

JVC

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-17B60SU, LT-17B60SJ

InteriArt

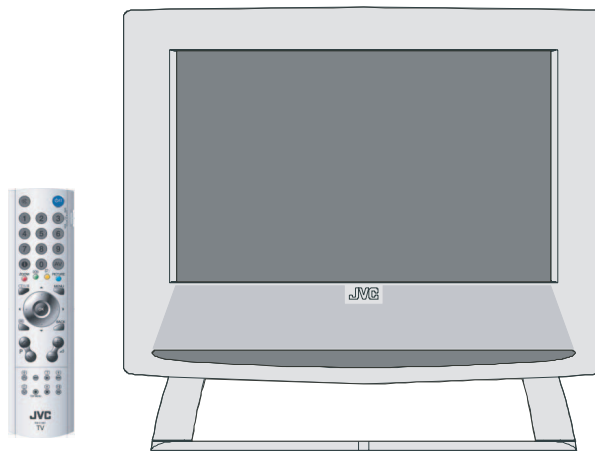


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SPECIFICATION

Items		Contents
Dimensions (W × H × D)		47.6cm × 43.6cm × 18.3cm [Included stand] 47.6cm × 36.6cm × 7.6cm [TV only]
Mass		8.5kg [Included stand] 7.0kg [TV only]
Power Input		DC12V (TV) AC220 ~ 240V 50Hz (Adaptor)
Power Consumption		45W (Standby: 3.0W)
TV RF System		CCIR (B/G, DK, I, L)
Colour System		PAL / SECAM / NTSC 3.58/4.43 [EXT only]
Stereo System		A2 (B/G) / NICAM (B/G, I, L)
Receiving Frequency	VHF UHF CATV	47 MHz - 470 MHz 470 MHz - 862 MHz S1 - S20 / S21 - S41
Intermediate Frequency	VIF SIF	38.9 MHz (B/G, I, L) 33.4 MHz (5.5MHz : B/G) 32.9 MHz (6.0MHz : I) 32.4 MHz (6.5MHz : L)
Colour Sub Carrier Frequency	PAL SECAM NTSC	4.43 MHz 4.40625 MHz / 4.25MHz 3.58 MHz / 4.43 MHz
Teletext System		FLOF (Fastext level 2.5), WST(World Standard system) TOP (German system)
LCD panel		17V-inch wide aspect (15:9)
Screen Size		Diagonal : 43.4cm (H: 37.2cm × V : 22.4cm)
Display Pixels		Horizontal : 1280 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		5W + 5W(10% THD)
Speaker		3.4cm, round type × 2
Aerial terminal (VHF/UHF)		F-type connector, 75Ω unbalanced, coaxial
EXT-1 / EXT-2 (Input / Output)		21-pin Euro connector (SCART socket) × 2
EXT-3 (Input)	S-Video Video Audio	Mini-DIN 4 pin × 1 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1 500mV (rms), High impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) WXGA : 1280 pixels × 768 pixels (Horizontal : 47.6kHz / Vertical : 60Hz)
PC AUDIO input		3.5mm stereo mini jack × 1
Audio output		500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5mm stereo mini jack × 1
Remote Control Unit		RM-C1861 (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 : (\perp) side GND, the ISOLATED (NEUTRAL) : (\equiv) side GND and EARTH : (\oplus) 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

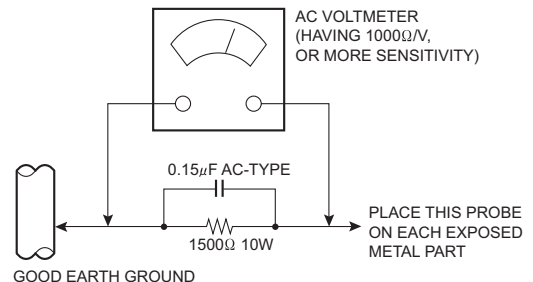
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated 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 1000 Ω per volt or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F 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 () 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.

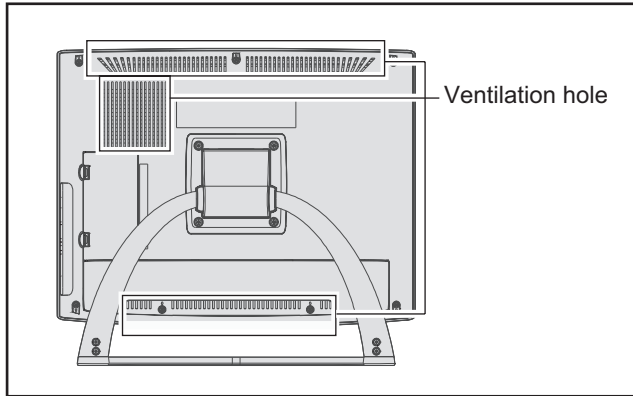
WARNING

- (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

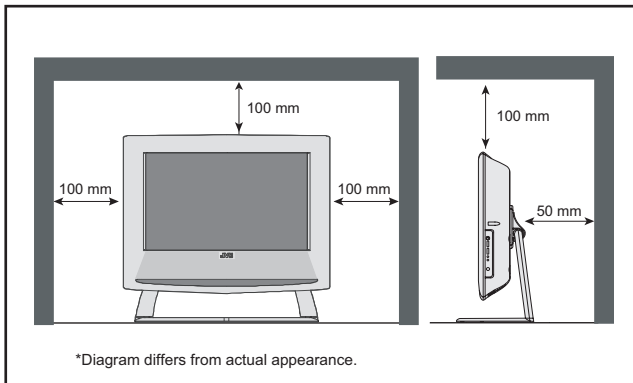
1.3.1 HEAT DISSIPATION

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

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.

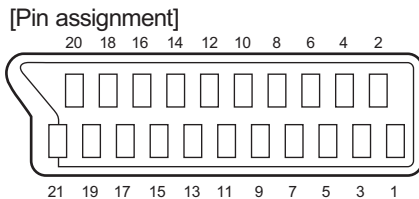
COLOUR SYSTEM

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

2.2 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 (SCL2 / TV-LINK)
11	G input	700mV _(B-W) , 75Ω	Used	Used
12	SDA		Not used	Used (SDA2)
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 (C2/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	Used
21	COMMON GND		Used	Used

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



2.3 TECHNICAL INFORMATION

2.3.1 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.

2.3.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Displayed colour	16777216 colours	256 colours for R, G, and B
Brightness	450cd/m ²	
Contrast ratio	400: 1	
Response time	25ms	
View angle	Horizontally: 176°, Vertically: 176°	

2.3.1.2 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

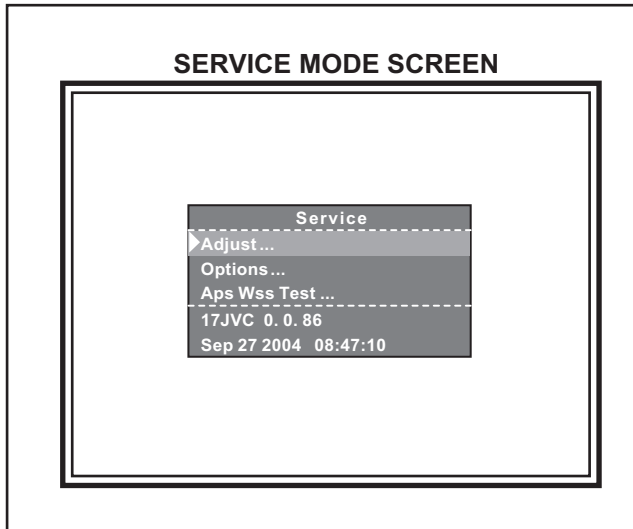
In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

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.

2.4 BASIC OPERATION OF SERVICE MODE

2.4.1 HOW TO ENTER THE SERVICE MODE

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



2.4.2 HOW TO EXIT THE SERVICE MODE

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

2.4.3 CHANGE AND MEMORY OF SETTING VALUE

■ SELECTION OF SETTING MENU & ITEM

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

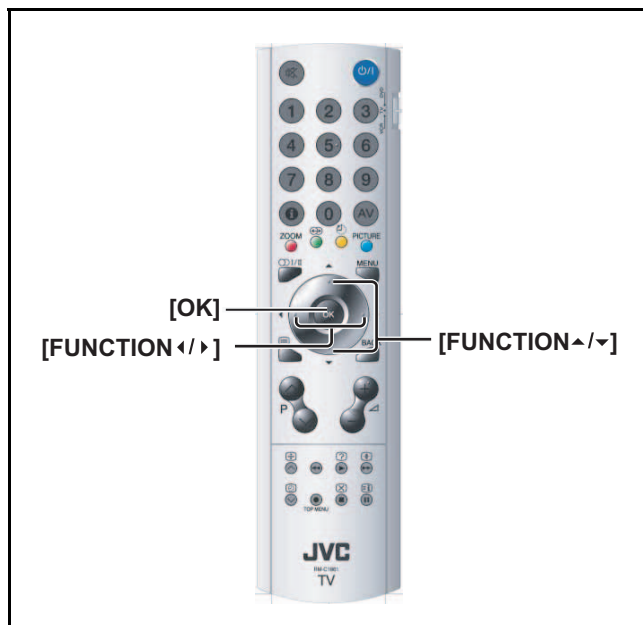
■ CHANGE OF SETTING VALUE (DATA)

- **[FUNCTION ◀/▶]** key.

■ MEMORY OF SETTING VALUE (DATA)

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

2.4.4 SERVICE MODE SELECT KEY LOCATION



2.4.5 SERVICE MODE SETTING ITEMS

Setting menu	Setting items	Contents
Adjust	Group	----
	Mode	----
	Col. Temp.	----
	Contrast	----
	Brightness	----
	Colour	----
	Sharpness	----
	Red	----
	Green	----
	Blue	----
	Aps Volume	----
Option 1	First APS	If ON, TV starts with APS menu at Start-up
	BG	----
	DK	----
	I	----
	L	----
	L'	----
	FM Prs Avl On	Adjusts the FM Prescaler value, when Automatic Volume Levelling is On
	Nicam Prs Avl On	Adjusts the Nicam Prescaler value, when Automatic Volume Levelling is On
	Scart Prs Avl On	Adjusts the Scart Volume value, when Automatic Volume Levelling is On
	Scart Volume Avl On	Adjusts the Scart Volume value, when Automatic Volume Levelling is On
Option 2	FM Prs Avl Off	Adjusts the FM Prescaler value, when Automatic Volume Levelling is Off
	Nicam Prs Avl Off	Adjusts the Nicam Prescaler value, when Automatic Volume Levelling is Off
	Scart Prs Avl Off	Adjusts the Scart Prescaler value, when Automatic Volume Levelling is Off
	Scart Volume Avl Off	Adjusts the Scart Volume value, when Automatic Volume Levelling is On
	Avl	Enable/disable Automatic Volume Levelling System
	Sound	----
	Carrier	----
	LDLY	----
	AGC	----
	Aps Wss Test	Programme
Aps Wss Test	VPS	----
	Scart Volume Avl Off	----
	Pdc Format 1	----
	Pdc Format 2	----
	Name	----
	WSS	----

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

- Remove the HINGE COVER.
(1) Remove the 4 screws [A], then remove the FOOT ASS'Y.

3.1.2 REMOVING THE FOOT SUPPORT

- Remove the HINGE COVER & the FOOT ASSEMBLY.
(1) Remove the 4 screws [B].
(2) Remove the FOOT SUPPORT.

3.1.3 REMOVING THE BACK COVER

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the TFT DOOR SOCKET & AV DOOR SOCKET.
(1) Remove the 5 screws [C].
(2) Remove the BACK COVER toward you.

3.1.4 REMOVING THE AV JACK PWB

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
(1) Remove the 2 screws [D].
(2) Remove the AV JACK PWB.

3.1.5 REMOVING THE SIDE CONTROL PWB

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
(1) Remove the 2 screws [E].
(2) Remove the SIDE CONTROL PWB with control knob.
(3) Remove the SIDE CONTROL PWB from control knob.

3.1.6 REMOVING THE HEADPHONE JACK PWB

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
(1) Remove the 1 screw [F].
(2) Remove the HEADPHONE JACK PWB.

3.1.7 REMOVING THE DISPLAY ASSEMBLY

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
(1) Remove the 4 screws [G].
(2) Remove the DISPLAY ASSEMBLY.

3.1.8 REMOVING THE BRACKET SCART

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the DISPLAY ASSEMBLY.
(1) Remove the 2 screws [H].
(2) Remove the BRACKET SCART.

3.1.9 REMOVING THE MAIN PWB

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the DISPLAY ASSEMBLY.
- Remove the BRACKET SCART.
(1) Remove the 7 screws [I].
(2) Remove the MAIN PWB.

3.1.10 REMOVING THE INVERTER UNIT

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the DISPLAY ASSEMBLY.
- Remove the BRACKET SCART.
(1) Remove the 2 screws [J].
(2) Remove the INVERTER UNIT.

3.1.11 REMOVING THE MAIN FRAME

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the DISPLAY ASSEMBLY.
- Remove the BRACKET SCART.
- Remove the MAIN PWB.
(1) Remove the 4 screws [K].
(2) Remove the MAIN FRAME from the LCD PANEL UNIT.

3.1.12 REMOVING THE LCD PANEL UNIT

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the DISPLAY ASSEMBLY.
- Remove the BRACKET SCART & MAIN PWB.
- Remove the MAIN FRAME.
(1) Remove the 4 screws [L].
(2) Follow the same step when removing the other hand DISPLAY SUPPORT.
(3) Slightly raise the both sides of the LCD PANEL UNIT by hand from the FRONT COVER.

NOTE :

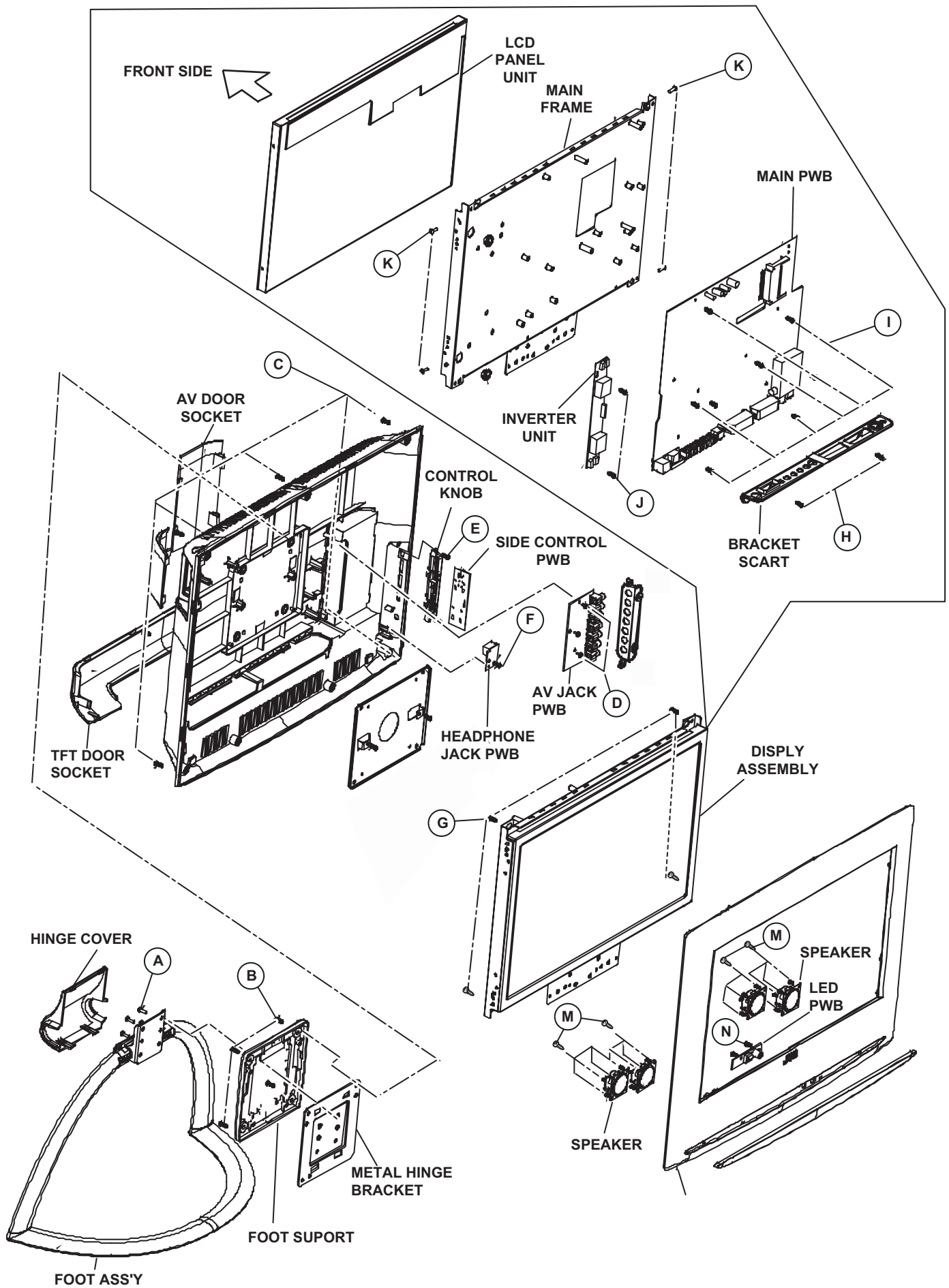
- Pay special attention not to break or damage on the LCD PANEL face or frame.
- The LCD PANEL UNIT is fixed to the FRONT COVER (at the back side) by using double-side adhesive tapes. To remove the LCD PANEL UNIT, remove the adhesive tape on the FRONT PANELS slowly.

3.1.13 REMOVING THE SPEAKERS

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
(1) Remove the 4 screws [M].
(2) Remove the SPEAKER from the FRONT COVER.
(3) Follow the same when removing the other hand speakers.

3.1.14 REMOVING THE LED PWB

- Remove the HINGE COVER & the FOOT ASSEMBLY.
- Remove the BACK COVER.
(1) Remove the 2 screws [N].
(2) Remove the LED PWB from the FRONT COVER.



