METALOXIDE RES 2W J 0.18Ω	RNJR18PAK002
R620	Not used	
R623	RES CHIP 1608 1/10W F 560 Ω	RTW5600HH008

Ref. No.	Description	Part No.
R627	RES CHIP 1608 1/10W F 13.0k Ω	RTW1302HH008
R628	Not used	
R629	Not used	
R632	Not used	
R633	Not used	
R634	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R635	Not used	
R636	Not used	
R653	RES CHIP 1608 1/10W J 22k Ω	RRXA223HH013
R656	RES CHIP 1608 1/10W J 8.2k Ω	RRXA822HH013
R664	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R725	RES CHIP 3216 1/4W J 1 Ω	RRX41R0HH034
R738	RES CHIP 3216 1/4W J 560 Ω	RRX4561HH034
R739	RES CHIP 3216 1/4W J 15k Ω	RRX4153HH034
R741	RES CHIP 3216 1/4W J 3.6k Ω	RRX4362HH034
R743	RES CHIP 1608 1/10W F 56.0k Ω	RTW5602HH008
R744	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R767	RES CHIP 1608 1/10W J 10 Ω	RRXA100HH013
R768	Not used	
R1003	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R1004	RES CHIP 1608 1/10W J 3.9k Ω	RRXA392HH013
R1005	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1006	Not used	
R1007	Not used	
R1008	Not used	
R1009	Not used	
R1010	Not used	
R1101	COIL SMD MPZ1608S300AT	LLC3000TE031
R1102	Not used	
R1103	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1104	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1105	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1106	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1107	RES CHIP 1608 1/10W J 39 Ω	RRXA390HH013
R1108	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1109	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1110	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R1111	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R1112	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1113	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1114	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1115	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1116	RES CHIP 1608 1/10W J 10 Ω	RRXA100HH013
R1117	RES CHIP 1608 1/10W J 200 Ω	RRXA201HH013
R1118	METALOXIDE RES 2W J 0.18Ω	RNJR18PAK002
R1119	RES CHIP 3216 1/4W J 10k Ω	RRX4103HH034
R1120	RES CHIP 1608 1/10W F 240k Ω	RTW2403HH008
R1121	RES CHIP 1608 1/10W F 240k Ω	RTW2403HH008
R1122	RES CHIP 1608 1/10W F 47.0k Ω	RTW4702HH008
R1123	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R1124	RES CHIP 1608 1/10W J 5.1k Ω	RRXA512HH013
R1125	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1126	RES CHIP 1608 1/10W J 20k Ω	RRXA203HH013
R1127	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1128	RES CHIP 1608 1/10W J 120 Ω	RRXA121HH013
R1129	RES CHIP 1608 1/10W J 13k Ω	RRXA133HH013
R1130	RES CHIP 1608 1/10W J 5.1k Ω	RRXA512HH013
R1131	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1132	RES CHIP 1608 1/10W F 47.0k Ω	RTW4702HH008
R1133	RES CHIP 1608 1/10W F 18.0k Ω	RTW1802HH008
R1134	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R1135	RES CHIP 1608 1/10W F 68.0k Ω	RTW6802HH008
R1137	RES CHIP 1608 1/10W F 12.0k Ω	RTW1202HH008

Ref. No.	Description	Part No.
R1138	RES CHIP 1608 1/10W J 5.1k Ω	RRXA512HH013
R1139	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1140	RES CHIP 1608 1/10W J 100 Ω	RRXA101HH013
R1141	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1142	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1143	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1144	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1201	COIL SMD MPZ1608S300AT	LLC3000TE031
R1202	Not used	
R1203	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1204	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1205	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1206	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1207	RES CHIP 1608 1/10W J 39 Ω	RRXA390HH013
R1208	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1209	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1210	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R1211	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R1212	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1213	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1214	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1215	RES CHIP 3216 1/4W F 0.75 Ω	RTR750RYL007
R1216	RES CHIP 1608 1/10W J 10 Ω	RRXA100HH013
R1217	RES CHIP 1608 1/10W J 200 Ω	RRXA201HH013
R1218	METALOXIDE RES 2W J 0.18Ω	RNJR18PAK002
R1219	RES CHIP 3216 1/4W J 10k Ω	RRX4103HH034
R1220	RES CHIP 1608 1/10W F 240k Ω	RTW2403HH008
R1221	RES CHIP 1608 1/10W F 240k Ω	RTW2403HH008
R1222	RES CHIP 1608 1/10W F 47.0k Ω	RTW4702HH008
R1223	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R1224	RES CHIP 1608 1/10W J 5.1k Ω	RRXA512HH013
R1225	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1226	RES CHIP 1608 1/10W J 20k Ω	RRXA203HH013
R1227	RES CHIP 1608 1/10W F 62.0k Ω	RTW6202HH008
R1228	RES CHIP 1608 1/10W J 120 Ω	RRXA121HH013
R1229	RES CHIP 1608 1/10W J 13k Ω	RRXA133HH013
R1230	RES CHIP 1608 1/10W J 5.1k Ω	RRXA512HH013
R1231	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1232	RES CHIP 1608 1/10W F 47.0k Ω	RTW4702HH008
R1233	RES CHIP 1608 1/10W F 18.0k Ω	RTW1802HH008
R1234	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008
R1235	RES CHIP 1608 1/10W F 68.0k Ω	RTW6802HH008
R1237	RES CHIP 1608 1/10W F 12.0k Ω	RTW1202HH008
R1238	RES CHIP 1608 1/10W J 5.1k Ω	RRXA512HH013
R1239	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1240	RES CHIP 1608 1/10W J 100 Ω	RRXA101HH013
R1241	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1242	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1243	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1244	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1301	Not used	
R1302	Not used	
R1303	Not used	
R1304	Not used	
R1306	Not used	
R1307	Not used	
R1308	Not used	
R1309	Not used	
R1310	Not used	
R1311	Not used	
R1312	Not used	
R1313	Not used	
R1315	Not used	

Ref. No.	Description	Part No.
R1318	Not used	
R1319	Not used	
R1320	Not used	
R1321	Not used	
R1323	Not used	
R1324	Not used	
R1325	Not used	
R1326	Not used	
R1327	Not used	
R1328	Not used	
R1329	Not used	
R1330	Not used	
R1331	Not used	
R1401	Not used	
R1402	Not used	
R1403	Not used	
R1404	Not used	
R1406	Not used	
R1407	Not used	
R1408	Not used	
R1409	Not used	
R1410	Not used	
R1411	Not used	
R1412	Not used	
R1413	Not used	
R1415	Not used	
R1418	Not used	
R1419	Not used	
R1420	Not used	
R1421	Not used	
R1423	Not used	
R1424	Not used	
R1425	Not used	
R1426	Not used	
R1427	Not used	
R1428	Not used	
R1429	Not used	
R1430	Not used	
R1431	Not used	
R1631	RES CHIP 1608 1/10W J 47k Ω	RRXA473HH013
R1632	Not used	
R1633	RES CHIP 3216 1/4W J 3.3k Ω	RRX4332HH034
R1637	RES CHIP 3216 1/4W J 330 Ω	RRX4331HH034
R1657	RES CHIP 3216 1/4W J 3.3k Ω	RRX4332HH034
R1704	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1719	METALOXIDE RES 2W J 0.15Ω	RNJR15PAK002
R1746	RES CHIP 3216 1/4W J 180k Ω	RRX4184HH034
R1747	RES CHIP 3216 1/4W J 180k Ω	RRX4184HH034
B19	HEAT SINK PNL A31T0UH	1EM439707
B19A	HEAT SINK PNL A31T0UH	1EM439707
B19B	HEAT SINK PNN A511ZUH	2EMS00406
B19C	HEAT SINK PNN A511ZUH	2EMS00406
B-1101	HEAT SINK PNN A511ZUH	2EMS00406
B-1201	HEAT SINK PNN A511ZUH	2EMS00406
T601⚠	TRANS POWER EMD14467C	LTT3PC0ZB010
T1701⚠	TRANS POWER EMD14468C	LTT3PC0ZB011

