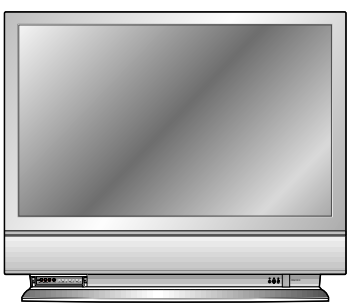
website:http://biz.LGservice.com
e-mail:http://www.LGEservice.com/techsup.html

DLP Projection TV
SERVICE MANUAL

CHASSIS : MB-02JA

MODEL : RE/RL-44SZ20RD

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



CONTENTS

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitary that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

X-RAY Radiation

Warning:

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the Picture Tube.
For continued X-RAY RADIATION protection, the replacement tube must be the same type tube as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum.
Measure the high voltage.
The meter reading should indicate
23.5 ¡ 1.5KV: 14-19 inch, 26 ¡ 1.5KV: 19-21 inch,
29.0 ¡ 1.5KV: 25-29 inch, 30.0 ¡ 1.5KV: 32 inch
If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

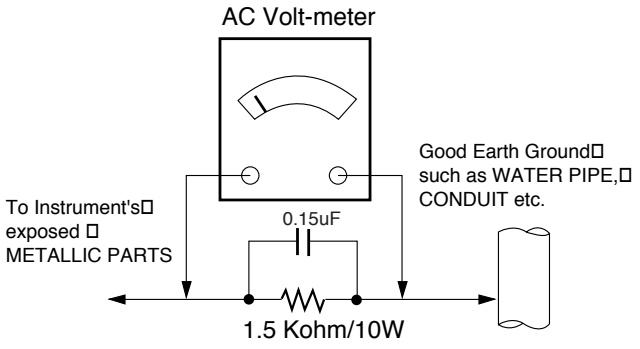
Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on positioin, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each esposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the SAFETY PRECAUTIONS on page 3 of this publication.
NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
   a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
   b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
      CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
   d. Discharging the picture tube anode.
2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".
3. Discharge the picture tube anode only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube anode button, using an insulating handle to avoid personal contact with high voltage.
4. Do not spray chemicals on or near this receiver or any of its assemblies.
5. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable nonabrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)
   CAUTION: This is a flammable mixture.
   Unless specified otherwise in this service manual, lubrication of contacts in not required.
6. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
8. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
   Always remove the test receiver ground lead last.
9. Use with this receiver only the test fixtures specified in this service manual.
   CAUTION: Do not connect the test fixture ground strap to any heatsink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some fieldeffect transistors and semicounductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficent to demage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a repalcement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the ieads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the bruching together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintan tip temperature within the range or 500 ¡ÆF to 600 ¡ÆF.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thorohly clean the surfaces to be soldered. Use a mall wirebristle (0.5 inch, or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
   a. Allow the soldering iron tip to reach normal temperature. (500 ¡ÆF to 600 ¡ÆF)
   b. Heat the component lead until the solder melts.
   c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
      CAUTION: Work quickly to avoid overheating the circuiboard printed foil.
6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach a normal temperature (500 ¡ÆF to 600 ¡ÆF)
   b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.

c. Qulckly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
CAUTION: Work quickly to avoid overheating the circuit board printed foil.

d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in parapraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit boare.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heatsink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heatsink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicula y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.
CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

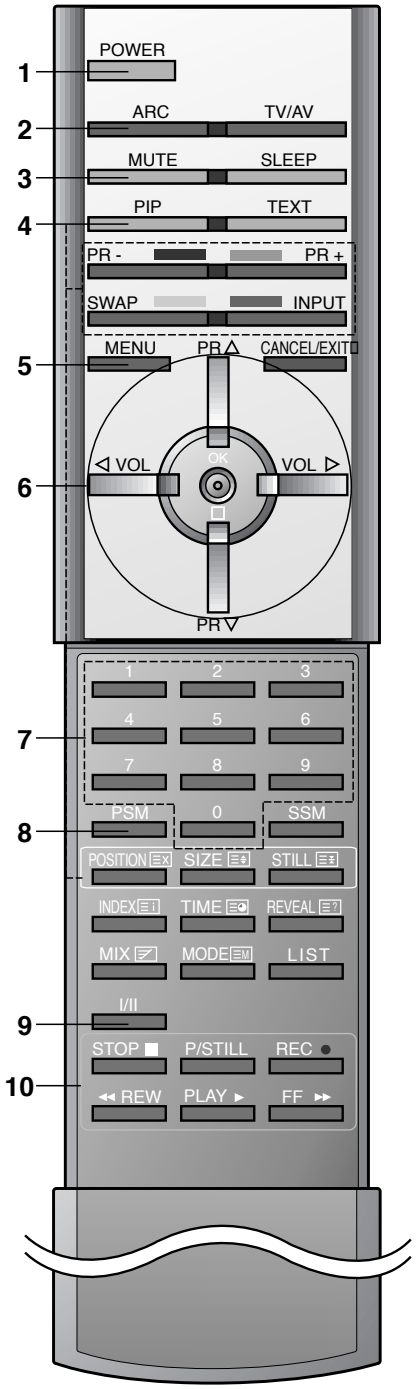
Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involoves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.
CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

CONTROL DESCRIPTIONS

All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.

Remote control handset



Before you use the remote control handset, please install the batteries. See the next page.

1. **POWER**
   switches the set on from standby or off to standby.

2. **ARC (Aspect Ratio Control)**
   changes the picture format.

3. **MUTE**
   switches the sound on or off.

4. **PIP BUTTONS**
   PIP
   switches the sub picture on or off.
   PR +/–
   selects a program for the sub picture.
   SWAP
   alternates between main and sub picture.
   INPUT
   selects the input mode for the sub picture.
   SIZE
   adjusts the sub picture size.
   STILL
   freezes motion of the sub picture.
   POSITION
   relocates the sub picture in clockwise direction.

5. **MENU**
   selects a menu.

6. **▲ / ▼ (Program Up/Down)**
   selects a program or a menu item.
   switches the set on from standby.
   ◄ / ► (Volume Up/Down)
   adjusts the volume.
   adjusts menu settings.
   OK
   accepts your selection or displays the current mode.

7. **NUMBER BUTTONS**
   switches the set on from standby or directly select a number.

8. **PSM (Picture Status Memory)**
   recalls your preferred picture setting.

9. **I/II**
   selects the language during dual language broadcast.
   selects the sound output.

10. **VCR BUTTONS**
    control a LG video cassette recorder.

11. TV/AV
selects the remote operating mode.
switches the set on from standby.

12. SLEEP
sets the sleep timer.

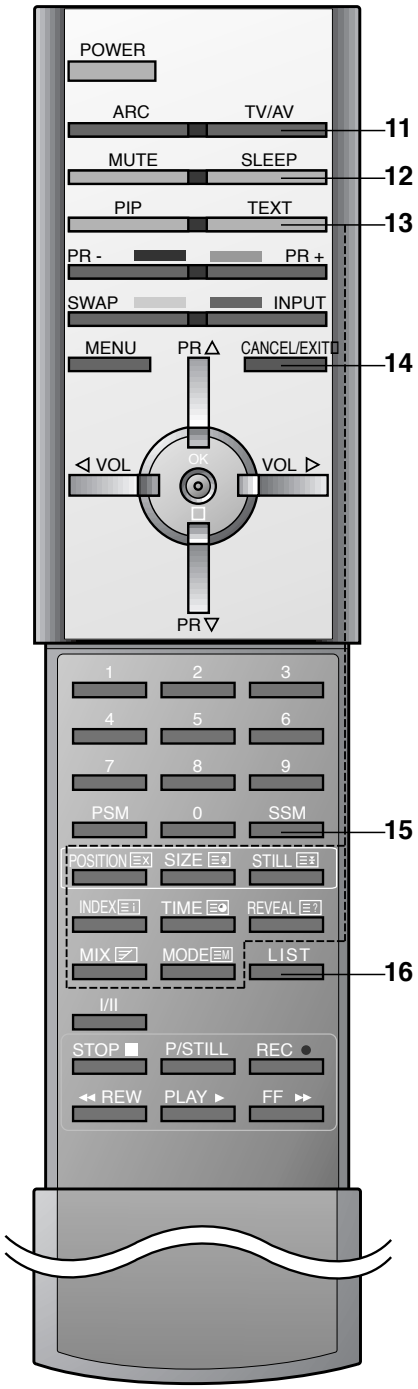
13. TELETEXT BUTTONS
These buttons are used for teletext.
For further details, see the 'Teletext' section.

14. CANCEL/EXIT
Clears all on-screen displays and returns to TV viewing from any menu.

15. SSM (Sound Status Memory)
recalls your preferred sound setting.

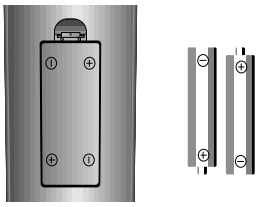
16. LIST
displays the program table.

Note : In teletext mode, the **PR +/–**, **SWAP** and **INPUT** buttons are used for teletext function.



Battery installation

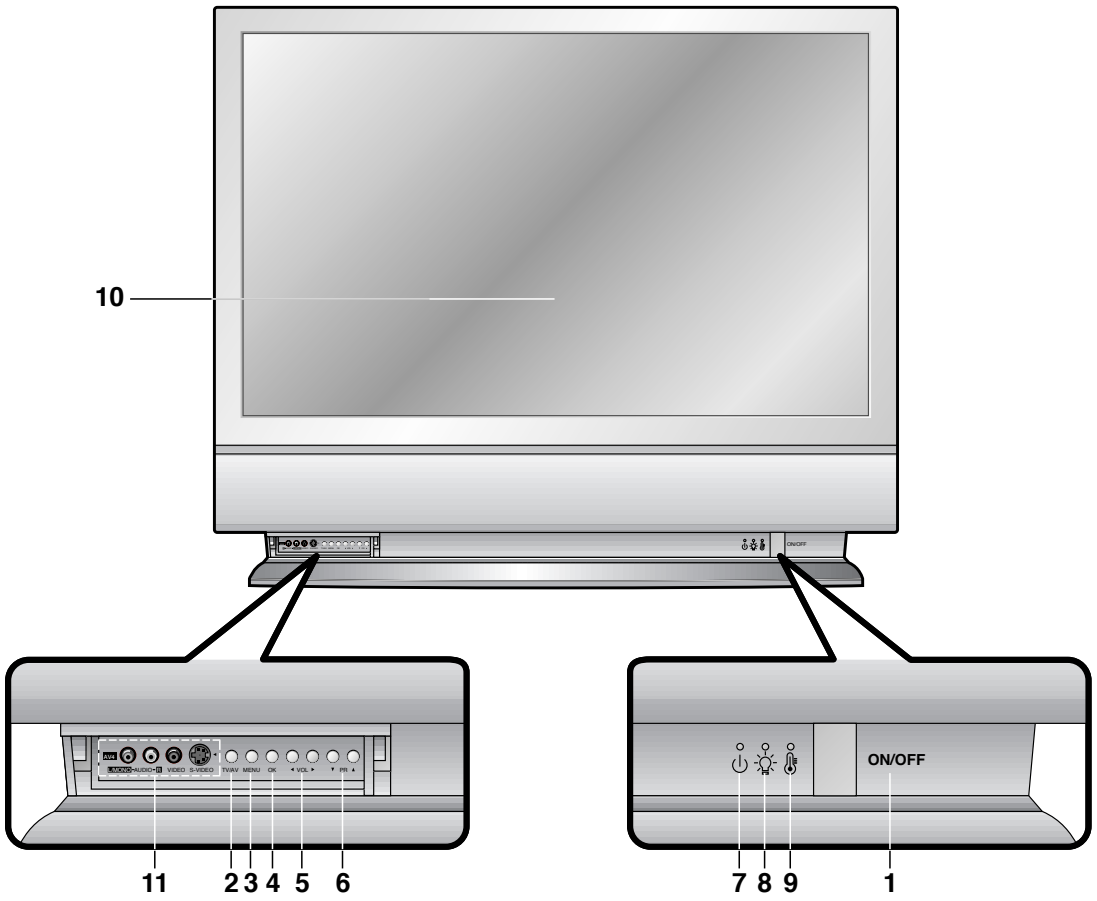
The remote control handset is powered by two AAA type batteries. To load the batteries, turn the remote control handset over and open the battery compartment. Install two batteries as indicated by the polarity symbols (⊕ and ⊖) marked inside the compartment.



Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.

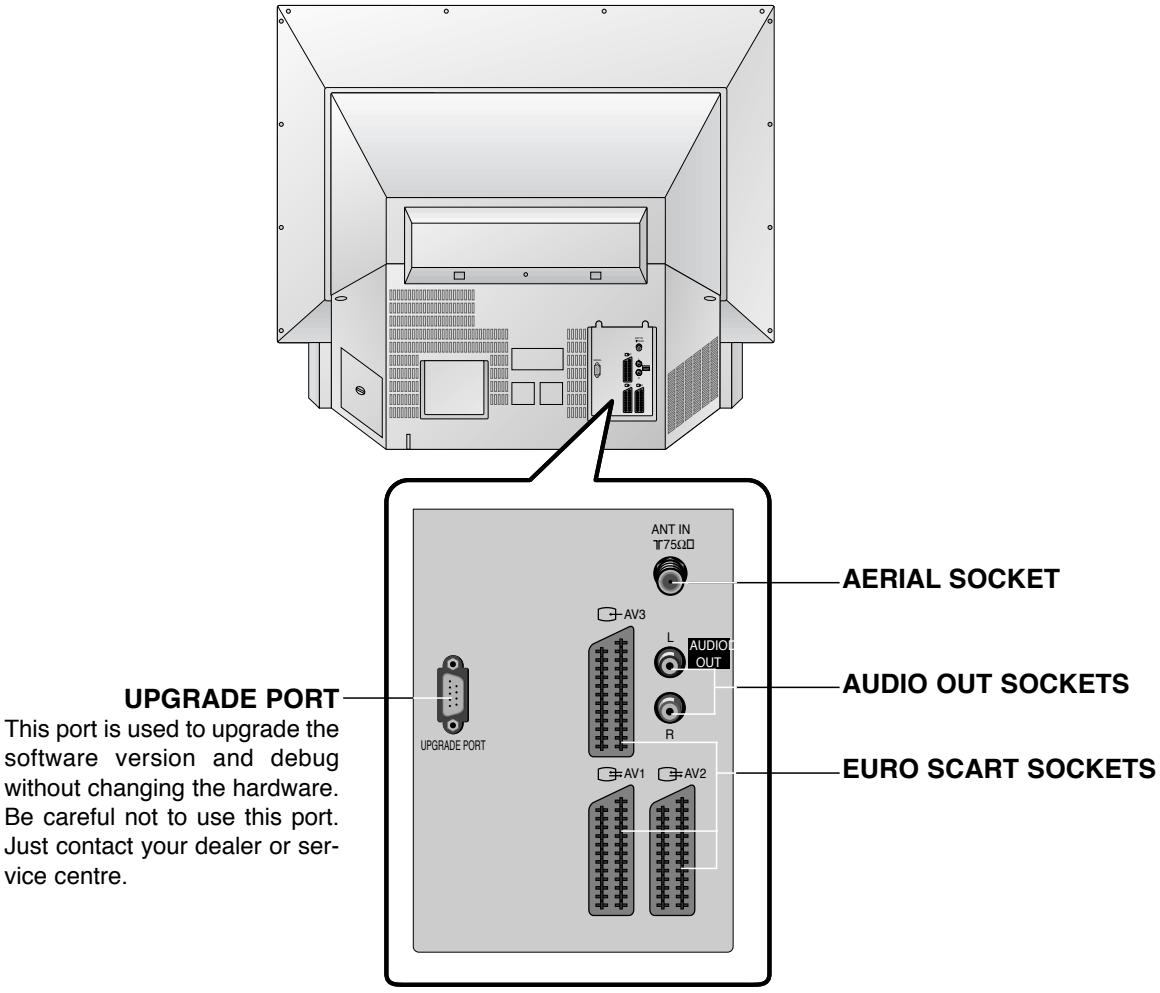
Front panel

Lamp indicator, operation indicator, and temperature indicator, located side the front panel controls reveal the operating status of the DLP(Digital Light Processing) projection TV.