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

3.2.1.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
ZOOM	AUTO

3.2.1.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item	Setting position
MODE	Bright
Contrast	36 Step
Bright-1	26 Step
Sharpness	11 Step
Colour	39 Step
Bright-2	31 Step
Colour Temp.	Cool
Noise Red.	Min

(2) SOUND

Setting item	Setting position
Volume	10 Step
Bass	16 Step
Treble	15 Step
Balance	16 Step
Hyper Sound	Off
Sound Mode	Mono

(3) FEATURES

Setting item	Setting position
Sleep Timer	Off
Child Lock	Off
Language	English
EXT-2 Output	TV
Blue Back	Off

(4) Install [TV MODE]

Setting item	Setting position
Colour System	Auto
Decorder(EXT-2)	On
VCR	Off

(5) Install [EXT MODE]

Setting item	Setting position
Colour System	Auto
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

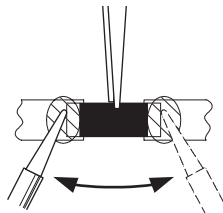
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

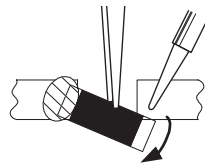
1. How to remove Chip parts

[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.

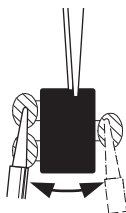


[Transistors, diodes, variable resistors, etc.]

- (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.



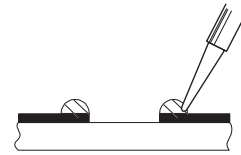
NOTE :

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

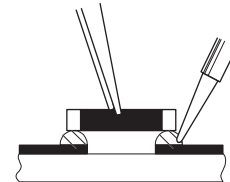
2. How to install Chip parts

[Resistors, capacitors, etc.]

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

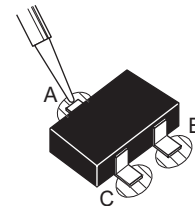


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

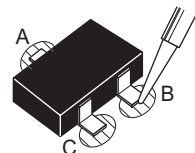


[Transistors, diodes, variable resistors, etc.]

- (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**.



JVC

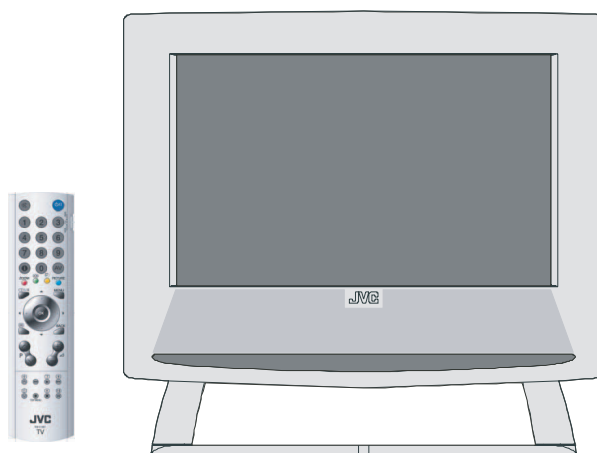
SCHEMATIC DIAGRAMS

WIDE LCD PANEL TELEVISION

LT-17B60SJ, LT-17B60SU

CD-ROM No.SML200508

InteriArt



LT-17B60SJ, LT-17B60SU

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures 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 20k Ω /V
- (4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div
: V \Rightarrow 5ms / div
: Others \Rightarrow 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 : R209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● 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 : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized 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



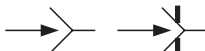
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* 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 (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

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PATTERN DIAGRAMS

MAIN PWB PATTERN

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AV JACK PWB PATTERN

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SIDE CONTROL PWB PATTERN

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LED PWB PATTERN

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HEADPHONE JACK PWB PATTERN


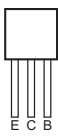
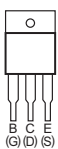
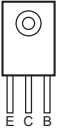
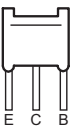
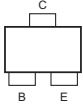
2-26

USING P.W. BOARD


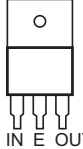
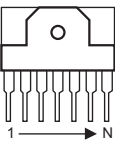
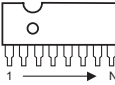

P.W.B ASS'Y name	LT-17B60SJ	LT-17B60SU
MAIN P.W. BOARD	VE-20199500	
SIDE CONTROL P.W. BOARD	VE-20198956	
AV JACK P.W. BOARD	VE-20195942	
HEADPHONE JACK P.W. BOARD	VE-20177874	
LED P.W. BOARD	VE-20194768	

SEMICONDUCTOR SHAPES

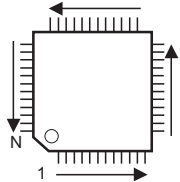
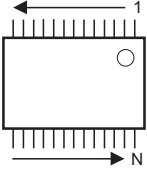
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

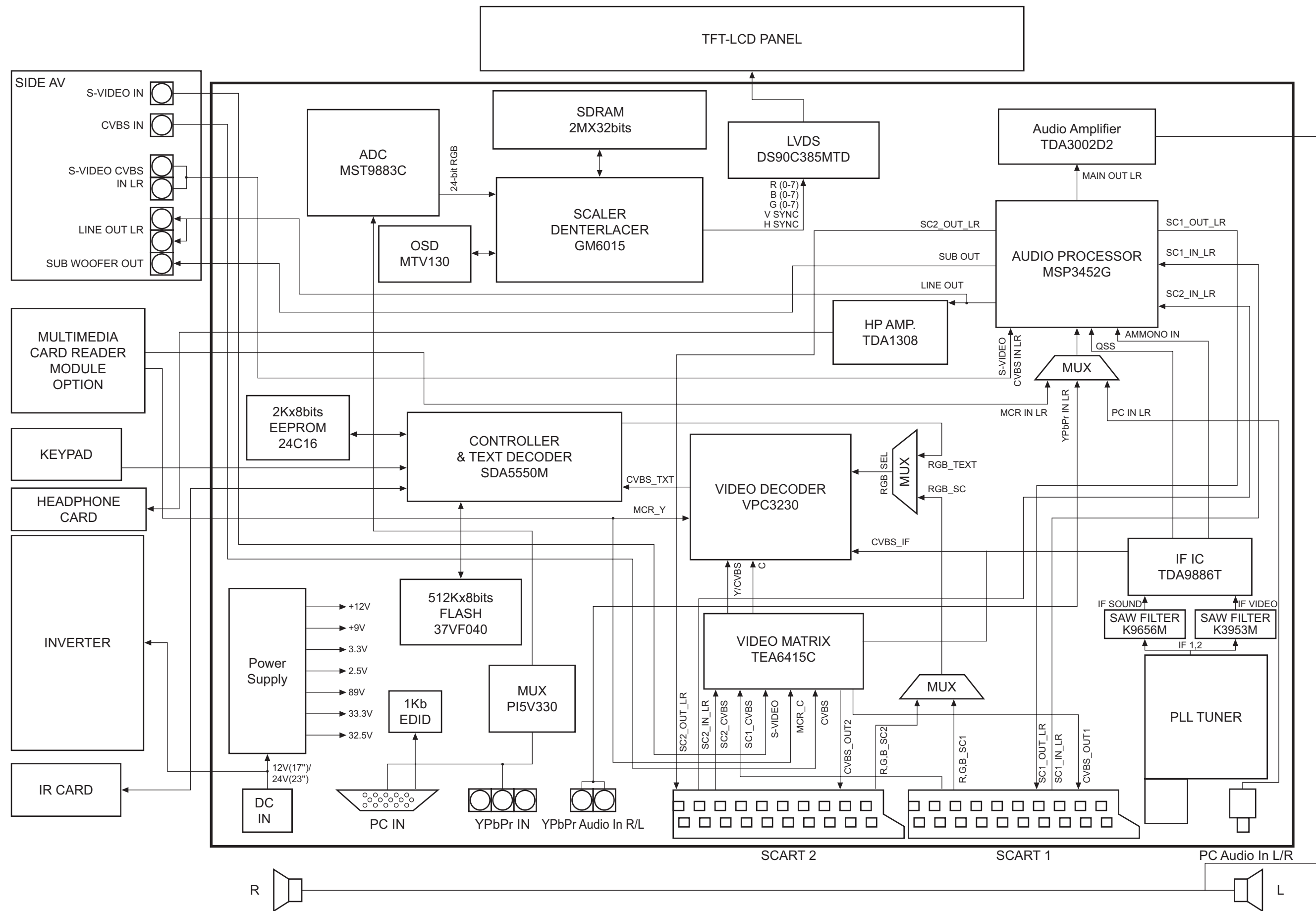
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

TOP VIEW		
		

BLOCK DIAGRAM



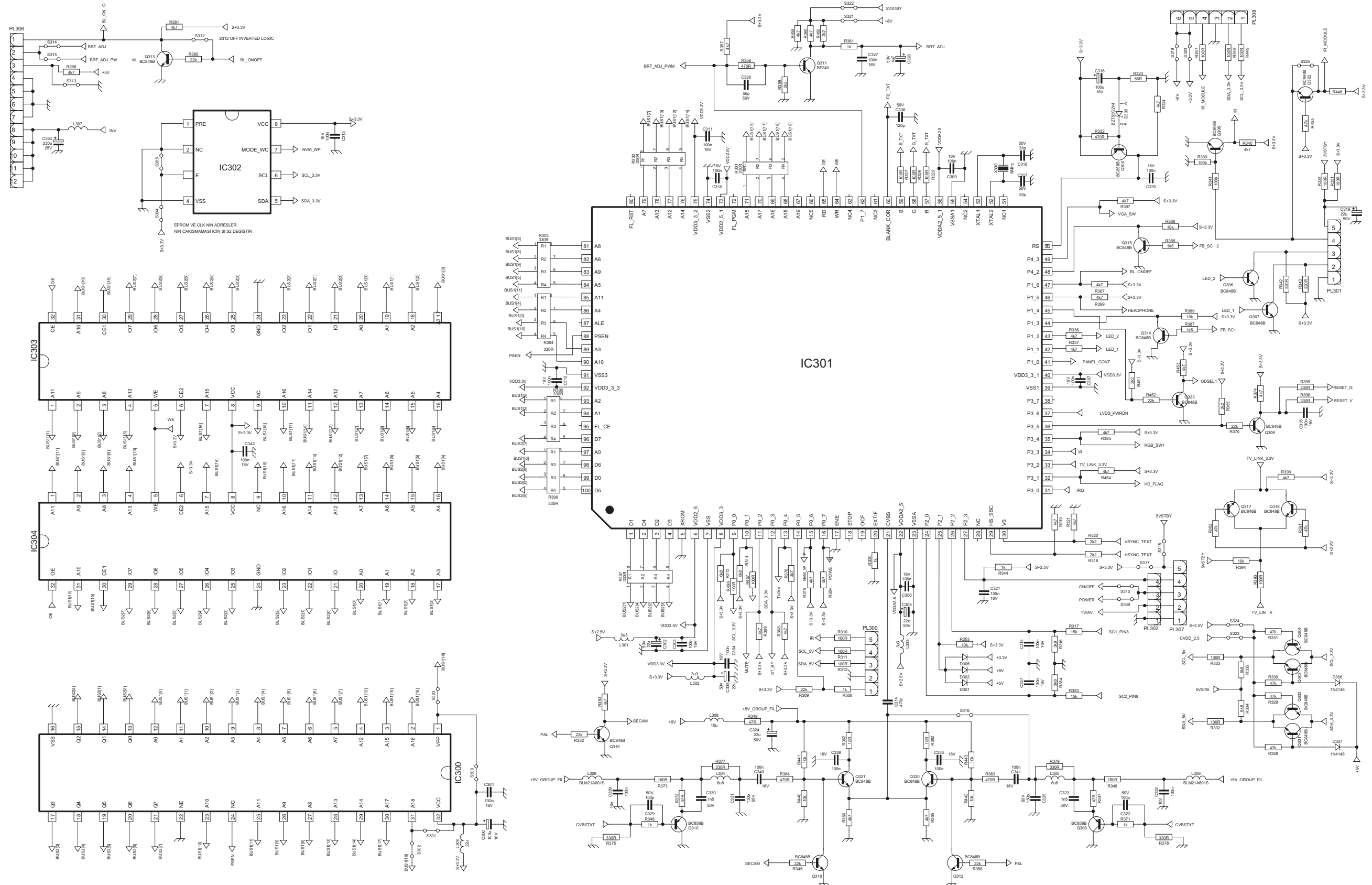
MAIN PWB CIRCUIT DIAGRAM (1/8)

VE-20199500

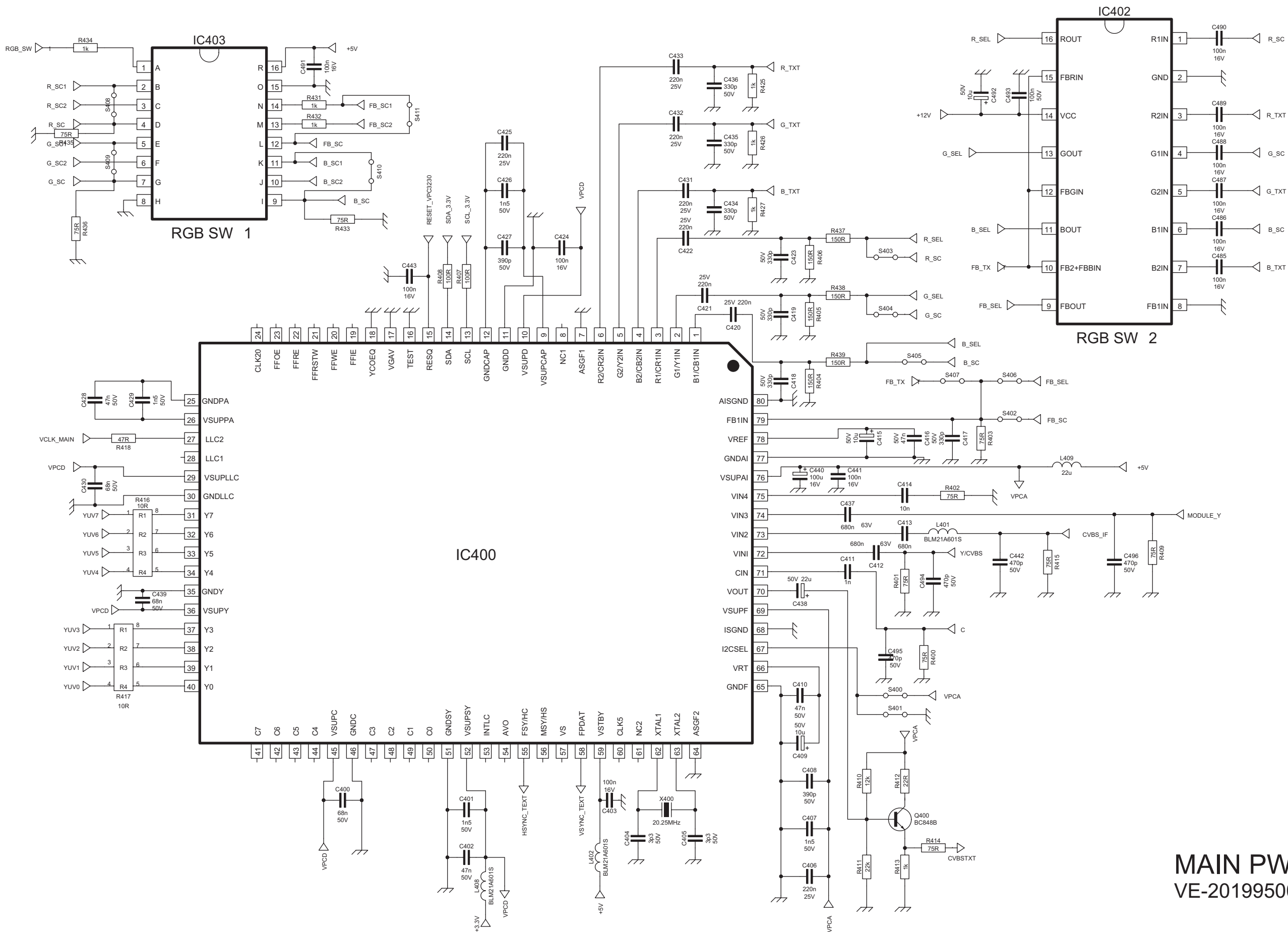


MAIN PWB ASS'Y (2/8)
VE-20199500

NOTE : Refer to the part list for the part number of IC301 and IC302.