TYPE B

PARTS LIST [55PFL7900/F8 (Serial No.: XA1)]

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 TYPE B 55PFL7900/F7 (Serial No. : DS2)

Ref. No.	Description	Part No.
A15⚠	RATING LABEL A51RYMA	---------
A16	LOGO LABEL A511YMA	---------
A17	Not used	
L42	SEMS-SW PAN BLACK_NI + M4X12.0 M4X12 + BLAK	FPH34120
S1	CARTON(T) A51RYMA	2EMC00861
S12	CARTON LABEL A51RYMA	---------
SSK1	Not used	
X2⚠	OWNERS MANUAL A511YMA	2EMN00373A
X3	REMOTE CONTROL UNIT YKF340-007	URMT41JHG007
X5	SCREW BAG A81N0UH	1EM424596A
X6	QUICK START GUIDE A511YMA	2EMN00374A
X16	Not used	

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 TYPE B 55PFL7900/F7 (Serial No. : DS2)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RYMMA-005
TU3001	TUNER UNIT U9004UZ	U9004UZ

TYPE B

PARTS LIST [55PFL7900/F8 (Serial No.: TC1)]

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 TYPE B 55PFL7900/F8 (Serial No. : XA1)

Ref. No.	Description	Part No.
L42	Not used	
SSK1	STAND SCREW KIT A511XYK(SEMS-SW PAN BLACK_NI + M4X12.0)	2ESA02975
X5	Not used	

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 TYPE B 55PFL7900/F8 (Serial No. : XA1)

There is no difference from the original model

TYPE B 55PFL7900/F8 (Serial No.: XA1) for Electrical Parts section.

TYPE C

PARTS LIST [55PFL4901/F7 (Serial No.: DS6)]

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
A1-1	REAR CABINET L ASSEMBLY A5DRBUH	2EMA00138
A5	DECORATION PLATE A4D1BUH	2EMH00289
A13	JACK HOLDER A3RF0UT	1EM334677
A15⚠	RATING LABEL A5DRGUH	----------
A16	LOGO LABEL A5DFGUT	----------
A17	ENERGY GUIDE LABEL A5DRGUH	----------
A26	SPEAKER HOLDER A4GU0UT	2EMM00248
CL3101	FFC WIRE ASSEMBLY 9PIN 9PIN/WHITE/ 570MM	WX1A4GR0S211
CL3105	Not used	
CL3601	FFC WIRE ASSEMBLY 23PIN 23PIN/WHITE/ 400MM	WX1A4DR2S101
CL3801	WIRE ASSEMBLY 4PIN 4PIN/765MM&185MM	WX1A4GR0C401
CL3901	FFC WIRE ASSEMBLY 51PIN(W/SHIELD) 51P/ FFC/SHIELD/496MM	WX1A5DRGT401
CL3902	Not used	
CL4001	WIRE ASSEMBLY 2PIN 2PIN/585MM	WX1A4GR0C301
CL4051	Not used	
SBA1	50W STAND BASE ASSEMBLY(FC) A3AUVUH	2EMN00354
SNA1	50W STAND HINGE ASSEMBLY (FC) A4GU5UH	2EMN00139A
SP3801	SPEAKER MAGNETIC 8OHM/10W S0411F26	DS08110XQ006
SP3802	SPEAKER MAGNETIC 8OHM/10W S0411F26	DS08110XQ006
SSK2	STAND SCREW KIT A5GRBUH(SEMS-SW PAN 3CHROM + M5X12)	2ESA02121
X22	Not used	
X28	CAUTION SHEET A5DUFUH	2EMN00437
S1	CARTON(TOP) A5DRGUH	2EMC01024
X2⚠	OWNERS MANUAL A5DVGUH	2EMN00433
X3	REMOTE CONTROL UNIT YKF399-001	URMT42JHG005
X6	QUICK START GUIDE A5DVGUH	2EMN00434
LCD1⚠	LCD PANEL ASSEMBLY	U4DR3P0

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A5DRGMMA-002
IC3001	Not used	
IC3019	IC USB HIGH-SIDE SW AP2151WG-7/SOT25/5PI	NSCA0TDES015
IC3101	Not used	
IC3102	IC MSD93F0JM4-3-002J	NSAA0RMST005
IC3204	IC NAND FLASH 4GB H27U4G8F2ETR-BC	NSCA0R0HY050
IC3205	IC RESET IC-PST8429UR	QSCA0T0MM075
IC3301	Not used	
IC3302	Not used	
IC3401	Not used	
IC3402	Not used	
IC3501	Not used	
IC3502	Not used	
IC3601	IC REGULATOR BD33IC0WHFV-GTR	QA3R300RM003
IC3602	IC DC-DC CONVERTER MP2314GJ-Z TSOT23-8	NSCA0T09M025
IC3605	IC DC-DC CONVERTER MP2315GJ-Z TSOT23-8	NSCA0T09M026
IC3606	Not used	
IC3607	Not used	
IC3608	Not used	
IC3609	Not used	
IC3610	Not used	
IC3701	Not used	
IC3801	IC D-CLASS AUDIO POWER AMPLIFI MP7752GF-Z	NSCA0T09M031
IC3803	Not used	
IC3851	IC STEREO HEADPHONE AMPLIFIER TS488IQT DFN8 8PIN	NSCA0T0SS070
IC3901	IC DC-DC CONVERTER MP2314GJ-Z TSOT23-8	NSCA0T09M025
IC5001	Not used	
IC5002	Not used	
IC5003	Not used	
IC5006	Not used	
IC5602	Not used	
IC5604	Not used	
IC5605	Not used	
IC5606	Not used	
IC9001	IC SILICON TUNER SI2151-A10-GMR	NSCA0T05S010
TU3001	Not used	
TU3002	TUNER FRAME ASSEMBLY A5GVFUH	2EDM04176
	MSW ASSEMBLY	A5DRGMSW-001
	Consists of the following	
	FUNCTION CBA UNIT	A5DRGMSW-001-FN
	IR SENSOR CBA UNIT	A5DRGMSW-001-IR
	POEWER SUPPLY CBA	A5DRGMPW-001
C601⚠	CAP METALLIZED FILM 0.22µF/310V /K/LE-MX	CTA2240DC001
C606	CERAMIC CAP. 100pF/2KV	CA3D101PAN04
C610	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C616	CAP ELE 220µF/35V/M/85	CEE2210V8006
C625	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C643⚠	CAP CERAMIC SAFETY 1000pF/250V E M KX	CJMR102M42E1
C651	CAP ELE 330µF/25V/M/85	CED3310V8006
C652	CAP ELE 330µF/25V/M/85	CED3310V8006
C660	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C665	CAP CHIP 3216 680pF/630V/C0G/J	CHB6810TE009
C669	Not used	
C693	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C702	Not used	
C703	Not used	
C725	CAP CHIP X7R C3216X7R2J222KT	CHD2220TE009
C726	CAP CHIP X7R C3216X7R2J222KT	CHD2220TE009
C731	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/100V	CA2A105MR080
C734	Not used	
C1001	Not used	
C1002	Not used	
C1004	Not used	
C1110	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C1117	CAP ELE 100µF/63V/M/85	CEG1010V8006
C1118	CAP ELE 100µF/63V/M/85	CEG1010V8006
C1210	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C1217	CAP ELE 100µF/63V/M/85	CEG1010V8006
C1218	CAP ELE 100µF/63V/M/85	CEG1010V8006
C1310	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C1317	CAP ELE 100µF/63V/M/85	CEG1010V8006
C1318	CAP ELE 100µF/63V/M/85	CEG1010V8006
C1410	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C1417	CAP ELE 100µF/63V/M/85	CEG1010V8006
C1418	CAP ELE 100µF/63V/M/85	CEG1010V8006
C1601	CHIP CERAMIC CAP.(1608) B K 0.022µF/50V	CHD1JK30B223
C1609	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C1610	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C1612⚠	CAP METALLIZED FILM 0.22µF/310V /K/LE-MX	CTA2240DC001
C1613	Not used	
C1614	Not used	
C1618	CAP CHIP 3216 B K 10µF/25V	CA1E106TE142
C1621	CAP ELECTROLYTIC 100µF/400V/M/22/25	CA2H101DYG17
C1622	CERAMIC CAP. 150pF/2kV	CA3D151PAN04
C1623	CERAMIC CAP. 150pF/2KV	CA3D151PAN04
C1703	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C1706	CERAMIC CAP. 100pF/2KV	CA3D101PAN04