1. **MAIN POWER (ON/OFF)**
   switches the set on or off.
2. **TV/AV**
   selects TV or AV mode.
   switches the set on from standby.
3. **MENU**
   selects a menu.
4. **OK**
   accepts your selection or displays the current mode.
5. **◄ / ► (Volume Down/Up)**
   adjusts the volume.
   adjusts menu settings.
6. **▲ / ▼ (Program Up/Down)**
   selects a program or a menu item.
   switches the set on from standby.
7. **OPERATION INDICATOR**
8. **LAMP INDICATOR**
9. **TEMPERATURE INDICATOR**
10. **REMOTE CONTROL SENSOR**
11. **AUDIO/VIDEO IN SOCKETS (AV4)**
    Connect the audio/video out sockets of external equipment to these sockets.
    S-VIDEO/AUDIO IN SOCKETS (S-VIDEO)
    Connect the S-VIDEO out socket of an VCR to the **S-VIDEO** socket.
    Connect the audio out sockets of the VCR to the audio sockets as in **AV4**.

Rear panel



UPGRADE PORT

This port is used to upgrade the software version and debug without changing the hardware. Be careful not to use this port. Just contact your dealer or service centre.

•Status Indicators

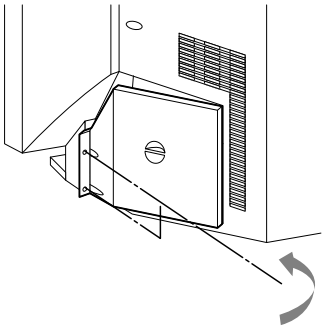
Operation Indicator	Off	Power cord is not connected.
	Red	Power Cord is connected, unit is on standby.
	Green	On
	Orange (flashing)	Preparing operation in standby.
Lamp Indicator	Orange	Projection lamp is reaching the end of its life and needs to be replaced with a new lamp.
	Green (flashing)	The lamp cover is not closed.
Temperature Indicator	Orange	The projector is overheating.
	Red	The projector shut down due to overheating.
	Red (flashing)	The projector shut down, check the cooling fan.

REPLACING THE LAMP

* Contact your dealer or LG service center for replacing the new lamp.

You must replace the lamp when;

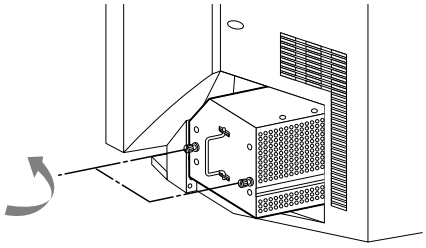
- The set image get darker or start to be deteriorated.
- The lamp indicator is orange.
- The message “LAMP REPLACE“ appears on the screen.



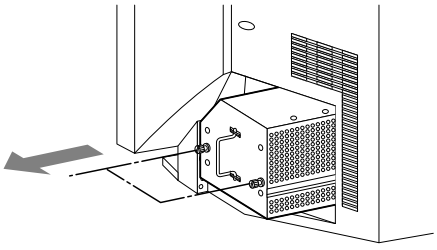
< Fig. 1>

* Replace the lamp as below sequence

1. Turn off the projection and unplug the power cable.
   (Cool the lamp for more than 1 hour.)
2. Remove the two retainging screws on the lamp cover with a screwdriver of “+“ type and then lift off the lamp cover.(refer to fig.1)
3. After lifting the lamp cover off, remove the two retaining screw on lamp case with screwdriver of “-“ type. (refer to fig.2)
4. Pull out the handle slowly and remove the lamp.(refer to fig.3)
5. Insert the new lamp gently into the correct position. Make sure it is inserted correctly.
6. Tighten the screw you removed in step 3.
7. Replace the lamp cover and tighten the cover screws.



< Fig. 2>



< Fig. 3>

SPECIFICATIONS

Note : Specification and others are subject to change without notice for improvement.

- **Video input system:**
  PAL-B/G, D/K, I/I
  SECAM-B/G, D/K,L/L'
  NTSC M

- **Intermediate Frequency (Unit : MHz)**
  VISION IF : 38.9MHz
  COLOR IF : 34.47MHz(4.43)
  35.32MHz(3.58) : NTSC-M
  (VIF-4.25000MHz): SECAM
  VIF-4.40625MHz
  SOUND IF : 33.4MHz (B/G)
  32.9MHz (I/I)
  32.4MHz (D/K)
  34.4MHz (M)

- **Tuning range**

Band	For TV				For CATV
	B/G	D/K	I/I	NTSC	
VHF-Low	Ch2-4	Ch1-5		Ch2-13	S1'-S3', S1
VHF-High	Ch5-12	Ch6-12	Ch4-13		S2-S10, S11-S20
Hyper					S21-S41
UHF	Ch21-69			Ch14-69	

- **Tuning system :**
  FVS
  100 Programme memory

- **Voice coil impedance :** 8 ohm

- **Sound output :** 10W¡¿10W

- **External connection :** Front : AV4 & S-Video
  Rear
  : Full Scart(AV1)
  : Half Scart(AV2/S-Video 2)
  : Half Scart(AV3)
  : Hi-Fi Out
  : RF-in
  : RS232C Up-Grade Port

- **Power requirement :** 230V, 50Hz

- **Power consumption :** 230W

- **STAND-BY :** 3W

- **Feature :** Teletext(TOP/FLOP/LIST)
  Srereo/Dual Sound (NICAM & FM)
  SSC (Split Screen) Mode
  Multi Picture Display Mode
  Progressive Scan
  Double Window Text

ADJUSTMENT INSTRUCTIONS

1. Application Object

This instruction is for the application to the DLP Projection.

2. Notes

(1) The power source insulation of this DLP Projection is not charging type and you may not use the transformer for insulation. But you'd better adjust the set after operating it with insulation transformer between power supply cable and input part of the set for protecting the adjusting equipments.

(2) The adjustment must be performed under the correct sequence.

(3) The adjustment must be performed in the circumstance of 25±5˚C of temperature and 65±10% of relative humidity if there is no specific designation.

(4) The input voltage of the receiver must keep 230V, 50Hz in adjusting.

(5) The set must be operated for 5 minutes preliminarily before adjustment if there is no specific designation.
The preliminary operation must be performed after receiving 100% white pattern,but reception of the moving picture may also be possible in unavoidable case.

3. Compomation of Adjustment Mode

(1) All adjustment mode are entered by pressing the ADJ key on the remore control,after adjustment pess the ADJ key to come out.

(2) Compomation of adjustment mode:The first screen composition of pressing ADJ key.

(3) Select menu to adjust with using (CH+(▲),CH-(▼)) key above screen and press the enter key to adjust on the wanting menu.

(4) After being inputed for SUB menu,select the SUB menu with using (CH+(▲),CH-(▼)) key and adjust the value of adjustment with using the volume +(◄),volume -(►) key.

(5) Press the ADJ key to come out after adjustment,press again to come out the final adjustment mode.

4. Assembling Adjustment

4-1. Screen Tilt & Keystone Adjustment

(1). Required Test Equipments

1) Six angles wrench and spanner for knob adjustment or fixation

2) Remote control : 1EA

(2). Preparation for Adjustment

1) Do not assemble the front pannel equipment so that you can adjust the adjustment knob.

2) TV set receives the PAL-B/G Digital pattern.

(3). Adjustment Sequence

1) Stick the engine to the knob poll for adjustment and check the key stone & tilt watching TV screen.

2) Rotate left/right adjustment knob below and adjust engine angle.

3) Adjustment adjustment knob of both sides so that the tilt and keystone are to be under the spec.

4) After adjusting like 3),fix the engine with screw for fixation.

4-2. Screen Position Adjustment

(1). Required Test Equipments

Remote control : 1EA

(2). Horizontal Position Adjustment

1) Press ADJ key on the remote control to enter the adjustment.

2) Select 2.POSITION.

3) Select H-position with channel key in adjust mode.

4) Change the data with volume key on the remote control for adjustment so that the left/right of screen (A-fig1) to be symmetry and then adjust the outermost line of 5 channel(fixed size by circuit/optics) to be placed on the outermost of screen.

(3). Vertical Position Adjustment

1) Select V-position with channel key in adjust mode.

2) Change the data to symmetrized upper and down of screen(B-fig1) and then press the ADJ key on remote control to get out of adjustment mode.

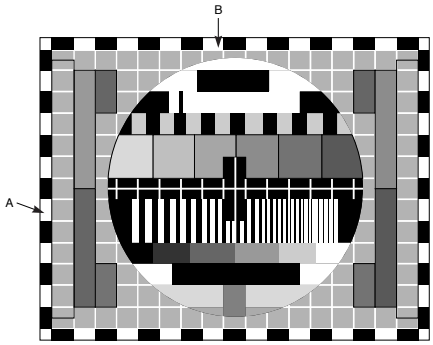


Fig1) H/V Position Adjjustment Screen

4-3. Focus Adjustment

(1) TV set receives the PAL-B/G Digital pattern.

(2) Adjust the focus when the it is deviated while entering the engine.(It doesn't need to be adjusted basically.)

(3) Loose the fixing screws of projection lens and turn the lens to the left/right to make the optimum focus condition.And then fix the lens.

4-5. Component AD9883 Offset Adjustment

(1). Required Test Equipments :

1) Remote control : 1EA

2) 801GF pattern generator: 1EA

(2). Preparation for Adjustment

1) Connect the power to TV Set and set the status of "Power on".

2) Heat-Run over 5 minitues before adjustment.

3) Enter the Component mode.

4) Receive the 720P,HozTVBar Pattern of 801GF.

(3). Offset Adjustment

1)Push the "ADJ" button to enter the adjustment mode that wait over 10 seconds after receive the signal.

2)When push "4.AD9883 Adjust" in adjustment item,it automatically control.

4-6. White Balance Adjustment

(1). Required Test Equipments : CA110

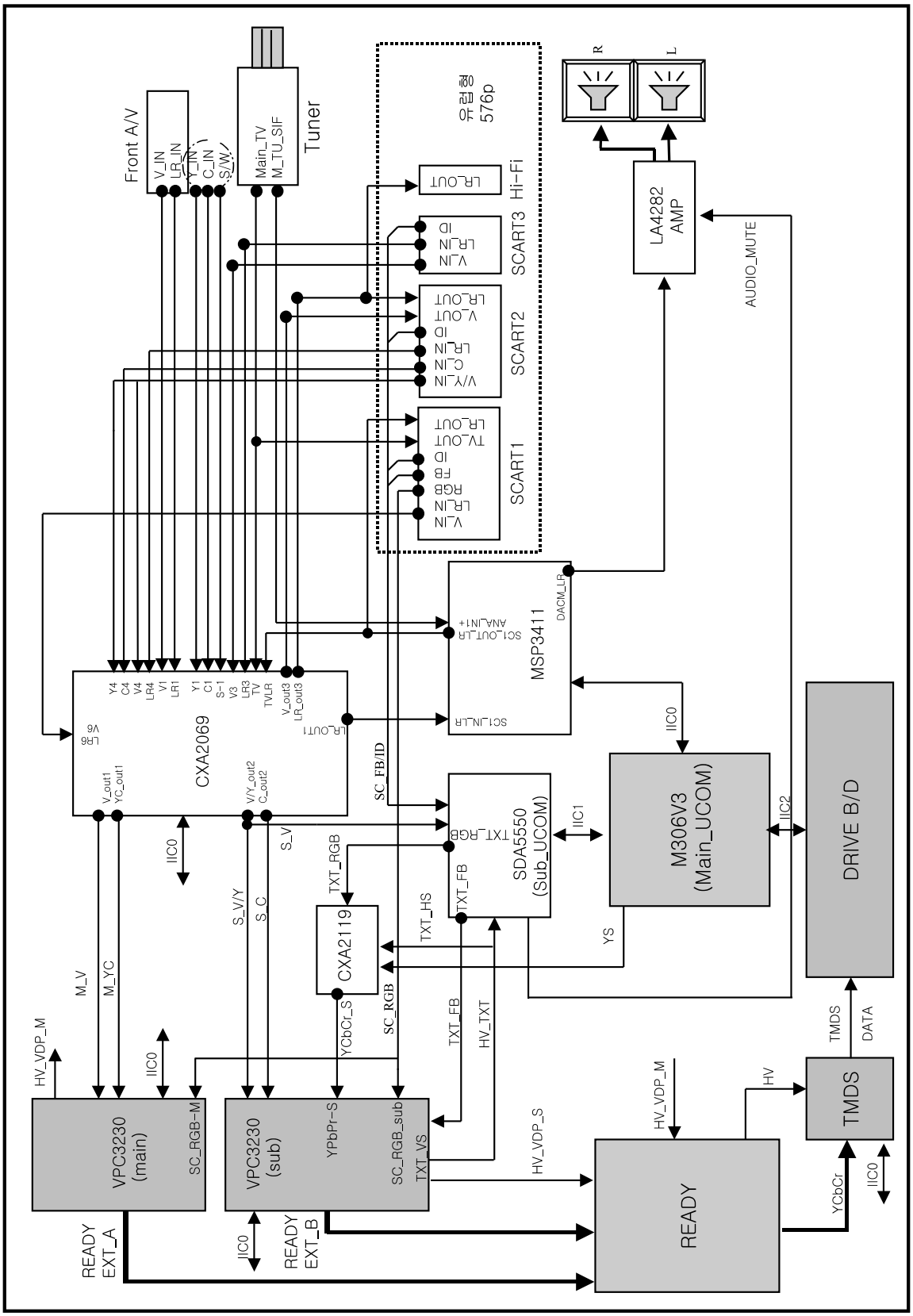
(2). White standard value : X=0.283±0.01,Y=0.297±0.01

