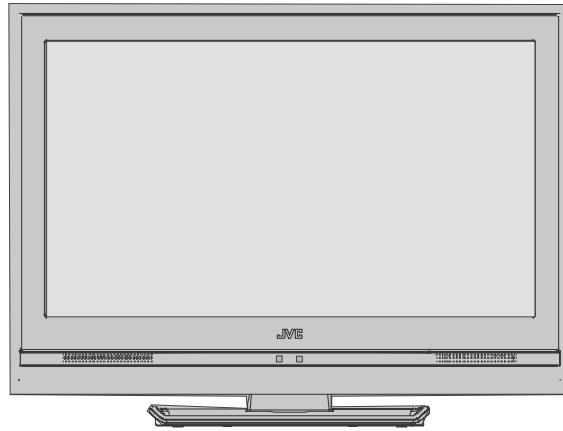


JVC

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

**LT-26DY8ZG,
LT-26DY8ZJ**



DVB
Digital Video
Broadcasting

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

TABLE OF CONTENTS

1 PRECAUTION	1-3
2 SPECIFIC SERVICE INSTRUCTIONS	1-7
3 DISASSEMBLY	1-11
4 ADJUSTMENT	1-15
5 TROUBLESHOOTING	1-15

SPECIFICATION

Items		Contents	
		LT-26DY8ZG	LT-26DY8ZJ
Dimensions (W × H × D)		67.5cm × 52.3cm × 18.0cm [Included stand] 67.5cm × 47.8cm × 12.1cm [TV only]	
Mass		12.6kg [Included stand] 11.2kg [TV only]	
Power Input		AC220 - 240V, 50Hz	
Power Consumption		160W (Standby: 1.0W)	
TV RF System	Analog Digital	CCIR (B/G, I, D/K, L) DVB-T	
Colour System		PAL, SECAM, NTSC 3.58/4.43 [EXT only]	
Stereo System		NICAM (B/G, I, D/K, L), A2 (B/G, D/K)	
Receiving Frequency	Analog Digital CATV	VHF: 46.25 MHz - 470 MHz UHF: 470 MHz - 862.25 MHz UHF: 474 MHz - 858 MHz S1 - S20 / S21 - S41	
Intermediate Frequency	VIF SIF	38.9 MHz (B/G, I, D/K, L) 33.4 MHz (5.5 MHz: B/G) 32.9 MHz (6.0 MHz: I) 32.4 MHz (6.5 MHz: D/K, L)	
Colour Sub Carrier Frequency	PAL SECAM NTSC	4.43 MHz 4.40625 MHz / 4.25MHz 3.58 MHz / 4.43 MHz	
Teletext System	Analog	TOP, FLOF (Fastext level 2.5), WST(World Standard system)	
	Digital	Digital Teletext (VBI insertion)	Digital Teletext (Mheg5)
LCD panel		26V-inch wide aspect (16:9)	
Screen Size		Diagonal : 66.0cm (H:57.7cm × V : 32.5cm)	
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-VGA)	
Audio Power Output		8W + 8W(10% THD)	
Speaker		4.2cm × 16cm oval type × 2	
Aerial terminal (VHF/UHF)		EU-type connector, 75Ω unbalanced, coaxial	
EXT-1 / EXT-2 (Input / Output)		21-pin Euro connector (SCART socket) × 2	
EXT-3(Input)	Component Video 625p / 525p / 625i / 525i / 750p / 1125i	RCA pin jack × 3 Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω	
	Audio	500mV(rms) (-4dBs), high impedance, RCA pin jack × 2	
EXT-4 (Input)	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1	
	Audio	500mV (rms), High impedance, RCA pin jack × 2	
EXT-5 / EXT-6 (Input / Output)		HDMI 19pin connector × 2	
Audio Output	Analog	500mV (rms), Low impedance, RCA pin jack × 2	
	Digital	AC3 compatible, RCA pin jack × 1	
Headphone		3.5mm stereo mini jack × 1	
Card Slot		CAM(Conditional Access Module) × 1	
Remote Control Unit		RM-C1899S (AA/R6 dry cell battery × 2)	

Design & specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⊻) side GND and EARTH : (⊕) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

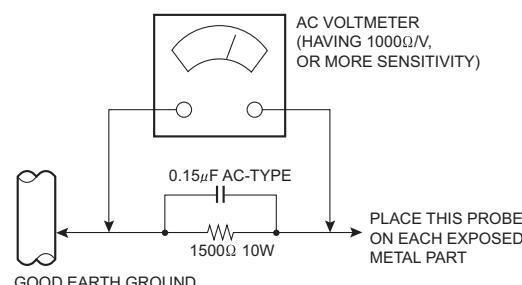
b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 SAFETY PRECAUTIONS [FOR UK]

- (1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

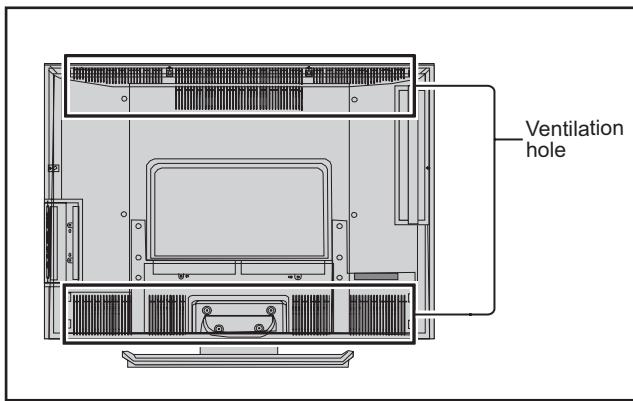
WARNING

- (1) The equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

1.3 INSTALLATION

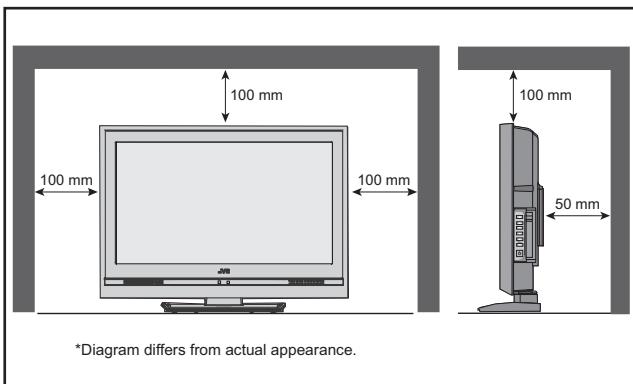
1.3.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



1.3.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



1.3.3 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.4 HANDLING LCD PANEL

1.4.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL

When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT

Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS

The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY

Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.4.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.4.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

DVB-T (DIGITAL TERRESTRIAL BROADCASTING)

This TV can receive both Digital terrestrial broadcasting (DVB-T) and Analogue terrestrial broadcasting.

HDMI (High Definition Multimedia Interface)

HDMI is the first industry supported, uncompressed, all digital audio/video interface. By connecting an HDMI compatible device, high definition pictures can be displayed on your TV in their digital form.

3D COMB

3D Comb is used to improve colour transitions and colour quality of pictures.

T-V LINK

When you have a T-V LINK compatible VCR connected to the EXT-2 Terminal on the TV, it is easier to set up the VCR and to view videos.

ZOOM

This function can change the screen size according to the picture aspect ratio.

OFF TIMER

This function can set the TV to automatically turn off after a set time.

COLOUR SYSTEM

If the picture is not clear or no colour appears, change the current colour system to another colour system.

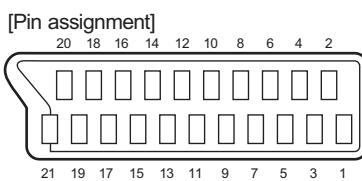
2.2 MAIN DIFFERENCE LIST

Item	LT-26DY8ZG	LT-26DU8ZJ
POWER CORD	EU type(2-pin)	UK type(3-pin)
DIGITAL TUNER PWB	VE-20325967	VE-20325968

2.3 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal),, Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal),, High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal),, Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal),, High impedance	Used (L1)	Used (L2)
7	B input	700mV _(B-W) , 75Ω	Used	Used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL / T-V LINK		Not used	Used (TV-LINK)
11	G input	700mV _(B-W) , 75Ω	Used	Used
12	SDA		Not used	Not used
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : 700mV _(B-W) , 75Ω C : 300mV _(P-P) , 75Ω	Used (R)	Used (C/R)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	1V _(P-P) (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	1V _(P-P) (Negative sync), 75Ω	Used (V1)	Used (Y/V2)
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)



2.4 TECHNICAL INFORMATION

2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Displayed colour	16194277 colours	253 colours for R, G, and B
Brightness	500cd/m ²	
Contrast ratio	800 : 1	
Response time	8ms	
View angle	Horizontally: 160°, Vertically: 150°	

2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

■ BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

■ DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

■ FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

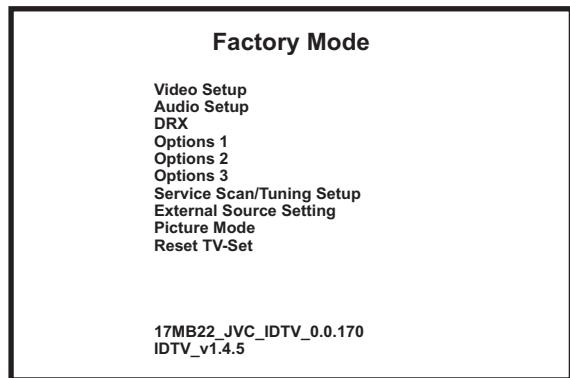
For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.5 BASIC OPERATION OF SERVICE MODE

2.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Press [MENU] key on the remote control unit to enter the MENU screen.
- (2) Press [INFORMATION] key and [MUTING] key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN.

SERVICE MODE SCREEN



2.5.2 HOW TO EXIT THE SERVICE MODE

Press the [MENU] key to exit the Service mode.

2.5.3 CHANGE AND MEMORY OF SETTING VALUE

■ SELECTION OF SETTING MENU & ITEM

- [FUNCTION ▲/▼] key : Select the SETTING MENU & ITEM
- [OK] key : Decide the SETTING MENU & ITEM

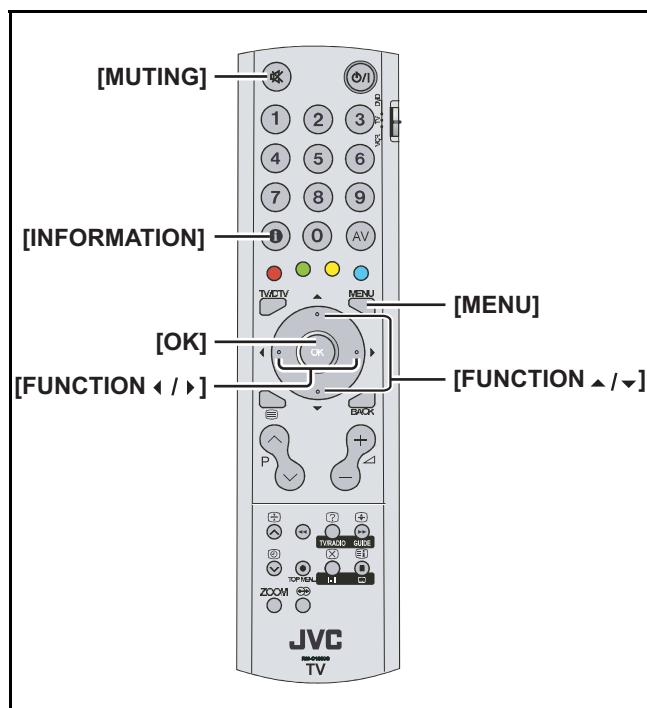
■ CHANGE OF SETTING VALUE (DATA)

- [FUNCTION ◀ / ▶] key

■ MEMORY OF SETTING VALUE (DATA)

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

2.5.4 SERVICE MODE SELECT KEY LOCATION



2.5.5 SERVICE MODE SETTING ITEMS

Setting menu	Setting items
Video Setup	Panel Select Picture Mute Blue Screen RSS Lvds Mode PIP AGC (dB)
Audio Setup	BBE AVL Carrier Mute Audio Delay Offset Prescale Dynamic Bass Subwoofer
DRX	PAL AGC SECAM AGC SIF Reference
Options 1	VCTP Version Double Digit Power-Up Mode TV Open Mode Select Languages First APS APS Volume Burn-In Mode HDMI WP UHF Only for UK Hdmi Db Card is Pixelence String DTV SW
Options 2	Led Type PC PIP PAP BASIC PIP PAP ADV PIP PAP PC Standby MB32 HP Volume Table for Equalizer Setting for DTV Tuner Available 3D Comb
Options 3	Dyn. Menu Sort Sleep Timer OSD AVL in Menu Pin8 Standby

Setting menu	Setting items
Service Scan/Tuning Setup	Search for L/L'
	Pref. Search Standard
	Station Ident
	ATS Delay Time (ms)
	Color Kill Thr.
	Agc Thr
	Ovm Thr
	Tuner Options
External Source Settings	DTV
	DVD
	Ext2 S-Video
	Ext3
	Ext3 S-Video
	FAV
	BAV
	S-Video
	HDMI-1
	HDMI-2
	YPbPr
	PC
Picture Mode	Sources
	Picture Mode
	Colour Temp.
	Contrast
	Brightness
	Sharpness
	Colour
	Backlight
	R
	G
	B
Reset TV-Set	Initialize NVM from ROM

SECTION 3

DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

NOTE:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required.
- Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE FOOT ASSEMBLY

- (1) Remove the 4 screws [A].
- (2) Remove the HINGE COVER.
- (3) Remove the FOOT ASSEMBLY.

3.1.2 REMOVING THE BACK COVER

- Remove the FOOT ASSEMBLY.
 - (1) Remove the 14 screws [B].
 - (2) Remove the 2 screws [C], 2 screws [D] and 2 screws [E].
 - (3) Remove the BACK COVER.

3.1.3 REMOVING THE HANGER WALL METAL

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
 - (1) Remove the 2 screws [F].
 - (2) Remove the HANGER WALL METAL.
 - (3) Remove the opposite one by the same method.

3.1.4 REMOVING THE SIDE CONTROL PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
 - (1) Remove the 2 screws [G].
 - (2) Remove the FUNCTION BUTTON BRACKET.
 - (3) Remove the 2 screws [H].
 - (4) Remove the FUNCTION BUTTON with the SIDE CONTROL PWB.
 - (5) Remove the 4 claws, which is fixing the SIDE CONTROL PWB.
 - (6) Remove the SIDE CONTROL PWB.

3.1.5 REMOVING THE AV JACK PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
 - (1) Remove the 2 screws [J].
 - (2) Remove the AV JACK BRACKET.
 - (3) Remove the 4 screws [K].
 - (4) Remove the AV JACK PWB.

3.1.6 REMOVING THE POWER PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
 - (1) Remove the 4 screws [L].
 - (2) Remove the POWER PWB.

3.1.7 REMOVING THE MAIN PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
 - (1) Remove the 2 screws [M] and 2 screws [N].
 - (2) Remove the SOCKET COVER BRACKET.
 - (3) Remove the 7 screws [P].
 - (4) Remove the MAIN PWB.

3.1.8 REMOVING THE DIGITAL TUNER PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
 - (1) Remove the 2 screws [Q].
 - (2) Remove the COMMON INTERFACE BRACKET.
 - (3) Remove the 4 screws [R].
 - (4) Remove the DIGITAL TUNER PWB.

3.1.9 REMOVING THE SPEAKER

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
 - (1) Remove the 2 screws [S].
 - (2) Remove the SPEAKER.
 - (3) Remove the opposite SPEAKER by the same method.