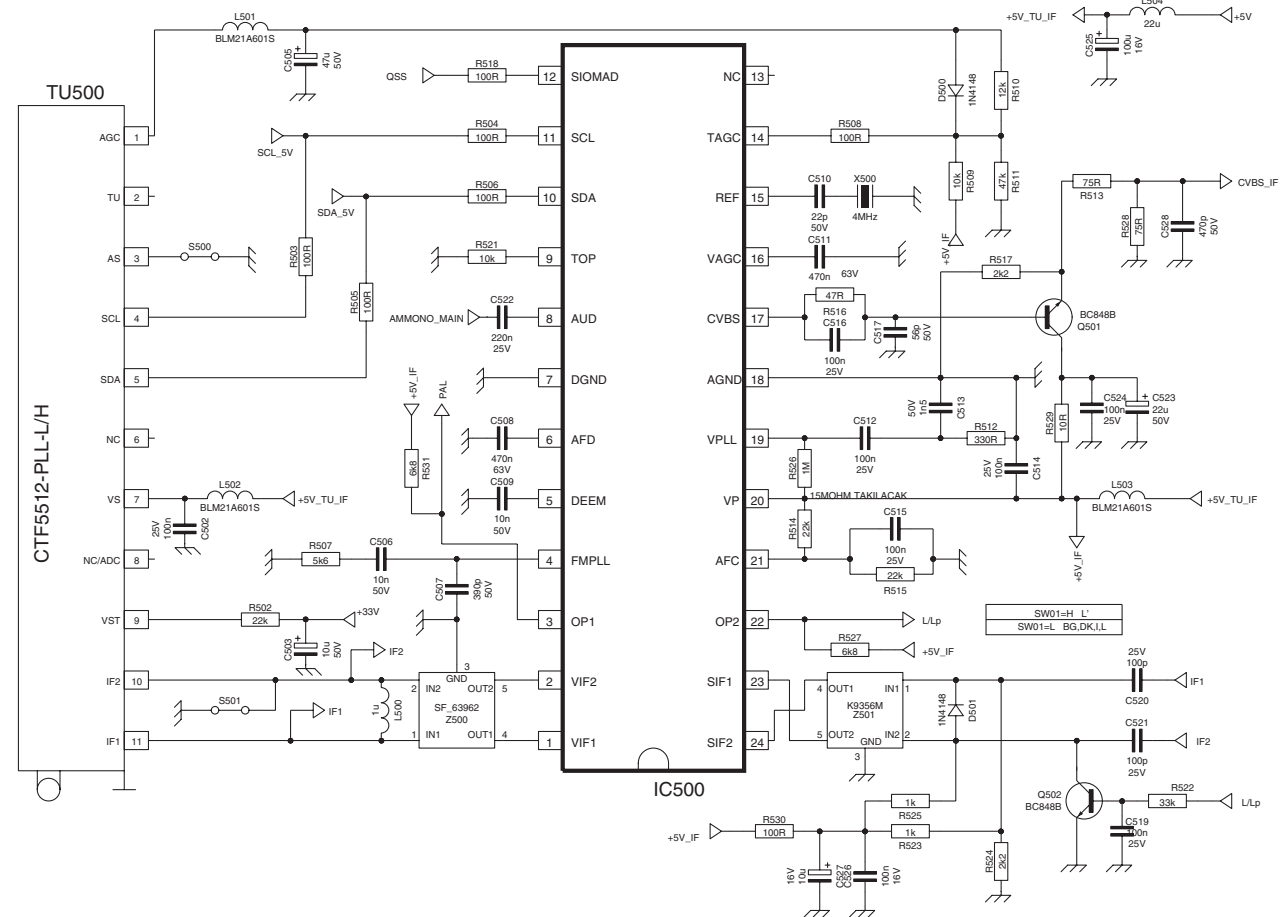


MAIN PWB CIRCUIT DIAGRAM (3/8)



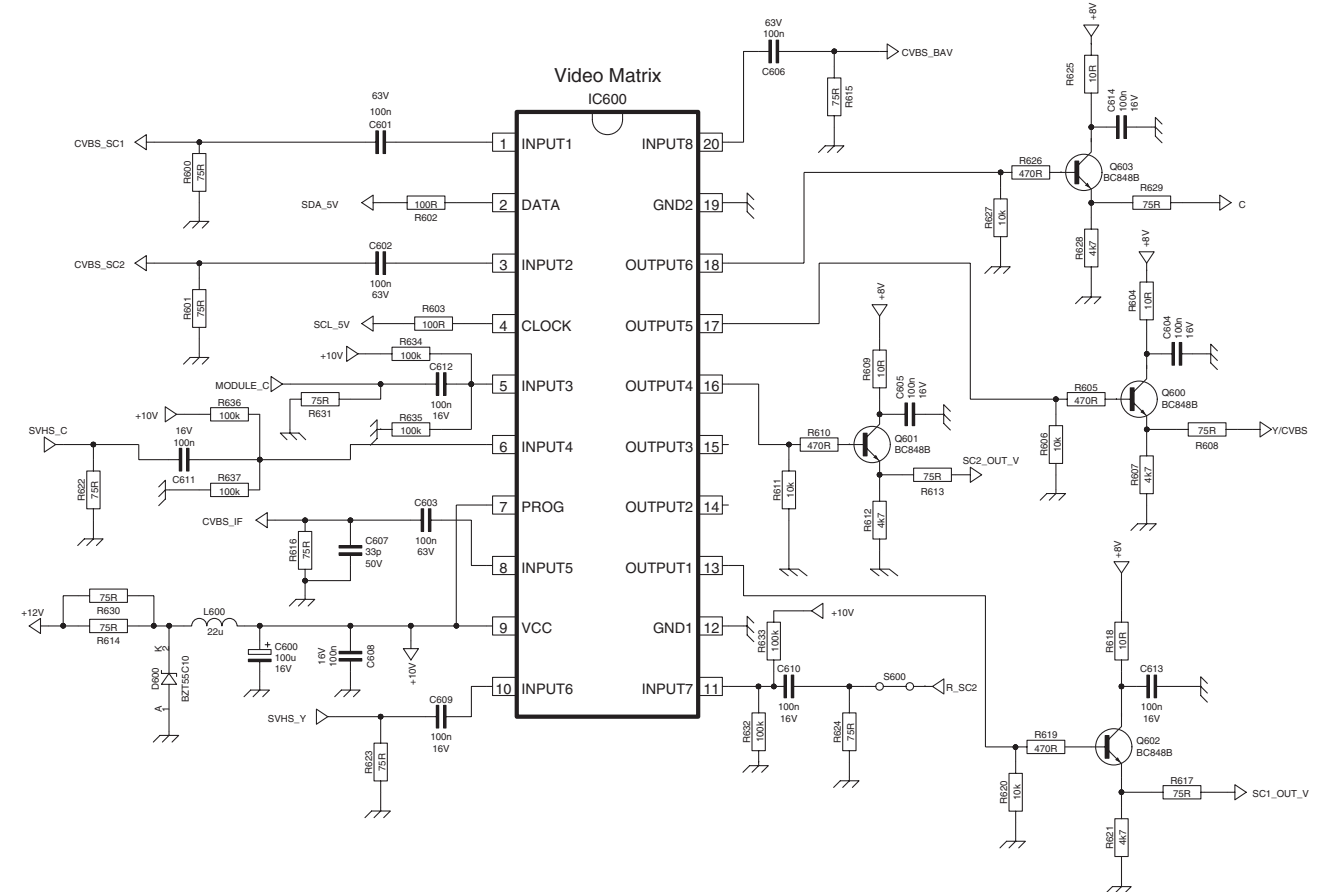
MAIN PWB ASS'Y (3/8)
VE-20199500

MAIN PWB CIRCUIT DIAGRAM (4/8)



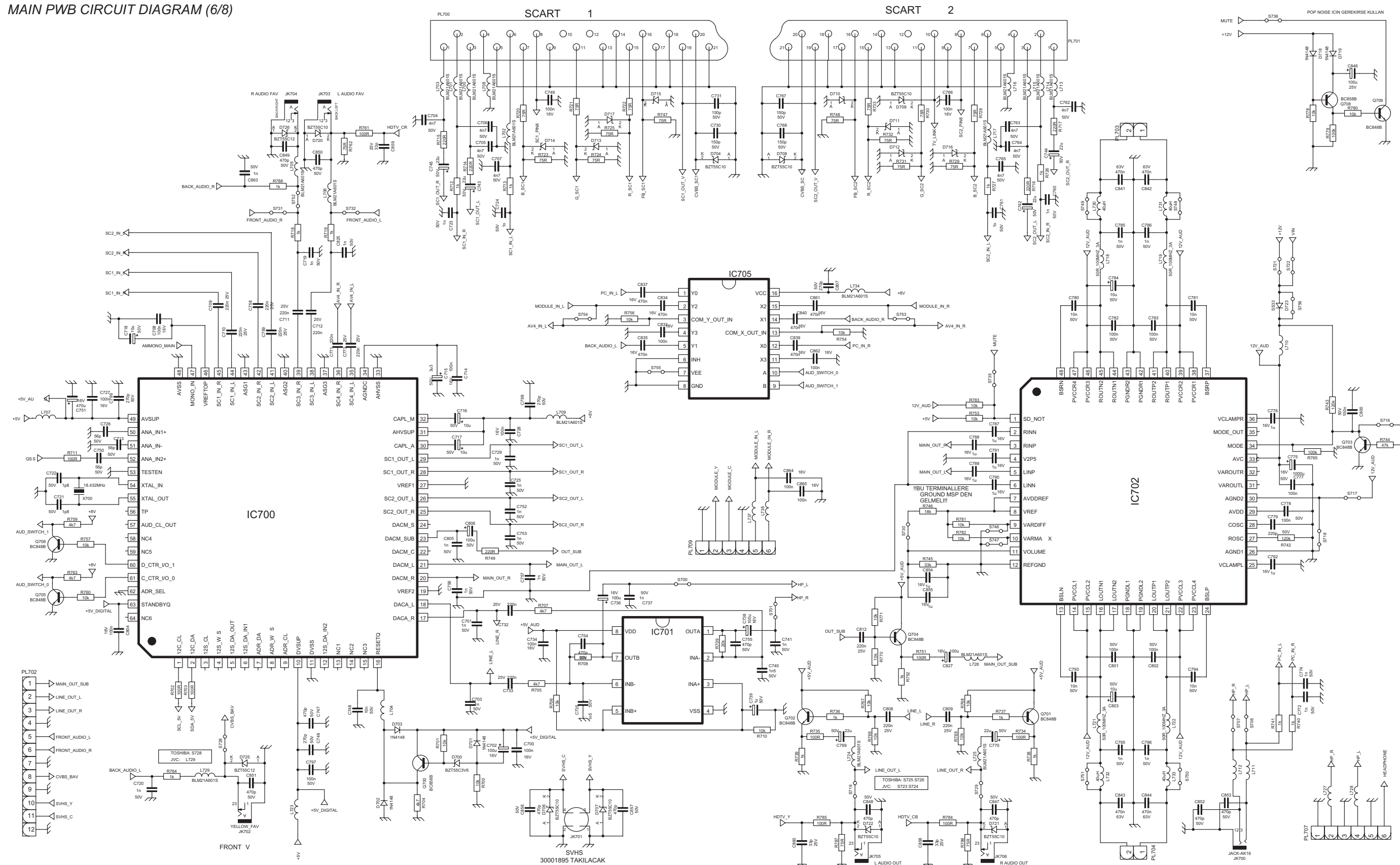
MAIN PWB ASS'Y (4/8)
VE-20199500

MAIN PWB CIRCUIT DIAGRAM (5/8)



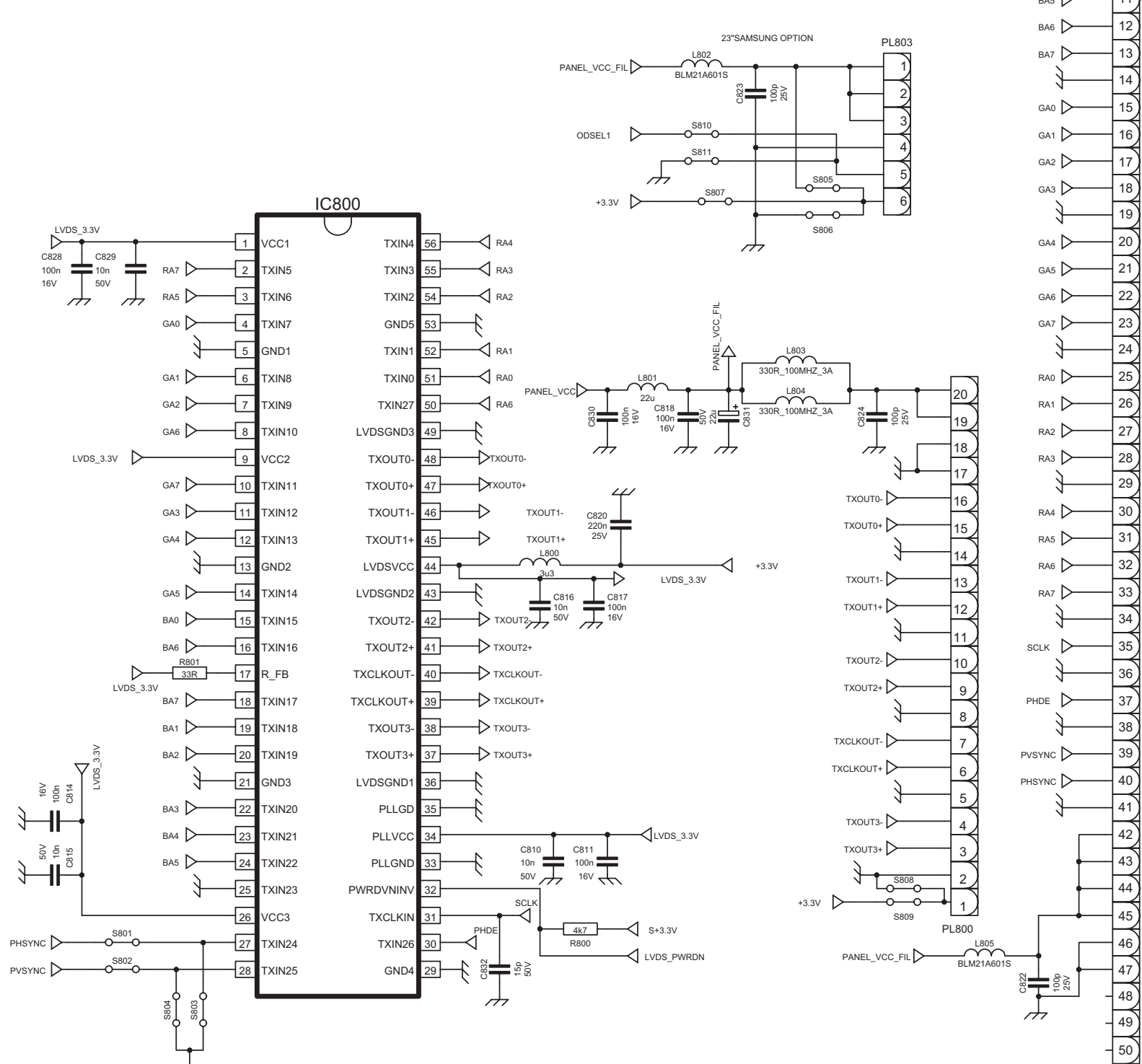
MAIN PWB ASS'Y (5/8)
VE-20199500

MAIN PWB CIRCUIT DIAGRAM (6/8)

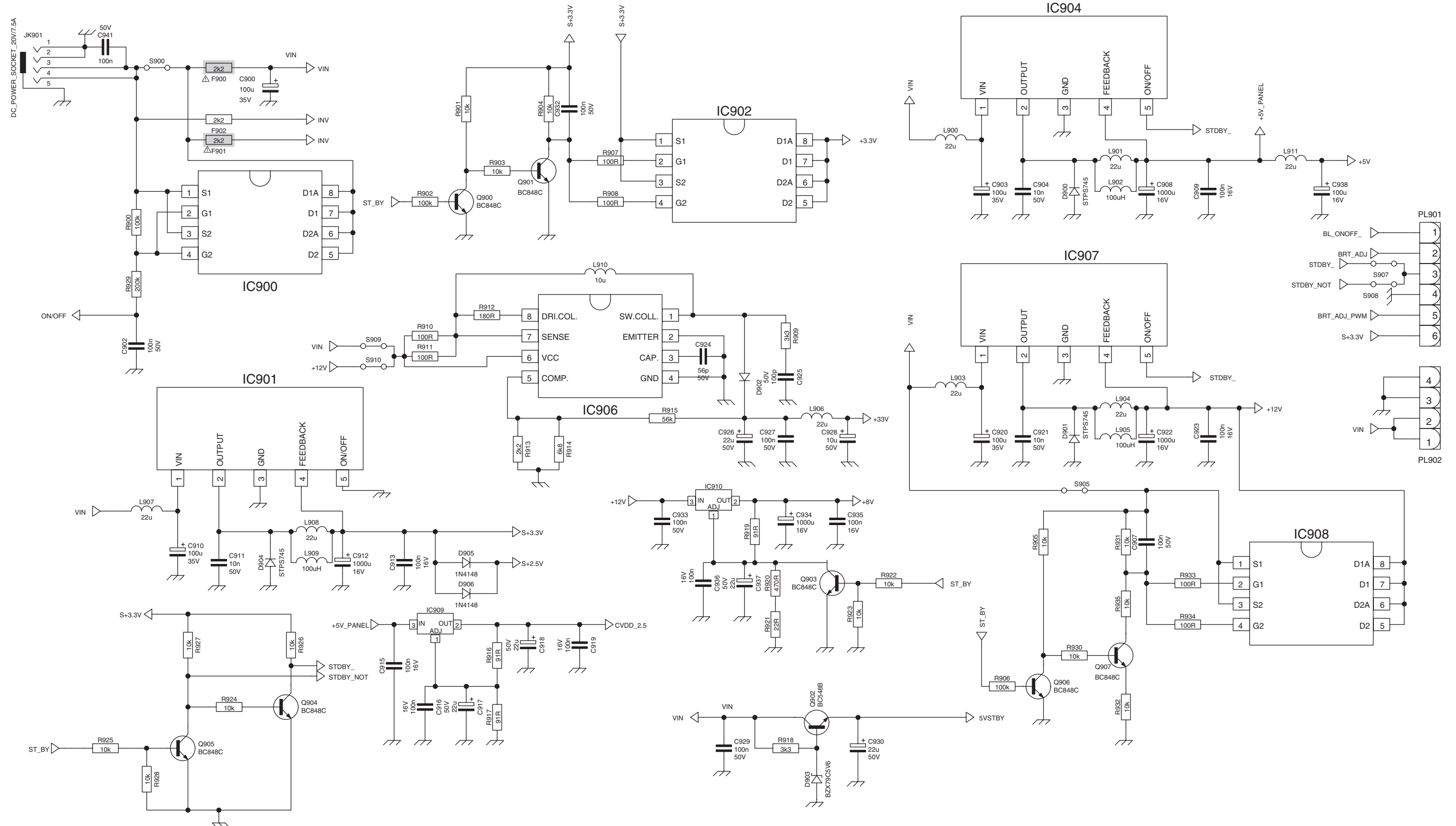


MAIN PWB ASS'Y (6/8)
VE-20199500

MAIN PWB ASS'Y (7/8)
VE-20199500

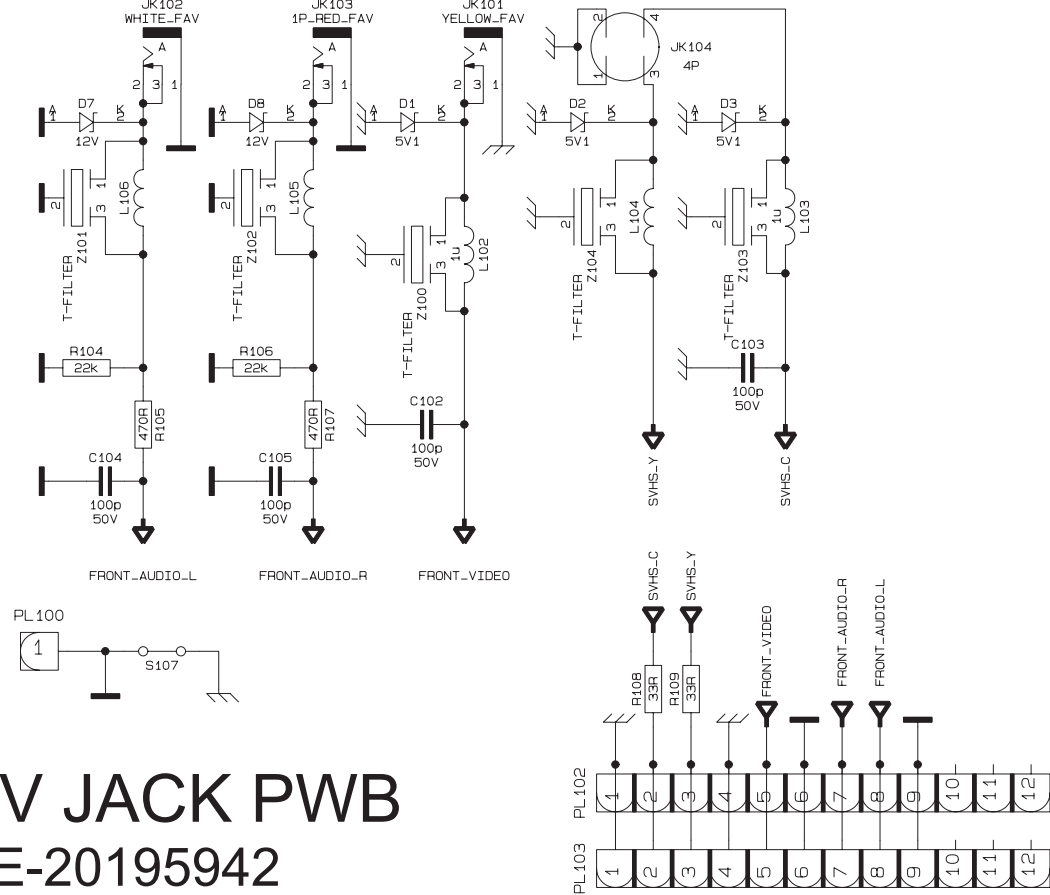


MAIN PWB CIRCUIT DIAGRAM (8/8)