(3). Adjustment Sequence

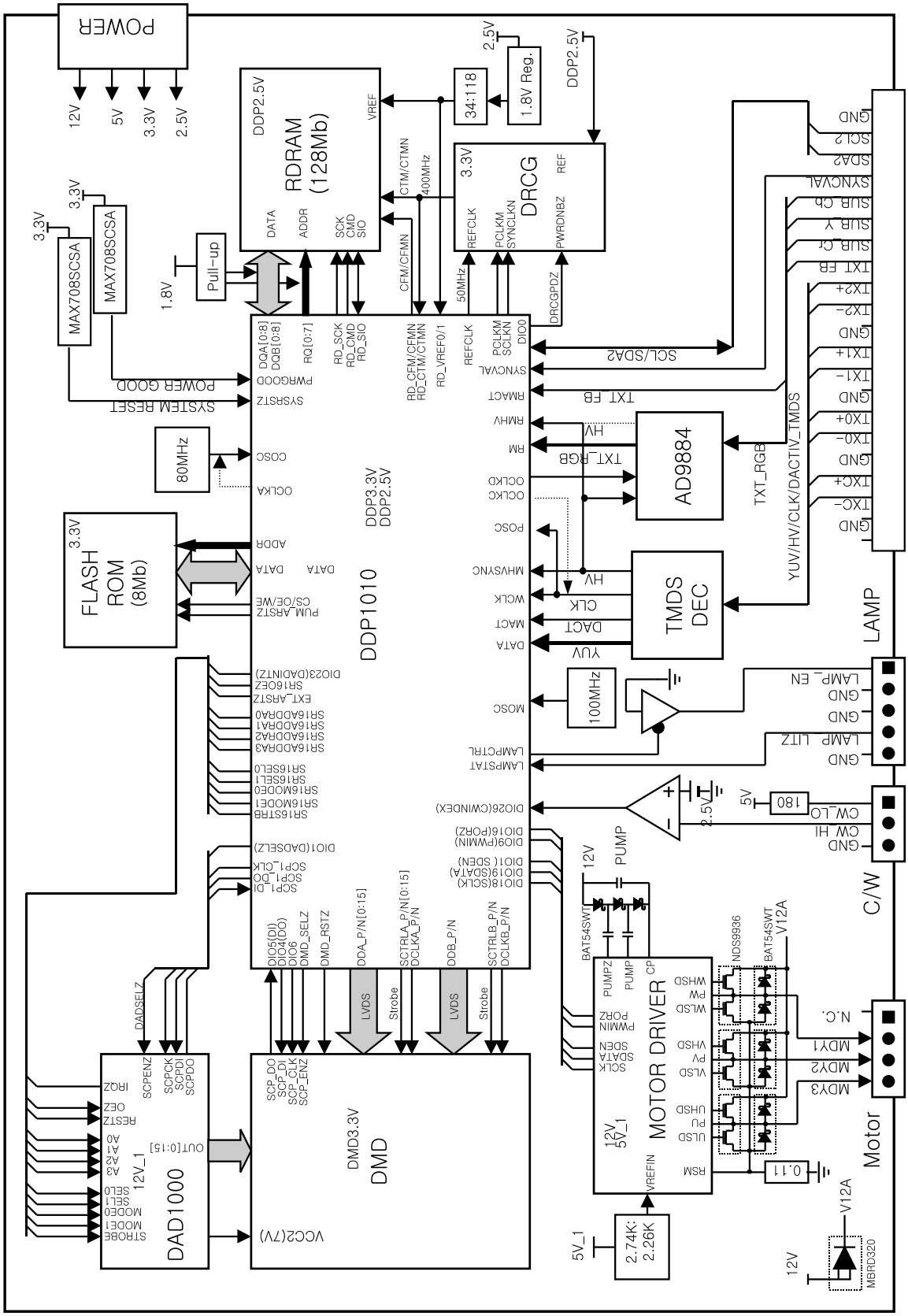
1) Install the CA110 at 20cm distance from the center of screen.
2) Enter the ADJ mode of the remote control for adjustment.
3) Enter the 3.White Balance again.
4) Fix the Gain value to B=100 and change the R/G value and then adjust the white balance.

BLOCK DIAGRAM

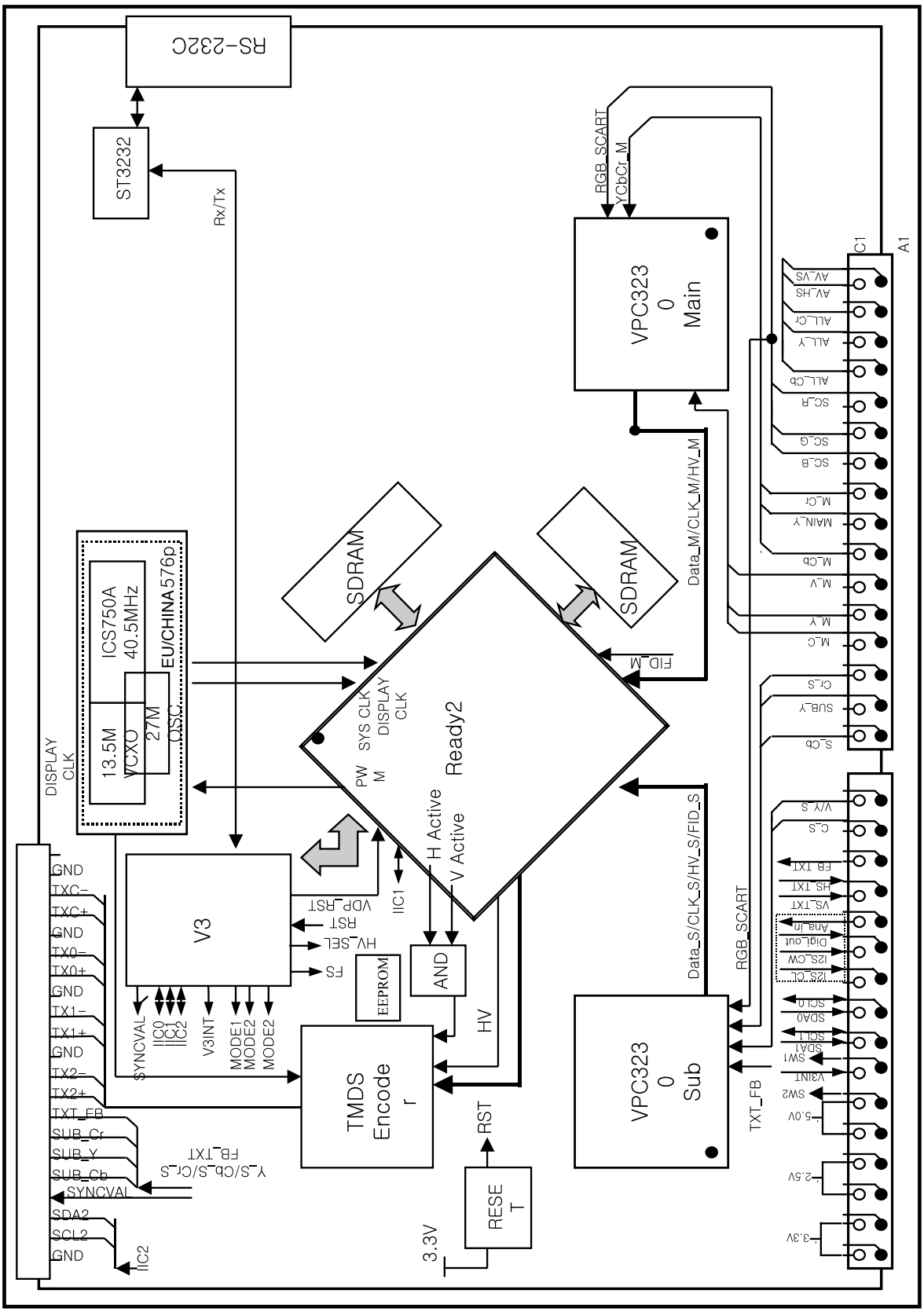
1. DLP Block



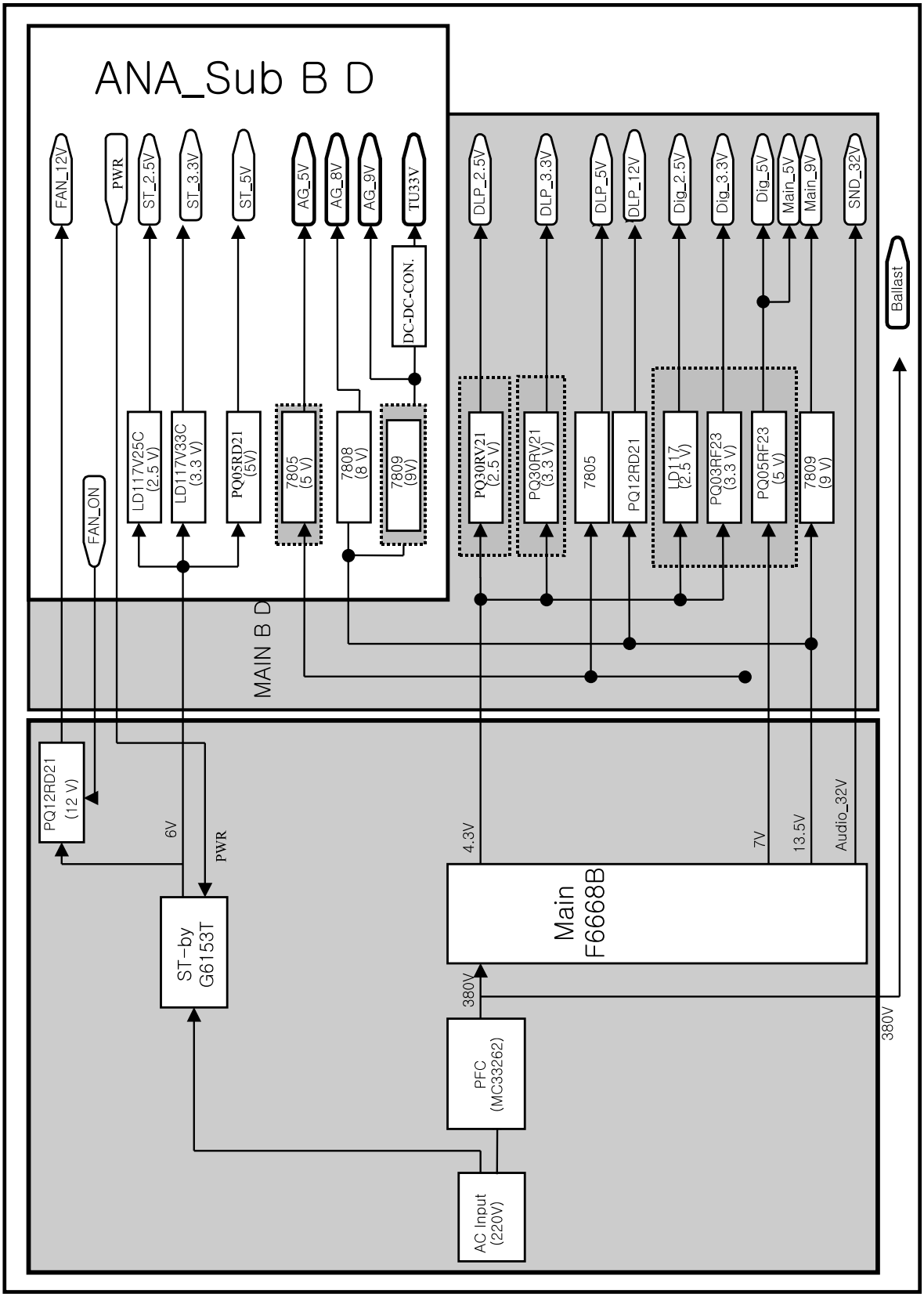
2. DLP Driver Block



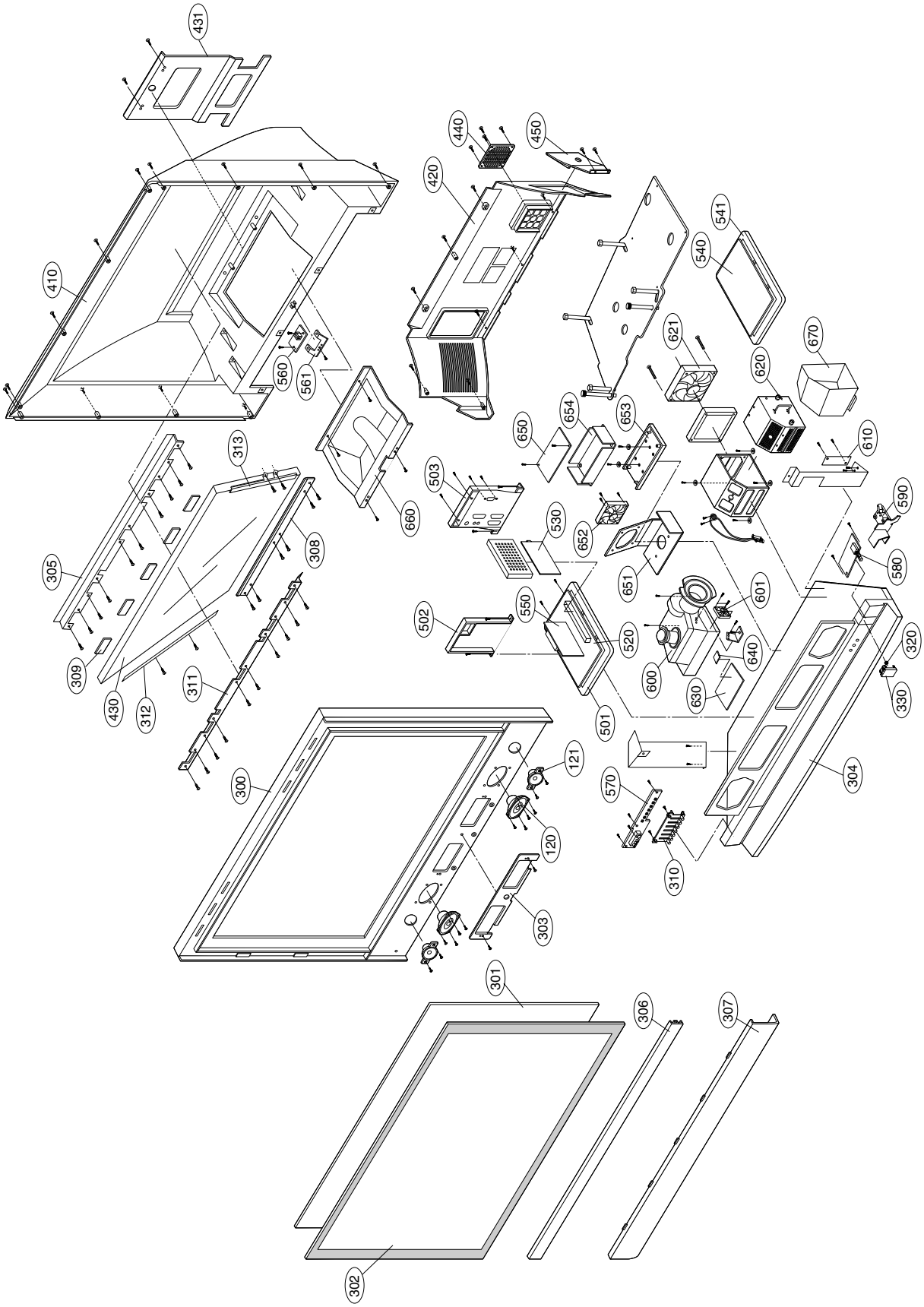
3. Digital Board Block



4. SMPS Block


ANA_Sub B D
FAN_12V
PWR
ST_2.5V
ST_3.3V
ST_5V
AG_5V
AG_8V
AG_9V
TU33V
DC-DC-CON.
DLP_2.5V
DLP_3.3V
DLP_5V
DLP_12V
Dig_2.5V
Dig_3.3V
Dig_5V
Main_5V
Main_9V
SND_32V
Ballast
FAN_ON
LD117V25C (2.5 V)
LD117V33C (3.3 V)
PQ05RD21 (5V)
7805 (5 V)
7808 (8 V)
7809 (9V)
PQ30RV21 (2.5 V)
PQ30RV21 (3.3 V)
7805
PQ12RD21
LD117 (2.5 V)
PQ03RF23 (3.3 V)
PQ05RF23 (5 V)
7809 (9 V)
MAIN B D
PQ12RD21 (12 V)
6V
PWR
4.3V
7V
13.5V
Audio_32V
ST-by G6153T
Main F6668B
380V
380V
PFC (MC33262)
AC Input (220V)