Ref. No.	Description	Part No.
C1707	Not used	
C1710	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1711⚠	CAP CERAMIC SAFETY 1000pF/250V E M KX	CJMR102M42E1
C1726	Not used	
CN501	FFC CONNECTOR IMSA-9615S-23A-PP-A	JC96J23ER007
CN651	Not used	
CN652	Not used	
CN1201	PH CONNECTOR TOP 4P /H_ B4B-PH-K-S (LF)(SN)	J3PHC04JG029
D614	ZENER DIODE SMD TFZVTR27B	QD1B00TFZV27
D616	Not used	
D651	Not used	
D653	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D655	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D664	DIODE FAST RECOVERY RS1KJTD	ND1Z0RS1KJTD
D664A	Not used	
D701	Not used	
D714A	DIODE FAST RECOVERY RS1KJTD	ND1Z0RS1KJTD
D751	Not used	
D1705	DIODE SCHOTTKY SMD CES520.L3F(D	QD1Z00CES520
D1705A	Not used	
D1707A	DIODE ZENER SMD KDZVTR36B	QD1B0KDZV36B
D1714A	Not used	
D1716	Not used	
IC1701	Not used	
IC1703	IC SWITCHING FA5640N-C6-TE3/SOP-8	QSCA0T0FD007
L601A⚠	LINE FILTER JLB24137	LLEG0Z0XB033
L602A⚠	LINE FILTER JLB24137	LLEG0Z0XB033
Q601	MOS-FET 3.5A/600V TK4P60DA(T6RSS-Q)	QF2ZTK4P60DA
Q671	CHIP TRANSISTOR KTC3875S-Y-RTK/P	NQ1YKTC3875S
Q704	Not used	
Q706	Not used	
Q707	Not used	
Q708	Not used	
Q709	Not used	
Q1001	Not used	
Q1002	Not used	
Q1003	Not used	
Q1004	Not used	
Q1103	MOS FET /_1 RSR020N06TL	QF1ZSR020N06
Q1203	MOS FET /_1 RSR020N06TL	QF1ZSR020N06
Q1303	MOS FET /_1 RSR020N06TL	QF1ZSR020N06
Q1403	MOS FET /_1 RSR020N06TL	QF1ZSR020N06
Q1604	NPN TRANSISTOR SMD KTC8050S-D-RTK/P	NQ1DKTC8050S
R604	RES CHIP 1608 1/10W J 2.7kΩ	RRXA272HH013
R606	RES CHIP 1608 1/10W J 22kΩ	RRXA223HH013
R607	RES CHIP 1608 1/10W J 4.7kΩ	RRXA472HH013
R608	RES CHIP 1608 1/10W J 10Ω	RRXA100HH013
R617	RES CHIP 3216 1/4W J 4.7kΩ	RRX4472HH034
R618	METALOXIDE RES 2W J 0.18Ω	RNJR18PAK002
R623	RES CHIP 1608 1/10W F 2.70kΩ	RTW2701HH008
R624	RES CHIP 3216 1/4W F 510kΩ	RTC5103YF004
R625	RES CHIP 3216 1/4W F 510kΩ	RTC5103YF004
R626	RES CHIP 3216 1/4W F 510kΩ	RTC5103YF004
R627	RES CHIP 1608 1/10W F 39.0kΩ	RTW3902HH008
R630	RES CHIP 3216 1/4W J 560kΩ	RRX4564HH034
R631	RES CHIP 3216 1/4W J 560kΩ	RRX4564HH034
R654	RES CHIP 3216 1/4W J 180Ω	RRX4181HH034
R655	RES CHIP 3216 1/4W J 180Ω	RRX4181HH034
R656	RES CHIP 1608 1/10W J 8.2kΩ	RRXA822HH013
R658	RES CHIP 1608 1/10W J 2.7kΩ	RRXA272HH013
R659	RES CHIP 1608 1/10W F 3.90kΩ	RTW3901HH008

Ref. No.	Description	Part No.
R660	RES CHIP 1608 1/10W F 27.0kΩ	RTW2702HH008
R661	RES CHIP 1608 1/10W F 3.30kΩ	RTW3301HH008
R666	RES CHIP 1608 1/10W 0Ω	RRXA000HH014
R667	RES CHIP 1608 1/10W F 15.0kΩ	RTW1502HH008
R671	RES CHIP 3216 1/4W J 1.5kΩ	RRX4152HH034
R672	RES CHIP 3216 1/4W J 1.5kΩ	RRX4152HH034
R675	RES CHIP 1608 1/10W F 68.0kΩ	RTW6802HH008
R676	RES CHIP 1608 1/10W J 4.7kΩ	RRXA472HH013
R677	RES CHIP 1608 1/10W J 47kΩ	RRXA473HH013
R705	Not used	
R706	Not used	
R707	Not used	
R740	RES CHIP 1608 1/10W F 10.0kΩ	RTW1002HH008
R746	RES CHIP 3216 1/4W J 100kΩ	RRX4104HH034
R747	RES CHIP 3216 1/4W J 100kΩ	RRX4104HH034
R757	Not used	
R758	Not used	
R759	Not used	
R760	RES CHIP 3216 1/4W J 100kΩ	RRX4104HH034
R761	RES CHIP 3216 1/4W J 100kΩ	RRX4104HH034
R762	RES CHIP 3216 1/4W J 100kΩ	RRX4104HH034
R763	RES CHIP 3216 1/4W J 100kΩ	RRX4104HH034
R764	Not used	
R765	Not used	
R766	Not used	
R768	Not used	
R1001	Not used	
R1002	Not used	
R1003	Not used	
R1004	Not used	
R1005	Not used	
R1006	Not used	
R1007	Not used	
R1008	Not used	
R1009	Not used	
R1010	Not used	
R1104	RES CHIP 1608 1/10W J 120Ω	RRXA121HH013
R1105	RES CHIP 1608 1/10W J 120Ω	RRXA121HH013
R1204	RES CHIP 1608 1/10W J 120Ω	RRXA121HH013
R1205	RES CHIP 1608 1/10W J 120Ω	RRXA121HH013
R1304	RES CHIP 1608 1/10W J 120Ω	RRXA121HH013
R1305	RES CHIP 1608 1/10W J 120Ω	RRXA121HH013
R1404	RES CHIP 1608 1/10W J 120Ω	RRXA121HH013
R1405	RES CHIP 1608 1/10W J 120Ω	RRXA121HH013
R1601	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1602	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1604	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1605	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1612	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1613	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1614	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1615	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1617	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1618	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1619	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1620	RES CHIP 3216 1/4W F 750kΩ	RTC7503YF004
R1622	RES CHIP 3216 1/4W J 18kΩ	RRX4183HH034
R1624	RES CEMENT 5W J 0.033Ω	RWJL33PAK002
R1631	Not used	
R1653	Not used	
R1714	RES CHIP 1608 1/10W J 10Ω	RRXA100HH013
R1746	Not used	
R1747	Not used	

Ref. No.	Description	Part No.
B-1704	POW HEAT SINK A7120UH	1EM423993A
B19	Not used	
B19A	Not used	
B19C	Not used	
BC1102	WIRE CP CP0.56	XZ40F0XRC001
BC1202	WIRE CP CP0.56	XZ40F0XRC001
BC1302	WIRE CP CP0.56	XZ40F0XRC001
BC1402	WIRE CP CP0.56	XZ40F0XRC001
BC1601	Not used	
BC1602	Not used	
BC1603	BEAD INDUCTORS B29 RID 2.3X7.5X7.5T	LLEF0S0XM002
BC1604	BEAD INDUCTORS B29 RID 2.3X7.5X7.5T	LLEF0S0XM002
F602⚠	FUSE TIME LAG /_1 9321250201	PDG92CBET252
T601⚠	TRANS POWER BCK-28JC	LTT2PCMEK073
T1601⚠	COIL EF TE2520A5001	LLEE0ZMEK006
T1602⚠	COIL EF TE2520A5001	LLEE0ZMEK006
T1701⚠	TRANS POWER	LTT3PCMEK032