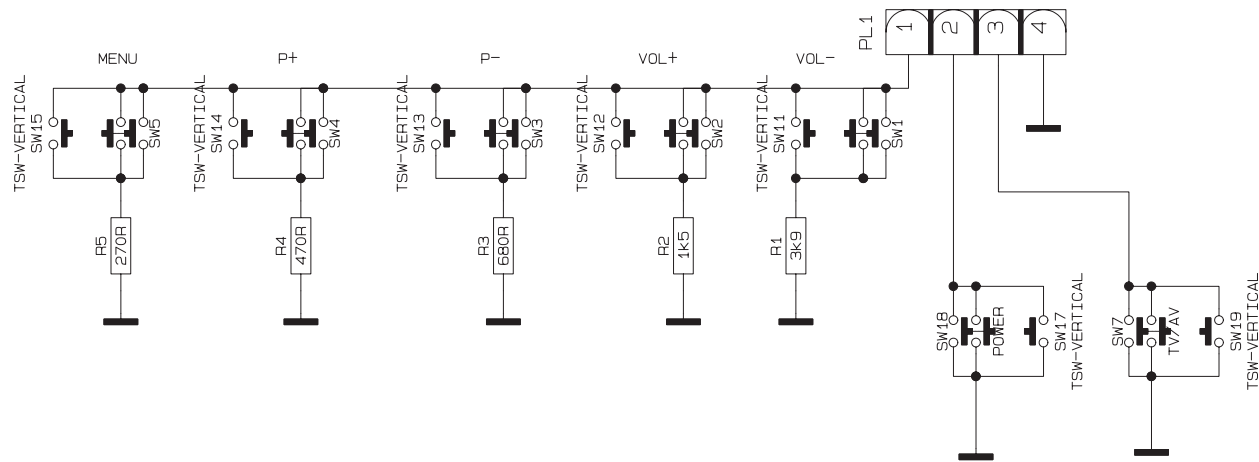
MAIN PWB ASS'Y (8/8)
VE-20199500

AV JACK PWB CIRCUIT DIAGRAM



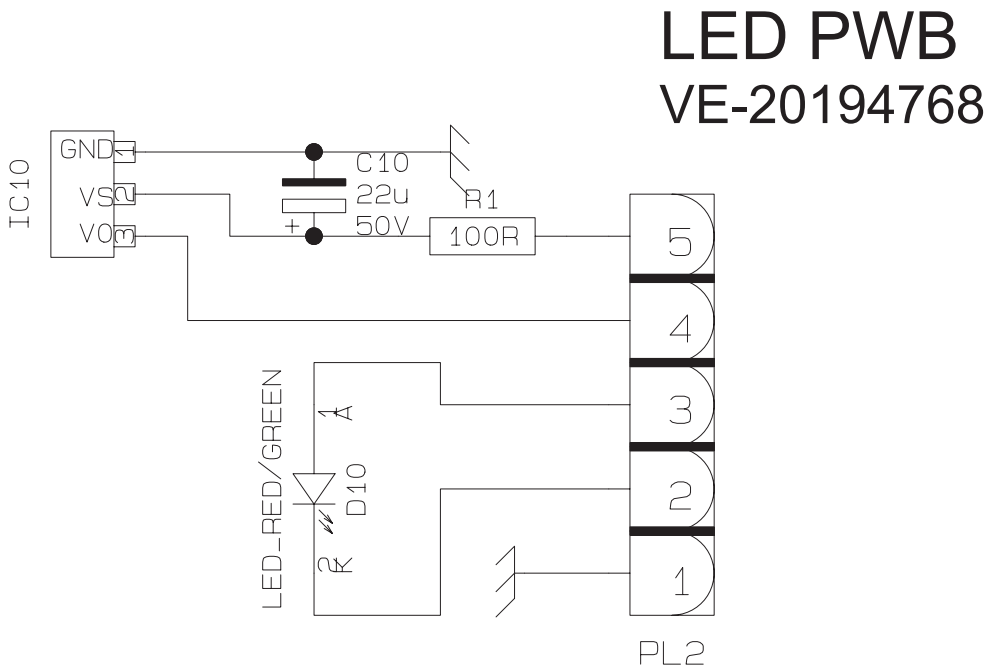
AV JACK PWB VE-20195942

SIDE CONTROL PWB CIRCUIT DIAGRAM



SIDE CONTROL PWB VE-20198956

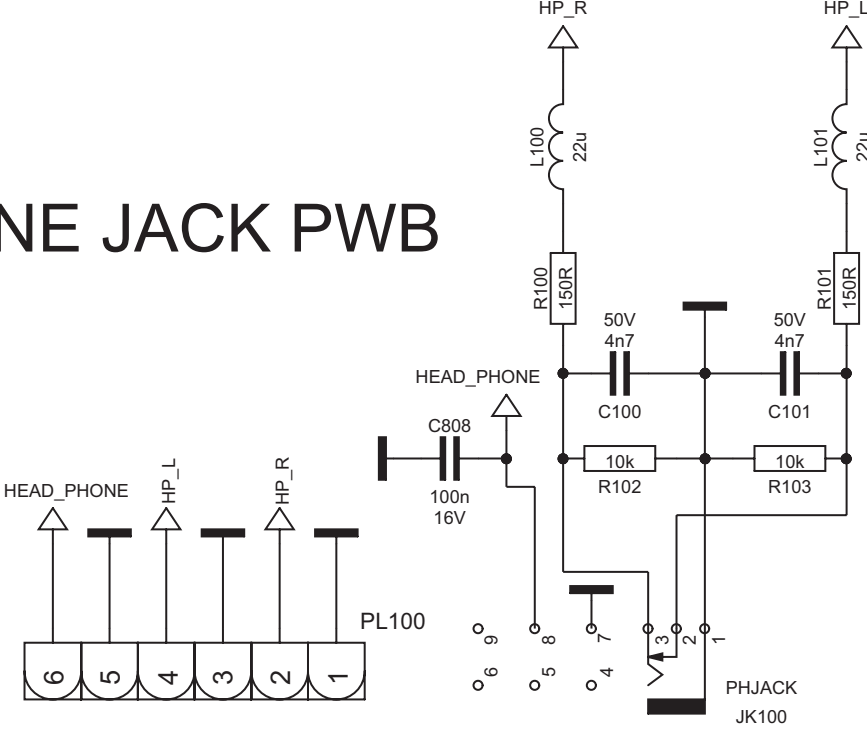
LED PWB CIRCUIT DIAGRAM



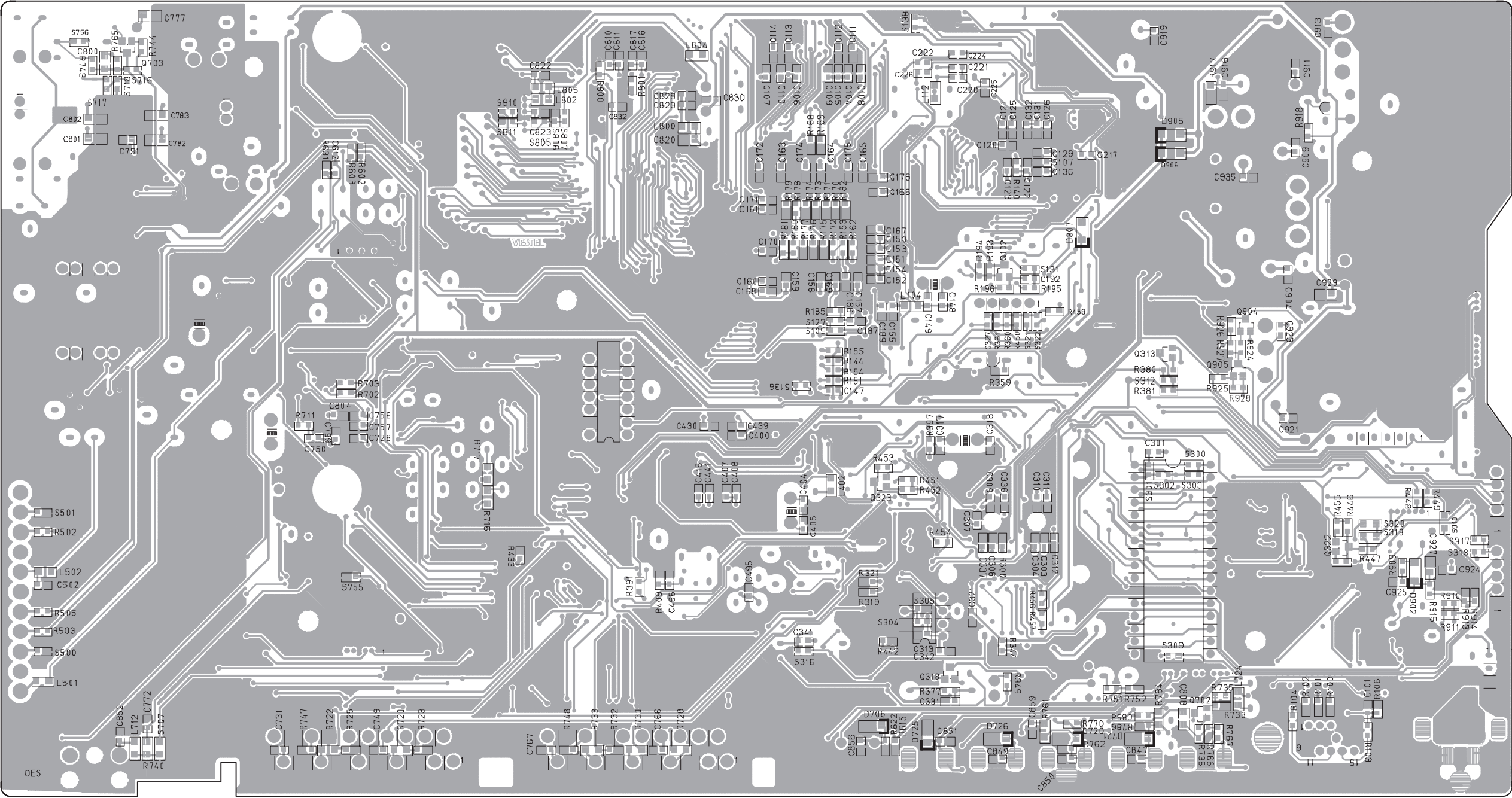
LED PWB VE-20194768

HEADPHONE JACK PWB CIRCUIT DIAGRAM

HEADPHONE JACK PWB VE-20177874



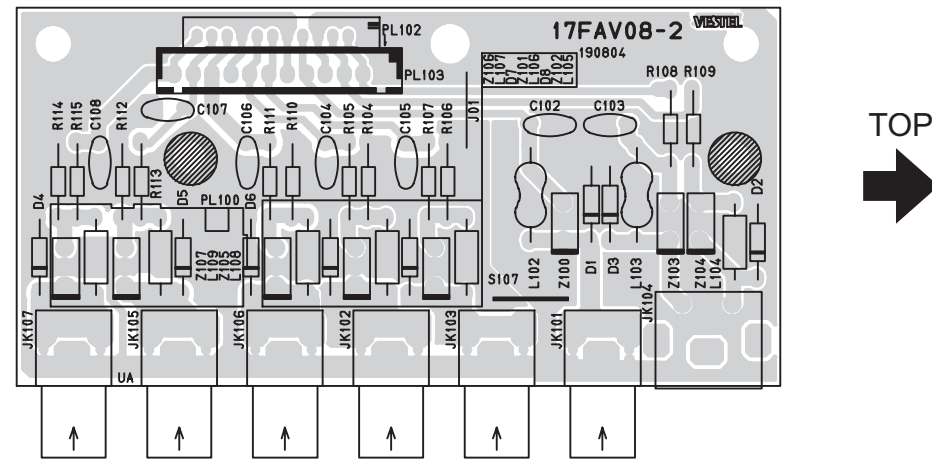
PATTERN DIAGRAMS
MAIN PWB PATTERN [SOLDER SIDE]



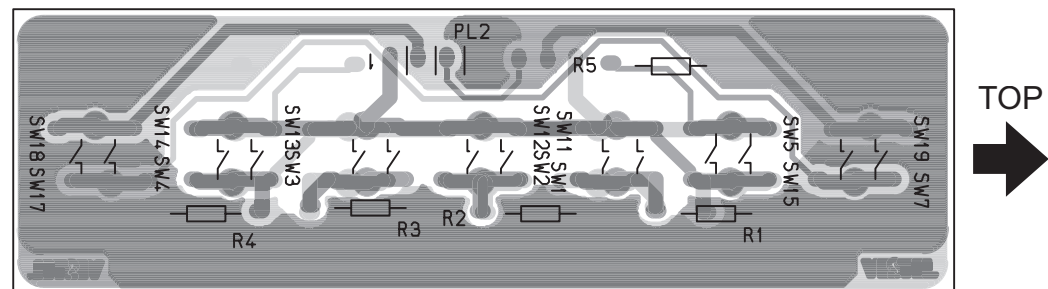
TOP
↓



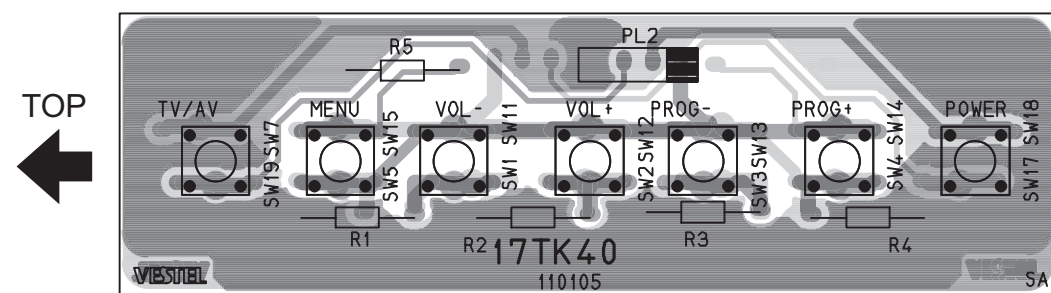
AV JACK PWB PATTERN



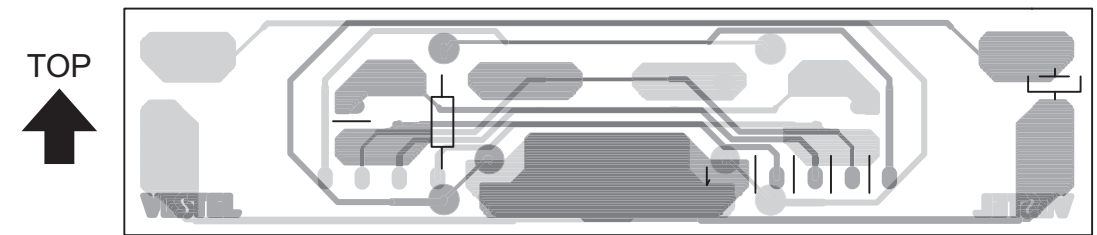
SIDE CONTROL PWB PATTERN [SOLDER SIDE]



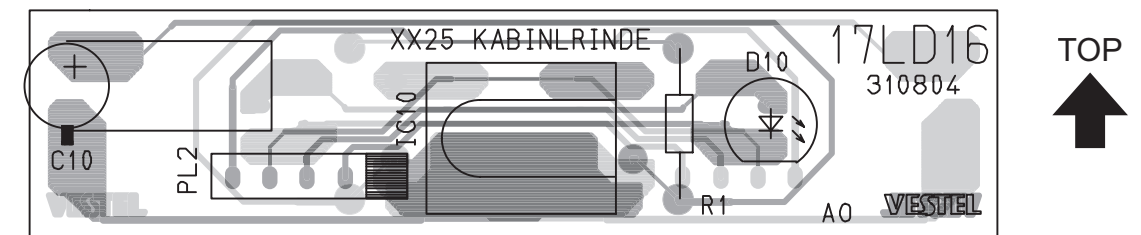
SIDE CONTROL PWB PATTERN [PARTS SIDE]



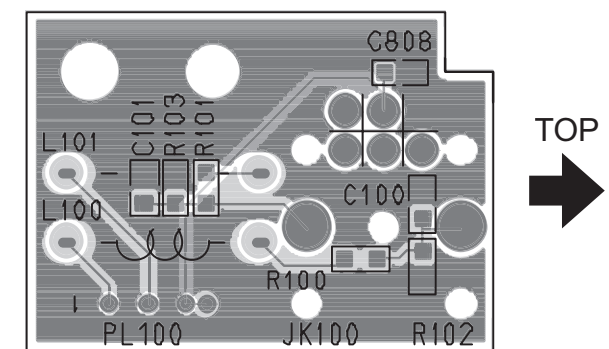
LED PWB PATTERN [SOLDER SIDE]