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
120	120-D38L	SPEAKER,C131901K145D ESTEC MID-RANGE 8OHM 15/25W 87DB
	6400VA0035D	Speaker, Fullrange YDT813-70 - 15W 8OHM 84DB 100HZ 128X77X57mM LUG
121	6400VG0002B	SPEAKER,TWEETER T0520102 8OHM 10/20W 88DB
	6400VG0002C	Speaker, Tweeter YDG50-20 - 10W 8OHM 88DB 1.5KHZ 74X52X27.9mM LUG
300	3211V00085A	FRAME ASSEMBLY,NON RE-44SZ20 3210V00130A LG
301	3350V00021A	SCREEN,TOPPAN 44W DLP PJTV RE-44SZ20 994*560.5 ..
	3350V00079C	Screen, COMPLEX DNP LENTI. RE-44SZ20RD 994*560.5*2.4 NON HARD COATING
302	3790V00689A	WINDOW,FILTER RE-44SZ20 ACRYL 44 DLP PJTV
	3790V00792A	Window, CUTTING ACRYL FILTER ASSY,44SZ20 ACRYL SVC
303	3550V00230A	COVER,NON RE-44SZ30 NON ENGINE LENS FRONT
304	3091V00440A	CABINET ASSEMBLY,RE-44SZ20 NON NON 3090V00343A
	3091V00456A	Cover Assembly, RE-44SZ20 - MB02JA ENGINE
305	4980V00423B	SUPPORTER,MIRROR EGI RE-44SZ20RD
306	4270V00011A	BAR SUB ,RE-44SZ20RD, AL ,FRONT
	4270V00012A	Bar, COMPLEX SUB DECO,RE-44SZ20RD, AL ,FRONT,LG
307	3530V00A28A	GRILLE,SPEAKER RE-44SZ20 ABS,PS NON NON
308	4980V00567B	SUPPORTER,MIRROR EGI RE—44SZ20RD
309	4810V00563A	BRACKET,MIRROR TOP . RE-44SZ20
310	5020V00658A	BUTTON,CONTROL . SET
311	4980V00768B	Supporter, PRESS AL T1.0 FILTER AL BOTTOM,RE-44SZ20RD
312	4980V00769B	Supporter, PRESS AL T1.0 FILTER AL SIDE,RE-44SZ20RD
313	4980V00769A	Supporter, PRESS AL T1.0 FILTER AL SIDE,RE-44SZ20RD
320	320-075B	SPRING,COIL NON DIA:7.5MM, H:15.5MM NON NON
330	5020V00659A	BUTTON,POWER RE-44SZ20 SET
410	3809V00A53B	BACK COVER ASSEMBLY,RE-44SZ20RD NON 3808V00292,UPPER
	3809V00A63A	Cover Assembly, RE-44SZ20 NON 3808V00A292A UPPER
420	3809V00A54A	BACK COVER ASSEMBLY,RE-44SZ20 NON 3808V00293A LOWER
430	5018V00039A	MIRROR OCLI 44W DLP PJTV . .
	5018V00039F	Mirror, COMPLEX REFLECTION AVATEC GLASS FRONTSIDE 940(H1)*500(H2)*498(V)*3.0(T) 1ST 44”
431	4980V00450A	SUPPORTER,CENTER SECC RE-44SZ20RD
	4980V00450B	Supporter, PRESS SECC T1.6 BACK COVER SECC CENTER,PRESS MOLD,RE-44SZ20RD
440	3550V00269A	COVER,LAMP FAN,RE-44SZ20RD PC-ABS .
450	3550V00256A	COVER,LAMP RE-44SZ20 HIPS 60HR CHANGE
501	3210V00127B	FRAME,CHASSIS NON RE-44SZ20 NON
502	4930V00232B	HOLDER,SUPPORTER 40AF RE-44SZ20RD
503	4811V00030A	BRACKET ASSEMBLY,AV RE-44SZ20RD MB02JA REAR
520	6871VMMB13C	PWB ASSEMBLY,MAIN MB02JA BOTTOM M/I ASSY
530	6871VSMB67A	PWB ASSEMBLY,DIGIT MB02JA M/I ASSY
540	6871VPM999A	PWB ASSEMBLY,POWER SMPS MB02JA RE-44SZ20RD
541	3210V00127C	FRAME,CHASSIS HIPS 60HR RE-44SZ20 MB-02JA
550	6871VSMB73A	PWB ASSEMBLY,TUNER MB02JA M/I ASSY(EUROPE)
	6871VSMB73B	PWB ASSEMBLY,TUNER MB02JA M/I ASSY(FRANCE)
560	6871VSMB66A	PWB ASSEMBLY,P/AMP MB02JA PREAMP M/I ASSY
561	4980V00430B	SUPPORTER,PCB EGI RE-44SZ20RD
	4980V00430C	Supporter, PRESS SECC T1.6 PCB SECC(EGI) PRE-AMP
570	3141VSNB58A	CHASSIS ASSEMBLY, MB02JA FRONT A/V ASSY
	6871VSMB99A	PCB Assembly, Sub SUBMB02JA FRONT/CTR M/I ASSY
580	3141VSNB62A	CHASSIS ASSEMBLY,MB02JA POWER/LED ASSY
	6871VSMB65A	PCB Assembly, Sub SUB MB02JA POWER/LED M/I ASSY
590	3141VPN011G	CHASSIS ASSEMBLY,MB02JA PROTECT SWITCH ASSEY
600	3141VSNC03A	CHASSIS ASSEMBLY,MB02JA OPTICAL BRACKET RE-44SZ20RD
	3141VSNC03C	Chassis Assembly, SUB MB02JB DLP 576P/5KV OPTICAL BRACKET
601	5900V04007A	FAN(40mm)
610	3141VSNB57A	CHASSIS ASSEMBLY,MB02JA LINE FILTER BOARD ASSY
	6871VSMQ19A	PCB Assembly,Sub L/F MB02JA LINE FILTER BOARD
620	3110V00277A	LAMP ASSY
	3110V00277B	CaseCOMPLEX MAIN RT-44SZ20RP METAL 15KV LAMP CATRIGE ASSY
621	5900V12002A	FAN(120mm)
630	6871VSMB50A	DRIVE BOARD
	6871VSMB50C	PCB Assembly, Sub CRM MB02JB DRIVER BOARD MATTERHORN_B
640	0IZZVF0020A	DMD
650	6316000002A	BALLAST
	6316000002B	Ballast, VIP120AC/380 120W P-VIP 120/1.3 E23 -
651	4980V00523B	SUPPORTER,FAN EGI RE-44SZ20RD
652	5900V08004B	FAN,DC F8025S12B2-RG DONG YANG 80MM 12V 120MA 2000RPM
653	4810V00659A	BRACKET,BALLAST RE-44SZ20 NON ABS NON
654	3858V00039A	SHEET (MECH),SUB . POLYESTER FILM T=0.05 .
660	4810V00562A	BRACKET,COVER RE-44SZ20 NON NON NON
670	4810V00660A	BRACKET,DUCT RE-44SZ20 NON PC-ABS LAMP

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
IC1	0ISM555000A	IC,SDA5550 MQFP100 BK MICOM TXT
IC102	0IIT323000E	IC,VPC3230D C5 80P QFP TRAY VIDEO PROCESSOR
IC104	0IIT323000E	IC,VPC3230D C5 80P QFP TRAY VIDEO PROCESSOR
IC1601	0ISA428200A	IC,LA4282 12S 2CHX10W AUDIO AMP
IC2	0ISS610082A	IC,K6T1008V2E-TB(F)70 [K6T1008BLT-7L]
IC208	0ISO206900A	IC,CXA2069Q QFP64 BK I2C BUS AV S/W
IC301	0ISO211900A	IC,CXA2119M 28P,SOP TP VIDEO SWITCHING
IC301	0ICTMLG003C	IC,LGDT1502M LG IC 304P QFP TRAY READY-2
IC302	0ITI740000Q	IC,SN74LVC00AD 14SOP R/TP LOGIC D-TV
IC303	0ITI740000Q	IC,SN74LVC00AD 14SOP R/TP LOGIC D-TV
IC304	0ISS464323A	IC,K4S643232E(C)-TC/L60(70) 86P-TSOP(II) ,64SDRAM
IC305	0ISS464323A	IC,K4S643232E(C)-TC/L60(70) 86P-TSOP(II) ,64SDRAM
IC307	0IMCRIC001A	IC,ICS570 INTEGRATED CIRCUIT SYSTEMS 8PIN SOIC R/TP
IC320	0IPH741400E	IC,74HC14D 14SOP TP SHITTER TRIGGER
IC4	0IMCRAL006A	IC,AT24C16AN-10SI-2.7 ATMEL 8P SOIC R/TP EEPROM
IC401	0ISH302122A	IC,PQ30RV21 TO-220
IC401	0ICTMMI038B	IC,COPY M306V3FGFP 100P QFP TRAY SINGLE 16BIT
IC402	0IFA752700A	IC,KA75270Z 3 TP RE-SET IC MC-007
IC402	0ISH302122A	IC,PQ30RV21 TO-220
IC403	0ISH302122A	IC,PQ30RV21 TO-220
IC403	0IMCRSG010A	IC,ST3232CDR SGS-THOMSON SOP16 R/TP RS232
IC404	0ISH052100C	IC,PQ05RD21 4SIP ST REGULATOR
IC404	0IMCRTI019A	IC,TFP410 64P TQFP TRAY TRANSMITTER PANEL BUS 165MHZ
IC405	0ISH122100B	IC,PQ12RD21 4SIP ST REGULATOR
IC405	0IMP242560A	IC,24LC256-I/SM 8P,SOP TP 256K II
IC406	0IKE780500Q	IC,KIA7805API 3P TO-220 ST REGULATOR 5V
IC406	0IMCRET002B	IC,EL2250CS ELANTEC 8P R/TP OP AMP
IC407	0ISG111725B	IC,LD1117V25 3 SIP ST REGULATOR
IC407	0IPH741400E	IC,74HC14D 14SOP TP SHITTER TRIGGER
IC408	0ISG111733B	IC,LD1117V33C 3SIP ST REGULATOR
IC409	0ISH052100C	IC,PQ05RD21 4SIP ST REGULATOR
IC410	0IKE780500Q	IC,KIA7805API 3P TO-220 ST REGULATOR 5V
IC411	0IKE780800J	IC,KIA7808API 3 ST REGULATOR .
IC412	0IKE780900E	IC,KIA7809PI 3P(TO-220IS)1A,9V
IC413	0IKE780900M	IC,KIA7809API TO220 ST 3P 9V REGULATOR
IC414	0ISH302122A	IC,PQ30RV21 TO-220
IC415	0ITK118100A	IC,TK1181M 6SOP R/TP DC-DC CONVERTER 61W
IC5	0IMX811000A	IC,MAX811REUT-T 128QFP BK RESET
IC502	0IZZVA0070A	IC,M27W201 32PIN ST EPROM+LABEL
IC6	0IMI623200B	IC,M62320FP,I/O EXPANDER 16P SOP TP
IC601	0IIT341120B	IC,MSP3411G QA A2 64P QFP BK DOLBY VIRTUAL SOUND PRO
IC602	0IFA753307A	IC,KA75330ZTA(KA7533ZTA) 3P,TO-92 TP 3.3V RESET IC
IC7	0IMI623200B	IC,M62320FP,I/O EXPANDER 16P SOP TP
IC811	0IMCRON002A	IC,MC33262P ON SEMI 8P DIP ST POWER FACTOR CON
IC821	0ISK666813A	IC,STR-F6668B(LF1352) 5PIN BK STR FD-60X3R
IC831	0ISK615311B	IC,STR-G6153T(LF1101) 5PIN BK STR
IC841	0ILI817000G	IC,LTV817M-VB 4P,DIP BK PHOTO COU
IC842	0ISH122100B	IC,PQ12RD21 4SIP ST REGULATOR
IC843	0ISH122100B	IC,PQ12RD21 4SIP ST REGULATOR
IC851	0ILI817000G	IC,LTV817M-VB 4P,DIP BK PHOTO COU
Q111	0IFA270000A	IC,2N7000TA TO-92, 3P TP LEVEL SHIFT 60V/0.2A
Q112	0IFA270000A	IC,2N7000TA TO-92, 3P TP LEVEL SHIFT 60V/0.2A
TRANSISTOR		
IC202	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL S/W
IC203	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL S/W
Q1	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q101	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q103	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q105	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q106	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q107	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q107	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q108	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q109	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q110	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q110	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q111	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q112	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q113	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q114	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q115	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL S/W
Q116	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL S/W
Q1601	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q2	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q201	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q202	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q203	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q204	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q205	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q206	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q207	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q208	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q209	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q210	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q213	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q3	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q301	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q302	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q304	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q4	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q400	0TFFC80016A	TR,FAIRCHILD FQT13N06 R/TP SOT223 60V 2.8A
Q5	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q510	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q511	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q6	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
Q601	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q602	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q7	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q8	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q811	0TF283700AA	TR,2SK2837 BK TOSHIBA 500V 20A TO3P
Q841	0TR945009AA	TR,KSC945C-Y SAMSUNG TP TO92 50V 150MA
Q846	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q847	0TR319809AA	TR,KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q855	0TR945009AA	TR,KSC945C-Y SAMSUNG TP TO92 50V 150MA
Q9	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
DIODE		
D1	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D1602	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D1603	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D1605	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D2	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D2	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D200	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D3	0DD226239AA	DIODE,SWITCHING CHIP KDS226 SOT-23
D300	0DL112100AA	LED,SR3411(DL-11S2RN1) BK RED -
D4	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D402	0DR050008AA	DIODE,RECTIFIERS SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
D403	0DR050008AA	DIODE,RECTIFIERS SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
D404	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D404	0DR050008AA	DIODE,RECTIFIERS SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
D405	0DR050008AA	DIODE,RECTIFIERS SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
D406	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D410	0DRSE00038A	DIODE,SDC15 TVS DIODE ARRAY SEMTECH R/TP SOT23 12.8V 10A
D411	0DRSE00038A	DIODE,SDC15 TVS DIODE ARRAY SEMTECH R/TP SOT23 12.8V 10A
D430	0DD414809ED	DIODE,1N4148 TA
D431	0DD414809ED	DIODE,1N4148 TA
D432	0DD414809ED	DIODE,1N4148 TA
D433	0DD414809ED	DIODE,1N4148 TA
D434	0DD414809ED	DIODE,1N4148 TA
D435	0DD414809ED	DIODE,1N4148 TA
D436	0DD414809ED	DIODE,1N4148 TA
D437	0DD414809ED	DIODE,1N4148 TA
D5	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D5	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D6	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D601	0DD226239AA	DIODE,SWITCHING CHIP KDS226 SOT-23
D7	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D8	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D801	0DD606000AA	DIODE,RECTIFIERS RBV606 BK NA 600V 6A 150A NA 10UA
D810	0DD100009AM	DIODE,RECTIFIERS EU1ZV(1) TP
D821	0DD100009AM	DIODE,RECTIFIERS EU1ZV(1) TP
D822	0DD100009AM	DIODE,RECTIFIERS EU1ZV(1) TP
D824	0DD100009AM	DIODE,RECTIFIERS EU1ZV(1) TP
D831	0DD260000BB	DIODE,RECTIFIERS BRIDGE D2SBA60(STK)
D832	0DD100009AM	DIODE,RECTIFIERS EU1ZV(1) TP
D836	0DR010009AA	DIODE,EG01C TP 1000V 0.5A 10A 100NSEC 50UA