TYPE C

PARTS LIST [55PFL4901/F8 (Serial No.: TC1)]

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 TYPE C 55PFL4901/F7 (Serial No. : DS6)

Ref. No.	Description	Part No.
A5	DECORATION PLATE A51RCUH	2EMH00673
A15⚠	RATING LABEL A5DRDML	---------
A16	LOGO LABEL A6LF3MA	---------
A17	Not used	
SBA1	STAND BASE ASSEMBLY A4D17UH	2EMA00059B
SNA1	STAND NECK A4D17UH	2EMZ00151
SSK1	Not used	
SSK2	Not used	
S1	CARTON(TOP) A5DRDML	2EMC01004
S12	CARTON LABEL A51RDMA	---------
X2⚠	OWNERS MANUAL A5DUDMA	2EMN00435
X3	REMOTE CONTROL UNIT YKF340-007	URMT41JHG007
X5	SCREW BAG A81N0UH	1EM424596A
X6	QUICK START GUIDE A5DUDMA	2EMN00436
X22	CAUTION SHEET A5DRDML	2EMN00455A
X28	Not used	
LCD1⚠	LCD PANEL ASSEMBLY	U5DR8PT

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 TYPE C 55PFL4901/F7 (Serial No. : DS6)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A5DRDMMA-002

TYPE D

PARTS LIST [55PFL6900/F7 A (Serial No.: DS2)]

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
A15⚠	RATING LABEL A51RGUH	---------
A16	LOGO LABEL A51RGUH	---------
CL3601	WIRE ASSEMBLY 26PIN 26PIN/390MM	WX1A51RET313
CL3801	WIRE ASSEMBLY 4PIN 4PIN/210MM&750MM	WX1A51RET301
CL3901	FFC WIRE ASSEMBLY 51PIN(W/SHIELD) 51P/ FFC/SHIELD/374MM	WX1A51RET411
CL3902	WIRE ASSEMBLY 6PIN 6PIN/390MM	WX1A51RET314
S1	CARTON (TOP) A51RGUH	2EMC01043
S2	CARTON(BOTTOM) A5GRJUH	2EMC00999
S3	STYROFOAM TOP A5GRJUH	2EMC00997
S4	STYROFOAM BOTTOM A5GRJUH	2EMC00998
X2⚠	OWNERS MANUAL A51RGUH	2EMN00471
X3	REMOTE CONTROL UNIT YKF399-001	URMT42JHG005
X6	QUICK START GUIDE A51RGUH	2EMN00472
X22	CAUTION SHEET A5DRDML	2EMN00455A

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RGMMA-001
IC3001	IC MSD95M0D-3-004E	NSAA0RMST008
IC3101	Not used	
IC3102	IC NAND FLASH 4GB H27U4G8F2ETR-BC	NSCA0R0HY050
IC3501	Not used	
IC3502	Not used	
IC3609	Not used	
IC3803	IC D-CLASS AUDIO POWER AMPLIFI BD28620MUV-E2	QSCA0T0RM433
IC5001	Not used	
IC5002	Not used	
IC5003	Not used	
IC5006	Not used	
IC5602	Not used	
IC5604	Not used	
IC5605	Not used	
IC5606	Not used	
IC9001	IC SILICON TUNER SI2151-A10-GMR	NSCA0T05S010
TU3001	Not used	
IC3301	IC 4GB DDR3 SDRAM K4B4G1646D-BCMA	NSCA0R0SM058
IC3302	IC 4GB DDR3 SDRAM K4B4G1646D-BCMA	NSCA0R0SM058
IC3401	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
IC3402	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
	MSW ASSEMBLY	A51RGMSW-001
	Consists of the following	
	FUNCTION CBA UNIT	A51RGMSW-001-FN
	IR SENSOR CBA UNIT	A51RGMSW-001-IR
	POWER SUPPLY CBA	A51RGMPW-001

TYPE D

PARTS LIST [55PFL6900/F8 A (Serial No.: DS1)]

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 TYPE D 55PFL6900/F7 A (Serial No. : DS2)

Ref. No.	Description	Part No.
A15⚠	RATING LABEL A51RHMH	---------
A16	LOGO LABEL A51RHMH	---------
A17	Not used	
S1	CARTON(TOP) A51RHMH	2EMC01091
X2⚠	OWNERS MANUAL A51RHMH	2EMN00502
X3	REMOTE CONTROL UNIT YKF340-007	URMT41JHG007
X6	QUICK START GUIDE A51RHMH	2EMN00501

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 TYPE D 55PFL6900/F7 A (Serial No. : DS2)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RHMMA-001
	MSW ASSEMBLY	A51RHMSW-001
	Consists of the following	
	FUNCTION CBA UNIT	A51RHMSW-001-FN
	IR SENSOR CBA UNIT	A51RHMSW-001-IR
	POWER SUPPLY CBA	A51RHMPW-001

TYPE D

PARTS LIST [55PFL6900/F8 A (Serial No.: TC1)]

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 TYPE D 55PFL6900/F8 A (Serial No. : DS1)

Ref. No.	Description	Part No.
RA1-1	REAR CABINET L ASSEMBLY A51RKMZ	2EMA00153
RA1-2	REAR CABINET R ASSEMBLY A51RKMZ	2EMA00154
A15⚠	RATING LABEL A51RKML	----------
S1	CARTON(TOP) A51RKML	HK2EMC01116
S12	CARTON LABEL A51RKML	----------
X2⚠	OWNERS MANUAL A51RKML	2EMN00531
LCD1⚠	LCD PANEL ASSEMBLY	U5DRCXL

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 TYPE D 55PFL6900/F8 A (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RKMMA-001

TYPE E

PARTS LIST [55PFL4901/F8 (Serial No.: DS1)]

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 TYPE C 55PFL4901/F7 (Serial No. : DS6)

Ref. No.	Description	Part No.
A15⚠	RATING LABEL A5DRJMH	---------
A16	LOGO LABEL A6LF3MA	---------
A17	Not used	
SBA1	STAND BASE ASSEMBLY A4D17UH	2EMA00059B
SNA1	STAND NECK A4D17UH	2EMZ00151
SSK1	STAND SCREW KIT A3AU0UH(SEMS-SW PAN BLACK_NI + M4X12.0)	1ESA34506
SSK2	Not used	
S1	CARTON(TOP) A5DRJMH	2EMC01072
S2	CARTON(BOTTOM) A5GRJUH	2EMC00999
S3	STYROFOAM TOP A5GRJUH	2EMC00997
S4	STYROFOAM BOTTOM A5GRJUH	2EMC00998
X2⚠	OWNERS MANUAL A5DUGMH	2EMN00488
X3	REMOTE CONTROL UNIT YKF340-007	URMT41JHG007
X6	QUICK START GUIDE A5DUDMA	2EMN00436
X28	CAUTION SHEET A5DRDML	2EMN00455A
LCD1⚠	LCD PANEL ASSEMBLY	U5DR5P0

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 TYPE C 55PFL4901/F7 (Serial No. : DS6)