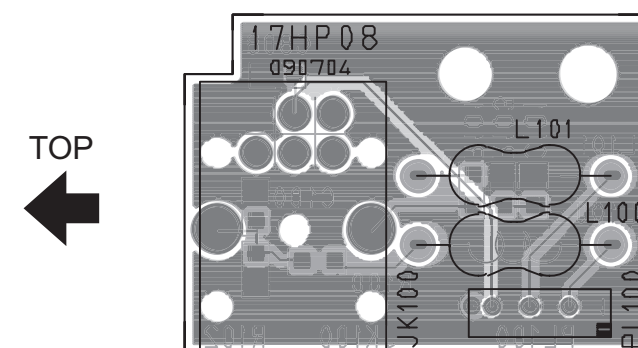
LED PWB PATTERN [PARTS SIDE]



HEADPHONE JACK PWB PATTERN [SOLDER SIDE]



HEADPHONE JACK PWB PATTERN [PARTS SIDE]



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
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT	3-2
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EXPLODED VIEW	3-3
PRINTED WIRING BOARD PARTS LIST	3-4
PACKING	3-10
PACKING PARTS LIST	3-10

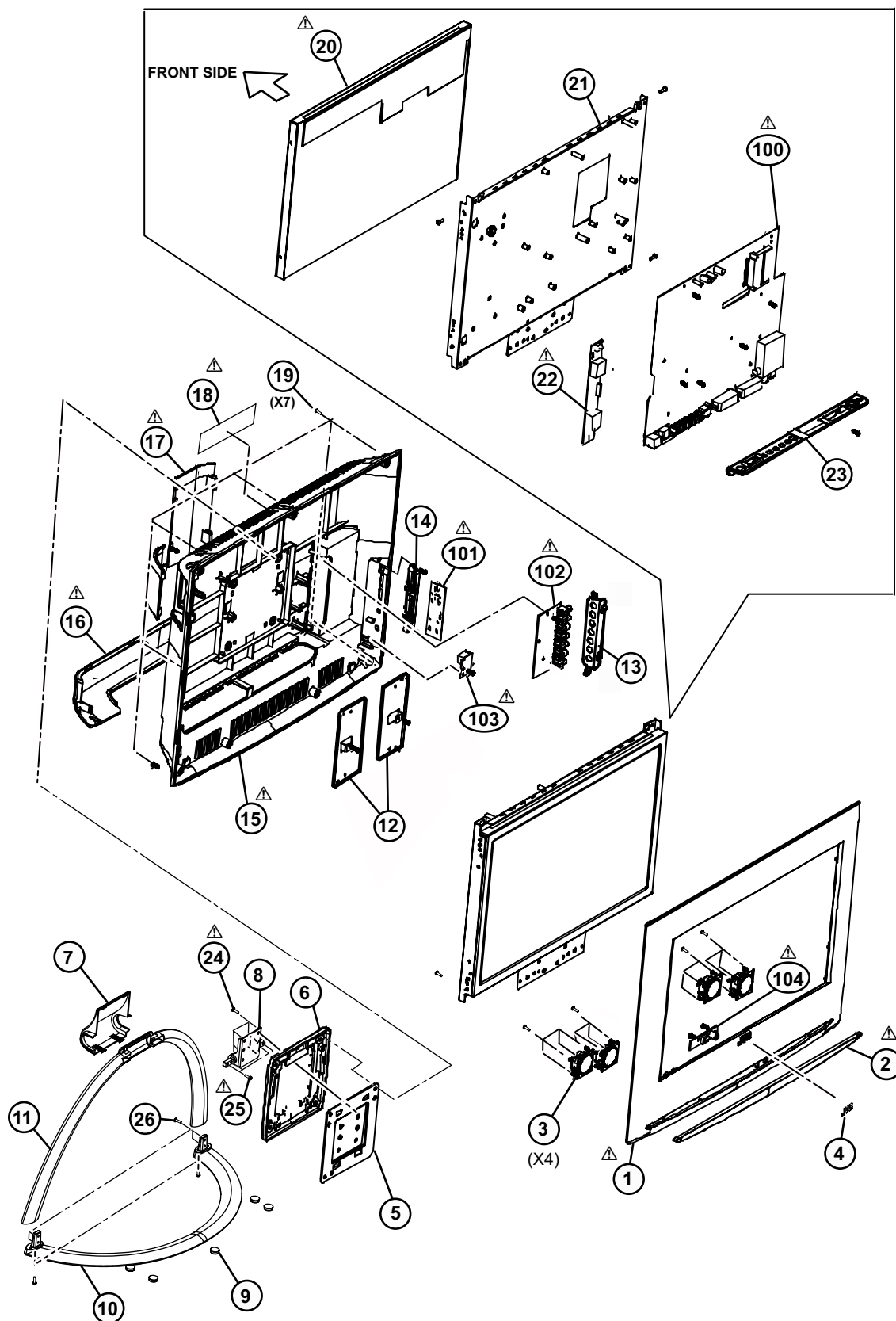
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	LT-17B60SJ	LT-17B60SU
MAIN P.W.B	VE-20199500	←
SIDE CONTROL P.W.B	VE-20198956	←
AV JACK P.W.B	VE-20195942	←
HEADPHONE JACK P.W.B	VE-20177874	←
LED P.W.B	VE-20194768	←
REMOTE CONTROL UNIT	VE-30039453	←

EXPLODED VIEW PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
△	1	VE-20199491	FRONT PANEL		
△	2	VE-40024207	LENS		
	3	VE-30018628	SPEAKER	4R 3.5W (x4)	
	4	VE-20181267	LOGO JVC		
	5	VE-35011433	METAL HINGE BRACKET		
	6	VE-20197265	FOOT SUPPORT		
	7	VE-20197266	HINGE COVER		
	8	VE-45004767	METAL HING		
	9	VE-40024515	FOOT RUBBER		
	10	VE-35011435	FOOT		
	11	VE-35011436	FOOT HINGE		
	12	VE-35012930	METAL HANG		
	13	VE-20199486	FAV BRACKET		
	14	VE-20182421	FUNCTION BUTTON		
△	15	VE-20199493	BACK COVER		
△	16	VE-20199496	SOCKET DOOR		
△	17	VE-20199495	SIDE DOOR		
△	18	VE-20206477	LABEL		LT-17B60SJ
△	18	VE-20208489	LABEL	LT-17B60SU	LT-17B60SU
	19	VE-35008081	SCREW (M4X14)		
△	20	VE-30033864	LCD PANEL UNIT		
	21	VE-35013202	FRAME		
△	22	VE-30030582	6CCFL INVERTER UNIT		
	23	VE-20195291	SOCKET BRACKET		
△	24	VE-35006737	SCREW (M4X10)	For METAL HINGE	
△	25	VE-35006737	SCREW (M4X10)	For FOOT	
△	100	VE-20199500	MAIN PWB		
△	101	VE-20198956	SIDE CONTROL PWB		
△	102	VE-20195942	AV JACK PWB		
△	103	VE-20177874	HEADPHONE JACK PWB		
△	104	VE-20194768	LED PWB		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC10	VE-30001670	PREAMPLIFIER TFMS5360		D105	VE-30007169	DIODE	
IC100	VE-30020865	IC		D107	VE-30007169	DIODE	
IC101	VE-30032066	IC		D108	VE-30025773	Z DIODE	
IC102	VE-30018006	IC		D109	VE-30025773	Z DIODE	
IC104	VE-30019132	IC		D111	VE-30007169	DIODE	
IC105	VE-30034805	IC		D112	VE-30007169	DIODE	
IC106	VE-30017956	IC		D114	VE-30007763	Z DIODE	
IC300	VE-30018652	IC		D300	VE-30012412	Z DIODE	
IC301	VE-20172473	IC(MICOM)	(SERVICE)	D301	VE-30001285	DIODE	
IC302	VE-20191738	IC(MEMORY)	(SERVICE)	D302	VE-30001285	DIODE	
IC400	VE-30015059	IC		D305	VE-30001285	DIODE	
IC402	VE-30004999	IC		D306	VE-30001285	DIODE	
IC403	VE-30019372	IC		D307	VE-30001285	DIODE	
IC500	VE-30021083	IC		D500	VE-30001285	DIODE	
IC600	VE-30013686	IC		D501	VE-30012411	DIODE	
IC700	VE-30018263	IC		D600	VE-30007760	Z DIODE	
IC701	VE-30010024	IC		D700	VE-30007761	Z DIODE	
IC702	VE-30027663	IC		D701	VE-30001285	DIODE	
IC705	VE-30010822	IC		D702	VE-30001285	DIODE	
IC800	VE-30040058	IC		D703	VE-30001285	DIODE	
IC901	VE-30027613	IC		D704	VE-30007760	Z DIODE	
IC902	VE-30014344	TRANSISTOR		D706	VE-30007760	Z DIODE	
IC904	VE-30027612	IC		D707	VE-30007760	Z DIODE	
IC906	VE-30018326	IC		D708	VE-30007760	Z DIODE	
IC908	VE-30014344	TRANSISTOR		D709	VE-30007760	Z DIODE	
IC909	VE-30007739	IC		D710	VE-30007760	Z DIODE	
IC910	VE-30007739	IC		D711	VE-30003720	Z DIODE	
Q100	VE-30001457	TRANSISTOR		D712	VE-30003720	Z DIODE	
Q101	VE-30034725	TRANSISTOR		D713	VE-30003720	Z DIODE	
Q103	VE-30001457	TRANSISTOR		D714	VE-30003720	Z DIODE	
Q104	VE-30001457	TRANSISTOR		D715	VE-30007760	Z DIODE	
Q105	VE-30001457	TRANSISTOR		D716	VE-30003720	Z DIODE	
Q300	VE-30001458	TRANSISTOR		D717	VE-30003720	Z DIODE	
Q301	VE-30001457	TRANSISTOR		D719	VE-30001285	DIODE	
Q302	VE-30001457	TRANSISTOR		D723	VE-30018574	DIODE	
Q303	VE-30001457	TRANSISTOR		D726	VE-30009699	Z DIODE	
Q304	VE-30001457	TRANSISTOR		D900	VE-30001313	DIODE	
Q305	VE-30001457	TRANSISTOR		D902	VE-30001285	DIODE	
Q306	VE-30001457	TRANSISTOR		D903	VE-30001343	Z DIODE	
Q307	VE-30001457	TRANSISTOR		D904	VE-30001313	DIODE	
Q308	VE-30001458	TRANSISTOR		D905	VE-30001285	DIODE	
Q309	VE-30001457	TRANSISTOR		D906	VE-30001285	DIODE	
Q310	VE-30001458	TRANSISTOR		C10	VE-30000371	CAPACITOR EL	22uF 50V M
Q311	VE-30001423	TRANSISTOR		C100	VE-30012589	CAPACITOR	4.7nF 50V K
Q312	VE-30001458	TRANSISTOR		C100	VE-30012566	CAPACITOR	22pF 50V J
Q313	VE-30001457	TRANSISTOR		C101	VE-30012589	CAPACITOR	4.7nF 50V K
Q314	VE-30001457	TRANSISTOR		C101	VE-30012566	CAPACITOR	22pF 50V J
Q315	VE-30001457	TRANSISTOR		C102	VE-30000190	C CAPACITOR	100pF 50V J CH
Q316	VE-30001457	TRANSISTOR		C102	VE-30016654	CAPACITOR	100nF 16V K R
Q317	VE-30001457	TRANSISTOR		C103	VE-30000190	C CAPACITOR	100pF 50V J CH
Q318	VE-30001458	TRANSISTOR		C104	VE-30000190	C CAPACITOR	100pF 50V J CH
Q319	VE-30001458	TRANSISTOR		C104	VE-30016654	CAPACITOR	100nF 16V K R
Q400	VE-30001457	TRANSISTOR		C105	VE-30000190	C CAPACITOR	100pF 50V J CH
Q501	VE-30001457	TRANSISTOR		C105	VE-30016654	CAPACITOR	100nF 16V K R
Q502	VE-30001457	TRANSISTOR		C106	VE-30016654	CAPACITOR	100nF 16V K R
Q600	VE-30001457	TRANSISTOR		C107	VE-30016654	CAPACITOR	100nF 16V K R
Q601	VE-30001457	TRANSISTOR		C108	VE-30012582	CAPACITOR	10nF 50V K R
Q602	VE-30001457	TRANSISTOR		C109	VE-30012582	CAPACITOR	10nF 50V K R
Q603	VE-30001457	TRANSISTOR		C110	VE-30012582	CAPACITOR	10nF 50V K R
Q700	VE-30001458	TRANSISTOR		C111	VE-30012582	CAPACITOR	10nF 50V K R
Q701	VE-30001457	TRANSISTOR		C112	VE-30016654	CAPACITOR	100nF 16V K R
Q702	VE-30001457	TRANSISTOR		C113	VE-30012582	CAPACITOR	10nF 50V K R
Q703	VE-30001457	TRANSISTOR		C114	VE-30016654	CAPACITOR	100nF 16V K R
Q704	VE-30001457	TRANSISTOR		C115	VE-30000371	CAPACITOR EL	22uF 50V M
Q705	VE-30001457	TRANSISTOR		C116	VE-30012590	CAPACITOR	47nF 50V K
Q706	VE-30001457	TRANSISTOR		C117	VE-30012590	CAPACITOR	47nF 50V K
Q708	VE-30001458	TRANSISTOR		C118	VE-30012590	CAPACITOR	47nF 50V K
Q709	VE-30001457	TRANSISTOR		C120	VE-30016654	CAPACITOR	100nF 16V K R
Q900	VE-30001457	TRANSISTOR		C121	VE-30016654	CAPACITOR	100nF 16V K R
Q901	VE-30001457	TRANSISTOR		C122	VE-30016654	CAPACITOR	100nF 16V K R
Q902	VE-30001454	TRANSISTOR		C123	VE-30016654	CAPACITOR	100nF 16V K R
Q904	VE-30001457	TRANSISTOR		C124	VE-30016654	CAPACITOR	100nF 16V K R
Q905	VE-30001457	TRANSISTOR		C125	VE-30016654	CAPACITOR	100nF 16V K R
Q906	VE-30001457	TRANSISTOR		C126	VE-30016654	CAPACITOR	100nF 16V K R
Q907	VE-30001457	TRANSISTOR		C127	VE-30016654	CAPACITOR	100nF 16V K R
				C128	VE-30016654	CAPACITOR	100nF 16V K R
				C129	VE-30016654	CAPACITOR	100nF 16V K R
				C130	VE-30016654	CAPACITOR	100nF 16V K R
D1	VE-30016020	Z DIODE		C131	VE-30016654	CAPACITOR	100nF 16V K R
D10	VE-30001279	LED	RED/GREEN LTL293SJ	C132	VE-30012581	CAPACITOR	1nF 50V K R
D100	VE-30001285	DIODE		C133	VE-30012587	CAPACITOR	3.3nF 50V K
D101	VE-30001285	DIODE		C134	VE-30012605	CAPACITOR	39nF 50V M
D103	VE-30007169	DIODE		C136	VE-30016654	CAPACITOR	100nF 16V K R