LOCA. NO	PART NO	DESCRIPTION
D841	0DD100009AP	DIODE,RECTIFIERS EG1ZV(1) TP N
D842	0DD100009AP	DIODE,RECTIFIERS EG1ZV(1) TP
D846	0DD414809ED	DIODE,1N4148 TA
D851	0DD220000AC	DIODE,RECTIFIERS FML-G22S 200V 10A 150A 40E-9 SEC 200E-6A
D861	0DD420000BB	DIODE,D4L20U SHINDENGEN
D871	0DD100009AP	DIODE,RECTIFIERSEG1ZV(1) TP
D891	0DR260001AA	DIODE,TO220 600V 6A 50A 100NSEC 0.005A
Q811	0DR260001AA	DIODE,TO220 600V 6A 50A 100NSEC 0.005A
ZD10K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD11K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD12K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD13K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD14K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD15K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD1K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD2K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD401	0DR190309AA	DIODE,RECTIFIERS MBRS190T3 TP - 90V 1A 50A
ZD4K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD5K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD601	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD602	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD603	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD604	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD6K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD7K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD841	0DZ240009BC	DIODE,ZENER MTZ2.4B 2.4V K-ROHM TP
ZD855	0DZ240009BC	DIODE,ZENER MTZ2.4B 2.4V K-ROHM TP
ZD8K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
ZD9K	0DZRM00178A	DIODE,ZENERS UDZS TE-17 5.1B ROHM R/TP SMD 0.2W 5.1V
CAPACITOR		
C1	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C10	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C101	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C102	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C104	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C104	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C105	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C106	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) SMD
C11	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) SMD
C117	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C120	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C124	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C125	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C126	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C127	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C139	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C147	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C148	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C158	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C1601	0CE107DH618	100UF STD 25V M FL TP5
C1602	0CE106DK618	10UF STD 50V M FL TP5

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RD : Carbon Film
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RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C1603	0CE107DH618	100UF STD 25V M FL TP5
C1604	0CE106DK618	10UF STD 50V M FL TP5
C1605	0CE107DH618	100UF STD 25V M FL TP5
C1606	0CE106DF618	10UF STD 16V M FL TP5
C1607	0CE108DK61A	1000UF STD 50V M FL TP7.5
C1608	0CE106DF618	10UF STD 16V M FL TP5
C1609	0CE106DF618	10UF STD 16V M FL TP5
C1610	0CE108DJ618	1000UF STD 35V M FL TP5
C1611	0CE108DJ618	1000UF STD 35V M FL TP5
C1612	0CQ6821N509	0.0068U 100V K POLY TP
C1613	0CQ6821N509	0.0068U 100V K POLY TP
C1614	0CE226DF618	22UF STD 16V M FL TP5
C1615	0CE108DF618	1000UF STD 16V M FL TP5
C1616	0CQ1041N509	0.1U 100V K POLY TP
C1618	0CQ1041N509	0.1U 100V K POLY TP
C168	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C172	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C173	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C175	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C183	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C185	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C186	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C187	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C188	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C190	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C191	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C192	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C193	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C194	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C195	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C198	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C1K	0CE4763F618	47UF SRE 16V M FL TP5
C2	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C200	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C201	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C202	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C203	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C204	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C205	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C206	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C207	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C207	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C208	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C209	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) SMD
C210	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C211	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C211	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C212	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C212	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C213	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C214	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C215	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)

LOCA. NO	PART NO	DESCRIPTION
C215	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C216	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C216	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C217	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C219	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C220	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C221	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C224	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C225	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C226	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C227	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C232	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C233	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C234	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C235	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C236	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C237	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C238	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C240	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C249	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C260	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C261	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C262	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C27	0CE2263F618	22UF SRE 16V M FL TP5
C270	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C271	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C272	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C277	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C290	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD
C3	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C301	0CE106DF618	10UF STD 16V M FL TP5
C302	0CE106DF618	10UF STD 16V M FL TP5
C312	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C314	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C315	0CE107DF618	100UF STD 16V M FL TP5
C316	0CE106DF618	10UF STD 16V M FL TP5
C32	0CE4763F618	47UF SRE 16V M FL TP5
C359	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C362	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C371	0CE336SC6DC	33UF MVG 6.3V M SMD R/TP
C372	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C4	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C401	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C402	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C403	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD
C403	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C404	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD
C405	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) SMD
C406	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C407	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C408	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C409	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD

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LOCA. NO	PART NO	DESCRIPTION
C410	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C411	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C411	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C412	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C412	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C417	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C425	0CE477DD618	470UF STD 10V M FL TP5
C425	0CE477BD618	470UF KME TYPE 10V 20% FL TP 5
C426	0CE477DD618	470UF STD 10V M FL TP5
C427	0CE227DD618	220UF STD 10V M FL TP5
C427	0CE227BF618	220UF KME 16V M FL TP5
C428	0CE227DD618	220UF STD 10V M FL TP5
C429	0CE227BH618	220UF KME 25V M FL TP5
C430	0CE477DF618	470UF STD 16V 20% FL TP 5
C431	0CE227BH618	220UF KME 25V M FL TP5
C432	0CE107DD618	100UF STD 10V M FL TP5
C432	0CE107BF618	100UF KME 16V M FL TP5
C433	0CE107DD618	100UF STD 10V M FL TP5
C434	0CE107DD618	100UF STD 10V M FL TP5
C434	0CE107BF618	100UF KME 16V M FL TP5
C435	0CE107DD618	100UF STD 10V M FL TP5
C436	0CE107DF618	100UF STD 16V M FL TP5
C437	0CE107DD618	100UF STD 10V M FL TP5
C438	0CE107DF618	100UF STD 16V M FL TP5
C438	0CE107BF618	100UF KME 16V M FL TP5
C450	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C453	0CE107DD618	100UF STD 10V M FL TP5
C453	0CE107BF618	100UF KME 16V M FL TP5
C454	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C455	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C456	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C456	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C5	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C504	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C510	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C515	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C6	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) SMD
C604	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C605	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C607	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD
C608	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C609	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C610	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD
C611	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C612	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C615	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C653	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD
C7	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C8	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C800	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)
C801	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C801	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)

LOCA. NO	PART NO	DESCRIPTION
C810	0CF1050W470	1UF 0 500V 5% BULK M/PP NI
C811	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C812	0CK1020K945	1000PF 50V Z F TR
C816	0CE107BK618	100UF KME 50V M FL TP5
C818	181-007J	MPE ECQ-V1H564JL3(TR), 50V 0.56UF J
C819	0CQ1031N509	0.01U 100V K POLY TP
C821	181-001K	CE 450V 220UF M LUG(105)
C822	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C823	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C824	0CE476BK618	47UF KME 50V M FL TP5
C825	0CE476BK618	47UF KME 50V M FL TP5
C826	181-011B	0.001UF D 1.6KV J M/PP NI FM20
C831	0CE3366W650	33UF SMS,SG 500V 20% FM7.5 BULK
C832	0CE226BK618	22UF KME 50V M FL TP5
C833	0CE226BK618	22UF KME 50V M FL TP5
C836	181-010K	PP 0.01UF 630V 5% FM 7.5MM
C839	0CK1030K945	0.01UF 50V Z F TR
C841	0CE477BF618	470UF KME 16V M FL TP5
C842	0CE477BH618	470UF KME TYPE 25V 20% FL TP 5
C843	0CE107BF618	100UF KME 16V M FL TP5
C844	0CE107BF618	100UF KME 16V M FL TP5
C845	0CE107BF618	100UF KME 16V M FL TP5
C846	0CK1040K945	0.1UF 50V Z F TR
C851	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C852	0CE228BH61A	2200UF KME 25V M FL TP7.5
C853	0CE228BH61A	2200UF KME 25V M FL TP7.5
C854	0CE228BH61A	2200UF KME 25V M FL TP7.5
C855	0CK1040K945	0.1UF 50V Z F TR
C861	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C862	0CE228BF618	2200UF KME 16V M FL TP5
C863	0CE108BF618	1000UF KME 16V M FL TP5
C872	0CE108BH618	1000UF KME 25V M FL TP5
C873	0CE108BH618	1000UF KME 25V M FL TP5
C892	0CE108BK61A	1000UF KME 50V M FL TP7.5
C893	0CE108BK61A	1000UF KME 50V M FL TP7.5
C895	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C898	181-120N	1000PF 4KV M E FMTW LEAD4.5
C899	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C9	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
JACK		
JA1K	380-374A	JACK ASSY,A/V(RCA 3EA+DIN 1EA)
JA201	6613V00011A	JACK ASSY,PMJ018A 21P SCART+A/V 2P(MONO) WH+RD(4.5 ABOVE)
JA202	6612VMH002A	JACK,SCART PMJ020A 2X21 PIN ABOVE 4.5MM
P101B	6612VMH003A	JACK,SCART 36510-0032 MOLEX 48PIN PITCH2.54MM
P102B	6612VMH003A	JACK,SCART 36510-0032 MOLEX 48PIN PITCH2.54MM
P401B	6612VMH003A	JACK,SCART 36510-0032 MOLEX 48PIN PITCH2.54MM
P402B	6612VMH003A	JACK,SCART 36510-0032 MOLEX 48PIN PITCH2.54MM
P403	6612BBBHN6A	JACK,DIN 440062-1 AMP DVI INTERACED RIGHT ANGLE
COIL & TRANSFORMER		
L302	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP

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LOCA. NO	PART NO	DESCRIPTION
L841	150-C02F	COIL,CHOKE 82UH PHY TURN
L842	150-C02F	COIL,CHOKE 82UH PHY TURN
L851	150-C02G	COIL,CHOKE CHOKE 90UH R 1824
L861	150-C02F	COIL,CHOKE 82UH PHY TURN
L871	150-C02F	COIL,CHOKE 82UH PHY TURN
L891	150-C02F	COIL,CHOKE 82UH PHY TURN
T801	6170VMCA03E	TRANSFORMER,SMPS EER4942 650UH STRF6668
T802	6170VS0006A	TRANSFORMER,STAND-BY EE2229 2900UH
T811	6170VMCA37B	TRANSFORMER,SMPS PQ3535 310UH
CONNECTOR		
P101A	6932V25004A	CONNECTOR,36512-0098 MALE MOLEX 48 2.54 D-TV
P102A	6932V25004A	CONNECTOR,36512-0098 MALE MOLEX 48 2.54 D-TV
P111	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P1600	366-932C	CONNECTOR,2.5MM 4P GIL-G LG CABLE S
P1601	366-932B	CONNECTOR,2.5MM 3P GIL-G LG CABLE S
P2	6602V12001B	CONNECTOR,1.25MM 3P 53261-0390 J-MOLEX SMD-
P201A	6932V25004A	CONNECTOR,36512-0098 MALE MOLEX 48 2.54 D-TV
P202A	6932V25004A	CONNECTOR,36512-0098 MALE MOLEX 48 2.54 D-TV
P203A	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE S
P203B	366-922B	CONNECTOR,2.5MM 3P GIL-G LG CABLE R/A
P3	6602V12001B	CONNECTOR,1.25MM 3P 53261-0390 J-MOLEX
P301	366-921F	CONNECTOR,2.5MM 7P GIL-G LG CABLE .
P4	6602V12001B	CONNECTOR,1.25MM 3P 53261-0390 J-MOLEX
P401	366-922E	CONNECTOR,2.5MM 6P GIL-G LG CABLE R/A
P402	366-921L	CONNECTOR,2.5MM 12P GIL-G LG CABLE
P403	366-932D	CONNECTOR,2.5MM 5P GIL-G LG CABLE S
P404	6630VGA004A	CONNECTOR,68107-0922 MOLEX 9PIN 2.77MM ANGLE GOLD
P5	6602V12001A	CONNECTOR,1.25MM 2P 53261-0290 J-MOLEX
P5A	366-932F	CONNECTOR,IL-G LGC 7 2.5S STICK
P5B	366-922F	CONNECTOR,2.5MM 7P GIL-G LG CABLE R/A
P6	366-169B	CONNECTOR,WAFER 2MM,3PIN,GIL-S
P601A	366-932L	CONNECTOR,2.5MM 12P GIL-G LG CABLE S
P601B	366-932L	CONNECTOR,2.5MM 12P GIL-G LG CABLE S
P800A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P800B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P800C	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P801A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P801B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P801B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P801C	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P802A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P802B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P802C	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P803A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P803A	366-932E	CONNECTOR,2.5MM 6P GIL-G LG CABLE S
P803B	366-922E	CONNECTOR,2.5MM 6P GIL-G LG CABLE R/A
P803B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P804A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P804B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P805A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P805B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO

LOCA. NO	PART NO	DESCRIPTION
P806A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P806B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P811	6602V39002A	CONNECTOR,3.96MM 2P YW396-03AV
P811	6631V00004J	CONNECTOR,3P 3.96MM 600MM H-H UL1617 AWG22
P826A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P826B	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P841A	366-932E	CONNECTOR,2.5MM 6P GIL-G LG CABLE S
P851	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P890A	366-932D	CONNECTOR,2.5MM 5P GIL-G LG CABLE S
RESISTOR		
AR100	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5% CHIP 100 OHM*4
AR101	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5% CHIP 100 OHM*4
AR102	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5% CHIP 100 OHM*4
AR103	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5% CHIP 100 OHM*4
AR104	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5% CHIP 100 OHM*4
AR105	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5% CHIP 100 OHM*4
AR106	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5% CHIP 100 OHM*4
AR301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR306	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
FB861	0RP0050H709	0.05 OHM 1/2 W 10% TA52
FB861	0RP0020J809	0.02 OHM 1 W 20% TA52
FB871	0RP0050H709	0.05 OHM 1/2 W 10% TA52
FB871	0RP0020J809	0.02 OHM 1 W 20% TA52
FB891	0RP0050H709	0.05 OHM 1/2 W 10% TA52
FB891	0RP0020J809	0.02 OHM 1 W 20% TA52
FR831	0RF0221H609	2.2 OHM 1/2 W 5.00% TA52
R104	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R1606	0RF0331H609	3.3 OHM 1/2 W 5.00% TA52
R1609	0RF0331H609	3.3 OHM 1/2 W 5.00% TA52
R1615	0RS2201K607	2.2K OHM 2 W 5.00% TA62
R1616	0RS2201K607	2.2K OHM 2 W 5.00% TA62
R401	0RN1201F409	1.2K OHM 1/6 W 1.00% TA52
R401	0RN1801F409	1.8K OHM 1/6 W 1.00% TA52
R402	0RN1201F409	1.2K OHM 1/6 W 1.00% TA52
R407	0RN1201F409	1.2K OHM 1/6 W 1.00% TA52
R408	0RN2001F409	2K OHM 1/6 W 1.00% TA52
R409	0RN2001F409	2K OHM 1/6 W 1.00% TA52
R411	0RN1201F409	1.2K OHM 1/6 W 1.00% TA52
R411	0RN2001F409	2K OHM 1/6 W 1.00% TA52
R425	0RN1201F409	1.2K OHM 1/6 W 1.00% TA52
R426	0RN1201F409	1.2K OHM 1/6 W 1.00% TA52
R68	0RD1001F609	1K OHM 1/6 W 5% TA52
R801	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R802	0RD0392F609	39 OHM 1/6 W 5.00% TA52
R803	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R804	0RD2202F609	22K OHM 1/6 W 5% TA52
R805	0RN1002F409	10K OHM 1/6 W 1.00% TA52