3.1.10 REMOVING THE LED PWB

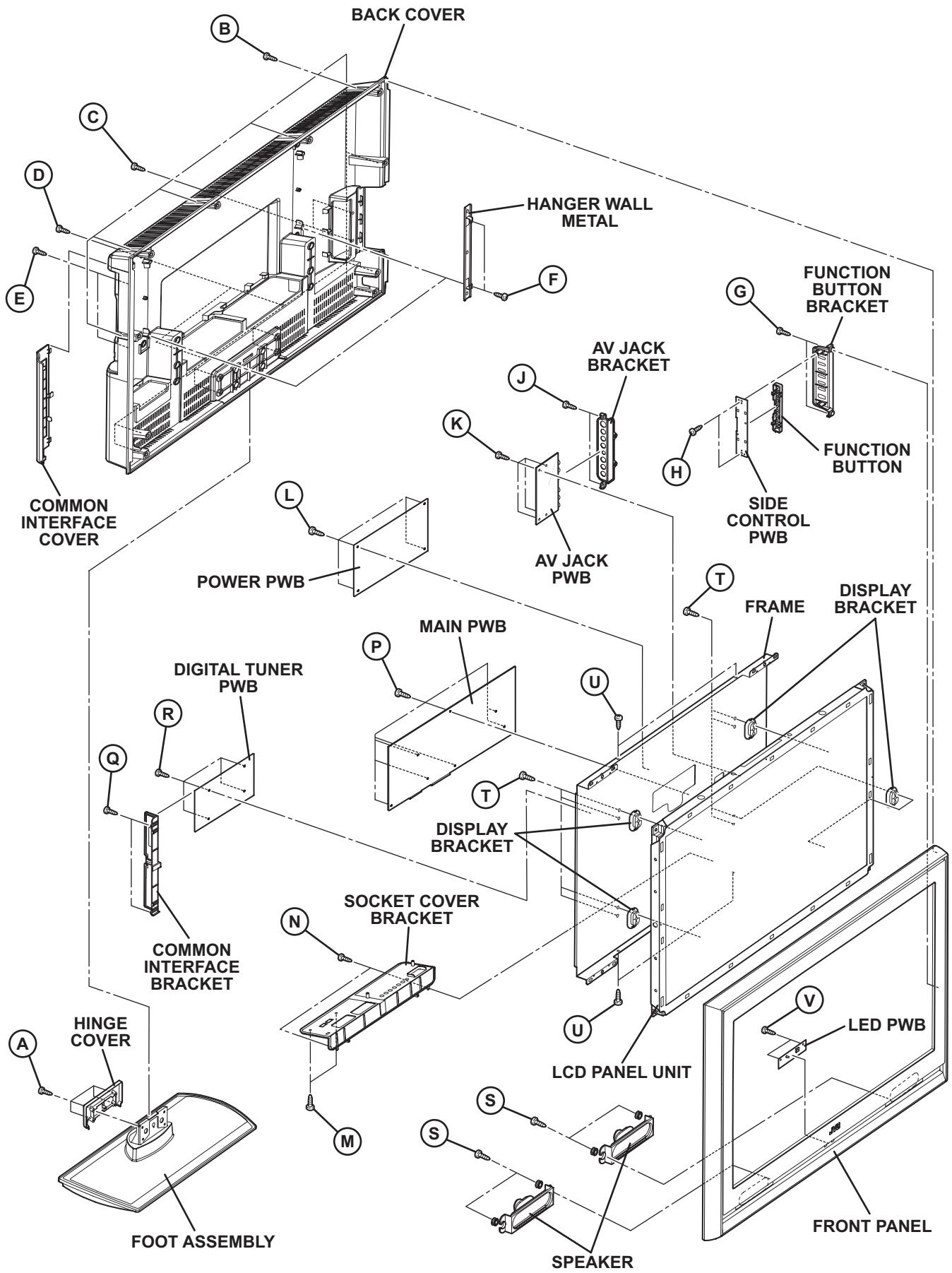
- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the MAIN PWB.
- Remove the DIGITAL TUNER PWB.
 - (1) Remove the 8 screws [T].
 - (2) Remove the DISPLAY BRACKET.
 - (3) Remove the 4 screws [U].
 - (4) Remove the FRAME.
 - (5) Remove the 2 screws [V].
 - (6) Remove the LED PWB.

3.1.11 REMOVING THE LCD PANEL UNIT

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the FRAME.
 - (1) Slightly raise the both sides of the LCD PANEL UNIT by hand and remove the LCD PANEL UNIT from the FRONT PANEL.

NOTE:

- Pay special attention not to break or damage on the front of the LCD PANEL.



3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 SETTINGS OF FACTORY SHIPMENT

3.2.1.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
TV/AV	TV

3.2.1.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item	Setting position
Mode	Bright
Contrast	63
Brightness	32
Sharpness	10
Colour	42
Colour Temp.	Cool
Noise Reduction	Minimum

(2) SOUND

Setting item	Setting position
Volume	0
Bass	0
Treble	0
Balance	0
Sound Mode	Stereo
Hyper sound	Off

3.2.1.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
ZOOM	Auto
Hyper Sound	Off

(3) FEATURE

Setting item	Setting position
Sleep Timer	Off
Child Lock	Off
Language	English
EXT-2 Output	TV/DTV
Auto Aspect	Panoramic
Blue Background	Off

(4) INSTALL

Setting item	Setting position
Colour System	AUTO
Decoder(EXT-2)	Off
VCR	Off

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

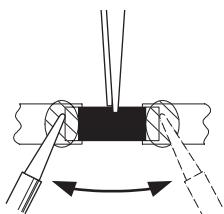
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

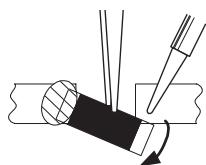
1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

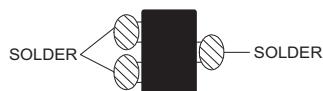


- (2) Shift with the tweezers and remove the chip part.

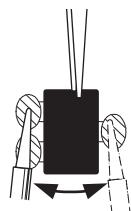


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



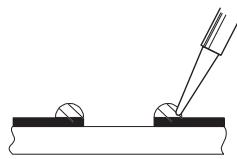
NOTE :

After removing the part, remove remaining solder from the pattern.

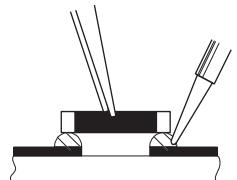
2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

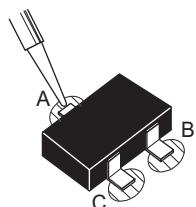


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

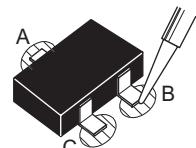


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 4 ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



JVC

Victor Company of Japan, Limited

Display category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA567<Rev.001>)

PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
$\pm 1\%$	$\pm 2\%$	$\pm 5\%$	$\pm 10\%$	$\pm 20\%$	$\pm 30\%$	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT	3-2
EXPLODED VIEW PARTS LIST	3-3
EXPLODED VIEW	3-4
PRINTED WIRING BOARD PARTS LIST [LT-26DY8ZG]	3-5
MAIN P.W. BOARD ASS'Y (VE-20357300)	3-5
AV JACK P.W. BOARD ASS'Y (VE-20335749)	3-9
SIDE CONTROL P.W. BOARD ASS'Y (VE-20339397)	3-10
LED P.W. BOARD ASS'Y (VE-20313667)	3-10
POWER P.W. BOARD ASS'Y (VE-20351341)	3-10
REG P.W. BOARD ASS'Y (VE-20329135)	3-11
PRINTED WIRING BOARD PARTS LIST [LT-26DY8ZJ]	3-12
MAIN P.W. BOARD ASS'Y (VE-20357305)	3-12
AV JACK P.W. BOARD ASS'Y (VE-20335749)	3-16
SIDE CONTROL P.W. BOARD ASS'Y (VE-20339397)	3-16
LED P.W. BOARD ASS'Y (VE-20313667)	3-16
POWER P.W. BOARD ASS'Y (VE-20351341)	3-16
REG P.W. BOARD ASS'Y (VE-20329135)	3-16
PACKING	3-17
PACKING PARTS LIST	3-17

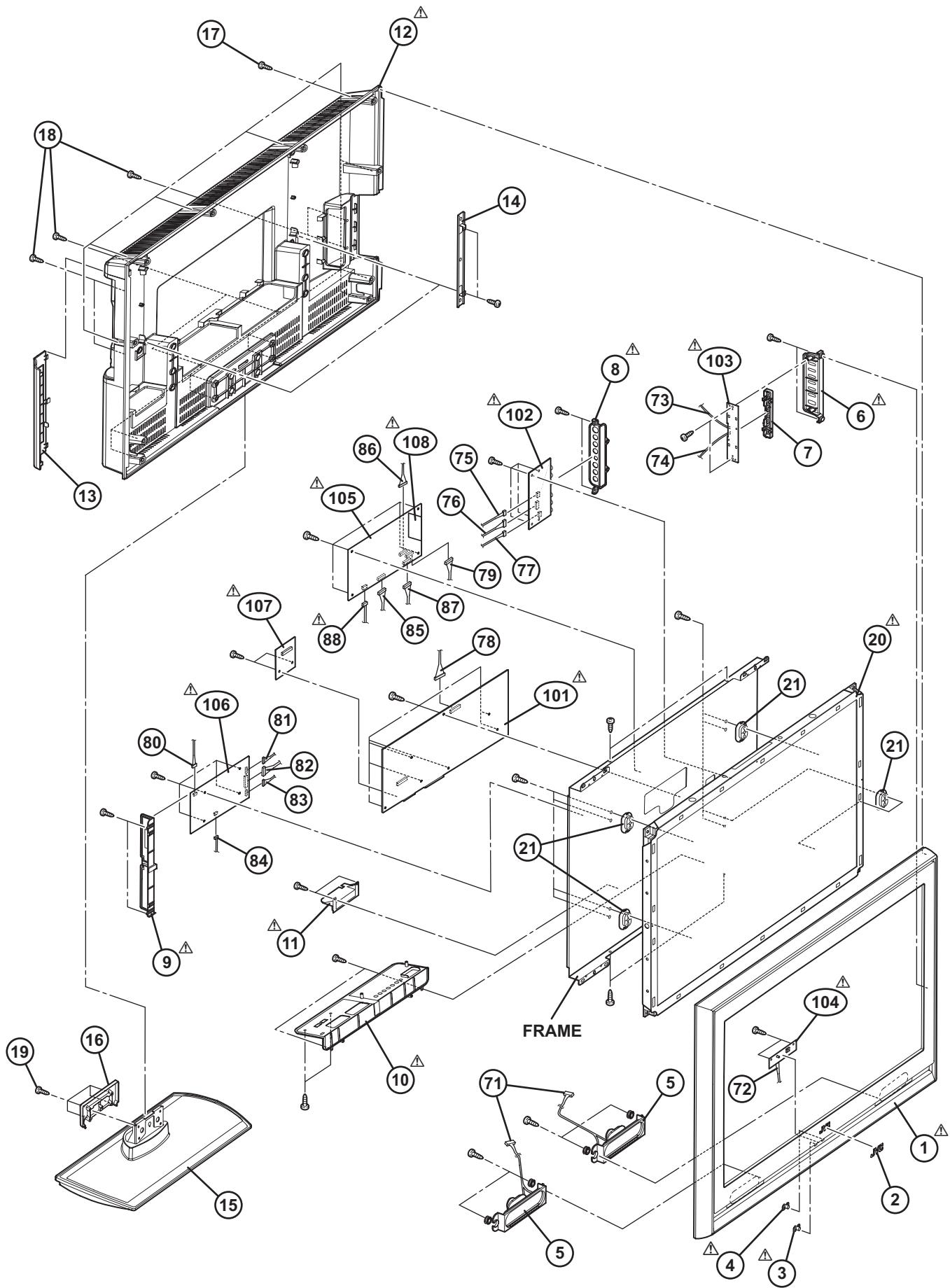
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.	
	LT-26DY8ZG	LT-26DY8ZJ
MAIN P.W.B	VE-20357300	VE-20357305
AV JACK P.W.B	VE-20335749	←
SIDE CONTROL P.W.B	VE-20339397	←
LED P.W.B	VE-20313667	←
POWER P.W.B	VE-20351341	←
REG P.W.B	VE-20329135	←
REMOTE CONTROL UNIT	VE-30058772	←

EXPLODED VIEW PARTS LIST

	Ref.No.	Part No.	Part Name	Description	Local
△	1	VE-20357293	FRONT PANEL		
	2	VE-20181315	LOGO JVC		
△	3	VE-20341718	LED LENS		
△	4	VE-20302927	IR LENS		
	5	VE-30053851	SPEAKER	8ohm 10W 42x160mm(x2)	
△	6	VE-20306766	FUNCTION BUTTON BRACKET		
	7	VE-20354871	FUNCTION BUTTON		
△	8	VE-20314547	AV JACK BRACKET		
△	9	VE-20328266	CI BRACKET		
△	10	VE-20334644	SOCKET COVER BRACKET		
△	11	VE-20357659	POWER GROMMET BRACKET		
△	12	VE-20343028	BACK COVER		
	13	VE-20316280	CI COVER		
	14	VE-35018121	HANGER WALL METAL	(x2)	
	15	VE-20357296	FOOT ASSEMBLY		
	16	VE-40036017	HINGE COVER		
	17	VE-35008088	SCREW	M4x16 For BACK COVER(x14)	
	18	VE-35008081	SCREW	M3x9.5 For BACK COVER(x6)	
	19	VE-35014231	SCREW	M4x10 For FOOT ASSEMBLY(x4)	
△	20	VE-30053103	LCD PANEL UNIT		
	21	VE-20328703	DISPLAY BRACKET	(x4)	
	71	VE-30057998	E-HARNESS ASSY	MAIN PL600&PL601 - SPEAKER LEFT&RIGHT	
	72	VE-30053797	E-HARNESS ASSY	MAIN PL409 - LED	
	73	VE-30014654	E-HARNESS ASSY	MAIN PL403 - SIDE CONTROL	
	74	VE-30059228	E-HARNESS ASSY	POWER PL813 - SIDE CONTROL	
	75	VE-30049776	E-HARNESS ASSY	MAIN PL206 - AV JACK PL102	
	76	VE-30042254	E-HARNESS ASSY	MAIN PL204 - AV JACK PL100	
	77	VE-30025806	E-HARNESS ASSY	MAIN PL205 - AV JACK PL101	
	78	VE-30053003	DIGITAL(LVDS) CABLE	MAIN PL406 - LCD PANEL UNIT	
	79	VE-30042120	E-HARNESS ASSY	POWER PL806 - INVERTER UNIT	
	80	VE-30046426	E-HARNESS ASSY	DIGITAL TUNER PL103 - AV JACK PL105	
	81	VE-30055221	E-HARNESS ASSY	MAIN PL100 - DIGITAL TUNER PL302	
	82	VE-30054625	E-HARNESS ASSY	MAIN PL207 - DIGITAL TUNER PL301	
	83	VE-30047284	E-HARNESS ASSY	POWER PL811 - DIGITAL TUNER PL501	
	84	VE-30002250	E-HARNESS ASSY	MAIN PL411 - DIGITAL TUNER PL102	
	85	VE-30054532	E-HARNESS ASSY	MAIN PL002 - POWER PL803	
	86	VE-30028117	E-HARNESS ASSY	MAIN PL003 - POWER PL807	
	87	VE-30056373	E-HARNESS ASSY	MAIN PL001 - POWER PL822	
△	88	VE-20340654	POWER CORD	AS.GROM-(180-57)(EU)	LT-26DY8ZG
△	88	VE-20340656	POWER CORD	POWER PL800 - POWER CORD	LT-26DY8ZJ
△	101	VE-20357300	MAIN PWB		LT-26DY8ZG
△	101	VE-20357305	MAIN PWB		LT-26DY8ZJ
△	102	VE-20335749	AV JACK PWB		
△	103	VE-20339397	SIDE CONTROL PWB		
△	104	VE-20313667	LED PWB		
△	105	VE-20351341	POWER PWB	Inc. REG PWB	
△	106	VE-20325967	DIGITAL TUNER PWB		LT-26DY8ZG
△	106	VE-20325968	DIGITAL TUNER PWB		LT-26DY8ZJ
△	107	VE-20331826	HDMI PWB		
△	108	VE-20329135	REG PWB		

EXPLODED VIEW



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R838	VE-30000464	RESISTOR	1/10W 100R J	C106	VE-30000312	CAPACITOR	22nF 50V K
R840	VE-30000721	RESISTOR	1/10W 4.7K J	C107	VE-30000312	CAPACITOR	22nF 50V K
R842	VE-30000735	RESISTOR	1/10W 4.7R J	C108	VE-30042562	CAPACITOR	22uF 16V M
△R843	VE-30001257	RESISTOR	1/2W 4.7M J	C109	VE-30042562	CAPACITOR	22uF 16V M
R845	VE-30000489	RESISTOR	1/10W 1R J	C116	VE-30012582	CAPACITOR	10nF 50V K
R846	VE-30000807	RESISTOR	1/10W 75K J	C117	VE-30012582	CAPACITOR	10nF 50V K
R900	VE-30000721	RESISTOR	1/10W 4.7K J	R100	VE-30000475	RESISTOR	1/10W 10K J
R901	VE-30012692	RESISTOR	1/16W 4.7K J	R101	VE-30000475	RESISTOR	1/10W 10K J
R902	VE-30000469	RESISTOR	1/10W 1K J	R102	VE-30012641	RESISTOR	1/16W 10K J
R913	VE-30039196	RESISTOR	1/4W 1M F	R103	VE-30012641	RESISTOR	1/16W 10K J
R914	VE-30039196	RESISTOR	1/4W 1M F	R104	VE-30000636	RESISTOR	1/10W 27K J
R915	VE-30039196	RESISTOR	1/4W 1M F	R105	VE-30000636	RESISTOR	1/10W 27K J
R917	VE-30012667	RESISTOR	1/16W 220K J	R106	VE-30014420	RESISTOR	1/16W 10K F
R918	VE-30012641	RESISTOR	1/16W 10K J	R107	VE-30024811	RESISTOR	1/16W 33K F
R919	VE-30012696	RESISTOR	1/16W 47K J	R108	VE-30014420	RESISTOR	1/16W 10K F
R920	VE-30012642	RESISTOR	1/16W 120K J	R109	VE-30016845	RESISTOR	1/16W 18K F
R921	VE-30012657	RESISTOR	1/16W 1K J	R112	VE-30012709	RESISTOR	1/16W 7.5K J
R938	VE-30039401	RESISTOR	1/4W 330K F	R113	VE-30012709	RESISTOR	1/16W 7.5K J
R941	VE-30012509	RESISTOR	1/16W 100K J	L100	VE-30023096	FIXED COIL	
R942	VE-30012701	RESISTOR	1/16W 560K J	L101	VE-30057938	FIXED COIL	
R944	VE-30012696	RESISTOR	1/16W 47K J				
R945	VE-30010656	RESISTOR	1/10W 59K F				
R962	VE-30012689	RESISTOR	1/16W 39K J				
R967	VE-30000721	RESISTOR	1/10W 4.7K J				
R968	VE-30039401	RESISTOR	1/4W 330K F				
R969	VE-30039401	RESISTOR	1/4W 330K F				
R970	VE-30039401	RESISTOR	1/4W 330K F				
R972	VE-30039401	RESISTOR	1/4W 330K F				
R976	VE-30000464	RESISTOR	1/10W 100R J				
R977	VE-30039401	RESISTOR	1/4W 330K F				
R978	VE-30039401	RESISTOR	1/4W 330K F				
R979	VE-30039401	RESISTOR	1/4W 330K F				
R980	VE-30039401	RESISTOR	1/4W 330K F				
R982	VE-30000529	RESISTOR	1/10W 1.5K J				
R983	VE-30000723	RESISTOR	1/4W 47K J				
R986	VE-30000457	RESISTOR	1/10W 10R J				
R987	VE-30000457	RESISTOR	1/10W 10R J				
R988	VE-30000457	RESISTOR	1/10W 10R J				
R989	VE-30012641	RESISTOR	1/16W 10K J				
R990	VE-30012641	RESISTOR	1/16W 10K J				
R991	VE-30012641	RESISTOR	1/16W 10K J				
△R992	VE-30028331	FUSE	7A 32VDC				
R993	VE-30039401	RESISTOR	1/4W 330K F				
R994	VE-30039401	RESISTOR	1/4W 330K F				
R995	VE-30039401	RESISTOR	1/4W 330K F				
R996	VE-30039401	RESISTOR	1/4W 330K F				
R997	VE-30039401	RESISTOR	1/4W 330K F				
R998	VE-30039401	RESISTOR	1/4W 330K F				
R999	VE-30000735	RESISTOR	1/10W 4.7R J				
R1000	VE-30000664	RESISTOR	1/10W 3.3K J				
R1001	VE-30000751	RESISTOR	1/10W 5.6K J				
△TR800	VE-30018866	LINE FILTER					
△TR801	VE-30018866	LINE FILTER					
△TR802	VE-30053742	TRF					
L802	VE-30001994	FIXED COIL					
L803	VE-30018122	FIXED COIL					
L804	VE-30018122	FIXED COIL	1uH				
△L805	VE-30052104	TRF					
L806	VE-30002016	FIXED COIL					
L818	VE-30002027	FIXED COIL					
L819	VE-30019087	FERRITE					
L820	VE-30019087	FERRITE					
△F800	VE-30031038	FUSE	2.5A 250V				
PL807	VE-30000345	E CAPACITOR	10uF 50V M				
S830	VE-30002027	FIXED COIL					