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C137	VE-30016654	CAPACITOR	100nF 16V K R	C408	VE-30012572	CAPACITOR	390pF 50V J
C138	VE-30000371	CAPACITOR EL	22uF 50V M	C409	VE-30000345	E CAPACITOR	10uF 50V M
C139	VE-30000371	CAPACITOR EL	22uF 50V M	C410	VE-30012590	CAPACITOR	47nF 50V K
C146	VE-30000109	CAPACITOR MKT	470nF 63V J	C411	VE-30000068	CAPACITOR MKT	1nF 63V K
C147	VE-30016654	CAPACITOR	100nF 16V K R	C412	VE-30007082	CAPACITOR MKT	680nF 63V J
C148	VE-30012575	CAPACITOR	4.7pF 50V C CH	C413	VE-30007082	CAPACITOR MKT	680nF 63V J
C149	VE-30012575	CAPACITOR	4.7pF 50V C CH	C414	VE-30012582	CAPACITOR	10nF 50V K R
C150	VE-30016654	CAPACITOR	100nF 16V K R	C415	VE-30000345	E CAPACITOR	10uF 50V M
C151	VE-30016654	CAPACITOR	100nF 16V K R	C416	VE-30012590	CAPACITOR	47nF 50V K
C152	VE-30016654	CAPACITOR	100nF 16V K R	C420	VE-30000294	CAPACITOR	100nF 50V K
C153	VE-30012567	CAPACITOR	220pF 50V J	C421	VE-30000294	CAPACITOR	100nF 50V K
C154	VE-30012567	CAPACITOR	220pF 50V J	C422	VE-30000294	CAPACITOR	100nF 50V K
C155	VE-30012567	CAPACITOR	220pF 50V J	C424	VE-30016654	CAPACITOR	100nF 16V K R
C156	VE-30000371	CAPACITOR EL	22uF 50V M	C425	VE-30000315	CAPACITOR	220nF 25V Z
C157	VE-30016654	CAPACITOR	100nF 16V K R	C426	VE-30012583	CAPACITOR	1.5nF 50V K
C158	VE-30012567	CAPACITOR	220pF 50V J	C427	VE-30012572	CAPACITOR	390pF 50V J
C159	VE-30016654	CAPACITOR	100nF 16V K R	C428	VE-30012590	CAPACITOR	47nF 50V K
C160	VE-30012567	CAPACITOR	220pF 50V J	C429	VE-30012583	CAPACITOR	1.5nF 50V K
C161	VE-30012567	CAPACITOR	220pF 50V J	C430	VE-30012609	CAPACITOR	68nF 50V K
C162	VE-30000371	CAPACITOR EL	22uF 50V M	C431	VE-30000315	CAPACITOR	220nF 25V Z
C163	VE-30016654	CAPACITOR	100nF 16V K R	C432	VE-30000315	CAPACITOR	220nF 25V Z
C164	VE-30012567	CAPACITOR	220pF 50V J	C433	VE-30000315	CAPACITOR	220nF 25V Z
C165	VE-30016654	CAPACITOR	100nF 16V K R	C434	VE-30012570	CAPACITOR	330pF 50V J
C166	VE-30012567	CAPACITOR	220pF 50V J	C435	VE-30012570	CAPACITOR	330pF 50V J
C167	VE-30016654	CAPACITOR	100nF 16V K R	C436	VE-30012570	CAPACITOR	330pF 50V J
C168	VE-30016654	CAPACITOR	100nF 16V K R	C437	VE-30007082	CAPACITOR MKT	680nF 63V J
C169	VE-30012567	CAPACITOR	220pF 50V J	C438	VE-30000371	CAPACITOR EL	22uF 50V M
C170	VE-30012567	CAPACITOR	220pF 50V J	C439	VE-30012609	CAPACITOR	68nF 50V K
C171	VE-30016654	CAPACITOR	100nF 16V K R	C440	VE-30000352	E CAPACITOR	100uF 16V M
C172	VE-30012567	CAPACITOR	220pF 50V J	C441	VE-30016654	CAPACITOR	100nF 16V K R
C174	VE-30016654	CAPACITOR	100nF 16V K R	C442	VE-30012569	CAPACITOR	33pF 50V J
C175	VE-30012567	CAPACITOR	220pF 50V J	C443	VE-30016654	CAPACITOR	100nF 16V K R
C176	VE-30016654	CAPACITOR	100nF 16V K R	C485	VE-30016654	CAPACITOR	100nF 16V K R
C177	VE-30000371	CAPACITOR EL	22uF 50V M	C486	VE-30016654	CAPACITOR	100nF 16V K R
C178	VE-30016654	CAPACITOR	100nF 16V K R	C487	VE-30016654	CAPACITOR	100nF 16V K R
C183	VE-30016654	CAPACITOR	100nF 16V K R	C488	VE-30016654	CAPACITOR	100nF 16V K R
C185	VE-30000352	E CAPACITOR	100uF 16V M	C489	VE-30016654	CAPACITOR	100nF 16V K R
C187	VE-30012573	CAPACITOR	47pF 50V J	C490	VE-30016654	CAPACITOR	100nF 16V K R
C189	VE-30016654	CAPACITOR	100nF 16V K R	C491	VE-30016654	CAPACITOR	100nF 16V K R
C217	VE-30012581	CAPACITOR	1nF 50V K R	C492	VE-30000345	E CAPACITOR	10uF 50V M
C218	VE-30012575	CAPACITOR	4.7pF 50V C CH	C493	VE-30000294	CAPACITOR	100nF 50V K
C219	VE-30000392	E CAPACITOR	0.33uF 50V M	C494	VE-30012569	CAPACITOR	33pF 50V J
C300	VE-30000352	E CAPACITOR	100uF 16V M	C495	VE-30012569	CAPACITOR	33pF 50V J
C301	VE-30016654	CAPACITOR	100nF 16V K R	C496	VE-30012569	CAPACITOR	33pF 50V J
C302	VE-30000371	CAPACITOR EL	22uF 50V M	C502	VE-30016654	CAPACITOR	100nF 16V K R
C303	VE-30016654	CAPACITOR	100nF 16V K R	C503	VE-30000345	E CAPACITOR	10uF 50V M
C304	VE-30016654	CAPACITOR	100nF 16V K R	C505	VE-30000400	E CAPACITOR	47uF 50V M
C305	VE-30000371	CAPACITOR EL	22uF 50V M	C506	VE-30012582	CAPACITOR	10nF 50V K R
C306	VE-30016654	CAPACITOR	100nF 16V K R	C507	VE-30012572	CAPACITOR	390pF 50V J
C307	VE-30016654	CAPACITOR	100nF 16V K R	C508	VE-30000109	CAPACITOR MKT	470nF 63V J
C308	VE-30000371	CAPACITOR EL	22uF 50V M	C509	VE-30012582	CAPACITOR	10nF 50V K R
C309	VE-30016654	CAPACITOR	100nF 16V K R	C510	VE-30012566	CAPACITOR	22pF 50V J
C310	VE-30016654	CAPACITOR	100nF 16V K R	C511	VE-30000109	CAPACITOR MKT	470nF 63V J
C311	VE-30016654	CAPACITOR	100nF 16V K R	C512	VE-30016654	CAPACITOR	100nF 16V K R
C312	VE-30016654	CAPACITOR	100nF 16V K R	C513	VE-30012583	CAPACITOR	1.5nF 50V K
C313	VE-30016654	CAPACITOR	100nF 16V K R	C514	VE-30016654	CAPACITOR	100nF 16V K R
C314	VE-30000109	CAPACITOR MKT	470nF 63V J	C515	VE-30016654	CAPACITOR	100nF 16V K R
C315	VE-30016654	CAPACITOR	100nF 16V K R	C517	VE-30012569	CAPACITOR	33pF 50V J
C316	VE-30000352	E CAPACITOR	100uF 16V M	C519	VE-30016654	CAPACITOR	100nF 16V K R
C317	VE-30012569	CAPACITOR	33pF 50V J	C520	VE-30012582	CAPACITOR	10nF 50V K R
C318	VE-30012569	CAPACITOR	33pF 50V J	C522	VE-30000315	CAPACITOR	220nF 25V Z
C319	VE-30000371	CAPACITOR EL	22uF 50V M	C523	VE-30000371	CAPACITOR EL	22uF 50V M
C320	VE-30016654	CAPACITOR	100nF 16V K R	C524	VE-30016654	CAPACITOR	100nF 16V K R
C321	VE-30016654	CAPACITOR	100nF 16V K R	C525	VE-30000407	E CAPACITOR	470uF 16V M
C324	VE-30000371	CAPACITOR EL	22uF 50V M	C526	VE-30016654	CAPACITOR	100nF 16V K R
C325	VE-30012611	CAPACITOR	120pF 50V J	C527	VE-30000345	E CAPACITOR	10uF 50V M
C326	VE-30012576	CAPACITOR	56pF 50V J CH	C600	VE-30000352	E CAPACITOR	100uF 16V M
C327	VE-30016654	CAPACITOR	100nF 16V K R	C601	VE-30000074	CAPACITOR MKT	100nF 63V J
C328	VE-30000393	E CAPACITOR	3.3uF 50V M	C602	VE-30000074	CAPACITOR MKT	100nF 63V J
C331	VE-30012607	CAPACITOR	150pF 50V J	C603	VE-30000074	CAPACITOR MKT	100nF 63V J
C332	VE-30016654	CAPACITOR	100nF 16V K R	C604	VE-30016654	CAPACITOR	100nF 16V K R
C333	VE-30016654	CAPACITOR	100nF 16V K R	C605	VE-30016654	CAPACITOR	100nF 16V K R
C334	VE-30000354	E CAPACITOR	100uF 35V M	C606	VE-30000074	CAPACITOR MKT	100nF 63V J
C335	VE-30016654	CAPACITOR	100nF 16V K R	C607	VE-30012569	CAPACITOR	33pF 50V J
C336	VE-30012611	CAPACITOR	120pF 50V J	C608	VE-30016654	CAPACITOR	100nF 16V K R
C337	VE-30016654	CAPACITOR	100nF 16V K R	C609	VE-30016654	CAPACITOR	100nF 16V K R
C338	VE-30016654	CAPACITOR	100nF 16V K R	C610	VE-30016654	CAPACITOR	100nF 16V K R
C339	VE-30016654	CAPACITOR	100nF 16V K R	C611	VE-30016654	CAPACITOR	100nF 16V K R
C340	VE-30020694	CAPACITOR	1uF 16V Z Y5V	C612	VE-30016654	CAPACITOR	100nF 16V K R
C400	VE-30012609	CAPACITOR	68nF 50V K	C613	VE-30016654	CAPACITOR	100nF 16V K R
C401	VE-30012583	CAPACITOR	1.5nF 50V K	C614	VE-30016654	CAPACITOR	100nF 16V K R
C402	VE-30012590	CAPACITOR	47nF 50V K	C700	VE-30016654	CAPACITOR	100nF 16V K R
C403	VE-30016654	CAPACITOR	100nF 16V K R	C701	VE-30012587	CAPACITOR	3.3nF 50V K
C404	VE-30012613	CAPACITOR	3.3pF 50V C CH	C702	VE-30000352	E CAPACITOR	100uF 16V M
C405	VE-30012613	CAPACITOR	3.3pF 50V C CH	C703	VE-30012587	CAPACITOR	3.3nF 50V K
C406	VE-30000315	CAPACITOR	220nF 25V Z	C704	VE-30012589	CAPACITOR	4.7nF 50V K
C407	VE-30012583	CAPACITOR	1.5nF 50V K	C705	VE-30012589	CAPACITOR	4.7nF 50V K

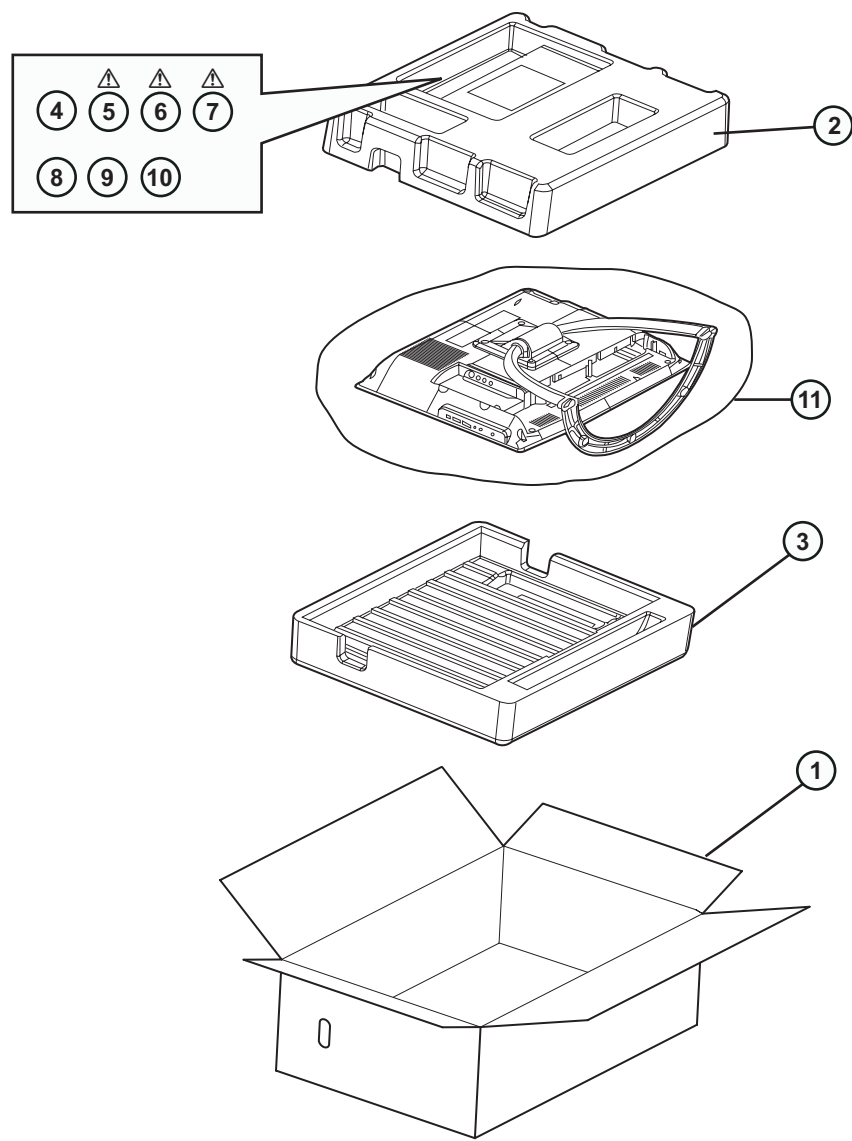
△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C706	VE-30012589	CAPACITOR	4.7nF 50V K	C793	VE-30012582	CAPACITOR	10nF 50V K R
C707	VE-30012589	CAPACITOR	4.7nF 50V K	C794	VE-30012582	CAPACITOR	10nF 50V K R
C708	VE-30016654	CAPACITOR	100nF 16V K R	C795	VE-30012581	CAPACITOR	1nF 50V K R
C709	VE-30000315	CAPACITOR	220nF 25V Z	C796	VE-30012581	CAPACITOR	1nF 50V K R
C710	VE-30000315	CAPACITOR	220nF 25V Z	C797	VE-30000294	CAPACITOR	100nF 50V K
C711	VE-30000315	CAPACITOR	220nF 25V Z	C798	VE-30012574	CAPACITOR	470pF 50V J
C712	VE-30000315	CAPACITOR	220nF 25V Z	C799	VE-30012567	CAPACITOR	220pF 50V J
C713	VE-30012576	CAPACITOR	56pF 50V J CH	C801	VE-30000294	CAPACITOR	100nF 50V K
C714	VE-30016654	CAPACITOR	100nF 16V K R	C802	VE-30000294	CAPACITOR	100nF 50V K
C715	VE-30000393	E CAPACITOR	3.3uF 50V M	C803	VE-30000345	E CAPACITOR	10uF 50V M
C716	VE-30000345	E CAPACITOR	10uF 50V M	C804	VE-30016654	CAPACITOR	100nF 16V K R
C717	VE-30000345	E CAPACITOR	10uF 50V M	C805	VE-30012581	CAPACITOR	1nF 50V K R
C718	VE-30000345	E CAPACITOR	10uF 50V M	C806	VE-30000354	E CAPACITOR	100uF 35V M
C719	VE-30012581	CAPACITOR	1nF 50V K R	C807	VE-30012574	CAPACITOR	470pF 50V J
C720	VE-30012581	CAPACITOR	1nF 50V K R	C808	VE-30016654	CAPACITOR	100nF 16V K R
C721	VE-30012565	CAPACITOR	1.8pF 50V J CH	C810	VE-30012582	CAPACITOR	10nF 50V K R
C722	VE-30012565	CAPACITOR	1.8pF 50V J CH	C811	VE-30016654	CAPACITOR	100nF 16V K R
C723	VE-30012581	CAPACITOR	1nF 50V K R	C812	VE-30000315	CAPACITOR	220nF 25V Z
C724	VE-30012581	CAPACITOR	1nF 50V K R	C814	VE-30016654	CAPACITOR	100nF 16V K R
C725	VE-30012585	CAPACITOR	2.2nF 50V K R	C815	VE-30012582	CAPACITOR	10nF 50V K R
C726	VE-30012576	CAPACITOR	56pF 50V J CH	C816	VE-30012582	CAPACITOR	10nF 50V K R
C727	VE-30016654	CAPACITOR	100nF 16V K R	C817	VE-30016654	CAPACITOR	100nF 16V K R
C728	VE-30016654	CAPACITOR	100nF 16V K R	C818	VE-30016654	CAPACITOR	100nF 16V K R
C729	VE-30012585	CAPACITOR	2.2nF 50V K R	C820	VE-30000315	CAPACITOR	220nF 25V Z
C730	VE-30012607	CAPACITOR	150pF 50V J	C823	VE-30012560	CAPACITOR	100pF 50V J
C731	VE-30012607	CAPACITOR	150pF 50V J	C824	VE-30012560	CAPACITOR	100pF 50V J
C732	VE-30000315	CAPACITOR	220nF 25V Z	C825	VE-30012581	CAPACITOR	1nF 50V K R
C733	VE-30000315	CAPACITOR	220nF 25V Z	C827	VE-30000352	E CAPACITOR	100uF 16V M
C734	VE-30016654	CAPACITOR	100nF 16V K R	C828	VE-30016654	CAPACITOR	100nF 16V K R
C735	VE-30012568	CAPACITOR	270pF 50V J	C829	VE-30012582	CAPACITOR	10nF 50V K R
C736	VE-30000352	E CAPACITOR	100uF 16V M	C830	VE-30016654	CAPACITOR	100nF 16V K R
C737	VE-30012589	CAPACITOR	4.7nF 50V K	C831	VE-30000371	CAPACITOR EL	22uF 50V M
C738	VE-30000352	E CAPACITOR	100uF 16V M	C832	VE-30012562	CAPACITOR	15pF 50V J
C739	VE-30000362	E CAPACITOR	1uF 50V M	C833	VE-30016654	CAPACITOR	100nF 16V K R
C740	VE-30012568	CAPACITOR	270pF 50V J	C834	VE-30020694	CAPACITOR	1uF 16V Z Y5V
C741	VE-30012589	CAPACITOR	4.7nF 50V K	C835	VE-30020694	CAPACITOR	1uF 16V Z Y5V
C742	VE-30000371	CAPACITOR EL	22uF 50V M	C837	VE-30020694	CAPACITOR	1uF 16V Z Y5V
C743	VE-30000371	CAPACITOR EL	22uF 50V M	C839	VE-30020694	CAPACITOR	1uF 16V Z Y5V
C744	VE-30000371	CAPACITOR EL	22uF 50V M	C840	VE-30020694	CAPACITOR	1uF 16V Z Y5V
C745	VE-30000371	CAPACITOR EL	22uF 50V M	C846	VE-30000407	E CAPACITOR	470uF 16V M
C746	VE-30012567	CAPACITOR	220pF 50V J	C849	VE-30012574	CAPACITOR	470pF 50V J
C747	VE-30012574	CAPACITOR	470pF 50V J	C851	VE-30012574	CAPACITOR	470pF 50V J
C748	VE-30012582	CAPACITOR	10nF 50V K R	C852	VE-30012574	CAPACITOR	470pF 50V J
C749	VE-30016654	CAPACITOR	100nF 16V K R	C853	VE-30012574	CAPACITOR	470pF 50V J
C750	VE-30012576	CAPACITOR	56pF 50V J CH	C861	VE-30020694	CAPACITOR	1uF 16V Z Y5V
C751	VE-30000407	E CAPACITOR	470uF 16V M	C862	VE-30016654	CAPACITOR	100nF 16V K R
C752	VE-30012585	CAPACITOR	2.2nF 50V K R	C900	VE-30000354	E CAPACITOR	100uF 35V M
C753	VE-30012585	CAPACITOR	2.2nF 50V K R	C903	VE-30000354	E CAPACITOR	100uF 35V M
C754	VE-30012578	CAPACITOR	68pF 50V J	C904	VE-30012582	CAPACITOR	10nF 50V K R
C755	VE-30012578	CAPACITOR	68pF 50V J	C907	VE-30000294	CAPACITOR	100nF 50V K
C756	VE-30012585	CAPACITOR	2.2nF 50V K R	C908	VE-30000359	E CAPACITOR	1000uF 16V M
C757	VE-30012585	CAPACITOR	2.2nF 50V K R	C909	VE-30016654	CAPACITOR	100nF 16V K R
C758	VE-30000315	CAPACITOR	220nF 25V Z	C910	VE-30000354	E CAPACITOR	100uF 35V M
C759	VE-30000315	CAPACITOR	220nF 25V Z	C911	VE-30012582	CAPACITOR	10nF 50V K R
C760	VE-30012581	CAPACITOR	1nF 50V K R	C912	VE-30000359	E CAPACITOR	1000uF 16V M
C761	VE-30012581	CAPACITOR	1nF 50V K R	C913	VE-30016654	CAPACITOR	100nF 16V K R
C762	VE-30012589	CAPACITOR	4.7nF 50V K	C915	VE-30016654	CAPACITOR	100nF 16V K R
C763	VE-30012589	CAPACITOR	4.7nF 50V K	C916	VE-30016654	CAPACITOR	100nF 16V K R
C764	VE-30012589	CAPACITOR	4.7nF 50V K	C917	VE-30000371	CAPACITOR EL	22uF 50V M
C765	VE-30012589	CAPACITOR	4.7nF 50V K	C918	VE-30000371	CAPACITOR EL	22uF 50V M
C766	VE-30016654	CAPACITOR	100nF 16V K R	C919	VE-30016654	CAPACITOR	100nF 16V K R
C767	VE-30012607	CAPACITOR	150pF 50V J	C924	VE-30012576	CAPACITOR	56pF 50V J CH
C768	VE-30012607	CAPACITOR	150pF 50V J	C925	VE-30012560	CAPACITOR	100pF 50V J
C769	VE-30000371	CAPACITOR EL	22uF 50V M	C926	VE-30000371	CAPACITOR EL	22uF 50V M
C770	VE-30000371	CAPACITOR EL	22uF 50V M	C927	VE-30000294	CAPACITOR	100nF 50V K
C771	VE-30000315	CAPACITOR	220nF 25V Z	C928	VE-30000345	E CAPACITOR	10uF 50V M
C772	VE-30012581	CAPACITOR	1nF 50V K R	C929	VE-30000294	CAPACITOR	100nF 50V K
C773	VE-30000315	CAPACITOR	220nF 25V Z	C930	VE-30000371	CAPACITOR EL	22uF 50V M
C774	VE-30012581	CAPACITOR	1nF 50V K R	C932	VE-30000294	CAPACITOR	100nF 50V K
C775	VE-30000345	E CAPACITOR	10uF 50V M	C933	VE-30000294	CAPACITOR	100nF 50V K
C776	VE-30000294	CAPACITOR	100nF 50V K	C934	VE-30031594	E CAPACITOR	2200uF 10V M 10X20 LL
C777	VE-30000294	CAPACITOR	100nF 50V K	C935	VE-30016654	CAPACITOR	100nF 16V K R
C778	VE-30000294	CAPACITOR	100nF 50V K	C936	VE-30016654	CAPACITOR	100nF 16V K R
C779	VE-30012567	CAPACITOR	220pF 50V J	C937	VE-30000371	CAPACITOR EL	22uF 50V M
C780	VE-30012582	CAPACITOR	10nF 50V K R	C938	VE-30000352	E CAPACITOR	100uF 16V M
C781	VE-30012582	CAPACITOR	10nF 50V K R	C941	VE-30000294	CAPACITOR	100nF 50V K
C782	VE-30000294	CAPACITOR	100nF 50V K				
C783	VE-30000294	CAPACITOR	100nF 50V K	R1	VE-30000459	RESISTOR CF	1/4W 100R J
C784	VE-30000345	E CAPACITOR	10uF 50V M	R1	VE-30000689	RESISTOR CF	1/4W 3.9K J
C785	VE-30012581	CAPACITOR	1nF 50V K R	R2	VE-30000526	RESISTOR CF	1/4W 1.5K J
C786	VE-30012581	CAPACITOR	1nF 50V K R	R3	VE-30000770	RESISTOR CF	1/4W 680R J
C787	VE-30020694	CAPACITOR	1uF 16V Z Y5V	R4	VE-30000712	RESISTOR CF	1/4W 470R J
C788	VE-30020694	CAPACITOR	1uF 16V Z Y5V	R5	VE-30000622	RESISTOR CF	1/4W 270R J
C789	VE-30020694	CAPACITOR	1uF 16V Z Y5V	R100	VE-30014128	RESISTOR	1/16W 33R J
C790	VE-30020694	CAPACITOR	1uF 16V Z Y5V	R100	VE-30012713	RESISTOR	1/16W 75R J
C791	VE-30020694	CAPACITOR	1uF 16V Z Y5V	R101	VE-30014128	RESISTOR	1/16W 33R J
C792	VE-30000294	CAPACITOR	100nF 50V K	R101	VE-30012713	RESISTOR	1/16W 75R J