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R806	0RD0152F609	15 OHM 1/6 W 5.00% TA52
R808	0RS2702K607	27K OHM 2 W 5.00% TA62
R809	0RS1802K607	18K OHM 2 W 5.00% TA62
R811	0RN3903F409	390K 1/6W 1% TA52
R812	0RN3903F409	390K 1/6W 1% TA52
R813	0RN3903F409	390K 1/6W 1% TA52
R814	0RN3303F409	330K OHM 1/6 W 1.00% TA52
R815	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R816	0RN3903F409	390K 1/6W 1% TA52
R817	0RN3903F409	390K 1/6W 1% TA52
R818	0RN3903F409	390K 1/6W 1% TA52
R819	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R820	0RD1202F609	12K OHM 1/6 W 5% TA52
R821	180-A01M	0.22 OHM 2 W 5% TA62 RW ROUND G
R822	0RD1001F609	1K OHM 1/6 W 5% TA52
R823	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R824	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R826	0RS2702K607	27K OHM 2 W 5.00% TA62
R827	0RS2702K607	27K OHM 2 W 5.00% TA62
R829	0RD0561H609	5.6 OHM 1/2 W 5.00% TA52
R831	0RS0161K607	1.6 OHM 2 W 5.00% TA62
R832	0RD4702F609	47K OHM 1/6 W 5% TA52
R833	0RS1203K607	120K OHM 2 W 5.00% TA62
R836	0RS1203K607	120K OHM 2 W 5.00% TA62
R841	0RN3901F409	3.9K OHM 1/6 W 1.00% TA52
R842	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R843	0RD1001F609	1K OHM 1/6 W 5% TA52
R844	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R844	0RD1001F609	1K OHM 1/6 W 5% TA52
R845	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R846	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R847	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R848	0RD0102F609	10 OHM 1/6 W 5% TA52
R855	0RN1501F409	1.5K OHM 1/6 W 1.00% TA52
R856	0RN2201F409	2.2K OHM 1/6 W 1.00% TA52
R857	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R858	0RD2400F609	240 OHM 1/6 W 5.00% TA52
R859	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R891	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R899	0RKZVTA001D	10M OHM 1/2 W 5% TA52 UL
R90	0RN4701F409	4.7K OHM 1/6 W 1.00% TA52
SWITCH		
SW1	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SW2	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SW3	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SW4	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SW5	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SW6	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SW7	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SW801	6600VM2002A	SWITCH,SDKEA3 ALPS IEC 250V 8A HORIZONTAL 480G

LOCA. NO	PART NO	DESCRIPTION
CRYSTAL & FILTER		
FB821	125-022K	FILTER,FERRITE 1UH TAPING
FB822	125-022K	FILTER,FERRITE 1UH TAPING
FB826	125-022K	FILTER,FERRITE 1UH TAPING
FB851	125-123A	FILTER,FERRITE BFD3565R2F(TAPING)
FB861	125-123A	FILTER.FERRITE BFD3565R2F(TAPING)
L801	150-F06T	FILTER,SQE3535 20MH PHY TURN
L801	150-F09C	FILTER,SQE2828 18-35MH PHY TURN
L802	150-F06T	FILTER,SQE3535 20MH PHY TURN
L802	150-F09C	FILTER,SQE2828 18-35MH PHY TURN
L803	150-F06T	FILTER,SQE3535 20MH PHY TURN
T104	6200C000012	FILTER,TH355LSK-K5218 KOREA TOKO BK 4FW TYPE
T104	6200C000012	FILTER,TH355LSK-K5218 KOREA TOKO BK 4FW TYPE
T105	6200C000012	FILTER,TH355LSK-K5218 KOREA TOKO BK 4FW TYPE
T106	6200C000012	FILTER,TH355LSK-K5218 KOREA TOKO BK 4FW TYPE
T250	6200C000012	FILTER,TH355LSK-K5218 KOREA TOKO BK 4FW TYPE
T251	6200C000012	FILTER,TH355LSK-K5218 KOREA TOKO BK 4FW TYPE
T400	6200VJT006A	FILTER,STC222D NIIGATA 50VOLT 4A 2200
T400	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T401	6200VJT006A	FILTER,STC222D NIIGATA 50VOLT 4A 2200
T401	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T402	6200VJT006A	FILTER,STC222D NIIGATA 50VOLT 4A 2200
T402	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T403	6200VJT006A	FILTER,STC222D NIIGATA 50VOLT 4A 2200
T403	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T404	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T405	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T406	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T407	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T408	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T409	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T410	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T411	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T412	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T413	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T414	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T415	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T416	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T417	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T418	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T419	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T420	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T421	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T422	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T423	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T424	6200VJT006A	FILTER,STC222D NIIGATA 50VOLT 4A 2200
T425	6200VJT006A	FILTER,STC222D NIIGATA 50VOLT 4A 2200
T426	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T427	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T428	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T430	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA

LOCA. NO	PART NO	DESCRIPTION
T431	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T432	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T434	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T435	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T436	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T437	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T438	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T440	6200VJT006A	FILTER,STC222D NIIGATA 50VOLT 4A 2200
T441	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T442	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T444	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T445	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T446	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T447	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
T448	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400 NIGATA 25V 200MA
X1	156-A01L	RESONATOR,CRYSTAL HC49U 6.000MHZ 30PPM 16PF BK
X101	6202VDT002E	RESONATOR,CRYSTAL SX-1SMD 20250000HZ 30PPM 16PF TP
X102	6202VDT002E	RESONATOR,CRYSTAL SX-1SMD 20250000HZ 30PPM 16PF TP
X401	6212AB2015D	RESONATOR,CRYSTAL HC-49/SM 16MHZ +/- 50 PPM 16PF
X601	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ 30PPM 10PF
ACCESSORIES		
A1	3828VA0362J	MANUAL,OWNERS MB02JA FS LG FR 084U TX 335A
A2	6710V00084U	REMOTE CONTROLLER MB02JA NON RE-44SZ2
A3	174-322C	POWER CORD,W/FILTER L=50(179B)VDE
MISCELLANEOUS		
	6501VN0001C	SENSOR ASSY,NTC 103AT-100LC 600MM
	6851V00018C	CABLE ASSEMBLY,DVI-D TO DVI-D UL20276 500MM
	4930V00269A	HOLDER LED, ASSY
F800	131-098B	FUSE,SLOW BLOW 4000MA 250 V 5.2X20 CY/GL
NTC801	163-048D	THERMISTOR,KL15L2R5 SSANSHIN +/- 15% 125V
NTC802	163-048D	THERMISTOR,KL15L2R5 SSANSHIN +/- 15% 125V
PRE01	6726VH0001A	REMOTE CONTROLLER RECEIVER 38KHZ
RL846	141-018F	RELAY,DG5D1-0-2 DAIICHI 5V 0.000106A 250V 5A
TU101	6700SL0001D	TUNER,TAFD-S212D LG SECAM-L 2 FS 2IN1
VA800	164-003K	VARISTOR,SVC621D-14A ILJIN 620V 0%
X300	6204B60001A	OSCILLATOR,SVH100DDM 13.5MHZ +/- 25 PPM 3.3V
X301	6204B47985A	OSCILLATOR,SCO-103 SUNNY 27MHZ +/- 100 PPM 3.3V

LOCA. NO	PART NO	DESCRIPTION

MAIN BOTTOM B/D

DRIVER POWER

USE 3D_DCF FOR KOR/USA

USE FOR EUR/AUS WITH TXT

DIGITAL B/D PACK

COMPONENT/PC PACK

ANALOG TUNER B/D PACK

SIGNAL TUNER CIRCUIT(2)

SCART1

SCART2

SCART3

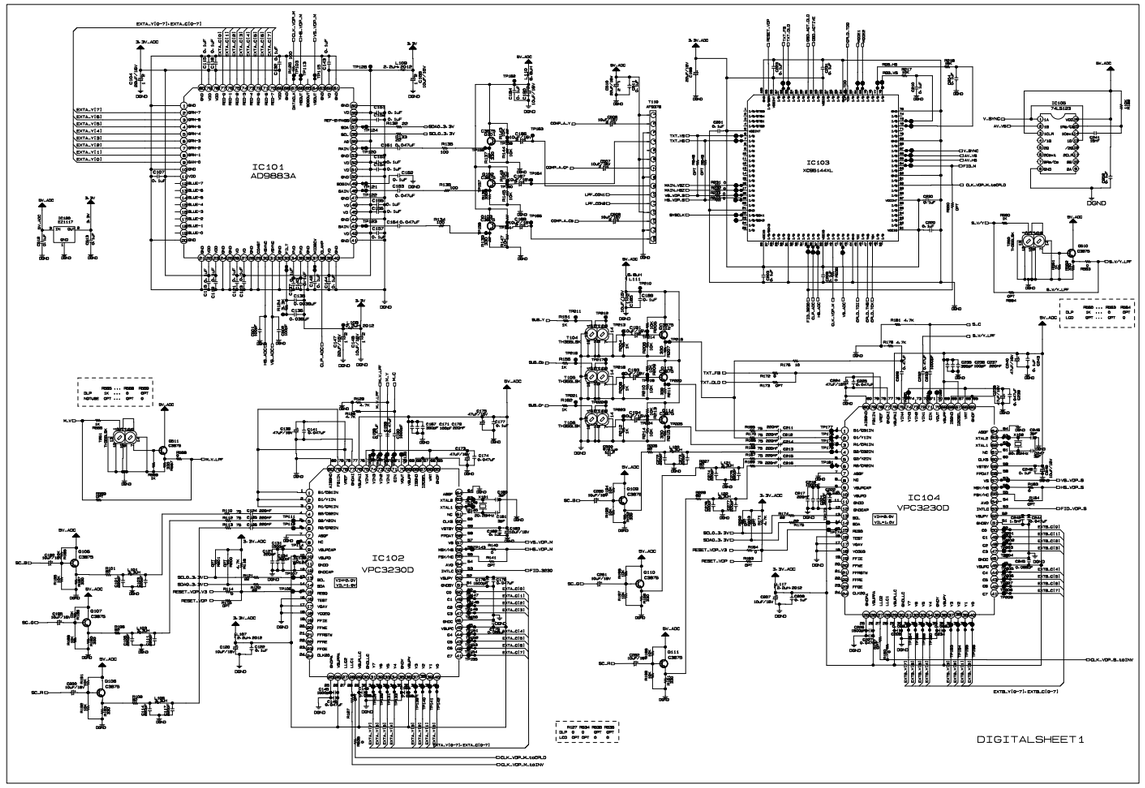
SIGNAL TUNER CIRCUIT(3)

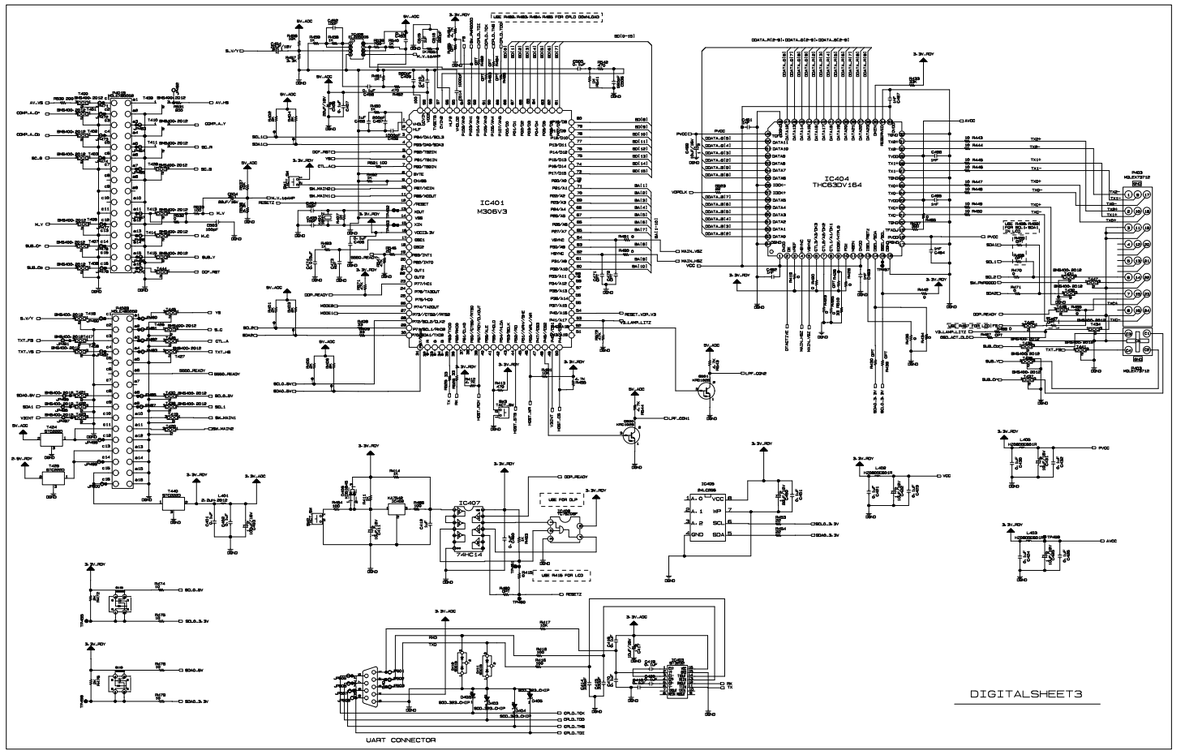
SIGNAL TUNER CIRCUIT(4)