REG P.W. BOARD ASS'Y (VE-20329135)

△Ref No.	Part No.	Part Name	Description Local
IC100	VE-30018574	DIODE	
IC101	VE-30018574	DIODE	
IC102	VE-30042561	IC	
IC103	VE-30042561	IC	
Q100	VE-30001457	TRANSISTOR	
Q101	VE-30001457	TRANSISTOR	
D100	VE-30038495	DIODE	
D101	VE-30038495	DIODE	
C100	VE-30020694	CAPACITOR	1uF 16V Z
C101	VE-30020694	CAPACITOR	1uF 16V Z
C102	VE-30000294	CAPACITOR	100nF 50V K
C103	VE-30000294	CAPACITOR	100nF 50V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R908	VE-30012510	RESISTOR	1/16W 100R J	L605	VE-30057938	FIXED COIL	
R909	VE-30012510	RESISTOR	1/16W 100R J	L608	VE-30057938	FIXED COIL	
R910	VE-30012713	RESISTOR	1/16W 75R J	L900	VE-30012982	RESISTOR	1/16W 10R J
R914	VE-30012657	RESISTOR	1/16W 1K J	L901	VE-30020936	FIXED COIL	
R915	VE-30012713	RESISTOR	1/16W 75R J	L903	VE-30020936	FIXED COIL	
R916	VE-30012657	RESISTOR	1/16W 1K J	L905	VE-30020936	FIXED COIL	
R917	VE-30012713	RESISTOR	1/16W 75R J	L906	VE-30020936	FIXED COIL	
R918	VE-30021989	RESISTOR	1/16W 100K J	L907	VE-30020393	FERRITE	
R919	VE-30012509	RESISTOR	1/16W 100K J	L908	VE-30020393	FERRITE	
R920	VE-30021989	RESISTOR	1/16W 100K J	L909	VE-30020393	FERRITE	
R921	VE-30012509	RESISTOR	1/16W 100K J				
R922	VE-30021989	RESISTOR	1/16W 100K J	JK200	VE-30032233	JACK	EXT-3 Y IN
R923	VE-30012509	RESISTOR	1/16W 100K J	JK201	VE-30032234	JACK	EXT-3 Pb IN
R924	VE-30012509	RESISTOR	1/16W 100K J	JK202	VE-30032638	JACK	EXT-3 Pr IN
R925	VE-30012509	RESISTOR	1/16W 100K J	JK204	VE-30032641	JACK	EXT-6 AUDIO IN
R926	VE-30021989	RESISTOR	1/16W 100K J	JK205	VE-30032638	JACK	EXT-3 AUDIO IN(R)
R927	VE-30021991	RESISTOR	1/16W 100R J	JK206	VE-30032636	JACK	EXT-3 AUDIO IN(L)
R928	VE-30021991	RESISTOR	1/16W 100R J	PL203	VE-30018089	SCART SOCKET	EXT-1
R929	VE-30012657	RESISTOR	1/16W 1K J	PL208	VE-30018089	SCART SOCKET	EXT-2
R930	VE-30012509	RESISTOR	1/16W 100K J	S446	VE-30022142	RESISTOR	1/16W 2.7K F
R931	VE-30012657	RESISTOR	1/16W 1K J	S465	VE-30020529	FERRITE	
R932	VE-30012657	RESISTOR	1/16W 1K J	S468	VE-30012657	RESISTOR	1/16W 1K J
R933	VE-30012509	RESISTOR	1/16W 100K J	S608	VE-30012641	RESISTOR	1/16W 10K J
R934	VE-30012657	RESISTOR	1/16W 1K J	TU100	VE-30053331	TUNER	
R935	VE-30012509	RESISTOR	1/16W 100K J	X400	VE-30008778	CLYSTAL	20.250MHz
R936	VE-30021989	RESISTOR	1/16W 100K J	Z100	VE-30015953	SAW FILTER	
R937	VE-30021989	RESISTOR	1/16W 100K J				
R938	VE-30021996	RESISTOR	1/16W 10K J				
R939	VE-30012657	RESISTOR	1/16W 1K J				
L006	VE-30002170	FERRITE CORE	1A				
L010	VE-30023096	FIXED COIL					
L070	VE-30057938	FIXED COIL					
L080	VE-30032610	FIXED COIL	10uH				
L081	VE-30002171	FIXED COIL					
L101	VE-30001971	FERRITE					
△L102	VE-30001245	FUSE RESISTOR	1/4W 0.47R J				
L103	VE-30002002	FIXED COIL	47uH K				
L104	VE-30002002	FIXED COIL	47uH K				
L105	VE-30020936	FIXED COIL					
L106	VE-30020393	FERRITE					
L107	VE-30020393	FERRITE					
L108	VE-30020936	FIXED COIL					
L109	VE-30020393	FERRITE					
L110	VE-30020393	FERRITE					
L111	VE-30020393	FERRITE					
L112	VE-30020936	FIXED COIL					
L113	VE-30020393	FERRITE					
L114	VE-30020394	FERRITE					
L203	VE-30020393	FERRITE					
L204	VE-30020393	FERRITE					
L205	VE-30020393	FERRITE					
L207	VE-30020393	FERRITE					
L209	VE-30020393	FERRITE					
L213	VE-30020393	FERRITE					
L214	VE-30020393	FERRITE					
L215	VE-30020393	FERRITE					
L216	VE-30020393	FERRITE					
L217	VE-30020393	FERRITE					
L218	VE-30020393	FERRITE					
L219	VE-30020393	FERRITE					
L221	VE-30020393	FERRITE					
L222	VE-30020393	FERRITE					
L223	VE-30020393	FERRITE					
L224	VE-30020393	FERRITE					
L225	VE-30020393	FERRITE					
L226	VE-30020393	FERRITE					
L227	VE-30020393	FERRITE					
L228	VE-30020393	FERRITE					
L229	VE-30020393	FERRITE					
L230	VE-30020393	FERRITE					
L231	VE-30020393	FERRITE					
L400	VE-30020393	FERRITE					
L401	VE-30020393	FERRITE					
L402	VE-30020393	FERRITE					
L403	VE-30020393	FERRITE					
L404	VE-30020393	FERRITE					
L405	VE-30020393	FERRITE					
L406	VE-30024779	FERRITE					
L407	VE-30020393	FERRITE					
L408	VE-30020393	FERRITE					
L409	VE-30020393	FERRITE					
L410	VE-30020393	FERRITE					
L411	VE-30020393	FERRITE					
L412	VE-30020393	FERRITE					
L413	VE-30020393	FERRITE					
L414	VE-30020393	FERRITE					
L415	VE-30020393	FERRITE					
L600	VE-30024779	FERRITE					
L603	VE-30001313	DIODE					

AV JACK P.W. BOARD ASS'Y (VE-20335749)

REFER TO PARTS LIST IN PAGE 3-9 FOR THIS P.W. BOARD.

SIDE CONTROL P.W. BOARD ASS'Y (VE-20339397)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

LED P.W. BOARD ASS'Y (VE-20313667)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

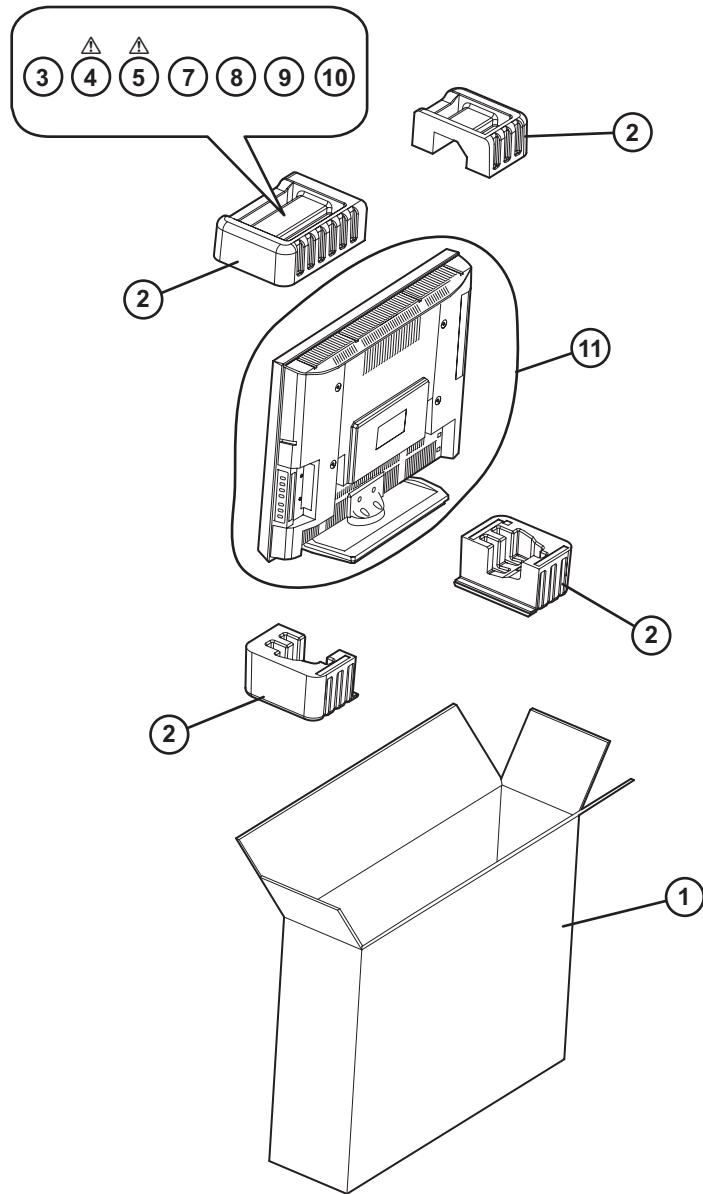
POWER P.W. BOARD ASS'Y (VE-20351341)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

REG P.W. BOARD ASS'Y (VE-20329135)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

PACKING



PACKING PARTS LIST

▲ Ref.No.	Part No.	Part Name	Description	Local
1	VE-50112517	CARTON BOX		LT-26DY8ZG
1	VE-50112534	CARTON BOX		LT-26DY8ZJ
2	VE-20323858	CUSHION ASSEMBLY	4pcs in 1set	
3	VE-30058772	REMOTE CONTROL UNIT	RM-C1899S	
▲ 4	VE-50112512	INST BOOK	English/French/Spanish	LT-26DY8ZG
▲ 4	VE-50112533	INST BOOK	English	LT-26DY8ZJ
▲ 5	VE-50112513	INST BOOK	German/Italian/Greek/Turkish	LT-26DY8ZG
7	VE-50103412	INSTRUCTION PAPER		
8	VE-50115985	INSTRUCTION PAPER	DIGITAL UK RETUNE GUIDE	LT-26DY8ZJ
9	-----	WARRANTY CARD	VE-50112514	LT-26DY8ZG
9	-----	WARRANTY CARD	VE-50112532	LT-26DY8ZJ
10	-----	BATTERY	AA/R6 type(x2)	
11	VE-50038565	POLY BAG	1100x750mm	

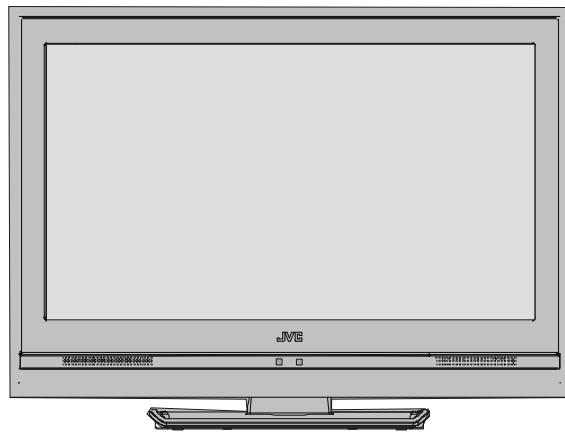
JVC

SCHEMATIC DIAGRAMS

WIDE LCD PANEL TELEVISION

**LT-26DY8ZG,
LT-26DY8ZJ**

CD-ROM No.SML200712



DVB
Digital Video
Broadcasting

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

LT-26DY8ZG, LT-26DY8ZJ

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufacturers recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20kΩ/V
- (4)Oscilloscope sweeping time : H ⇒ 20μs / div
: V ⇒ 5ms / div
: Others ⇒ Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209→ R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [kΩ]
- M : [MΩ]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

●Type

- | | |
|---------------|--------------------------------------|
| No indication | : Ceramic capacitor |
| MM | : Metallized mylar capacitor |
| PP | : Polypropylene capacitor |
| MPP | : Metallized polypropylene capacitor |
| MF | : Metalized film capacitor |
| TF | : Thin film capacitor |
| BP | : Bipolar electrolytic capacitor |
| TAN | : Tantalum capacitor |

(3)Coils

- | | |
|---------|----------------|
| No unit | : [μ H] |
| Others | : As specified |

(4)Power Supply

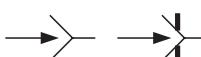
- | | | | |
|--|------|---|------------|
|  | : B1 |  | : B2 (12V) |
|  | : 9V |  | : 5V |

* Respective voltage values are indicated

(5)Test point

- | | | | |
|---|--------------|---|---------------------------|
|  | : Test point |  | : Only test point display |
|---|--------------|---|---------------------------|

(6)Connecting method

- | | | | |
|--|--------------|---|-------------------------|
|  | : Connector |  | : Wrapping or soldering |
|  | : Receptacle | | |

(7)Ground symbol

- | | |
|---|---------------------------------|
|  | : LIVE side ground |
|  | : ISOLATED(NEUTRAL) side ground |
|  | : EARTH ground |
|  | : DIGITAL ground |

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

- ◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.
When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

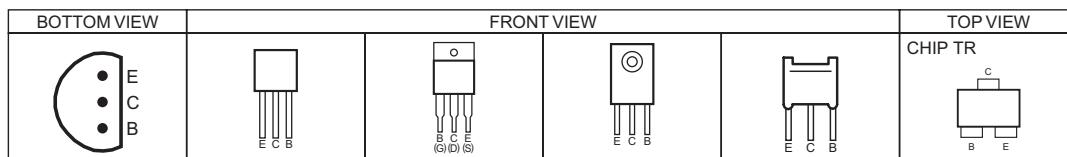
SEMICONDUCTOR SHAPES	2-2
WIRING DIAGRAM	2-3
BLOCK DIAGRAM	2-5
CIRCUIT DIAGRAMS	2-7
MAIN PWB CIRCUIT DIAGRAM	2-7
AV JACK PWB CIRCUIT DIAGRAM	2-23
POWER PWB CIRCUIT DIAGRAM	2-25
SIDE CONTROL PWB CIRCUIT DIAGRAM	2-27
LED PWB CIRCUIT DIAGRAM	2-27
REG PWB CIRCUIT DIAGRAM	2-28
PATTERN DIAGRAMS	2-29
MAIN PWB PATTERN	2-29
POWER PWB PATTERN	2-33
AV JACK PWB PATTERN	2-37
SIDE CONTROL PWB PATTERN	2-37
LED PWB PATTERN	2-38
REG PWB PATTERN	2-38