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R102	VE-30012641	RESISTOR	1/16W 10K J		R315	VE-30012692	RESISTOR	1/16W 4.7K J	
R102	VE-30012713	RESISTOR	1/16W 75R J		R316	VE-30012679	RESISTOR	1/16W 3.9K J	
R103	VE-30012641	RESISTOR	1/16W 10K J		R317	VE-30012650	RESISTOR	1/16W 15K J	
R103	VE-30012713	RESISTOR	1/16W 75R J		R318	VE-30012659	RESISTOR	1/16W 2.2K J	
R104	VE-30000594	RESISTOR CF	1/4W 22K J		R319	VE-30012692	RESISTOR	1/16W 4.7K J	
R104	VE-30012713	RESISTOR	1/16W 75R J		R320	VE-30012659	RESISTOR	1/16W 2.2K J	
R105	VE-30000712	RESISTOR CF	1/4W 470R J		R321	VE-30012692	RESISTOR	1/16W 4.7K J	
R105	VE-30012641	RESISTOR	1/16W 10K J		R322	VE-30012695	RESISTOR	1/16W 470R J	
R106	VE-30000594	RESISTOR CF	1/4W 22K J		R323	VE-30012987	RESISTOR	1/16W 56R J	
R106	VE-30012641	RESISTOR	1/16W 10K J		R324	VE-30012692	RESISTOR	1/16W 4.7K J	
R107	VE-30000712	RESISTOR CF	1/4W 470R J		R325	VE-30012695	RESISTOR	1/16W 470R J	
R107	VE-30012510	RESISTOR	1/16W 100R J		R326	VE-30012695	RESISTOR	1/16W 470R J	
R108	VE-30000650	RESISTOR CF	1/4W 33R J		R327	VE-30012695	RESISTOR	1/16W 470R J	
R108	VE-30012510	RESISTOR	1/16W 100R J		R328	VE-30012685	RESISTOR	1/16W 33K J	
R109	VE-30000650	RESISTOR CF	1/4W 33R J		R329	VE-30012685	RESISTOR	1/16W 33K J	
R109	VE-30012692	RESISTOR	1/16W 4.7K J		R330	VE-30012685	RESISTOR	1/16W 33K J	
R110	VE-30012692	RESISTOR	1/16W 4.7K J		R331	VE-30012685	RESISTOR	1/16W 33K J	
R111	VE-30012510	RESISTOR	1/16W 100R J		R332	VE-30012510	RESISTOR	1/16W 100R J	
R121	VE-30012677	RESISTOR	1/16W 3.3K J		R333	VE-30012510	RESISTOR	1/16W 100R J	
R122	VE-30012510	RESISTOR	1/16W 100R J		R334	VE-30012705	RESISTOR	1/16W 6.8K J	
R123	VE-30012510	RESISTOR	1/16W 100R J		R335	VE-30012705	RESISTOR	1/16W 6.8K J	
R127	VE-30012641	RESISTOR	1/16W 10K J		R336	VE-30012692	RESISTOR	1/16W 4.7K J	
R128	VE-30012641	RESISTOR	1/16W 10K J		R337	VE-30012692	RESISTOR	1/16W 4.7K J	
R130	VE-30030692	FERRITE NET	120R/100MHz 150mA		R339	VE-30012509	RESISTOR	1/16W 100K J	
R131	VE-30030692	FERRITE NET	120R/100MHz 150mA		R340	VE-30012692	RESISTOR	1/16W 4.7K J	
R132	VE-30030692	FERRITE NET	120R/100MHz 150mA		R341	VE-30012644	RESISTOR	1/16W 120K J	
R133	VE-30030692	FERRITE NET	120R/100MHz 150mA		R342	VE-30012668	RESISTOR	1/16W 220R J	
R134	VE-30030692	FERRITE NET	120R/100MHz 150mA		R343	VE-30012668	RESISTOR	1/16W 220R J	
R135	VE-30030692	FERRITE NET	120R/100MHz 150mA		R344	VE-30012657	RESISTOR	1/16W 1K J	
R136	VE-30012506	RESISTOR	1/16W 1.5K J		R345	VE-30012669	RESISTOR	1/16W 22K J	
R137	VE-30012506	RESISTOR	1/16W 1.5K J		R346	VE-30012657	RESISTOR	1/16W 1K J	
R138	VE-30012506	RESISTOR	1/16W 1.5K J		R347	VE-30014022	RESISTOR	1/16W 47R J	
R139	VE-30012657	RESISTOR	1/16W 1K J		R348	VE-30012655	RESISTOR	1/16W 180R J	
R141	VE-30012641	RESISTOR	1/16W 10K J		R349	VE-30014022	RESISTOR	1/16W 47R J	
R142	VE-30012657	RESISTOR	1/16W 1K J		R350	VE-30012692	RESISTOR	1/16W 4.7K J	
R143	VE-30012657	RESISTOR	1/16W 1K J		R352	VE-30012669	RESISTOR	1/16W 22K J	
R145	VE-30012510	RESISTOR	1/16W 100R J		R353	VE-30012641	RESISTOR	1/16W 10K J	
R146	VE-30012510	RESISTOR	1/16W 100R J		R354	VE-30012692	RESISTOR	1/16W 4.7K J	
R147	VE-30012510	RESISTOR	1/16W 100R J		R355	VE-30012659	RESISTOR	1/16W 2.2K J	
R148	VE-30012510	RESISTOR	1/16W 100R J		R356	VE-30012669	RESISTOR	1/16W 22K J	
R149	VE-30012641	RESISTOR	1/16W 10K J		R357	VE-30012692	RESISTOR	1/16W 4.7K J	
R150	VE-30012657	RESISTOR	1/16W 1K J		R358	VE-30012695	RESISTOR	1/16W 470R J	
R151	VE-30012657	RESISTOR	1/16W 1K J		R359	VE-30012659	RESISTOR	1/16W 2.2K J	
R152	VE-30012655	RESISTOR	1/16W 180R J		R360	VE-30012506	RESISTOR	1/16W 1.5K J	
R156	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J		R361	VE-30012657	RESISTOR	1/16W 1K J	
R157	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J		R362	VE-30012982	RESISTOR	1/16W 10R J	
R158	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J		R363	VE-30012695	RESISTOR	1/16W 470R J	
R159	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J		R364	VE-30012695	RESISTOR	1/16W 470R J	
R160	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J		R368	VE-30012692	RESISTOR	1/16W 4.7K J	
R161	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J		R369	VE-30012692	RESISTOR	1/16W 4.7K J	
R162	VE-30012509	RESISTOR	1/16W 100K J		R370	VE-30012669	RESISTOR	1/16W 22K J	
R165	VE-30025836	FERRITE NET	240R/100MHz 150mA		R371	VE-30012657	RESISTOR	1/16W 1K J	
R166	VE-30025836	FERRITE NET	240R/100MHz 150mA		R372	VE-30014022	RESISTOR	1/16W 47R J	
R167	VE-30020529	FERRITE	120R/100MHz 200mA		R373	VE-30012655	RESISTOR	1/16W 180R J	
R168	VE-30012641	RESISTOR	1/16W 10K J		R374	VE-30012692	RESISTOR	1/16W 4.7K J	
R169	VE-30012641	RESISTOR	1/16W 10K J		R375	VE-30012684	RESISTOR	1/16W 330R J	
R170	VE-30012641	RESISTOR	1/16W 10K J		R376	VE-30012692	RESISTOR	1/16W 4.7K J	
R172	VE-30012641	RESISTOR	1/16W 10K J		R377	VE-30012684	RESISTOR	1/16W 330R J	
R173	VE-30012641	RESISTOR	1/16W 10K J		R378	VE-30012684	RESISTOR	1/16W 330R J	
R174	VE-30012641	RESISTOR	1/16W 10K J		R379	VE-30012510	RESISTOR	1/16W 100R J	
R175	VE-30012641	RESISTOR	1/16W 10K J		R380	VE-30012669	RESISTOR	1/16W 22K J	
R176	VE-30012641	RESISTOR	1/16W 10K J		R381	VE-30012657	RESISTOR	1/16W 1K J	
R177	VE-30012641	RESISTOR	1/16W 10K J		R382	VE-30012982	RESISTOR	1/16W 10R J	
R178	VE-30012641	RESISTOR	1/16W 10K J		R383	VE-30012650	RESISTOR	1/16W 15K J	
R179	VE-30012641	RESISTOR	1/16W 10K J		R384	VE-30012679	RESISTOR	1/16W 3.9K J	
R180	VE-30012641	RESISTOR	1/16W 10K J		R385	VE-30012692	RESISTOR	1/16W 4.7K J	
R181	VE-30012641	RESISTOR	1/16W 10K J		R386	VE-30012506	RESISTOR	1/16W 1.5K J	
R182	VE-30012641	RESISTOR	1/16W 10K J		R387	VE-30012506	RESISTOR	1/16W 1.5K J	
R183	VE-30012657	RESISTOR	1/16W 1K J		R388	VE-30012641	RESISTOR	1/16W 10K J	
R184	VE-30012657	RESISTOR	1/16W 1K J		R389	VE-30012641	RESISTOR	1/16W 10K J	
R185	VE-30012641	RESISTOR	1/16W 10K J		R390	VE-30012692	RESISTOR	1/16W 4.7K J	
R197	VE-30021996	RESISTOR	1/16W 10K J		R391	VE-30012696	RESISTOR	1/16W 47K J	
R300	VE-30012657	RESISTOR	1/16W 1K J		R392	VE-30012696	RESISTOR	1/16W 47K J	
R301	VE-30018409	RESISTOR SARRAY	1/16W 330R J		R393	VE-30012510	RESISTOR	1/16W 100R J	
R302	VE-30018409	RESISTOR SARRAY	1/16W 330R J		R394	VE-30012641	RESISTOR	1/16W 10K J	
R303	VE-30018409	RESISTOR SARRAY	1/16W 330R J		R395	VE-30012684	RESISTOR	1/16W 330R J	
R304	VE-30018409	RESISTOR SARRAY	1/16W 330R J		R396	VE-30012684	RESISTOR	1/16W 330R J	
R305	VE-30018409	RESISTOR SARRAY	1/16W 330R J		R399	VE-30012692	RESISTOR	1/16W 4.7K J	
R306	VE-30018409	RESISTOR SARRAY	1/16W 330R J		R400	VE-30012713	RESISTOR	1/16W 75R J	
R307	VE-30018409	RESISTOR SARRAY	1/16W 330R J		R401	VE-30012713	RESISTOR	1/16W 75R J	
R308	VE-30012657	RESISTOR	1/16W 1K J		R402	VE-30012713	RESISTOR	1/16W 75R J	
R309	VE-30012669	RESISTOR	1/16W 22K J		R404	VE-30012713	RESISTOR	1/16W 75R J	
R310	VE-30012510	RESISTOR	1/16W 100R J		R405	VE-30012713	RESISTOR	1/16W 75R J	
R311	VE-30012510	RESISTOR	1/16W 100R J		R406	VE-30012713	RESISTOR	1/16W 75R J	
R312	VE-30012510	RESISTOR	1/16W 100R J		R407	VE-30012510	RESISTOR	1/16W 100R J	
R313	VE-30012679	RESISTOR	1/16W 3.9K J		R408	VE-30012510	RESISTOR	1/16W 100R J	
R314	VE-30012679	RESISTOR	1/16W 3.9K J		R409	VE-30012713	RESISTOR	1/16W 75R J	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R410	VE-30012644	RESISTOR	1/16W 12K J	R701	VE-30012641	RESISTOR	1/16W 10K J
R411	VE-30012669	RESISTOR	1/16W 22K J	R702	VE-30012510	RESISTOR	1/16W 100R J
R412	VE-30014078	RESISTOR	1/16W 22R J	R703	VE-30012510	RESISTOR	1/16W 100R J
R413	VE-30012657	RESISTOR	1/16W 1K J	R704	VE-30012692	RESISTOR	1/16W 4.7K J
R414	VE-30012713	RESISTOR	1/16W 75R J	R705	VE-30012685	RESISTOR	1/16W 33K J
R415	VE-30012510	RESISTOR	1/16W 100R J	R706	VE-30012641	RESISTOR	1/16W 10K J
R416	VE-30018254	RESISTOR SARRAY	1/16W 10R J	R707	VE-30012685	RESISTOR	1/16W 33K J
R417	VE-30018254	RESISTOR SARRAY	1/16W 10R J	R708	VE-30012715	RESISTOR	1/16W 82K J
R425	VE-30012695	RESISTOR	1/16W 470R J	R709	VE-30012715	RESISTOR	1/16W 82K J
R426	VE-30012695	RESISTOR	1/16W 470R J	R710	VE-30012641	RESISTOR	1/16W 10K J
R427	VE-30012695	RESISTOR	1/16W 470R J	R711	VE-30012510	RESISTOR	1/16W 100R J
R431	VE-30012657	RESISTOR	1/16W 1K J	R712	VE-30012657	RESISTOR	1/16W 1K J
R432	VE-30012657	RESISTOR	1/16W 1K J	R713	VE-30012657	RESISTOR	1/16W 1K J
R434	VE-30012657	RESISTOR	1/16W 1K J	R714	VE-30012702	RESISTOR	1/16W 560R J
R437	VE-30012713	RESISTOR	1/16W 75R J	R715	VE-30012702	RESISTOR	1/16W 560R J
R438	VE-30012713	RESISTOR	1/16W 75R J	R716	VE-30012702	RESISTOR	1/16W 560R J
R439	VE-30012713	RESISTOR	1/16W 75R J	R717	VE-30012702	RESISTOR	1/16W 560R J
R440	VE-30012641	RESISTOR	1/16W 10K J	R718	VE-30012657	RESISTOR	1/16W 1K J
R441	VE-30012641	RESISTOR	1/16W 10K J	R719	VE-30012657	RESISTOR	1/16W 1K J
R442	VE-30012641	RESISTOR	1/16W 10K J	R720	VE-30023426	FIXED COIL	1.2uH KQ4550mA
R443	VE-30012641	RESISTOR	1/16W 10K J	R721	VE-30023426	FIXED COIL	1.2uH KQ4550mA
R450	VE-30012659	RESISTOR	1/16W 2.2K J	R722	VE-30023426	FIXED COIL	1.2uH KQ4550mA
R454	VE-30012692	RESISTOR	1/16W 4.7K J	R723	VE-30012713	RESISTOR	1/16W 75R J
R456	VE-30012510	RESISTOR	1/16W 100R J	R724	VE-30012713	RESISTOR	1/16W 75R J
R457	VE-30012510	RESISTOR	1/16W 100R J	R725	VE-30012713	RESISTOR	1/16W 75R J
R503	VE-30012510	RESISTOR	1/16W 100R J	R726	VE-30012657	RESISTOR	1/16W 1K J
R504	VE-30012510	RESISTOR	1/16W 100R J	R727	VE-30012657	RESISTOR	1/16W 1K J
R505	VE-30012510	RESISTOR	1/16W 100R J	R728	VE-30023426	FIXED COIL	1.2uH KQ4550mA
R506	VE-30012510	RESISTOR	1/16W 100R J	R729	VE-30012713	RESISTOR	1/16W 75R J
R507	VE-30012698	RESISTOR	1/16W 5.6K J	R730	VE-30023426	FIXED COIL	1.2uH KQ4550mA
R508	VE-30012510	RESISTOR	1/16W 100R J	R731	VE-30012713	RESISTOR	1/16W 75R J
R509	VE-30012641	RESISTOR	1/16W 10K J	R732	VE-30012713	RESISTOR	1/16W 75R J
R510	VE-30012644	RESISTOR	1/16W 12K J	R733	VE-30023426	FIXED COIL	1.2uH KQ4550mA
R511	VE-30012696	RESISTOR	1/16W 47K J	R734	VE-30012510	RESISTOR	1/16W 100R J
R512	VE-30012684	RESISTOR	1/16W 330R J	R735	VE-30012510	RESISTOR	1/16W 100R J
R513	VE-30012713	RESISTOR	1/16W 75R J	R736	VE-30012657	RESISTOR	1/16W 1K J
R514	VE-30012669	RESISTOR	1/16W 22K J	R737	VE-30012657	RESISTOR	1/16W 1K J
R515	VE-30012669	RESISTOR	1/16W 22K J	R738	VE-30012657	RESISTOR	1/16W 1K J
R516	VE-30012695	RESISTOR	1/16W 470R J	R739	VE-30012657	RESISTOR	1/16W 1K J
R517	VE-30012659	RESISTOR	1/16W 2.2K J	R740	VE-30000469	RESISTOR	1/10W 1K J
R518	VE-30012510	RESISTOR	1/16W 100R J	R741	VE-30000469	RESISTOR	1/10W 1K J
R522	VE-30012685	RESISTOR	1/16W 33K J	R742	VE-30012642	RESISTOR	1/16W 120K J
R523	VE-30012677	RESISTOR	1/16W 3.3K J	R743	VE-30012644	RESISTOR	1/16W 12K J
R524	VE-30012643	RESISTOR	1/16W 120R J	R744	VE-30012696	RESISTOR	1/16W 47K J
R525	VE-30012707	RESISTOR	1/16W 680R J	R745	VE-30024719	RESISTOR	1/16W 47K F
R527	VE-30012705	RESISTOR	1/16W 6.8K J	R746	VE-30024811	RESISTOR	1/16W 33K F
R528	VE-30012574	CAPACITOR	470pF 50V J	R747	VE-30012713	RESISTOR	1/16W 75R J
R529	VE-30012982	RESISTOR	1/16W 10R J	R748	VE-30012713	RESISTOR	1/16W 75R J
R530	VE-30014022	RESISTOR	1/16W 47R J	R749	VE-30012668	RESISTOR	1/16W 220R J
R531	VE-30012692	RESISTOR	1/16W 4.7K J	R751	VE-30012510	RESISTOR	1/16W 100R J
R600	VE-30012713	RESISTOR	1/16W 75R J	R752	VE-30012657	RESISTOR	1/16W 1K J
R601	VE-30012713	RESISTOR	1/16W 75R J	R753	VE-30012641	RESISTOR	1/16W 10K J
R602	VE-30012510	RESISTOR	1/16W 100R J	R754	VE-30012641	RESISTOR	1/16W 10K J
R603	VE-30012510	RESISTOR	1/16W 100R J	R756	VE-30012641	RESISTOR	1/16W 10K J
R604	VE-30012982	RESISTOR	1/16W 10R J	R757	VE-30012641	RESISTOR	1/16W 10K J
R605	VE-30012695	RESISTOR	1/16W 470R J	R759	VE-30012692	RESISTOR	1/16W 4.7K J
R606	VE-30012641	RESISTOR	1/16W 10K J	R760	VE-30012641	RESISTOR	1/16W 10K J
R607	VE-30012692	RESISTOR	1/16W 4.7K J	R763	VE-30012692	RESISTOR	1/16W 4.7K J
R608	VE-30012713	RESISTOR	1/16W 75R J	R765	VE-30012641	RESISTOR	1/16W 10K J
R609	VE-30012982	RESISTOR	1/16W 10R J	R770	VE-30012641	RESISTOR	1/16W 10K J
R610	VE-30012695	RESISTOR	1/16W 470R J	R771	VE-30012641	RESISTOR	1/16W 10K J
R611	VE-30012641	RESISTOR	1/16W 10K J	R778	VE-30012641	RESISTOR	1/16W 10K J
R612	VE-30012692	RESISTOR	1/16W 4.7K J	R779	VE-30012509	RESISTOR	1/16W 100K J
R613	VE-30012713	RESISTOR	1/16W 75R J	R780	VE-30012669	RESISTOR	1/16W 22K J
R614	VE-30000797	RESISTOR	1/10W 75R J	R800	VE-30012692	RESISTOR	1/16W 4.7K J
R615	VE-30012713	RESISTOR	1/16W 75R J	R901	VE-30012641	RESISTOR	1/16W 10K J
R617	VE-30012713	RESISTOR	1/16W 75R J	R902	VE-30012509	RESISTOR	1/16W 100K J
R618	VE-30012982	RESISTOR	1/16W 10R J	R903	VE-30012641	RESISTOR	1/16W 10K J
R619	VE-30012695	RESISTOR	1/16W 470R J	R904	VE-30012641	RESISTOR	1/16W 10K J
R620	VE-30012641	RESISTOR	1/16W 10K J	R905	VE-30012641	RESISTOR	1/16W 10K J
R621	VE-30012692	RESISTOR	1/16W 4.7K J	R906	VE-30012509	RESISTOR	1/16W 100K J
R622	VE-30012713	RESISTOR	1/16W 75R J	R907	VE-30012510	RESISTOR	1/16W 100R J
R623	VE-30012713	RESISTOR	1/16W 75R J	R908	VE-30012510	RESISTOR	1/16W 100R J
R625	VE-30012982	RESISTOR	1/16W 10R J	R909	VE-30012677	RESISTOR	1/16W 3.3K J
R626	VE-30012695	RESISTOR	1/16W 470R J	R910	VE-30012510	RESISTOR	1/16W 100R J
R627	VE-30012641	RESISTOR	1/16W 10K J	R911	VE-30012510	RESISTOR	1/16W 100R J
R628	VE-30012692	RESISTOR	1/16W 4.7K J	R912	VE-30012655	RESISTOR	1/16W 180R J
R629	VE-30012713	RESISTOR	1/16W 75R J	R913	VE-30012659	RESISTOR	1/16W 2.2K J
R630	VE-30000797	RESISTOR	1/10W 75R J	R915	VE-30012703	RESISTOR	1/16W 56K J
R631	VE-30012713	RESISTOR	1/16W 75R J	R916	VE-30000833	RESISTOR	1/10W 91R J
R632	VE-30012509	RESISTOR	1/16W 100K J	R917	VE-30000833	RESISTOR	1/10W 91R J
R633	VE-30012509	RESISTOR	1/16W 100K J	R918	VE-30012705	RESISTOR	1/16W 6.8K J
R634	VE-30012509	RESISTOR	1/16W 100K J	R919	VE-30000833	RESISTOR	1/10W 91R J
R635	VE-30012509	RESISTOR	1/16W 100K J	R920	VE-30000717	RESISTOR	1/10W 470R J
R636	VE-30012509	RESISTOR	1/16W 100K J	R921	VE-300006462	RESISTOR	1/10W 22R J
R637	VE-30012509	RESISTOR	1/16W 100K J	R922	VE-30012641	RESISTOR	1/16W 10K J
R700	VE-30012641	RESISTOR	1/16W 10K J	R923	VE-30012641	RESISTOR	1/16W 10K J