Ref. No.	Description	Part No.
	DIGTAL MAIN CBA UNIT	A5DRJMMA-002
	MSW ASSEMBLY	A5DRJMSW-001
	Consists of the following	
	FUNCTION CBA UNIT	A5DRJMSW-001-FN
	IR SENSOR CBA UNIT	A5DRJMSW-001-IR
	POEWER SUPPLY CBA	A5DRJMPW-001
C605	ELECTROLYTIC CAP 33µF/400V M	CE2HMZNDL330
C616	ELECTROLYTIC CAP. 47µF/25V M	CE1EMASDL470
C621	Not used	
C624	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C640⚠	CAP CERAMIC SAFETY 470pF/250V B K KX	CJMR471KB2E1
C641⚠	CAP CERAMIC SAFETY 470pF/250V B K KX	CJMR471KB2E1
C642⚠	CAP CERAMIC SAFETY 470pF/250V B K KX	CJMR471KB2E1
C651	ELECTROLYTIC CAP. 330µF/35V M	CE1GMASDL331
C652	ELECTROLYTIC CAP. 330µF/35V M	CE1GMASDL331
C654	CAP ELE 470µF/25V/M/85	CED4710V8006
C655	CAP ELE 470µF/25V/M/85	CED4710V8006
C657	CAP ELE 470µF/25V/M/85	CED4710V8006
C665	CAP CHIP X7R 3216 1500pF/630V/X7R	CHD1520TE009
C693	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C721	Not used	
C723	Not used	
C724	Not used	
C725	Not used	
C726	Not used	
C731	Not used	
C801⚠	CAP METALLIZED FILM 1.0µF/310V /K/LE-MX	CTA1050DC001
C802	CAP METALLIZED FILM 0.022µF/630V/J	CTA223PKR004
C803⚠	CAP CERAMIC SAFETY 1000pF/250V E M KX	CJMR102M42E1
C1101	CAP ELE 10µF/50V/M/85	CEF1000V8006
C1102	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1103	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1104	CHIP CERAMIC CAP.(1608) B K 4700pF/50V	CHD1JK30B472
C1105	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1106	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1107	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1108	CHIP CERAMIC CAP. B K 220pF/50V	CHD1JK30B221
C1109	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1110	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1111	CHIP CERAMIC CAP.(1608) B K 0.22µF/25V	CHD1EK30B224
C1112	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1113	CHIP CERAMIC CAP.(3216) X7R K 1.0µF/ 100V	CA2A105MR080
C1115	CAP METALLIZED FILM 1.0µF/250V/J	CT8P105J02T2
C1116⚠	CAP METALLIZED FILM 1.0µF/310V /K/LE-MX	CTA1050DC001
C1117⚠	CAP METALLIZED FILM 1.0µF/310V /K/LE-MX	CTA1050DC001
C1118	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1119	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1120⚠	CAP METALLIZED FILM 1.0µF/310V /K/LE-MX	CTA1050DC001
C1121⚠	CAP METALLIZED FILM 1.0µF/310V /K/LE-MX	CTA1050DC001
C1201	Not used	
C1202	Not used	
C1203	Not used	
C1205	Not used	
C1206	Not used	
C1207	Not used	
C1208	Not used	
C1209	Not used	
C1210	Not used	
C1212	Not used	
C1213	Not used	
C1214	Not used	
C1216	Not used	
C1217	Not used	
C1218	Not used	
C1301	Not used	
C1302	Not used	
C1303	Not used	
C1305	Not used	
C1306	Not used	
C1307	Not used	
C1308	Not used	
C1309	Not used	
C1310	Not used	
C1312	Not used	
C1313	Not used	
C1314	Not used	
C1316	Not used	
C1317	Not used	
C1318	Not used	
C1401	Not used	
C1402	Not used	
C1403	Not used	
C1405	Not used	
C1406	Not used	
C1407	Not used	
C1408	Not used	
C1409	Not used	
C1410	Not used	
C1412	Not used	
C1413	Not used	
C1414	Not used	
C1416	Not used	
C1417	Not used	

Ref. No.	Description	Part No.
C1418	Not used	
C1616	Not used	
C1622	CERAMIC CAP. RB 330pF/2kV	CA3D331TE006
C1623	CERAMIC CAP. RB 330pF/2kV	CA3D331TE006
C1701	Not used	
C1702	Not used	
C1703	Not used	
C1704	Not used	
C1706	Not used	
C1708	Not used	
C1709	Not used	
C1710	Not used	
C1711⚠	Not used	
CN1102	PH CONNECTOR TOP 4P /H_ B4B-PH-K-S (LF)(SN)	J3PHC04JG029
CN1103	CONNECTOR PRINT OSU JS-1125-02KK	J3JT02CHY002
CN1201	Not used	
CN1401	Not used	
D405	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D406	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D612	ZENER DIODE SMD TFZGTR27B	QD1B000TFZ27
D614	ZENER DIODE PTZTE2527B	QD1B000PTZ27
D615	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D654	ZENER DIODE PTZTE2518B	QD1B000PTZ18
D658	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D659	DIODE(ZENER) PTZTE2524B	QD1B000PTZ24
D661	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D704	Not used	
D710	Not used	
D711	Not used	
D712	Not used	
D714A	Not used	
D801	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D802	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D803	ZENER DIODE SMD TFZGTR27B	QD1B000TFZ27
D804	ZENER DIODE SMD TFZGTR27B	QD1B000TFZ27
D1101	Not used	
D1102	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D1103	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D1104	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D1105	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D1106	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D1107	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D1108	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D1109	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D1112	ZENER DIODE EDZVT2R 15 B	QD1B0EDZVT15
D1113	ZENER DIODE EDZVT2R 15 B	QD1B0EDZVT15
D1201	Not used	
D1203	Not used	
D1204	Not used	
D1205	Not used	
D1301	Not used	
D1303	Not used	
D1304	Not used	
D1305	Not used	
D1401	Not used	
D1403	Not used	
D1404	Not used	
D1405	Not used	
D1610	SWITCHING DIODE 1SS400 TE61	QD1Z001SS400
D1705	Not used	
D1707A	Not used	
IC1101	LLC LED DRIVE BD9412F-GE2	QSCA0T0RM444

Ref. No.	Description	Part No.
IC1201	Not used	
IC1301	Not used	
IC1401	Not used	
IC1702⚠	Not used	
IC1703	Not used	
IC604	Not used	
L1101	Not used	
L1102	Not used	
L1201	Not used	
L1202	Not used	
L1301	Not used	
L1302	Not used	
L1401	Not used	
L1402	Not used	
Q603	CHIP TRANSISTOR 2SC2412K T146Q	QQ1Q2SC2412K
Q650	CHIP TRANSISTOR 2SC2412K T146Q	QQ1Q2SC2412K
Q653	CHIP TRANSISTOR 2SC2412K T146Q	QQ1Q2SC2412K
Q654	CHIP TRANSISTOR 2SC2412K T146Q	QQ1Q2SC2412K
Q671	Not used	
Q691	CHIP TRANSISTOR 2SC2412K T146Q	QQ1Q2SC2412K
Q692	CHIP TRANSISTOR 2SC2412K T146Q	QQ1Q2SC2412K
Q701	CHIP TRANSISTOR 2SC2412K T146Q	QQ1Q2SC2412K
Q702	CHIP TRANSISTOR 2SC2412K T146Q	QQ1Q2SC2412K
Q801	MOS-FET 3.5A/600V TK4P60DA(T6RSS-Q)	QF2ZTK4P60DA
Q802	MOS-FET 3.5A/600V TK4P60DA(T6RSS-Q)	QF2ZTK4P60DA
Q803	CHIP TRANSISTOR 2SA1037AK T146Q	QQ1Q2SA1037A
Q804	CHIP TRANSISTOR 2SA1037AK T146Q	QQ1Q2SA1037A
Q1101	Not used	
Q1103	Not used	
Q1201	Not used	
Q1203	Not used	
Q1301	Not used	
Q1303	Not used	
Q1401	Not used	
Q1403	Not used	
Q1603	Not used	
Q1604	NPN TRANSISTOR SMD 2SC5344SY	NQZY2SC5344S
Q1607	PNP TRANSISTOR SMD 2SA1586-GR.LF(T	QQ1GSA1586FT
Q1701	Not used	
Q1702	Not used	
Q1704	Not used	
R628	Not used	
R629	RES CHIP 1608 1/10W J 330kΩ	RRXA334HH013
R671	Not used	
R672	Not used	
R676	Not used	
R677	Not used	
R696	RES CHIP 1608 1/10W 0Ω	RRXA000HH014
R725	Not used	
R738	Not used	
R739	Not used	
R740	Not used	
R741	Not used	
R743	Not used	
R744	Not used	
R745	Not used	
R746	Not used	
R747	Not used	
R760	Not used	
R761	Not used	
R762	Not used	
R763	Not used	
R801	RES CHIP 3216 1/4W J 10Ω	RRX4100HH034