USING P.W. BOARD

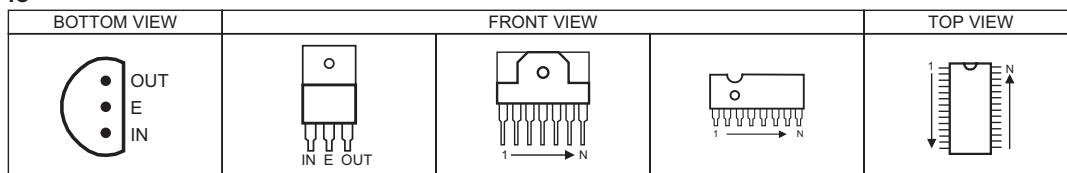
P.W.B ASS' Y name	LT-26DY8ZG	LT-26DY8ZJ
MAIN P.W. BOARD	VE-20357300	VE-20357305
AV JACK P.W. BOARD	VE-20335749	←
SIDE CONTROL P.W. BOARD	VE-20339397	←
LED P.W. BOARD	VE-20313667	←
POWER P.W. BOARD	VE-20351341	←
REG P.W. BOARD	VE-20329135	←

SEMICONDUCTOR SHAPES

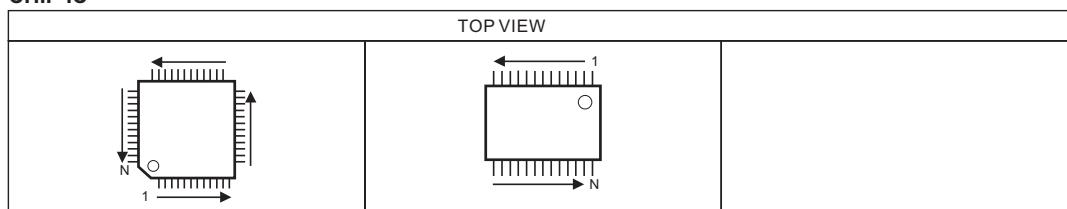
TRANSISTOR



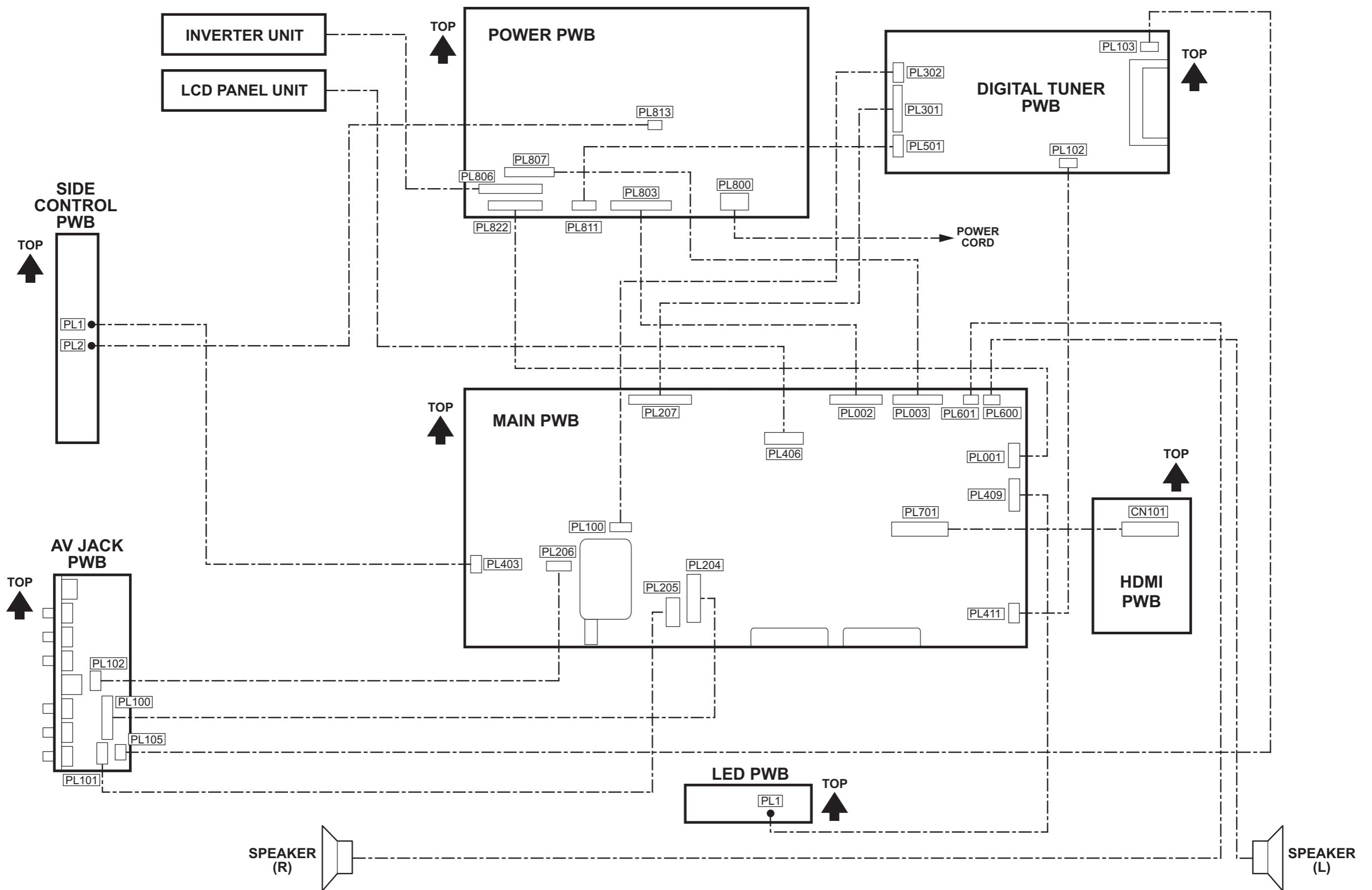
IC



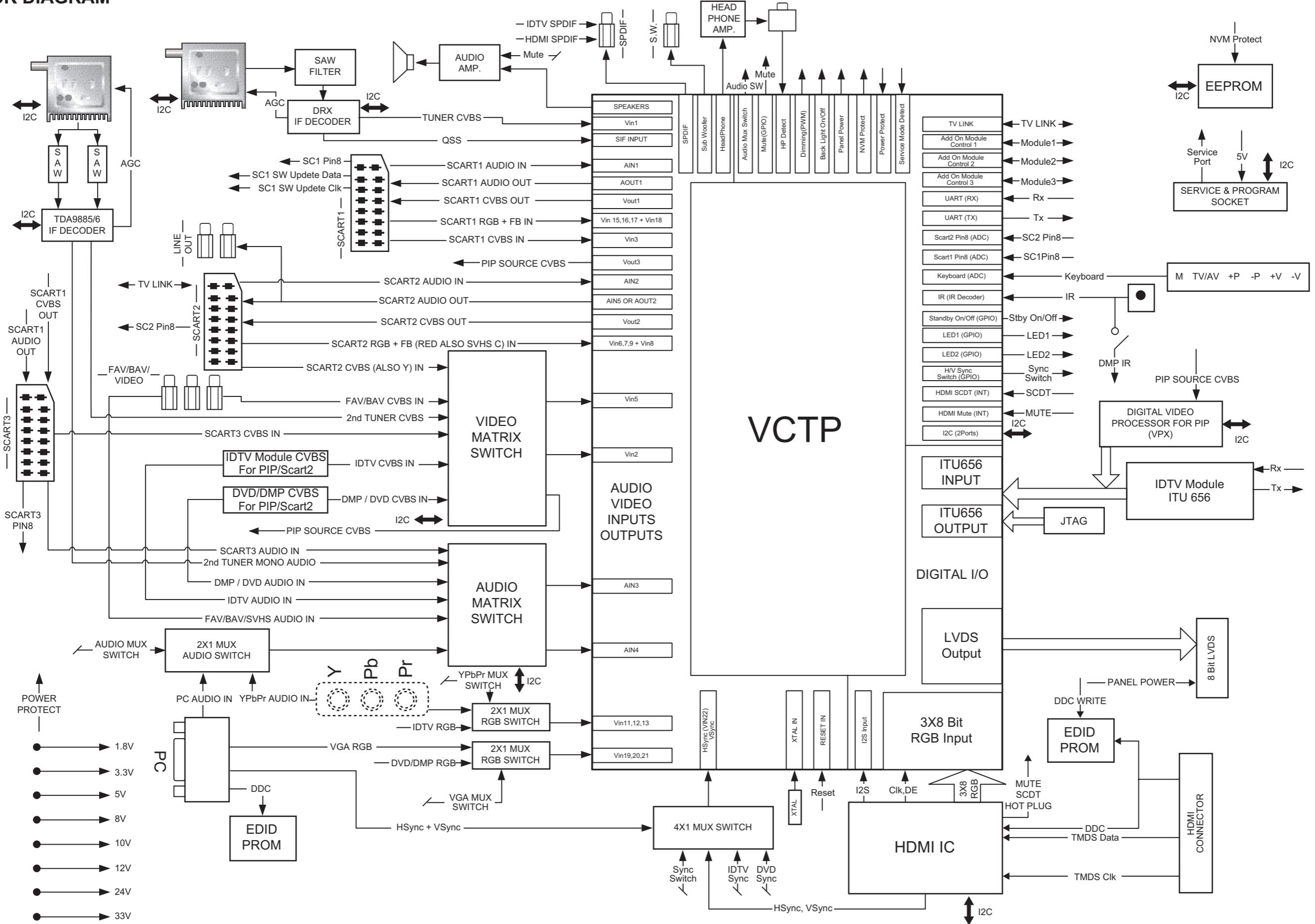
CHIP IC



WIRING DIAGRAM

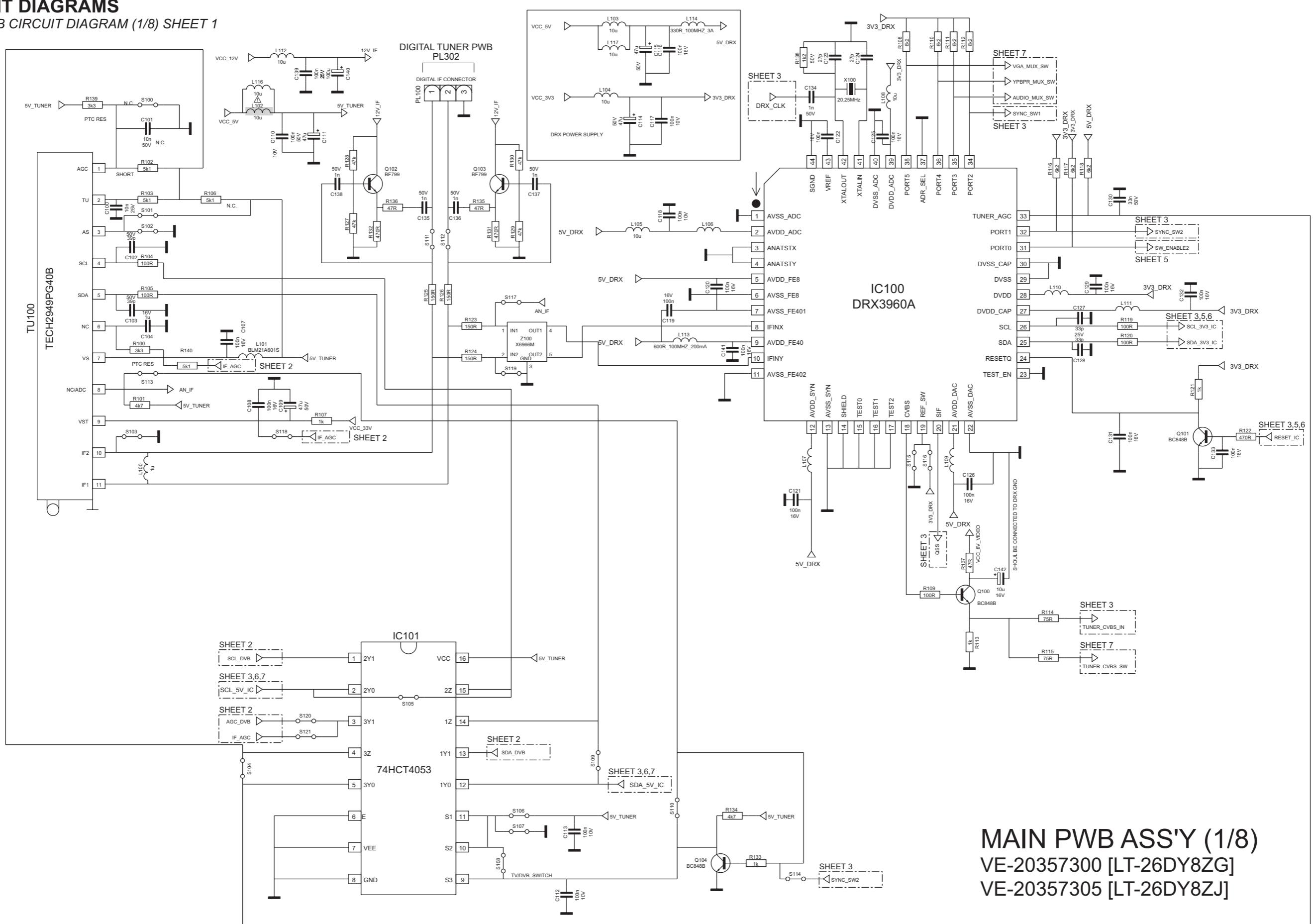


BLOCK DIAGRAM

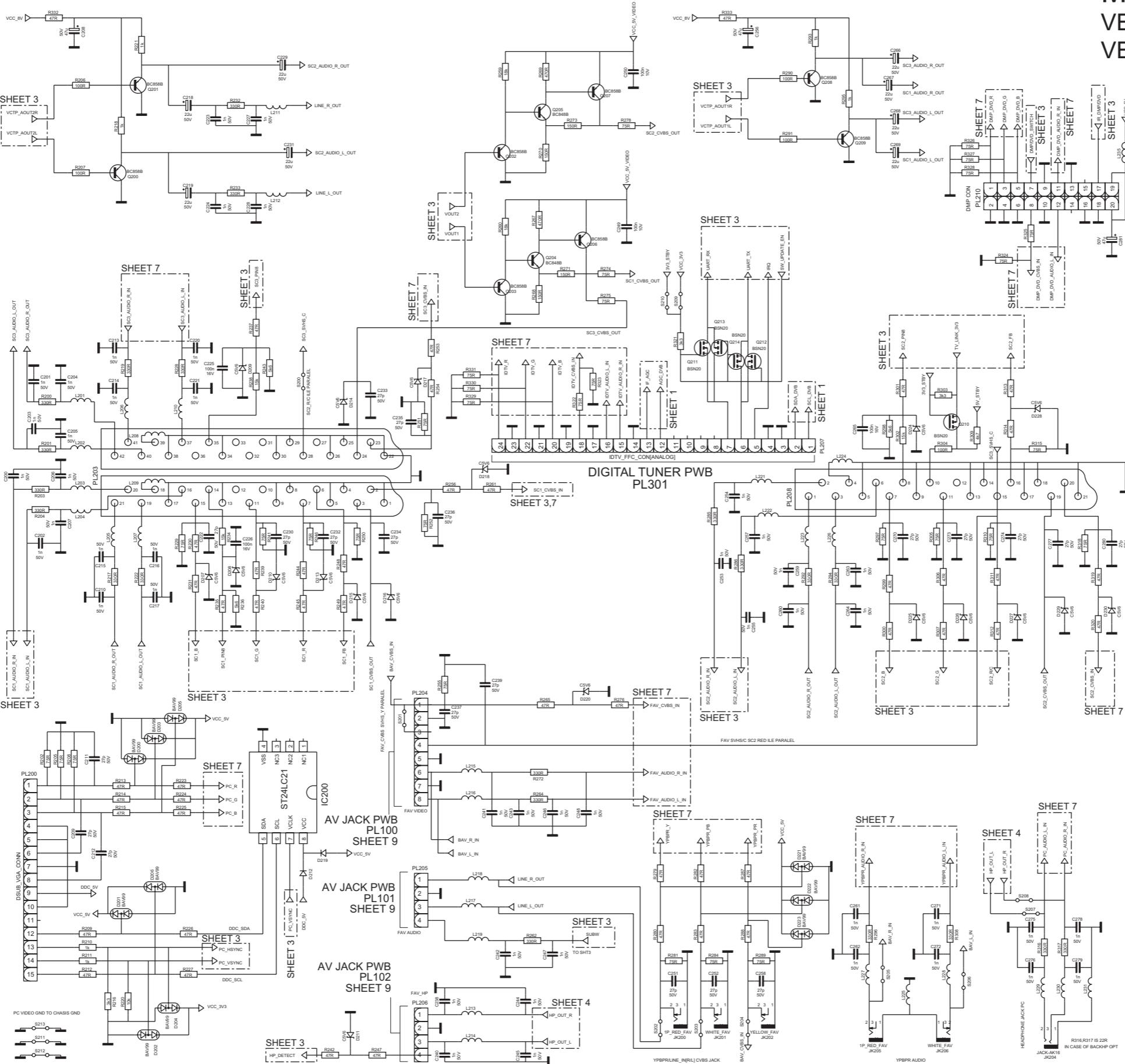


CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/8) SHEET 1



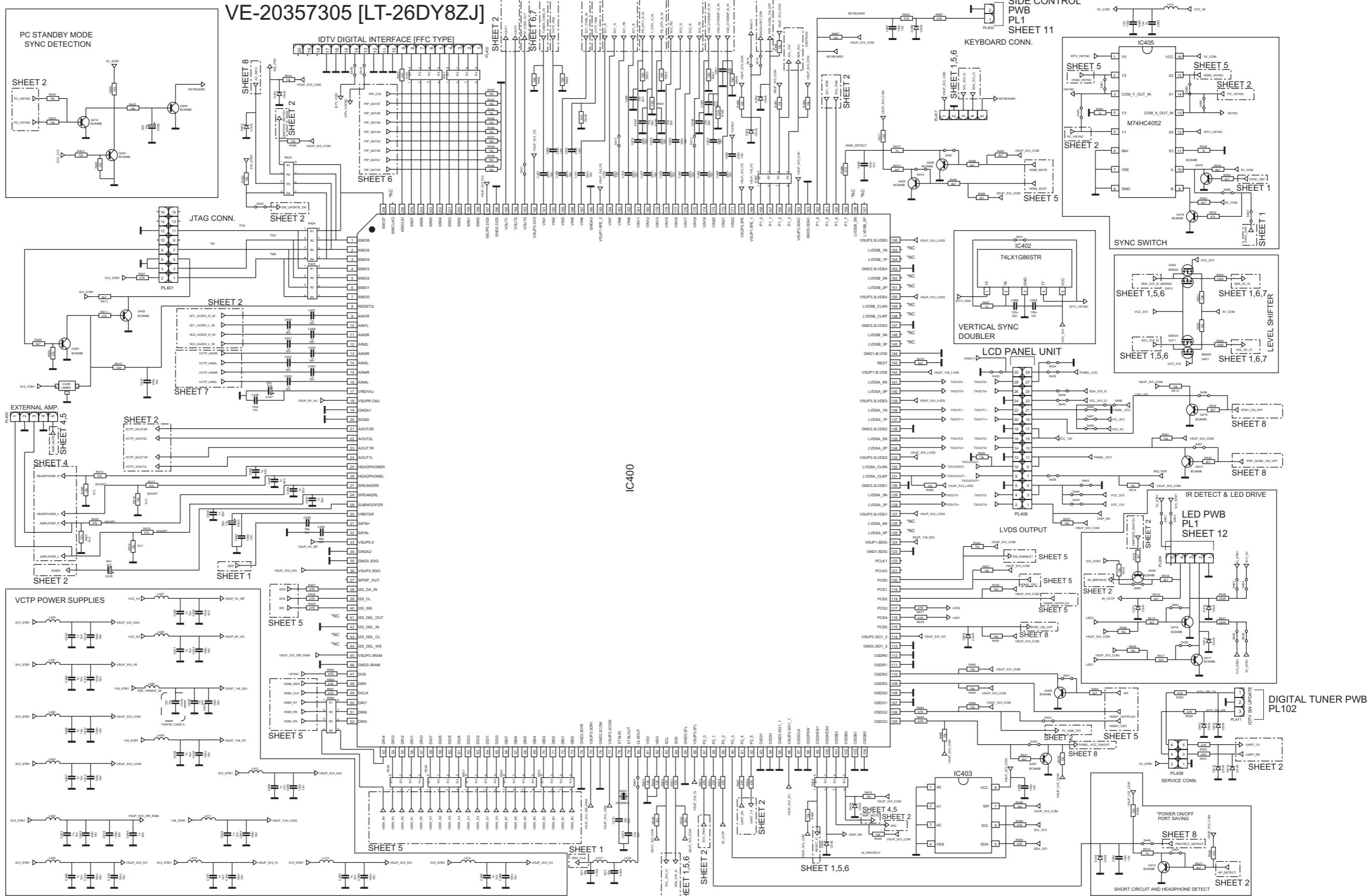
MAIN PWB ASS'Y (1/8)
VE-20357300 [LT-26DY8ZG]
VE-20357305 [LT-26DY8ZJ]



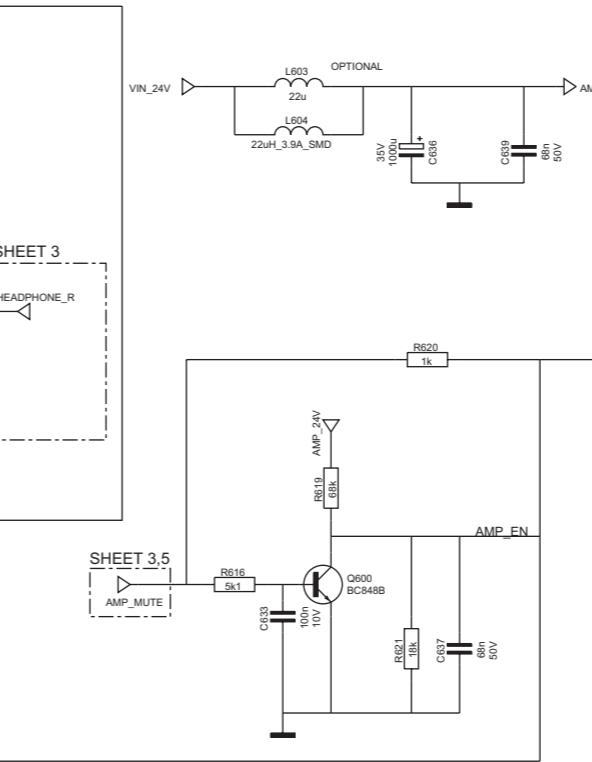
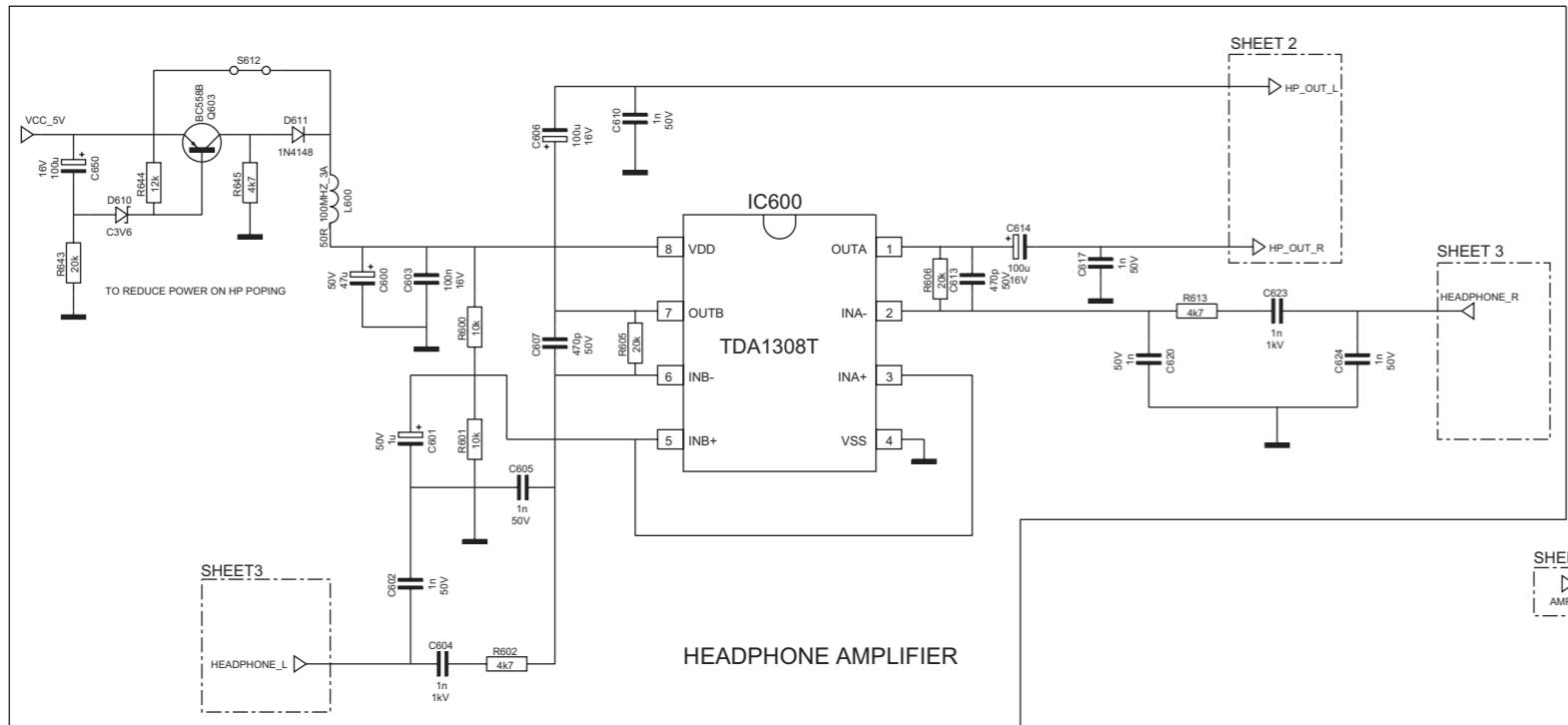
MAIN PWB ASS'Y (2/8)
VE-20357300 [LT-26DY8ZG]
VE-20357305 [LT-26DY8ZJ]

MAIN PWB ASS'Y (3/8)

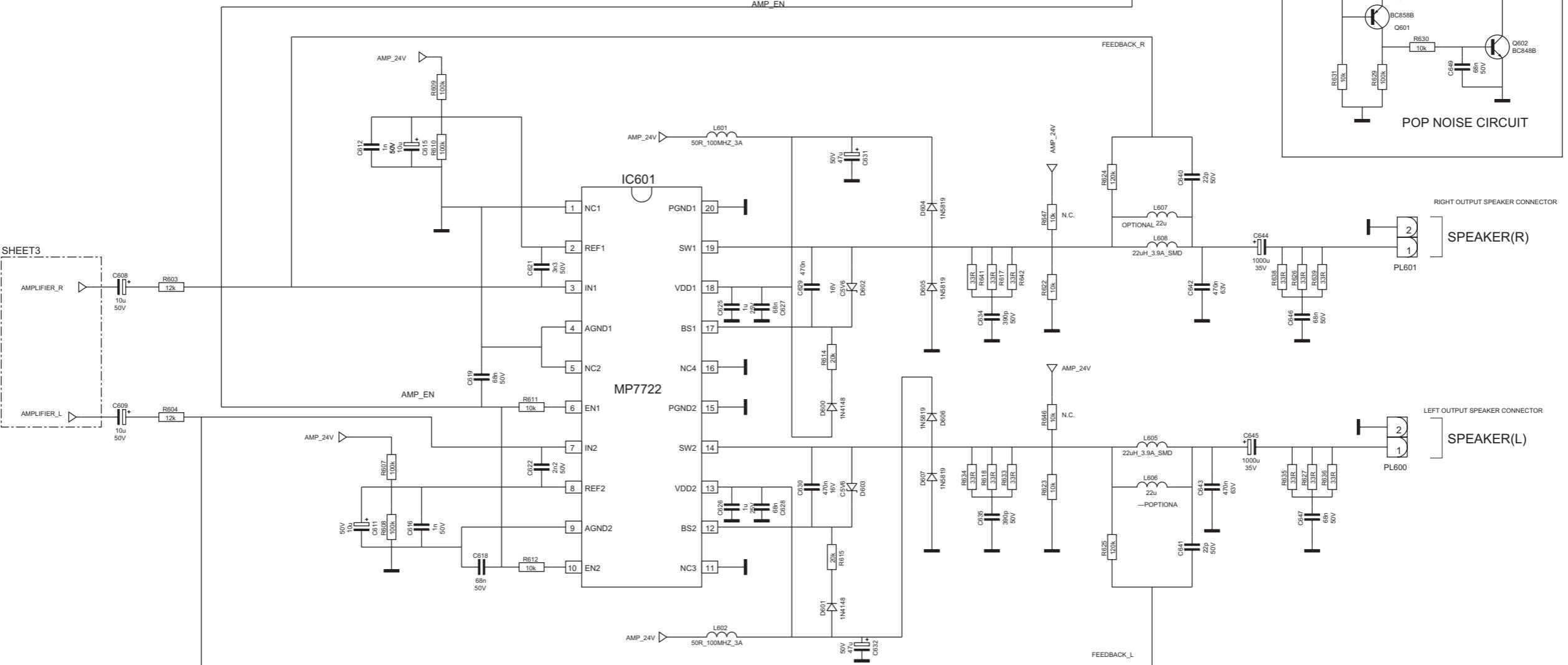
VE-20357300 [LT-26DY8ZG]
VE-20357305 [LT-26DY8ZJ]



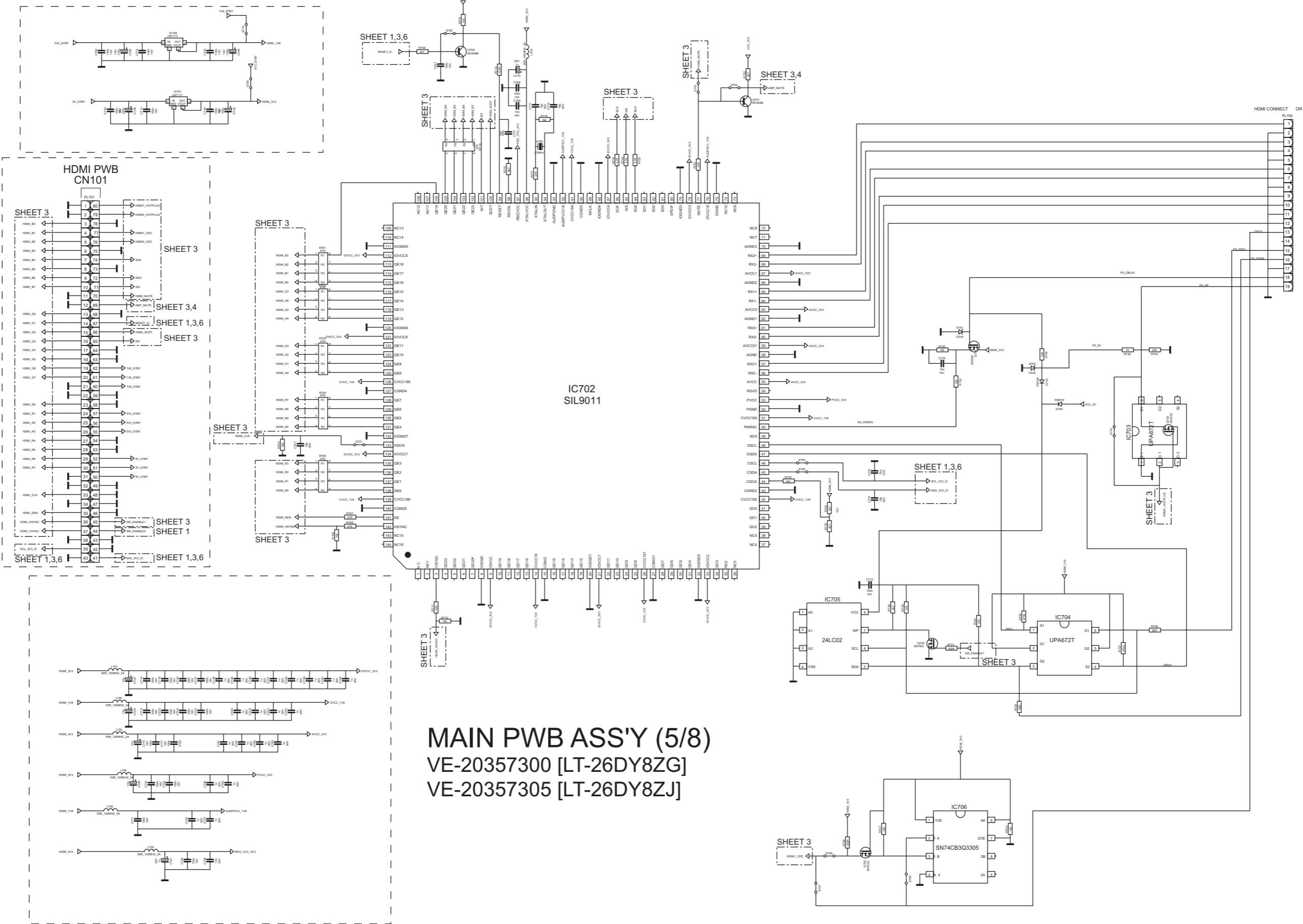
NOTE : Refer to the part list for the part number of IC403.