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R924	VE-30012641	RESISTOR	1/16W 10K J		JK101	VE-30001893	RCA JACK	1P YELLOW 28 FAV	
R925	VE-30012641	RESISTOR	1/16W 10K J		JK102	VE-30001891	RCA JACK	1P WHITE 28 FAV	
R926	VE-30012641	RESISTOR	1/16W 10K J		JK103	VE-30001892	RCA JACK	1P RED 28 FAV	
R927	VE-30012641	RESISTOR	1/16W 10K J		JK104	VE-30001895	JACK	4P DIN TYPE FOR SVHS	
R928	VE-30012641	RESISTOR	1/16W 10K J		JK700	VE-30001902	HEADPHONE JACK	STEREO WO/SW	
R929	VE-30012669	RESISTOR	1/16W 22K J		JK901	VE-30027932	DC POWER SOCKET 7.5A		
R930	VE-30012641	RESISTOR	1/16W 10K J		PL1	VE-30040290	CNAS 5P/250 FLT W/C+FER UL2468AWG24		
R931	VE-30012641	RESISTOR	1/16W 10K J		PL2	VE-30040411	CNAS 4P/300 FLT W/C+FER UL2547AWG24		
R933	VE-30012510	RESISTOR	1/16W 100R J		PL100	VE-30017312	CABL 1P/450 DIS UL1672AWG22		
R934	VE-30012510	RESISTOR	1/16W 100R J		PL101	VE-30032051	D SOCKET	D-SUB 15P FOR TFT	
R935	VE-30012659	RESISTOR	1/16W 2.2K J		PL102	VE-30024732	CONN HEADER	12P 2.0mm TOP	
L100	VE-30001996	FIXED COIL	22uH Q40 K		PL300	VE-30025777	CONN HEADER	5P 2.5MM TOP BLK SD	
L101	VE-30001996	FIXED COIL	22uH Q40 K		PL301	VE-30017953	CONN MALE	5P SIDE WHITE	
L101	VE-30001971	FERRITE	600R/100MHz 200mA		PL302	VE-30009477	CONN HEADER	4P 2.5MM SIDE WHT	
L102	VE-30001979	FIXED COIL	1uH Q45 M-A		PL306	VE-30021298	CONN MALE	12P MOLEX VERTICAL	
L103	VE-30001979	FIXED COIL	1uH Q45 M-A		PL700	VE-30018089	SOCET SCART BLACK TFT		
L104	VE-30006712	FERRITE BEAD	3.5X4.7X0.8		PL701	VE-30018089	SOCET SCART BLACK TFT		
L104	VE-30001971	FERRITE	600R/100MHz 200mA		PL702	VE-30021298	CONN MALE	12P MOLEX VERTICAL	
L105	VE-30006712	FERRITE BEAD	3.5X4.7X0.8		PL703	VE-30001829	CONN HEADER	2P 2.5MM TOP WHT SD	
L105	VE-30001971	FERRITE	600R/100MHz 200mA		PL704	VE-30015192	CONN HEADER	2P 2.5MM TOP YELLOW SD	
L106	VE-30006712	FERRITE BEAD	3.5X4.7X0.8		PL800	VE-30018073	CONN HEA.	20P 1.25MM SIDE WHT SMT	
L109	VE-30001971	FERRITE	600R/100MHz 200mA		S730	VE-30012695	RESISTOR	1/16W 470R J	
L110	VE-30001971	FERRITE	600R/100MHz 200mA		SW5	VE-30002181	TACT SWITCH		
L113	VE-30020896	FERRITE	120R/100MHz 200mA		TU500	VE-30020654	TUNER WSP (PLL)	38.9 MK3 - HORIZONTAL	
L300	VE-30017143	FIXED COIL	22uH J Q25 125mA		X100	VE-30017946	CLYSTAT	14.318 MHZ	
L301	VE-30018093	FIXED COIL	3.3uH J 185mA		X300	VE-30006662	CLYSTAT	6.000 20p HC49U	
L302	VE-30018093	FIXED COIL	3.3uH J 185mA		X400	VE-30008778	CLYSTAT	20.250 13p HC49U	
L303	VE-30018093	FIXED COIL	3.3uH J 185mA		X500	VE-30021113	CLYSTAT	4MHZ LOW PROFILE	
L304	VE-30001990	FIXED COIL	6.8uH Q75 K		X700	VE-30001756	CLYSTAT	18.432 12p HC49U	
L305	VE-30001990	FIXED COIL	6.8uH Q75 K		Z500	VE-30001692	SAW FILTER	OFWK3953M	
L306	VE-30001971	FERRITE	600R/100MHz 200mA		Z501	VE-30012545	SAW FILTER	K9656M	
L307	VE-30006712	FERRITE BEAD	3.5X4.7X0.8						
L308	VE-30002170	FERRITE CORE	1A RAD						
L309	VE-30001971	FERRITE	600R/100MHz 200mA						
L401	VE-30001971	FERRITE	600R/100MHz 200mA						
L402	VE-30001971	FERRITE	600R/100MHz 200mA						
L408	VE-30001971	FERRITE	600R/100MHz 200mA						
L409	VE-30001996	FIXED COIL	22uH Q40 K						
L501	VE-30001971	FERRITE	600R/100MHz 200mA						
L502	VE-30001971	FERRITE	600R/100MHz 200mA						
L503	VE-30001971	FERRITE	600R/100MHz 200mA						
L504	VE-30001996	FIXED COIL	22uH Q40 K						
L600	VE-30017143	FIXED COIL	22uH J Q25 125mA						
L700	VE-30001971	FERRITE	600R/100MHz 200mA						
L701	VE-30001971	FERRITE	600R/100MHz 200mA						
L702	VE-30001971	FERRITE	600R/100MHz 200mA						
L703	VE-30001971	FERRITE	600R/100MHz 200mA						
L704	VE-30001971	FERRITE	600R/100MHz 200mA						
L705	VE-30001971	FERRITE	600R/100MHz 200mA						
L707	VE-30001971	FERRITE	600R/100MHz 200mA						
L708	VE-30001971	FERRITE	600R/100MHz 200mA						
L709	VE-30001971	FERRITE	600R/100MHz 200mA						
L710	VE-30006712	FERRITE BEAD	3.5X4.7X0.8						
L711	VE-30013412	FERRITE	1.5K/100MHz 500 mA						
L712	VE-30013412	FERRITE	1.5K/100MHz 500 mA						
L713	VE-30001971	FERRITE	600R/100MHz 200mA						
L714	VE-30001971	FERRITE	600R/100MHz 200mA						
L715	VE-30001971	FERRITE	600R/100MHz 200mA						
L716	VE-30001971	FERRITE	600R/100MHz 200mA						
L717	VE-30001971	FERRITE	600R/100MHz 200mA						
L718	VE-30024779	FERRITE	50R/100MHz 3A						
L719	VE-30024779	FERRITE	50R/100MHz 3A						
L721	VE-30024779	FERRITE	50R/100MHz 3A						
L722	VE-30024779	FERRITE	50R/100MHz 3A						
L723	VE-30001971	FERRITE	600R/100MHz 200mA						
L724	VE-30013412	FERRITE	1.5K/100MHz 500 mA						
L725	VE-30013412	FERRITE	1.5K/100MHz 500 mA						
L726	VE-30001971	FERRITE	600R/100MHz 200mA						
L727	VE-30001971	FERRITE	600R/100MHz 200mA						
L728	VE-30001971	FERRITE	600R/100MHz 200mA						
L734	VE-30001971	FERRITE	600R/100MHz 200mA						
L800	VE-30018093	FIXED COIL	3.3uH J 185mA						
L801	VE-30002170	FERRITE CORE	1A RAD						
L802	VE-30020394	FERRITE	330R/100MHz 3A						
L803	VE-30020394	FERRITE	330R/100MHz 3A						
L900	VE-30002170	FERRITE CORE	1A RAD						
L901	VE-30019475	FIXED COIL	47uH 2A RAD SH 14X16						
L906	VE-30001996	FIXED COIL	22uH Q40 K						
L907	VE-30002170	FERRITE CORE	1A RAD						
L908	VE-30019475	FIXED COIL	47uH 2A RAD SH 14X16						
L910	VE-30002002	FIXED COIL	47uH Q60 K						
L911	VE-30011450	FIXED COIL	22uH 5.4A 11.5*15.5						
△F900	VE-30035282	FUSE	5A/32VDC						
△F901	VE-30028331	FUSE	7A/32VDC 1206						
JK100	VE-30001900	HEADPHONE JACK	HP012/3/4/5/6						

PACKING



PACKING PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
	1	VE-50066079	CARTON BOX		LT-17B60SJ
	1	VE-50066358	CARTON BOX		LT-17B60SU
	2	VE-20177862	SNOW BOX (FROHT)		
	3	VE-20177861	SNOW BOX (BACK)		
	4	VE-30039453	REMOTE CONTROL UNIT	(RM-C1861)	
△	5	VE-30034329	AC ADAPTER	24VDC 6A	
△	6	VE-30028238	POWER CORD	for AC ADAPTOR	LT-17B60SJ
△	6	VE-30002376	POWER CORD	for AC ADAPTOR	LT-17B60SU
△	7	VE-50066082	INST BOOK	ENG	LT-17B60SJ
△	7	VE-50066362	INST BOOK	ENG/GER/FRA/ITA	LT-17B60SU
△	7	VE-50066364	INST BOOK	SWE/DAN/NOR/FIN	LT-17B60SU
△	7	VE-50066365	INST BOOK	POL/CZE/HUN	LT-17B60SU
△	7	VE-50066366	INST BOOK	SPA/POR/DUT	LT-17B60SU
△	7	VE-50066367	INST BOOK	BUL/RUS/ROM	LT-17B60SU
	8	VE-50066081	WARRANTY CARD	BT-54023-1E	LT-17B60SJ
	8	VE-50066363	WARRANTY CARD	BT-54023-1E	LT-17B60SU
	9	VE-50066080	LABEL CARTON BOX (x2)		LT-17B60SJ
	9	VE-50032861	LABEL CARTON BOX (x2)		LT-17B60SU
	10	-----	BATTERY	AA/R06 (x2)	
	11	VE-50018337	POLY BAG		



Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY DISPLAY CATEGORY 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

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