Ref. No.	Description	Part No.
R802	RES CHIP 3216 1/4W J 10 Ω	RRX4100HH034
R803	RES CHIP 3216 1/4W J 680 Ω	RRX4681HH034
R804	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R805	RES CHIP 3216 1/4W J 10 Ω	RRX4100HH034
R806	RES CHIP 3216 1/4W J 10 Ω	RRX4100HH034
R807	RES CHIP 3216 1/4W J 680 Ω	RRX4681HH034
R808	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1101	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1102	RES CHIP 1608 1/10W F 47.0k Ω	RTW4702HH008
R1103	RES CHIP 1608 1/10W F 68.0k Ω	RTW6802HH008
R1104	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1105	RES CHIP 1608 1/10W J 330k Ω	RRXA334HH013
R1106	RES CHIP 1608 1/10W J 200k Ω	RRXA204HH013
R1107	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1108	RES CHIP 1608 1/10W J 470k Ω	RRXA474HH013
R1109	RES CHIP 1608 1/10W J 68k Ω	RRXA683HH013
R1110	RES CHIP 3216 1/4W F 180k Ω	RT1803RYL008
R1111	RES CHIP 3216 1/4W F 180k Ω	RT1803RYL008
R1112	RES CHIP 1608 1/10W F 6.20k Ω	RTW6201HH008
R1113	RES CHIP 3216 1/4W F 180k Ω	RT1803RYL008
R1114	RES CHIP 3216 1/4W F 180k Ω	RT1803RYL008
R1115	RES CHIP 1608 1/10W F 6.20k Ω	RTW6201HH008
R1116	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R1117	RES CHIP 1608 1/10W J 12k Ω	RRXA123HH013
R1118	Not used	
R1119	RES WIREWOUND 2W F 0.56 Ω	RHR560PAK002
R1120	Not used	
R1121	RES CHIP 1608 1/10W J 27k Ω	RRXA273HH013
R1123	RES CHIP 1608 1/10W J 100k Ω	RRXA104HH013
R1124	RES CHIP 3216 1/4W J 10 Ω	RRX4100HH034
R1125	RES CHIP 3216 1/4W J 10 Ω	RRX4100HH034
R1126	RES CHIP 3216 1/4W J 470k Ω	RRX4474HH034
R1127	RES CHIP 3216 1/4W J 470k Ω	RRX4474HH034
R1128	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R1129	Not used	
R1130	Not used	
R1131	RES CHIP 3216 1/4W F 180k Ω	RT1803RYL008
R1132	RES CHIP 3216 1/4W F 180k Ω	RT1803RYL008
R1133	RES CHIP 3216 1/4W F 180k Ω	RT1803RYL008
R1134	RES CHIP 3216 1/4W F 180k Ω	RT1803RYL008
R1135	RES CHIP 1608 1/10W F 16.0k Ω	RTW1602HH008
R1136	RES CHIP 1608 1/10W F 16.0k Ω	RTW1602HH008
R1201	Not used	
R1202	Not used	
R1203	Not used	
R1204	Not used	
R1205	Not used	
R1206	Not used	
R1207	Not used	
R1208	Not used	
R1209	Not used	
R1210	Not used	
R1211	Not used	
R1212	Not used	
R1213	Not used	
R1215	Not used	
R1218	Not used	
R1219	Not used	
R1220	Not used	
R1221	Not used	
R1223	Not used	
R1224	Not used	
R1225	Not used	

Ref. No.	Description	Part No.
R1226	Not used	
R1227	Not used	
R1228	Not used	
R1229	Not used	
R1230	Not used	
R1231	Not used	
R1301	Not used	
R1302	Not used	
R1303	Not used	
R1304	Not used	
R1305	Not used	
R1306	Not used	
R1307	Not used	
R1308	Not used	
R1309	Not used	
R1310	Not used	
R1311	Not used	
R1312	Not used	
R1313	Not used	
R1315	Not used	
R1318	Not used	
R1319	Not used	
R1320	Not used	
R1321	Not used	
R1323	Not used	
R1324	Not used	
R1325	Not used	
R1326	Not used	
R1327	Not used	
R1328	Not used	
R1329	Not used	
R1330	Not used	
R1331	Not used	
R1401	Not used	
R1402	Not used	
R1403	Not used	
R1404	Not used	
R1405	Not used	
R1406	Not used	
R1407	Not used	
R1408	Not used	
R1409	Not used	
R1410	Not used	
R1411	Not used	
R1412	Not used	
R1413	Not used	
R1415	Not used	
R1418	Not used	
R1419	Not used	
R1420	Not used	
R1421	Not used	
R1423	Not used	
R1424	Not used	
R1425	Not used	
R1426	Not used	
R1427	Not used	
R1428	Not used	
R1429	Not used	
R1430	Not used	
R1431	Not used	
R1607	RES CHIP 1608 1/10W F 6.20k Ω	RTW6201HH008
R1608	RES CHIP 1608 1/10W F 36.0k Ω	RTW3602HH008
R1610	RES CHIP 1608 1/10W F 10.0k Ω	RTW1002HH008

Ref. No.	Description	Part No.
R1621	RES CHIP 1608 1/10W F 6.80kΩ	RTW6801HH008
R1625	RES CHIP 3216 1/4W J 10Ω	RRX4100HH034
R1626	RES CHIP 3216 1/4W J 10Ω	RRX4100HH034
R1632	Not used	
R1645	RES CHIP 1608 1/10W F 51.0kΩ	RTW5102HH008
R1702	Not used	
R1703	Not used	
R1704	Not used	
R1705	Not used	
R1707	Not used	
R1708	Not used	
R1710	Not used	
R1711	Not used	
R1712	Not used	
R1714	Not used	
R1718	Not used	
R1719	Not used	
R1720	Not used	
B-1704	Not used	
BC1102	Not used	
BC1202	Not used	
BC1302	Not used	
BC1402	Not used	
BC1703	Not used	
F602⚠	FUSE TIME LAG /_2 SCT2.5A-XA	PDGSTB08S252
JB603	WIRE CP CP0.56	XZ40F0XRC001
L35	Not used	
T801⚠	TRANS POWER BCK-1689	LTT1PCMEK007
T802⚠	TRANS POWER BCK-35EB	LTT3PCMEK036
T1701⚠	Not used	

TYPE E

PARTS LIST [55PFL4901/F8 (Serial No.: TC2)]

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 TYPE E 55PFL4901/F8 (Serial No. : DS1)

Ref. No.	Description	Part No.
A15⚠	RATING LABEL A5DRDML	---------
CL4001	Not used	
CL4051	WIRE ASSEMBLY 2PIN 2PIN/585MM	WX1A4GR0T301
SSK1	STAND SCREW KIT A5GRBUH(SEMS-SW PAN BLACK_NI + M4X12.0)	2ESA02120
S1	CARTON(TOP) A5DRLML	HK2EMC01119
S12	CARTON LABEL A51RDMA	---------
X2⚠	OWNERS MANUAL A5DUDMA	2EMN00435
X22	CAUTION SHEET A5DRDML	HK2EMN00455A
X28	Not used	
LCD1⚠	LCD PANEL ASSEMBLY	U5DRBXL

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 TYPE E 55PFL4901/F8 (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A5DRLMMA-001
	MSW ASSEMBLY	A5DRGMSW-001
	Consists of the following	
	FUNCTION CBA UNIT	A5DRGMSW-001-FN
	IR SENSOR CBA UNIT	A5DRGMSW-001-IR

TYPE F

PARTS LIST [55PFL5601/F7 (Serial No.: DS1)]