MAIN PWB ASS'Y (4/8)
VE-20357300 [LT-26DY8ZG]
VE-20357305 [LT-26DY8ZJ]



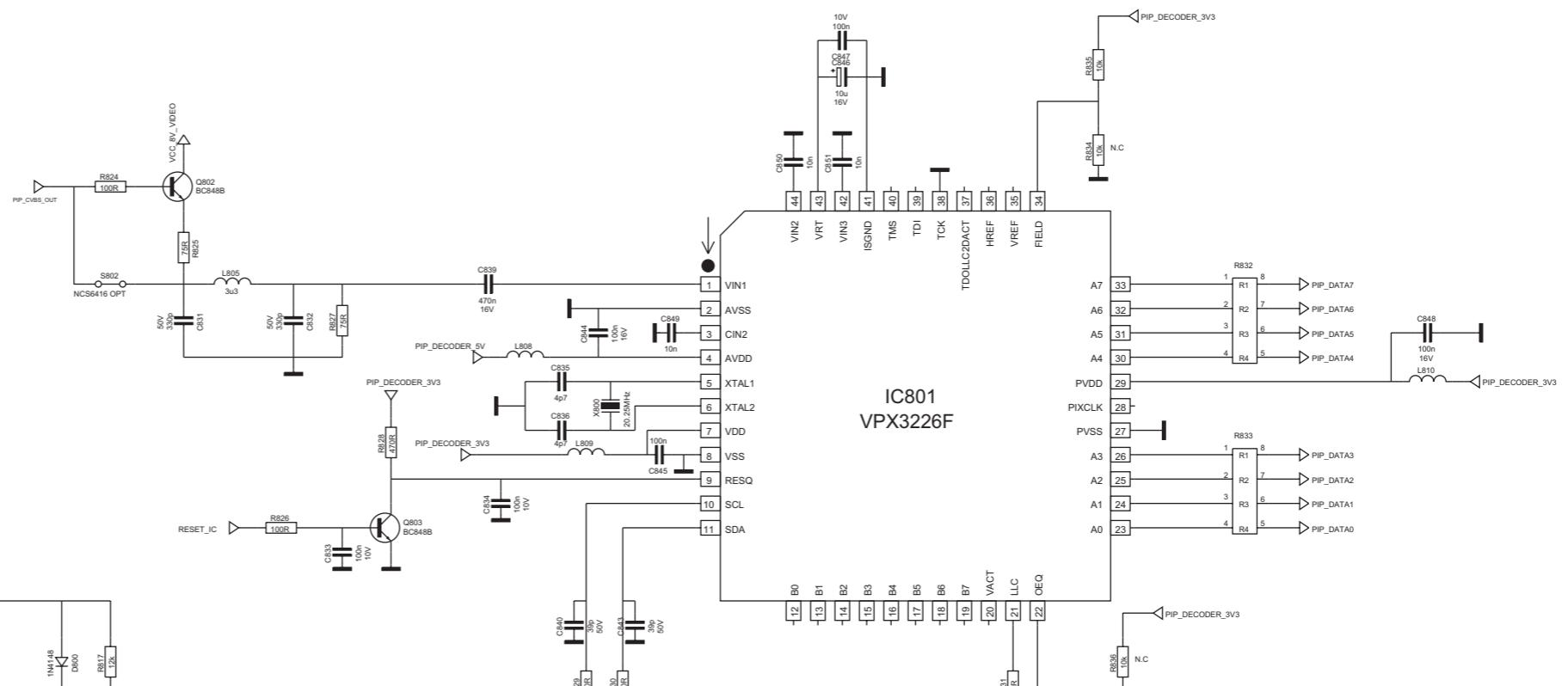
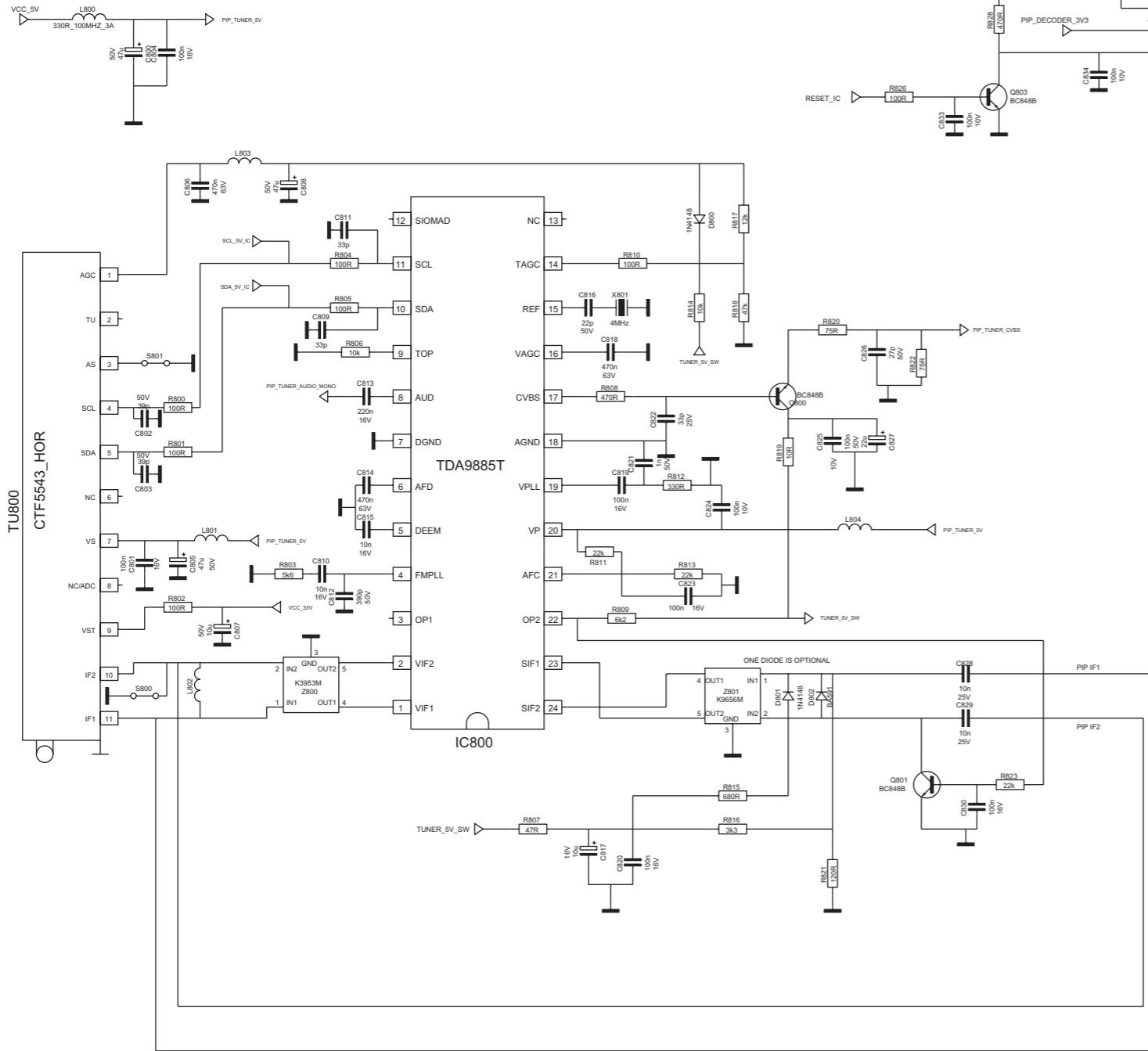
MAIN PWB CIRCUIT DIAGRAM (5/8) SHEET 5



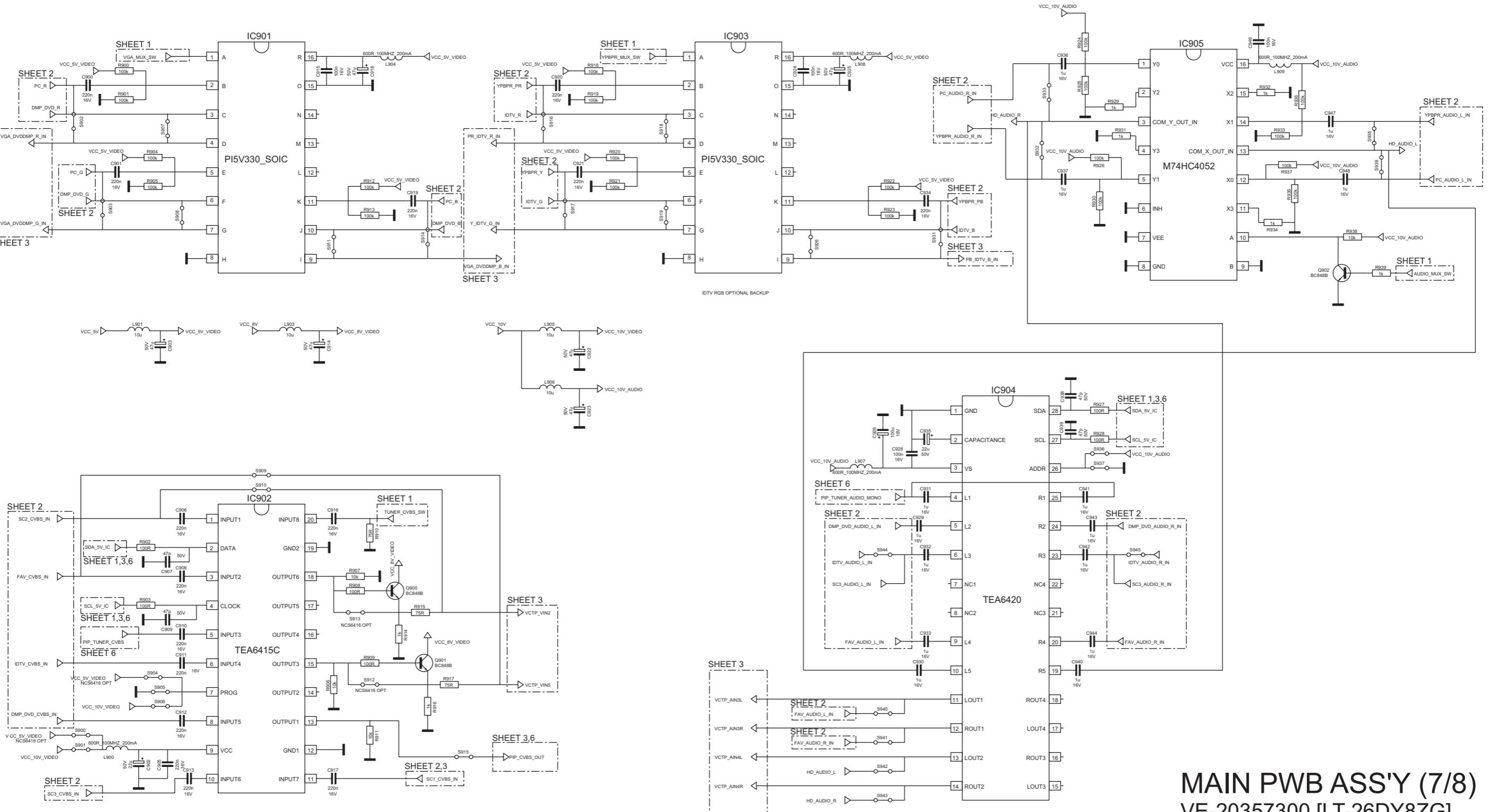
MAIN PWB ASS'Y (5/8)
VE-20357300 [LT-26DY8ZG]
VE-20357305 [LT-26DY8ZJ]

MAIN PWB ASS'Y (6/8)

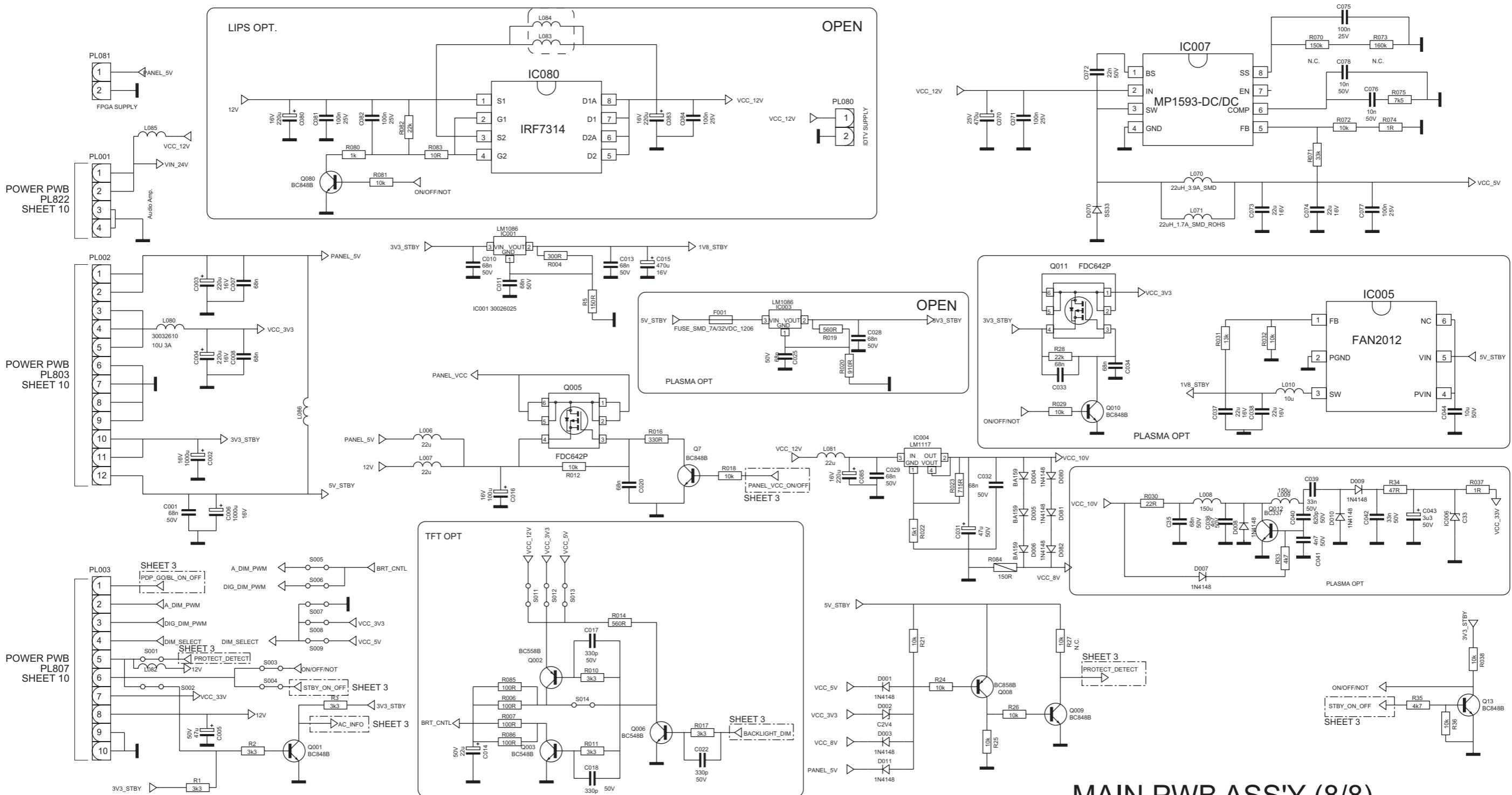
VE-20357300 [LT-26DY8ZG]
VE-20357305 [LT-26DY8ZJ]

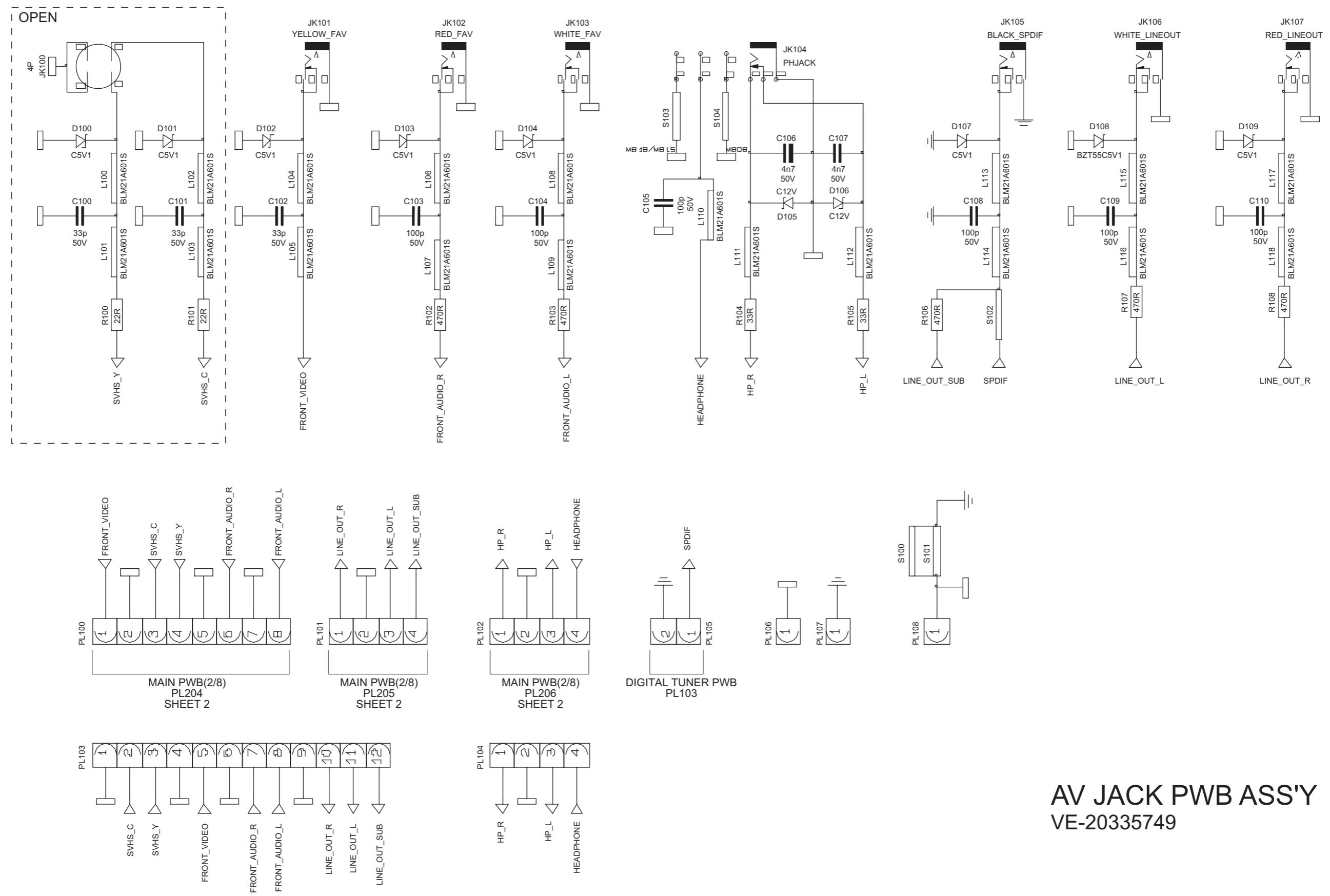


This CIRCUIT BLOCK is not use.