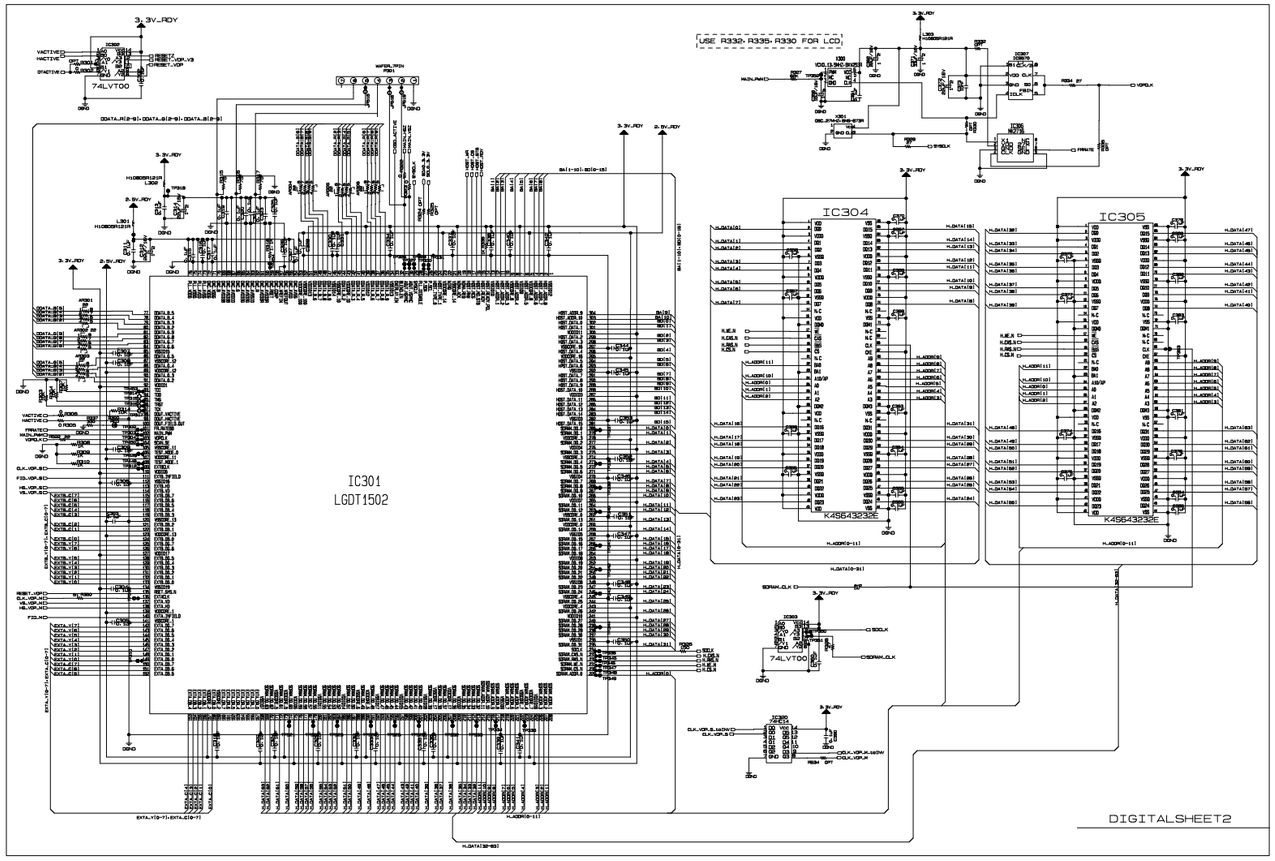
* DESCRIPTION OF IIC

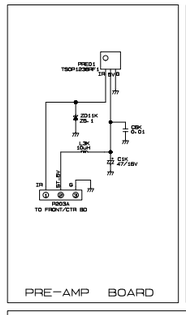
IIC0	FOR COMMUNICATION BETWEEN V3 AND TDS
IIC1	FOR COMMUNICATION BETWEEN V3 AND SDA5850
IIC2	FOR COMMUNICATION BETWEEN V3 AND DRIVE B/D
IIC3	FOR COMMUNICATION BETWEEN SDA5850 AND SUB B/D