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
A15⚠	RATING LABEL A51RJUH	---------
A16	LOGO LABEL A51RHMH	---------
A17	ENERGY GUIDE LABEL A51RJUH	---------
A26	SPEAKER HOLDER A4GU0UT	2EMM00248
CL3601	Not used	
CL3801	WIRE ASSEMBLY 4PIN 4PIN/210MM&750MM	WX1A51RET301
CL3901	FFC WIRE ASSEMBLY 51PIN(W/SHIELD) 51P/ FFC/SHIELD/374MM	WX1A51RET411
CL3902	WIRE ASSEMBLY 6PIN 6PIN/390MM	WX1A51RET314
SBA1	50W STAND BASE ASSEMBLY(FC) A3AUVUH	2EMN00354
SNA1	50W STAND HINGE ASSEMBLY (FC) A4GU5UH	2EMN00139A
SP3801	SPEAKER MAGNETIC 8OHM/10W S0411F34	DS08110XQ010
SP3802	SPEAKER MAGNETIC 8OHM/10W S0411F34	DS08110XQ010
SSK2	STAND SCREW KIT A5GRBUH(SEMS-SW PAN 3CHROM + M5X12)	2ESA02121
S1	CARTON A51RJUH	2EMC01106
S3	STYROFOAM TOP A51RJUH	2EMC01104
S4	STYROFOAM BOTTOM A51RJUH	2EMC01105
S16	Not used	
X2⚠	OWNERS MANUAL A51RJUH	2EMN00519
X4	Not used	
X6	QUICK START GUIDE A51RJUH	2EMN00520
X22	Not used	
X28	CAUTION SHEET A5DUFUH	2EMN00437
LCD1⚠	LCD PANEL ASSEMBLY	U5DRAP0

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 55PFL6900/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RJMMA-003
When replacing "DIGITAL MAIN CBA UNIT", check "55PFL5601/F7 (Serial No.:DS1) A51RJUH SERVICE ADDITIONAL SHEET".		
CL3601	WIRE ASSEMBLY 26PIN 26PIN/390MM	WX1A51RJT303
When ordering Ref.No. "CL3601", check "55PFL5601/F7 (Serial No.:DS1) A51RJUH SERVICE ADDITIONAL SHEET" .		
IC3001	IC MSD95M2D-3-004E	NSAA0RMST006
IC3101	Not used	
IC3102	IC NAND FLASH 4GB H27U4G8F2ETR-BC	NSCA0R0HY050
	When you replace one of the below ICs on this CBA, replace with the one that has the same part number. Do not mix ICs with different part number.	
IC3301	IC 2GB DDR3 SDRAM H5TQ2G63FFR-RDC	NSCA0R0HY047
IC3302	IC 2GB DDR3 SDRAM H5TQ2G63FFR-RDC	NSCA0R0HY047
IC3401	IC 2GB DDR3 SDRAM H5TQ2G63FFR-RDC	NSCA0R0HY047
IC3402	IC 2GB DDR3 SDRAM H5TQ2G63FFR-RDC	NSCA0R0HY047
	or	
IC3301	IC 2GB DDR3 SDRAM H5TQ2G63GFR-RDC	NSCA0R0HY049
IC3302	IC 2GB DDR3 SDRAM H5TQ2G63GFR-RDC	NSCA0R0HY049
IC3401	IC 2GB DDR3 SDRAM H5TQ2G63GFR-RDC	NSCA0R0HY049
IC3402	IC 2GB DDR3 SDRAM H5TQ2G63GFR-RDC	NSCA0R0HY049
	or	
IC3301	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
IC3302	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
IC3401	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
IC3402	IC 2GB DDR3 SDRAM K4B2G1646Q-BCMA	NSCA0R0SM057
	or	
IC3301	IC 2GB DDR3 SDRAM NT5CC128M16IP-EK	NSCA0R0J2027
IC3302	IC 2GB DDR3 SDRAM NT5CC128M16IP-EK	NSCA0R0J2027
IC3401	IC 2GB DDR3 SDRAM NT5CC128M16IP-EK	NSCA0R0J2027
IC3402	IC 2GB DDR3 SDRAM NT5CC128M16IP-EK	NSCA0R0J2027
	or	
IC3301	IC 2GB DDR3 SDRAM K4B2G1646F-BCMA	NSCA0R0SM061
IC3302	IC 2GB DDR3 SDRAM K4B2G1646F-BCMA	NSCA0R0SM061
IC3401	IC 2GB DDR3 SDRAM K4B2G1646F-BCMA	NSCA0R0SM061
IC3402	IC 2GB DDR3 SDRAM K4B2G1646F-BCMA	NSCA0R0SM061
IC3501	Not used	
IC3502	Not used	
IC3605	DDR TERMINATION REGULATOR APL5338AXAI	NSCA0T03A031
IC3606	IC DC-DC CONVERTER MP2315SGJ-Z TSOT23-8	NSCA0T09M034
IC3609	Not used	
IC3803	IC D-CLASS AUDIO POWER AMPLIFI BD28620MUV-E2	QSCA0T0RM433
IC5001	Not used	
IC5002	Not used	
	When you replace one of the below ICs on this CBA, replace with the one that has the same part number. Do not mix ICs with different part number.	
IC5003	Not used	
IC5006	Not used	
	or	
IC5003	Not used	
IC5006	Not used	
IC5602	Not used	
IC5604	Not used	
IC5605	Not used	
IC5606	Not used	
IC9001	IC SILICON TUNER SI2151-A10-GMR	NSCA0T05S010
TU3001	Not used	
	MSW ASSEMBLY	A51RJMSW-001
	Consists of the following	
	FUNCTION CBA UNIT	A51RJMSW-001-FN
	IR SENSOR CBA UNIT	A51RJMSW-001-IR
IC4051	Not used	
	POWER SUPPLY CBA	A51RJMPW-001
C606	CERAMIC CAP. 100pF/2kV	CA3D101PAN04
C610	Not used	
C612	Not used	
C613	CHIP CERAMIC CAP.(1608) B K 0.022µF/50V	CHD1JK30B223
C615	CAP ELE 47µF/50V/M/85	CEF4700V8006
C616	Not used	
C620	Not used	
C622	Not used	
C625	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C1004	Not used	
D609A	DIODE SCHOTTKY SMD RB520SM-30 T2R	QD1ZRB520SM3
D615	Not used	
D616	Not used	
D618	Not used	
D619A	Not used	
D620A	Not used	
D651	Not used	
D1104	ZENER DIODE MM5Z24B	ND1B0MM5Z24B
D1105	Not used	
D1204	ZENER DIODE MM5Z24B	ND1B0MM5Z24B
D1205	Not used	
D1304	ZENER DIODE MM5Z24B	ND1B0MM5Z24B
D1305	Not used	
D1404	ZENER DIODE MM5Z24B	ND1B0MM5Z24B
D1405	Not used	
D1603	DIODE FAST RECOVERY /_1 SF38G B0	NDWZ000SF38G