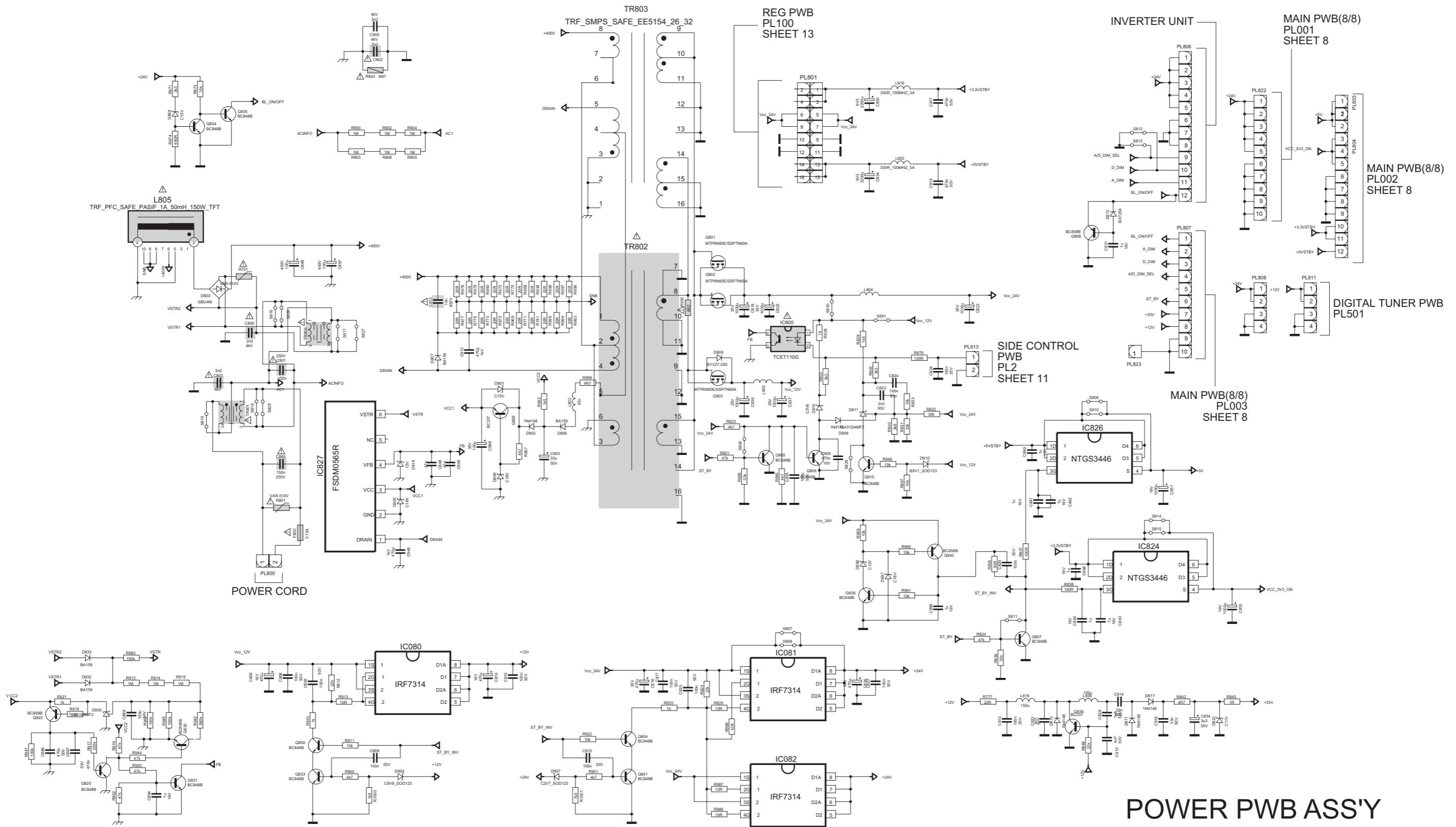


MAIN PWB ASS'Y (7/8)
VE-20357300 [LT-26DY8ZG]
VE-20357305 [LT-26DY8ZJ]

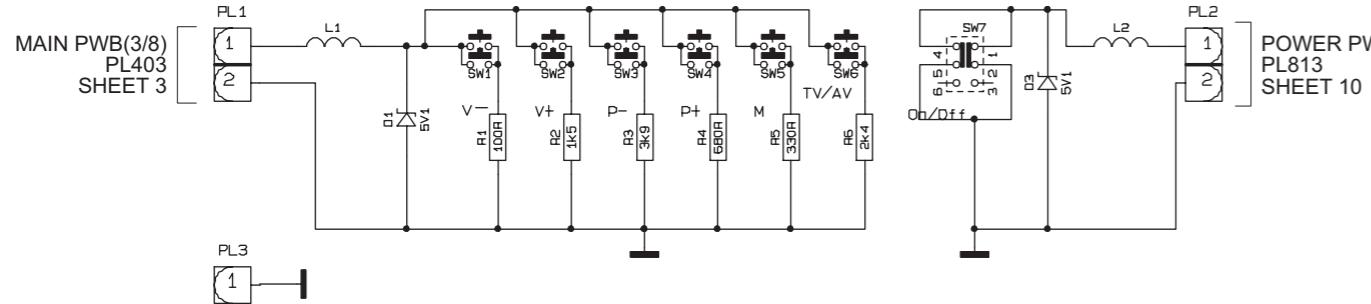




AV JACK PWB ASS'Y
VE-20335749



POWER PWB ASS'Y
VE-20351341

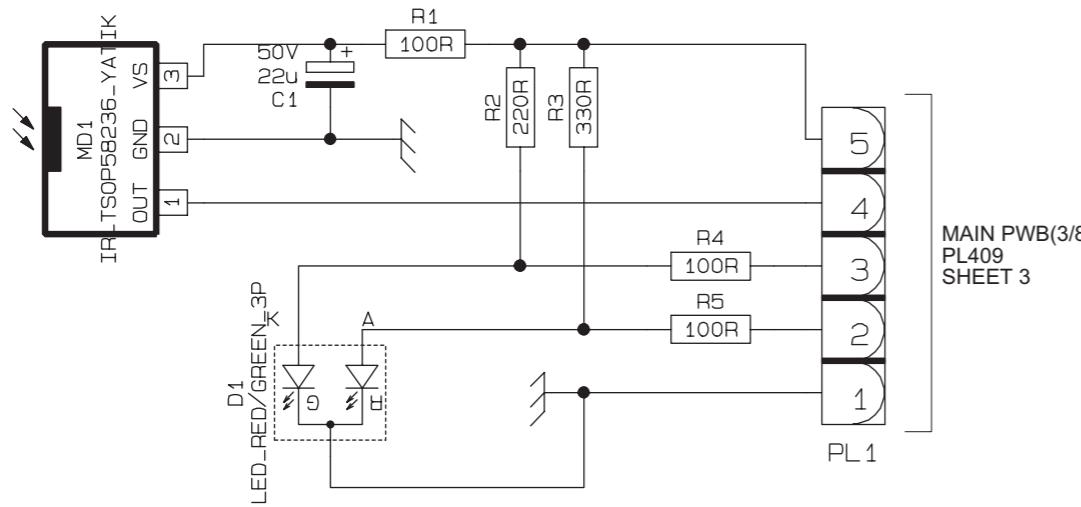


SIDE CONTROL PWB ASS'Y

VE-20339397

17tk105s_0905_1/1_0.0

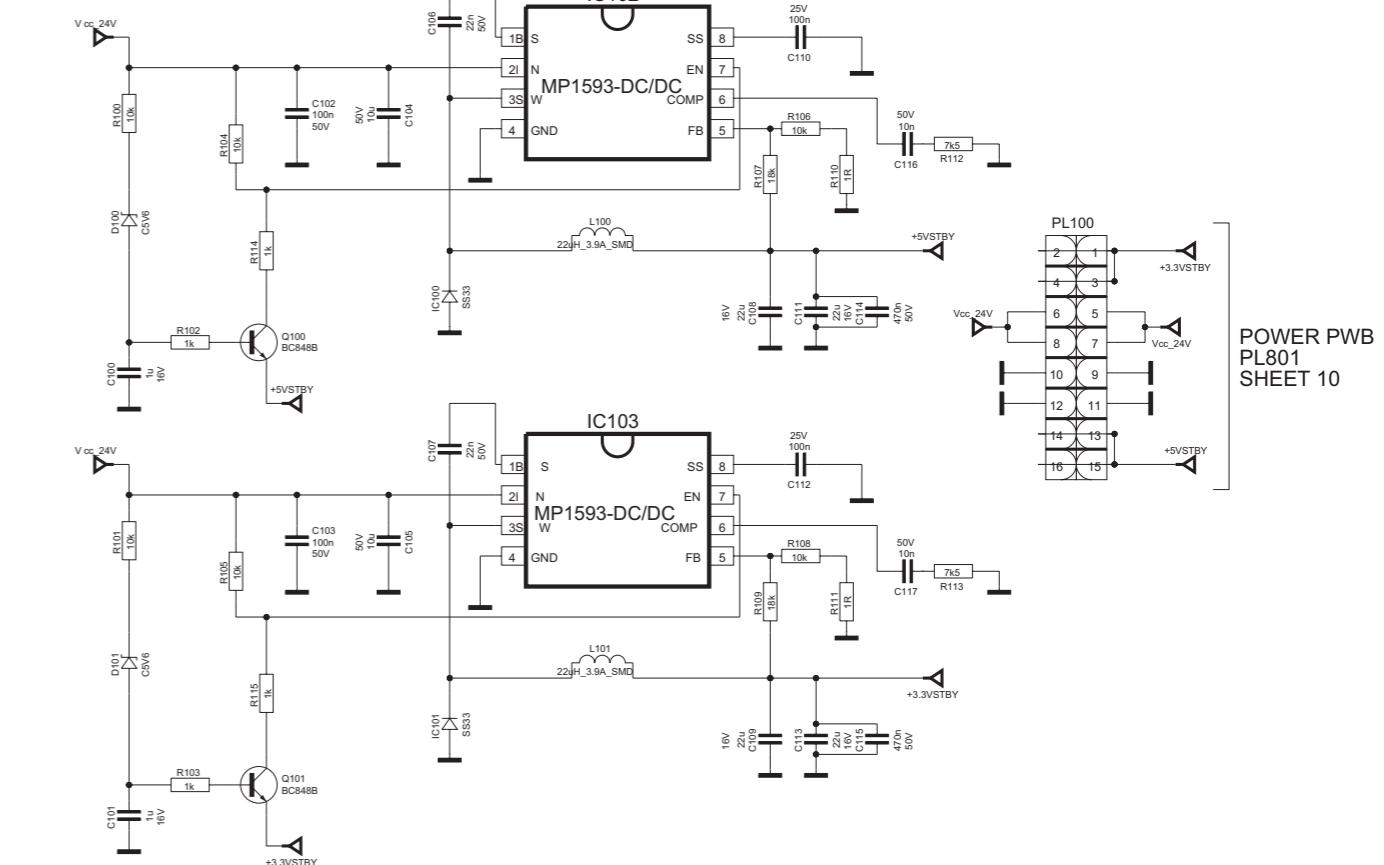
LED PWB CIRCUIT DIAGRAM SHEET 12



LED PWB ASS'Y

VE-20313667

17tk105s_0905_1/1_0.0



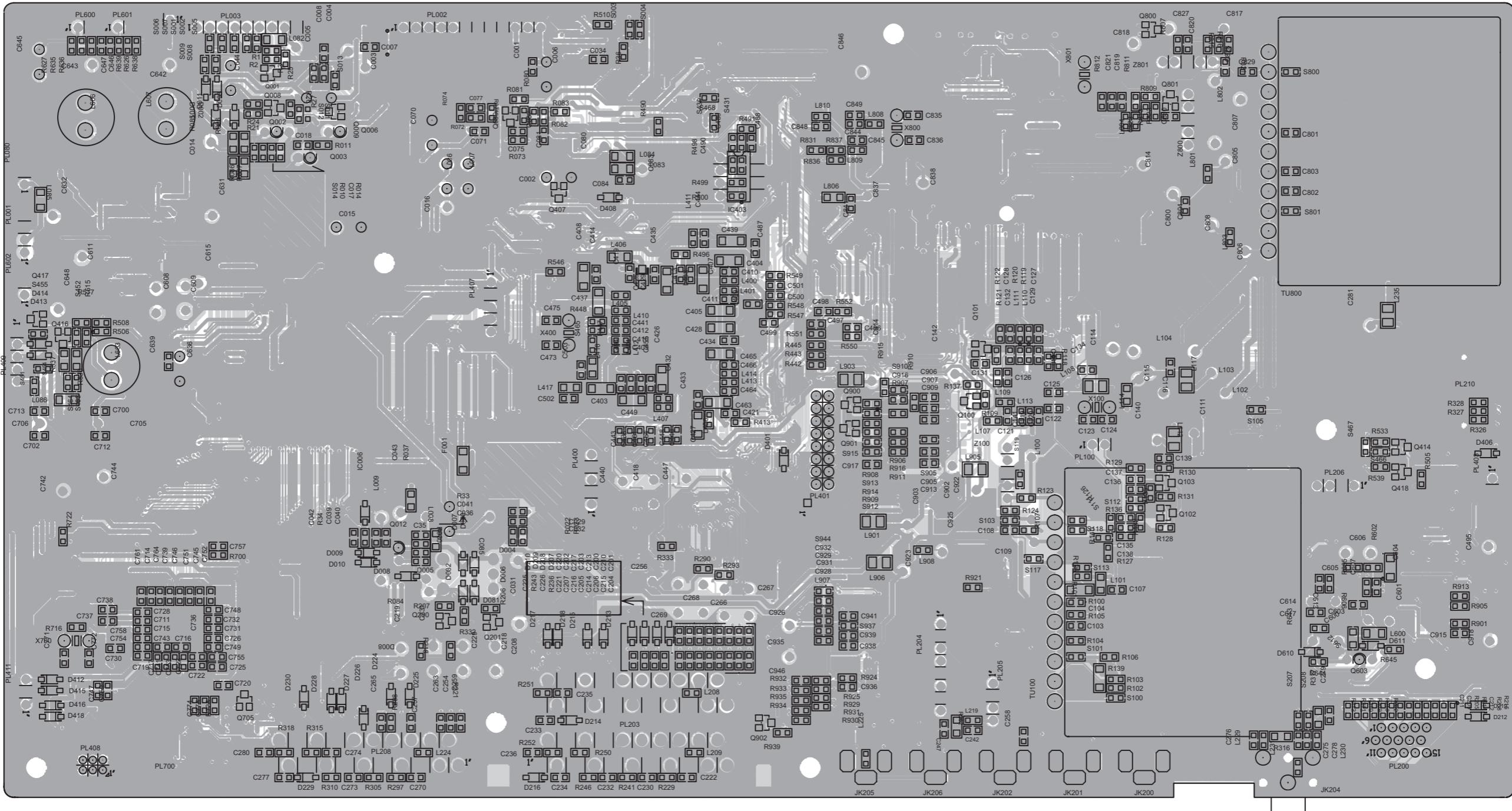
REG PWB ASS'Y

VE-20329135

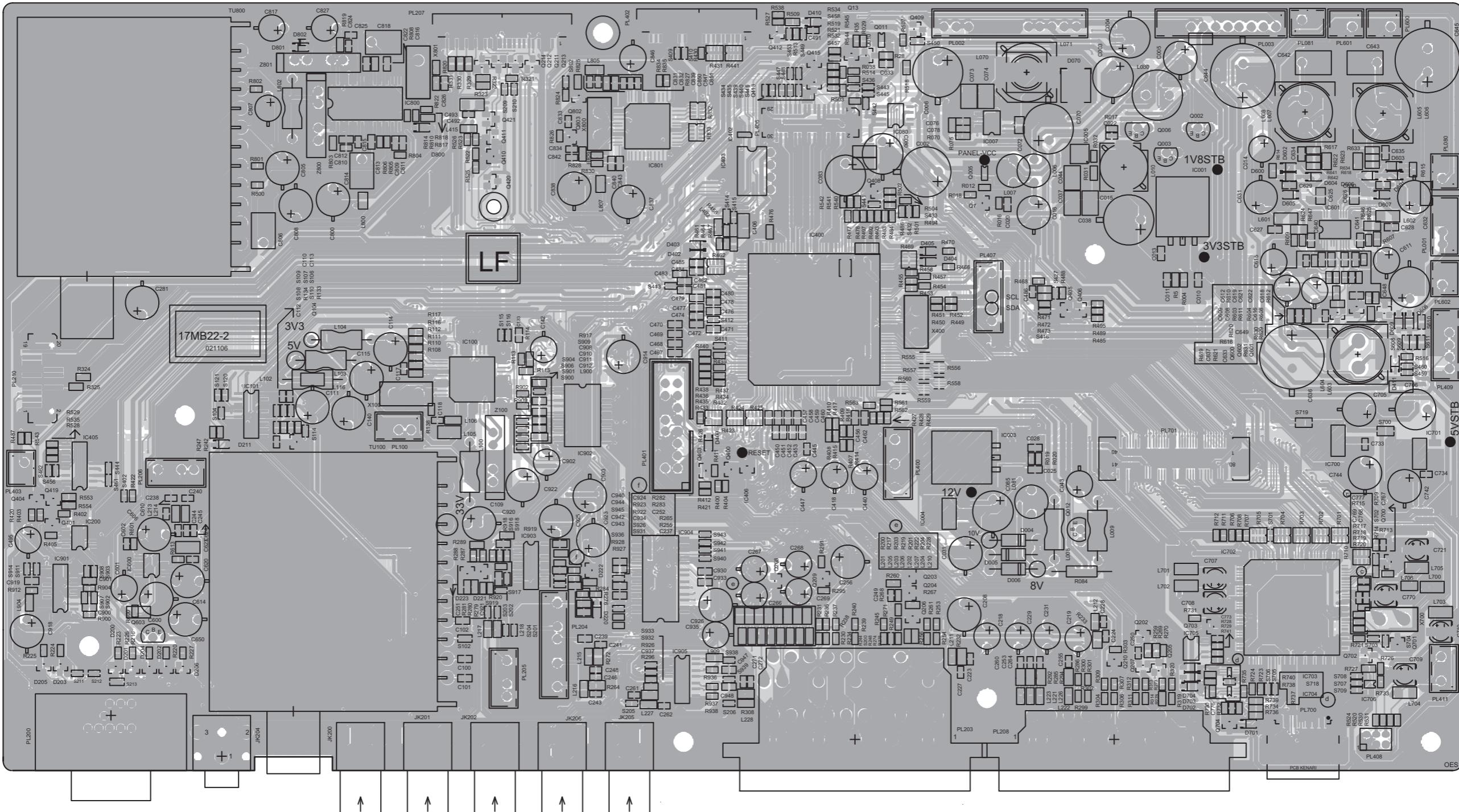
PATTERN DIAGRAMS

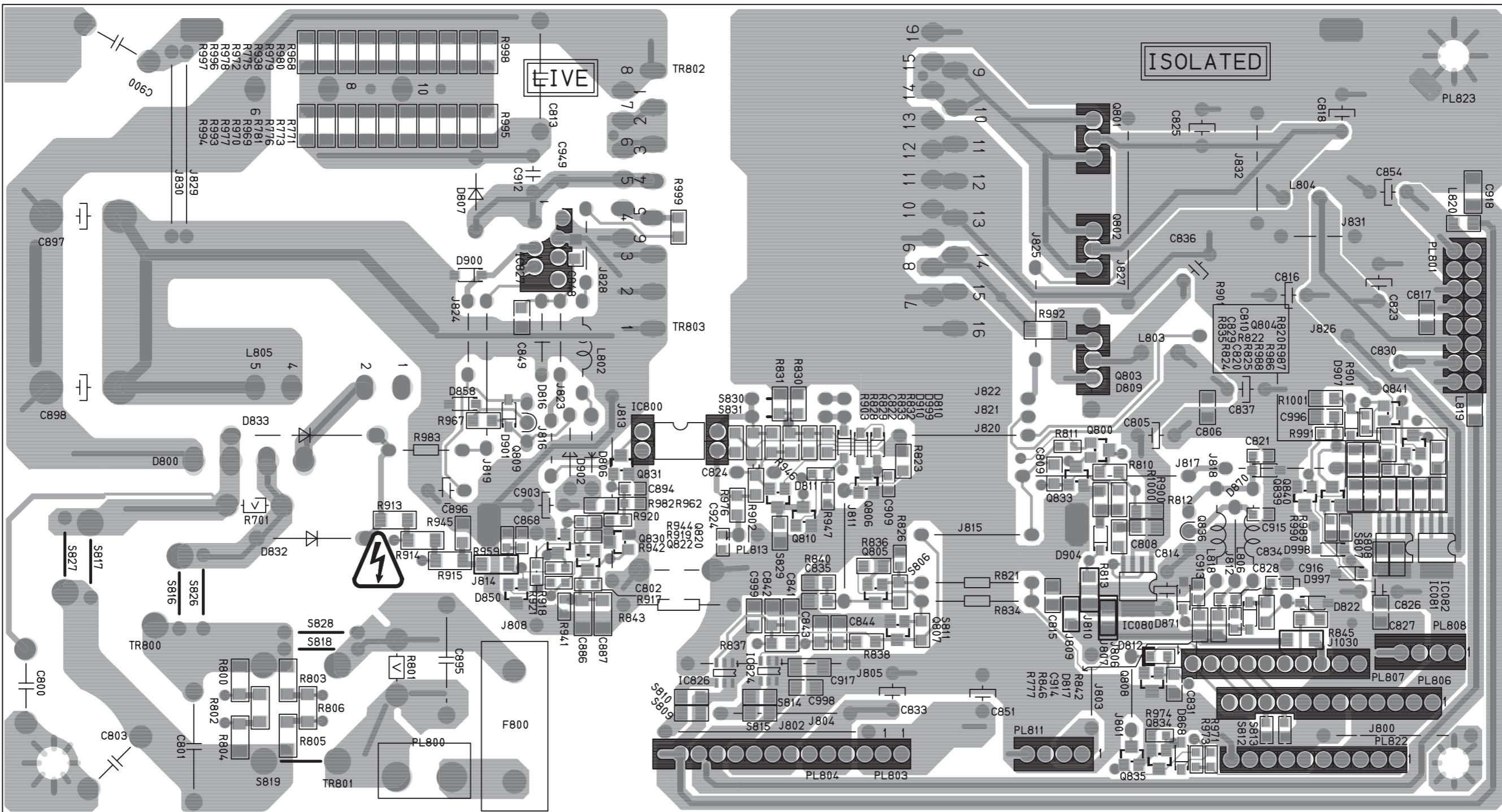
MAIN PWB PATTERN [SOLDER SIDE]

TOP
↑

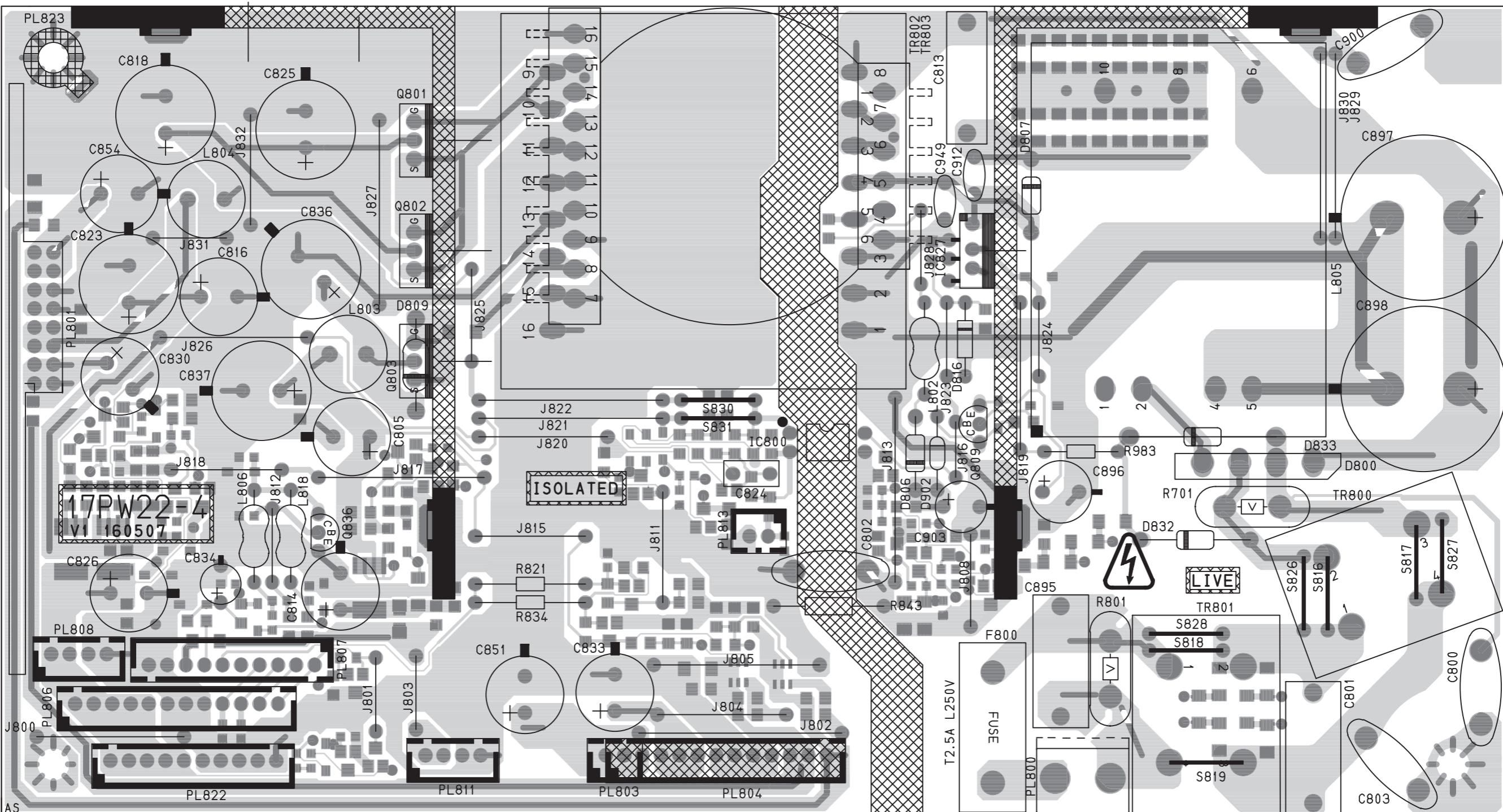


MAIN PWB PATTERN [PARTS SIDE]

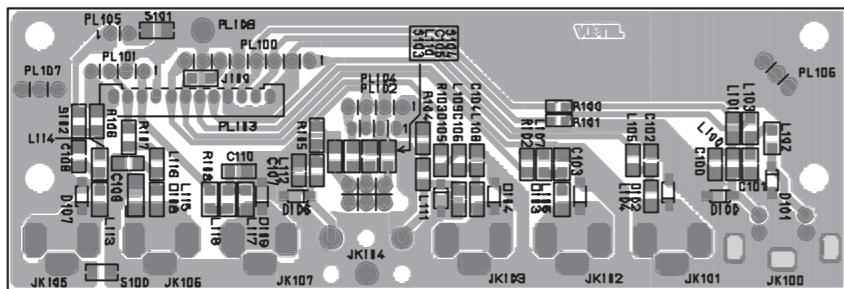


TOP
↑

POWER PWB PATTERN [PARTS SIDE]

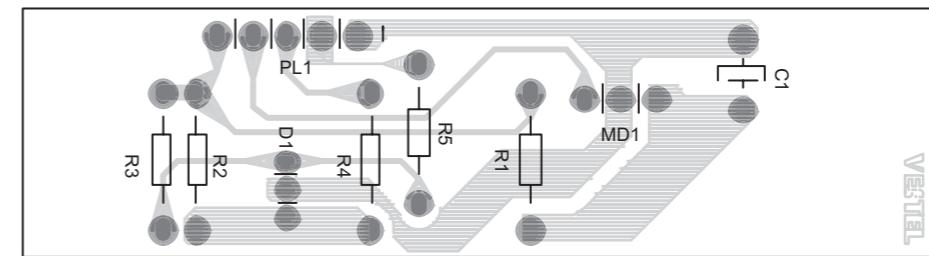


AV JACK PWB PATTERN [SOLDER SIDE]



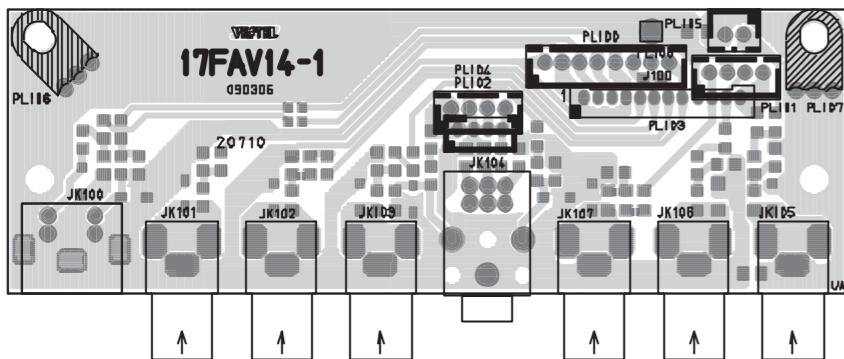
TOP
→

LED PWB PATTERN [SOLDER SIDE]



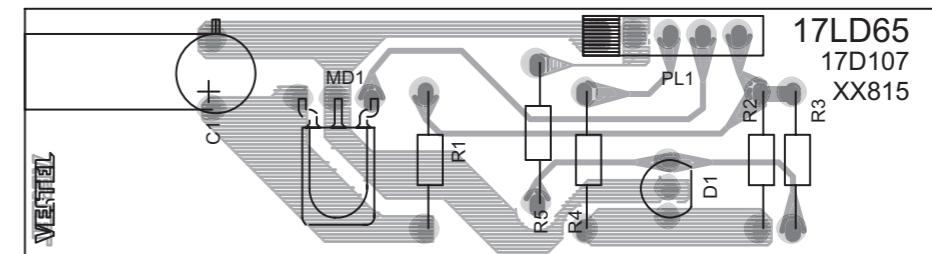
TOP
↓

AV JACK PWB PATTERN [PARTS SIDE]



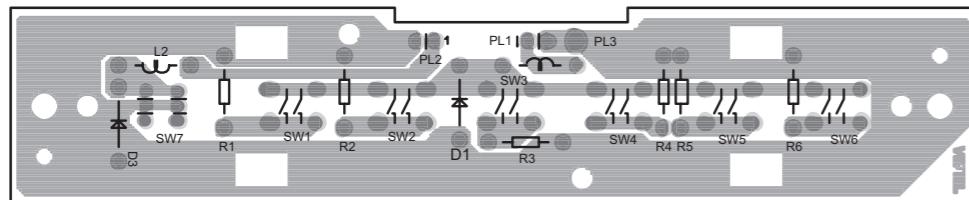
TOP
←

LED PWB PATTERN [PARTS SIDE]



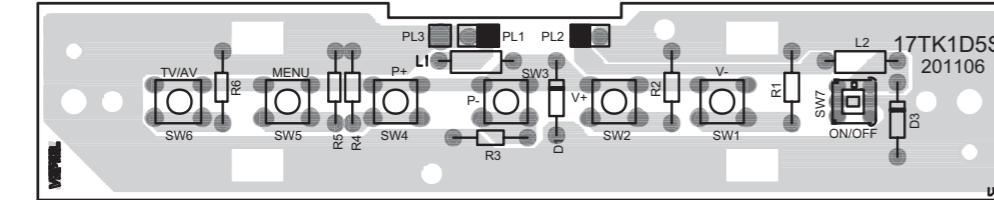
TOP
↓

SIDE CONTROL PWB PATTERN [SOLDER SIDE]



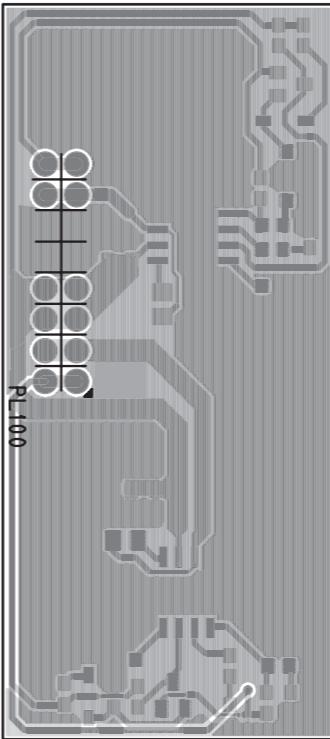
TOP
→

SIDE CONTROL PWB PATTERN [PARTS SIDE]



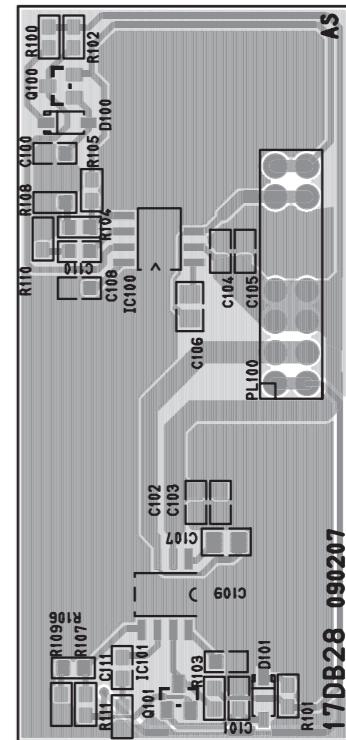
TOP
←

REG PWB PATTERN [SOLDER SIDE]



TOP
↑

REG PWB PATTERN [PARTS SIDE]



TOP
↑



Victor Company of Japan, Limited

Display category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA567<Rev.001>)



Printed in Japan
VPT