Ref. No.	Description	Part No.
D1605	DIODE FAST RECOVERY /_1 SF38G B0	NDWZ000SF38G
D1608	ZENER DIODE SMD TFZVTR18B	QD1B00TFZV18
D1705A	DIODE SCHOTTKY SMD RB520SM-30 T2R	QD1ZRB520SM3
IC601	IC SWITCHING BM1P062FJ/SOP-J8	QSCA0T0RM432
Q602	Not used	
Q1103	MOS FET /_1 RSR020N06TL	QF1ZSR020N06
Q1203	MOS FET /_1 RSR020N06TL	QF1ZSR020N06
Q1303	MOS FET /_1 RSR020N06TL	QF1ZSR020N06
Q1403	MOS FET /_1 RSR020N06TL	QF1ZSR020N06
Q1604	NPN TRANSISTOR SMD KTC8050S-D-RTK/P	NQ1DKTC8050S
R604	RES CHIP 1608 1/10W J 1.0k Ω	RRXA102HH013
R606	Not used	
R607	Not used	
R609	Not used	
R610	RES CHIP 3216 1/4W J 10k Ω	RRX4103HH034
R611	RES CHIP 3216 1/4W J 10k Ω	RRX4103HH034
R612	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R614	RES CHIP 3216 1/4W J 10k Ω	RRX4103HH034
R618	METALOXIDE RES 2W J 0.22Ω	RNJR22PAK002
R619	Not used	
R623	RES CHIP 1608 1/10W F 2.70k Ω	RTW2701HH008
R624	RES CHIP 3216 1/4W F 220k Ω	RTC2203HH020
R625	RES CHIP 3216 1/4W F 220k Ω	RTC2203HH020
R626	RES CHIP 3216 1/4W F 220k Ω	RTC2203HH020
R627	RES CHIP 1608 1/10W F 15.0k Ω	RTW1502HH008
R632	Not used	
R633	Not used	
R635	Not used	
R636	Not used	
R743	RES CHIP 1608 1/10W F 24.0k Ω	RTW2402HH008
R744	RES CHIP 1608 1/10W F 1.80k Ω	RTW1801HH008
R1101	RES CHIP 1608 1/10W F 51.0k Ω	RTW5102HH008
R1122	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R1124	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1129	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1130	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1131	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1201	RES CHIP 1608 1/10W F 51.0k Ω	RTW5102HH008
R1222	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R1224	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1229	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1230	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1231	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1301	RES CHIP 1608 1/10W F 51.0k Ω	RTW5102HH008
R1322	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R1324	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1329	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1330	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1331	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1401	RES CHIP 1608 1/10W F 51.0k Ω	RTW5102HH008
R1422	RES CHIP 1608 1/10W 0 Ω	RRXA000HH014
R1424	RES CHIP 1608 1/10W J 10k Ω	RRXA103HH013
R1429	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1430	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1431	RES CHIP 3216 1/4W F 0.510 Ω	RTR510RYL011
R1633	RES CHIP 3216 1/4W J 3.3k Ω	RRX4332HH034
R1637	RES CHIP 3216 1/4W J 100 Ω	RRX4101HH034
R1657	RES CHIP 3216 1/4W J 3.3k Ω	RRX4332HH034
BC1601	Not used	
BC1602	Not used	

TYPE F

PARTS LIST [55PFL5901/F7 (Serial No.: DS1)]

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 TYPE F 55PFL5601/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
A15⚠	RATING LABEL A51RMUH	---------
A17	ENERGY GUIDE LABEL A51RMUH	---------
CL3601	WIRE ASSEMBLY 26PIN 26PIN/390MM	WX1A51RET313
S1	CARTON A51RMUH	2EMC01130
X2⚠	OWNERS MANUAL A51RMUH	2EMN00539
X4	BATTERY DRY R03PVKDS2ZZD	XB00M0CLB003
X6	QUICK START GUIDE A51RMUH	2EMN00540

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 TYPE F 55PFL5601/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RMMMA-001
CL3601	Not used	

TYPE F

PARTS LIST [55PFL5901/F8 (Serial No.: FM1)]

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 TYPE F 55PFL5901/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
RA1-1	REAR CABINET L ASSEMBLY A51RKMZ	2EMA00153
RA1-2	REAR CABINET R ASSEMBLY A51RKMZ	2EMA00154
A15⚠	RATING LABEL A51RPMG	----------
A17	Not used	
CL3601	WIRE ASSEMBLY 26PIN 26PIN/390MM	WX1A51RET313
S1	CARTON(TOP) A51RPMG	HK2EMC01136
S2	CARTON(BOTTOM) A5GRJUH	2EMC00999
S3	STYROFOAM TOP A5GRJUH	2EMC00997
S4	STYROFOAM BOTTOM A5GRJUH	2EMC00998
S7	SERIAL NO. LABEL A4GF1UT	----------
S12	CARTON LABEL A51RPMG	----------
S16	PACKING JOINT A5GRBUH	2EMC00673
X2⚠	OWNERS MANUAL A51RPMG	2EMN00543
X3	REMOTE CONTROL UNIT YKF340-007	URMT41JHG007
X6	QUICK START GUIDE A51RPMG	HK2EMN00544
X22	CAUTION SHEET A5DUFUH	HK2EMN00437
X28	Not used	
LCD1⚠	LCD PANEL ASSEMBLY	U5DRFXG

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 TYPE F 55PFL5901/F7 (Serial No. : DS1)

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A51RPMMA-001

REVISION HISTORY

Chassis PL15.16

- 2015/05/29 55PFL6900/F7 (Serial No.: DS1) added
- 2015/08/20 55PFL7900/F7 (Serial No.: DS2) added
- 2015/10/07 55PFL7900/F8 (Serial No.: XA1) added
- 2015/10/15 55PFL6900/F8 (Serial No.: XA1) added
- 2015/12/21 55PFL6900/F8 (Serial No.: TC1) added
- 2016/03/31 55PFL7900/F8 (Serial No.: TC1) First draft added
- 2016/05/16 55PFL4901/F7 (Serial No.: DS6) First draft added
- 2016/05/18 55PFL6900/F7 A (Serial No.: DS2) First draft added
- 2016/05/19 55PFL4901/F8 (Serial No.: TC1) First draft added
- 2016/05/23 55PFL4901/F8 (Serial No.: DS1) First draft added
- 2016/06/28 55PFL6900/F8 A (Serial No.: DS1) First draft added
- 2016/06/29 55PFL5601/F7 (Serial No.: DS1) First draft added
- 2016/09/13 55PFL5901/F7 (Serial No.: DS1) First draft added
- 2016/10/12 55PFL6900/F8 A (Serial No.: TC1) First draft added
- 2016/10/31 55PFL4901/F8 (Serial No.: TC2) First draft added
- 2016/12/07 55PFL5901/F8 (Serial No.: FM1) First draft added

COMPARISON LIST OF MODEL NAMES

Chassis PL15.16

55PFL6900/F7	(DS1)	A51RCUH	TYPE A
55PFL6900/F8	(XA1)	A51RDMA	TYPE A
	(TC1)	A51RFML	TYPE A
55PFL7900/F7	(DS2)	A51RZUH	TYPE B
55PFL7900/F8	(XA1)	A51RYMA	TYPE B
	(TC1)	A51RXML	TYPE B
55PFL4901/F7	(DS6)	A5DRGUH	TYPE C
55PFL4901/F8	(TC1)	A5DRDML	TYPE C
	(DS1)	A5DRJMH	TYPE E
	(TC2)	A5DRLML	TYPE E
55PFL6900/F7 A	(DS2)	A51RGUH	TYPE D
55PFL6900/F8 A	(DS1)	A51RHMH	TYPE D
	(TC1)	A51RKML	TYPE D
55PFL5601/F7	(DS1)	A51RJUH	TYPE F
55PFL5901/F7	(DS1)	A51RMUH	TYPE F
55PFL5901/F8	(FM1)	A51RPMG	TYPE F

55PFL5601/F7 (Serial No.: DS1) A51RJUH SERVICE ADDITIONAL SHEET

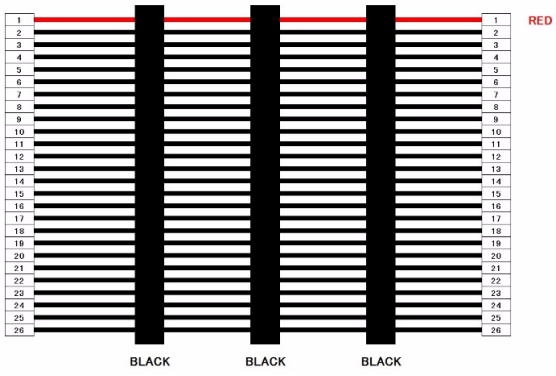
Notification on wiring

● Corresponding Models

55PFL5601/F7 (DS1)

● Symptom

When replacing the Digital Main CBA Unit, replace it along with the Wire Assembly.
When removing the Digital Main CBA Unit from the Main Unit, remove it along with the Wire Assembly and use them in pairs.
55PFL5601/F7 model has the combination of more than one Wire Assembly and Digital Main CBA Unit.
See the following table for more information.

Digital Main CBA Unit	A51RJMMA-001	A51RJMMA-003
Connecter Direction		
Wire Assembly Parts No.	WX1A51RET313 	WX1A51RJT303