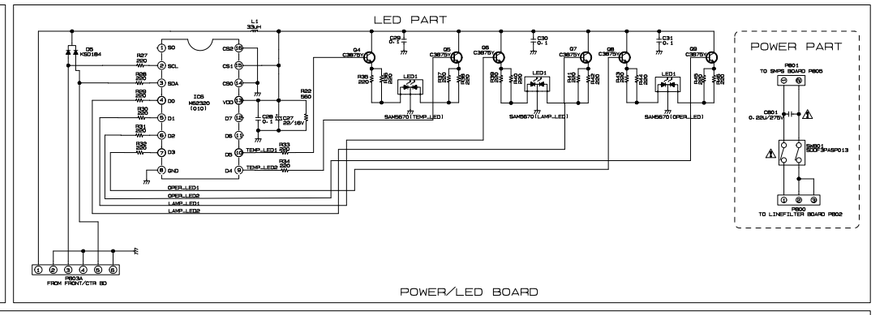
P/No : 3854VA0114A-S1(1/2)
2002.11.05

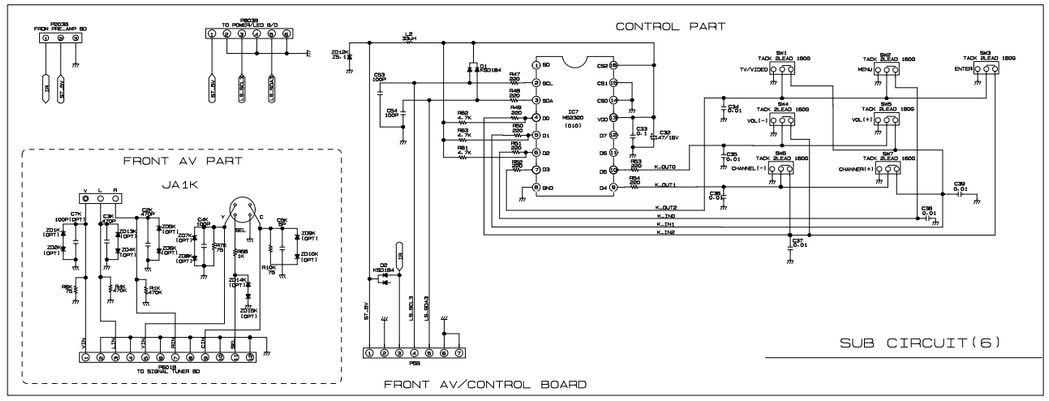




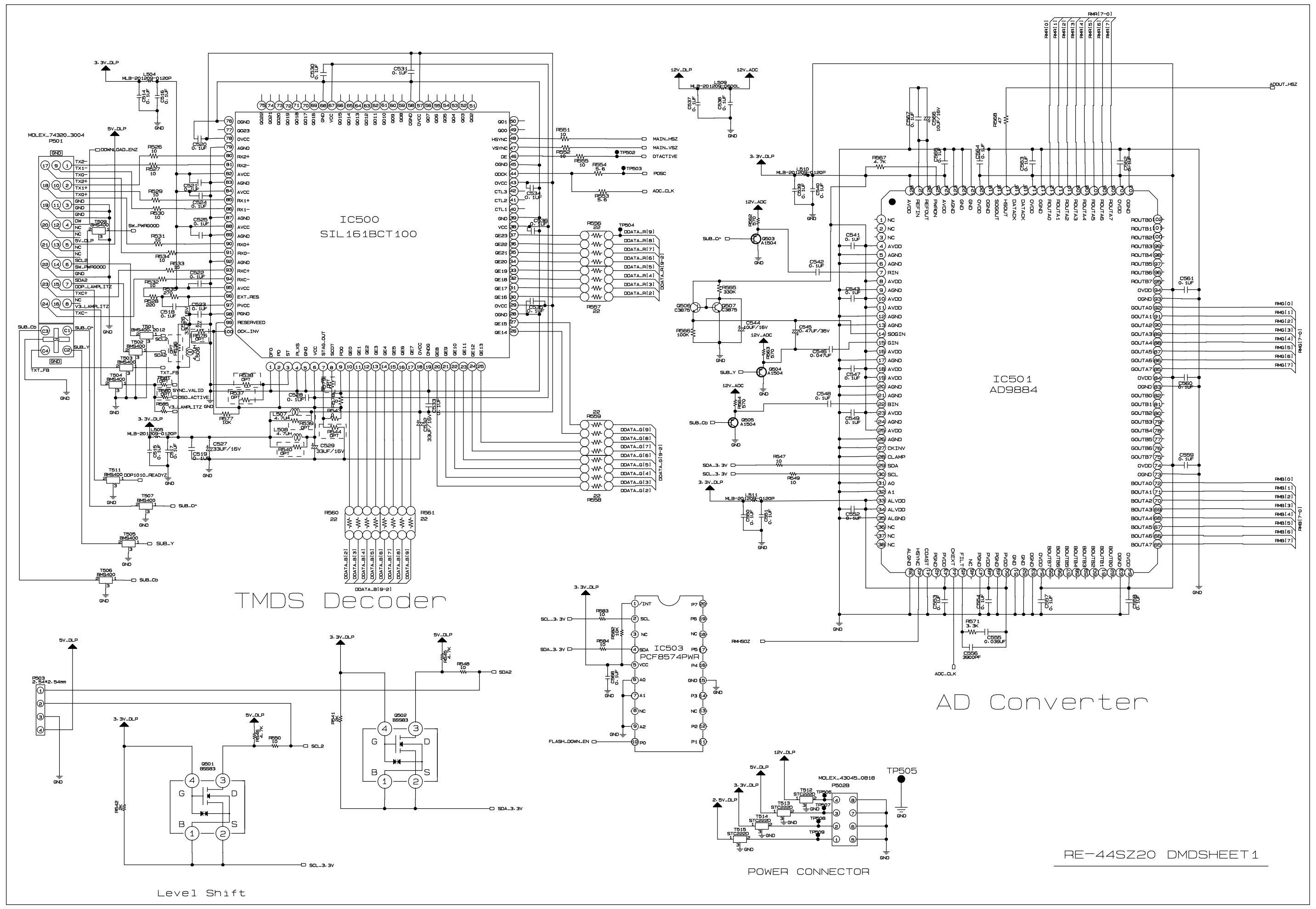


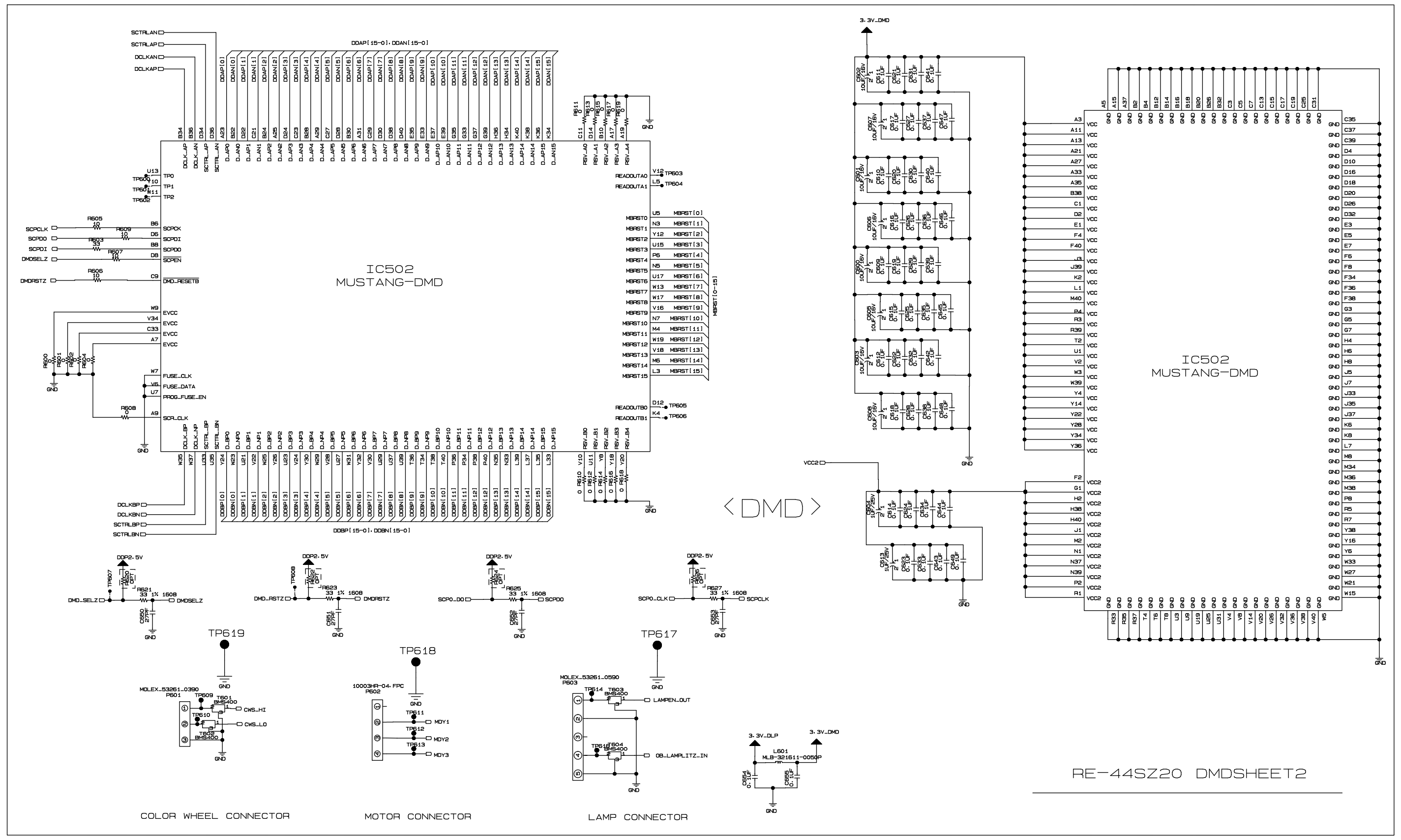


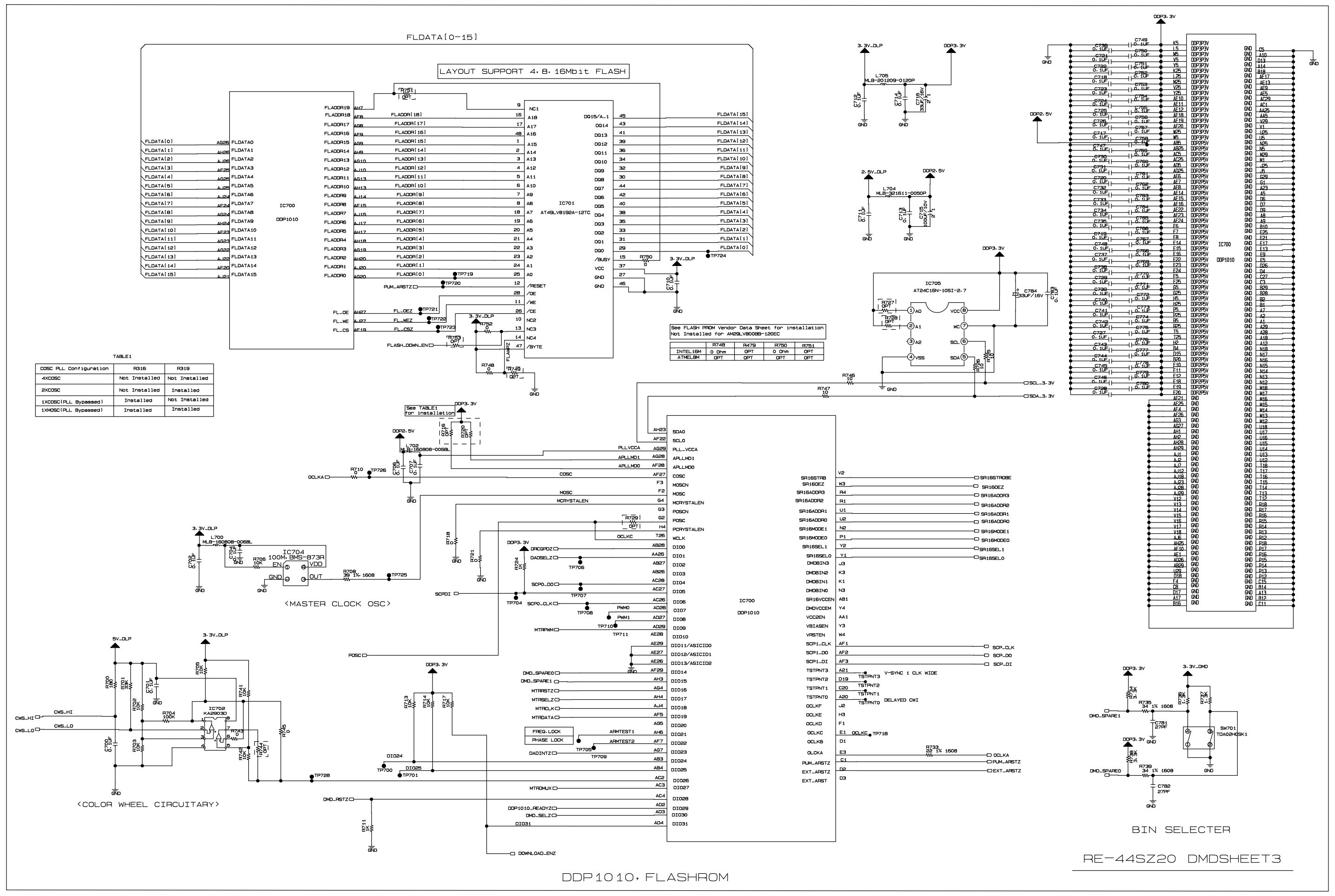


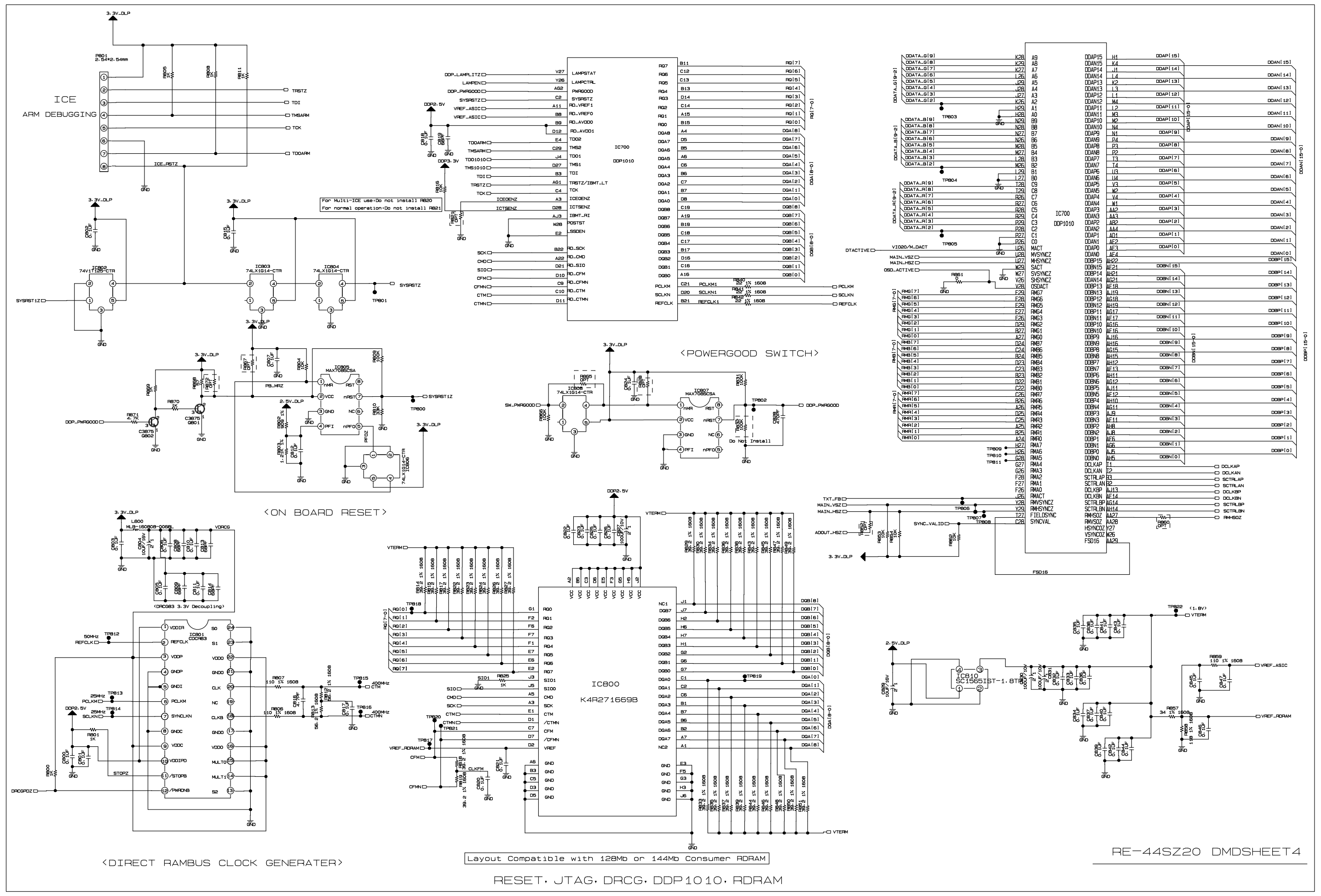


P/No : 3854VA0114A-S1(2/2)
2002.11.05









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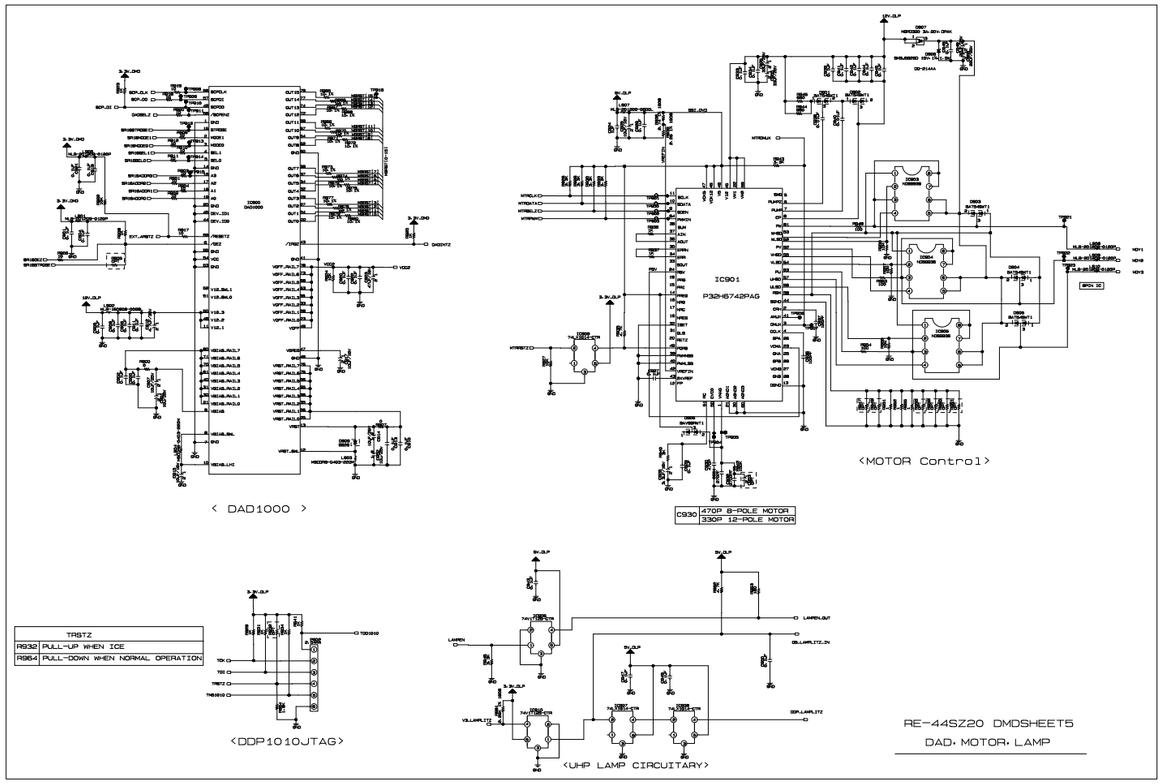
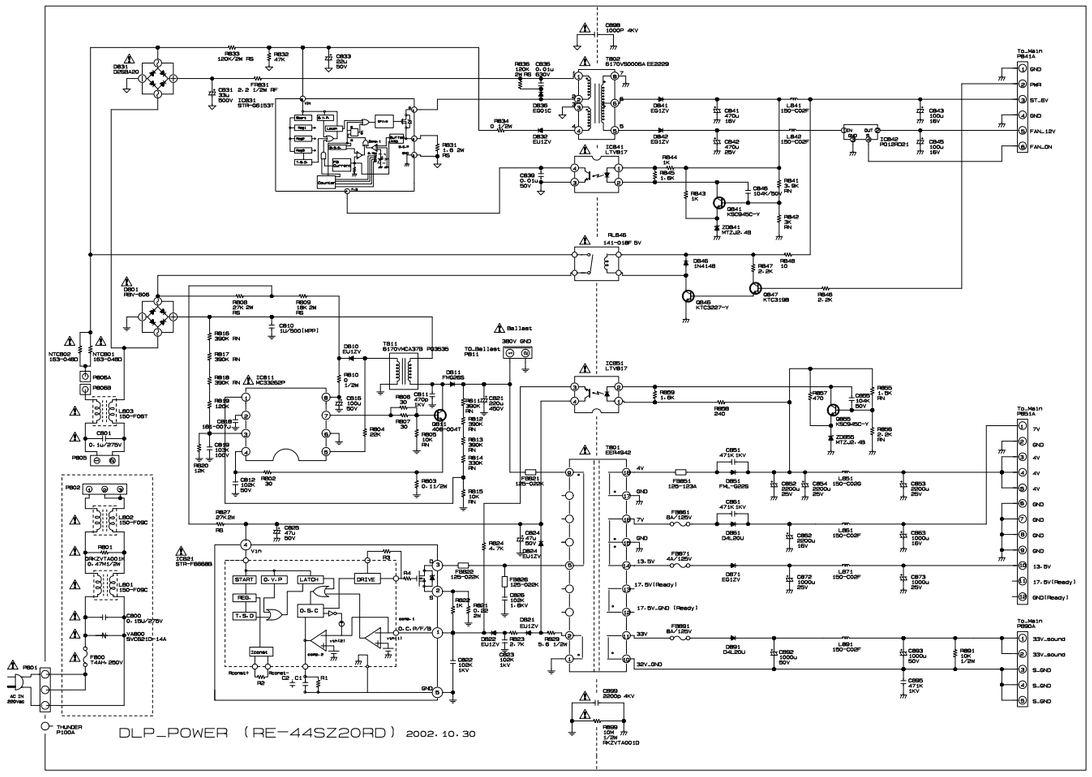
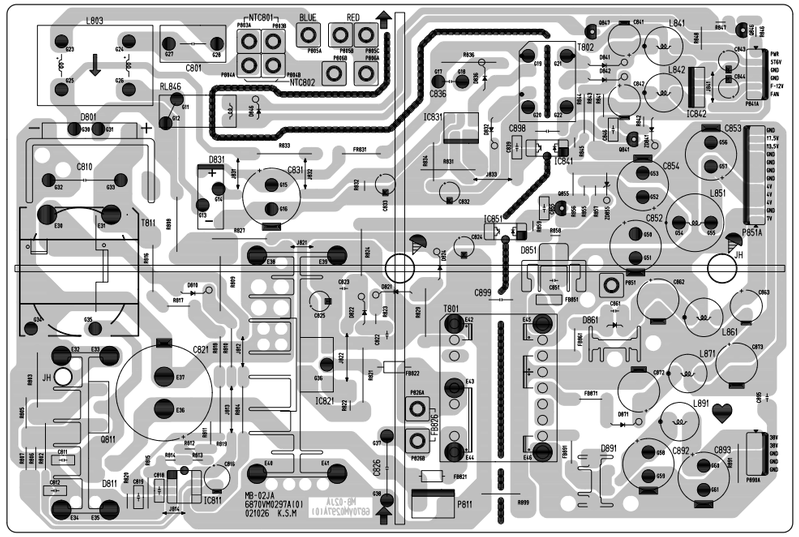
2002.11.05

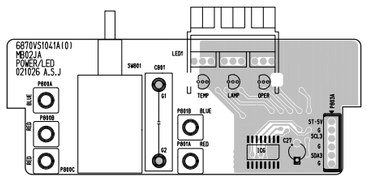




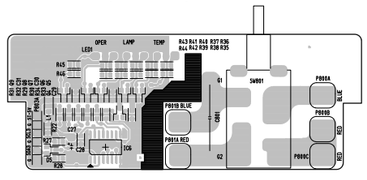
POWER



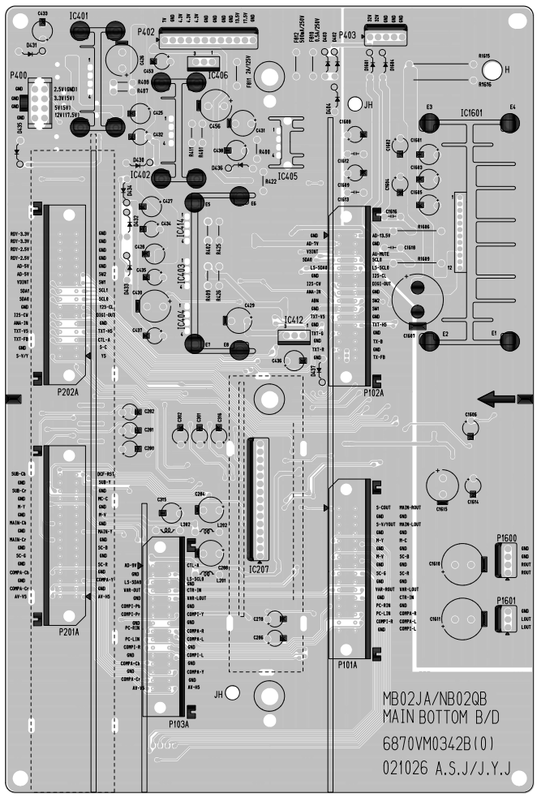
POWER/LED(TOP)



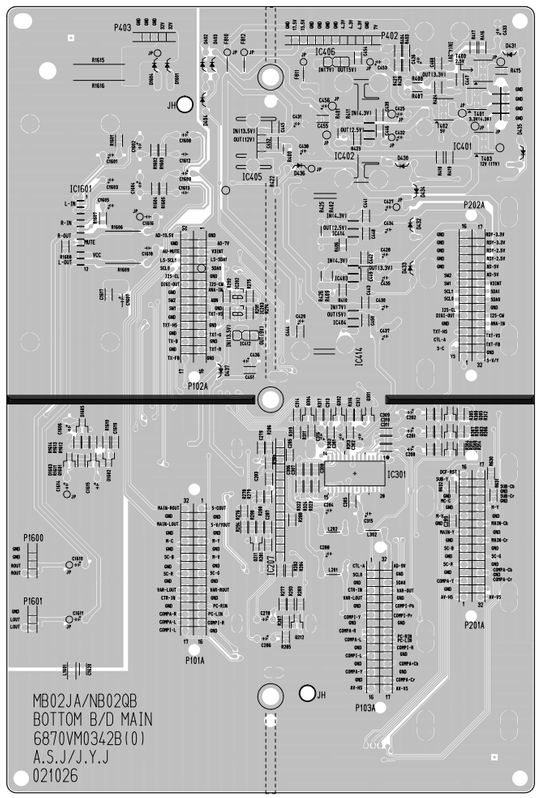
POWER/LED(BOTTOM)



MAIN (TOP)



MAIN (BOTTOM)



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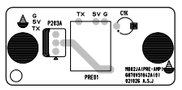

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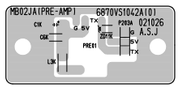

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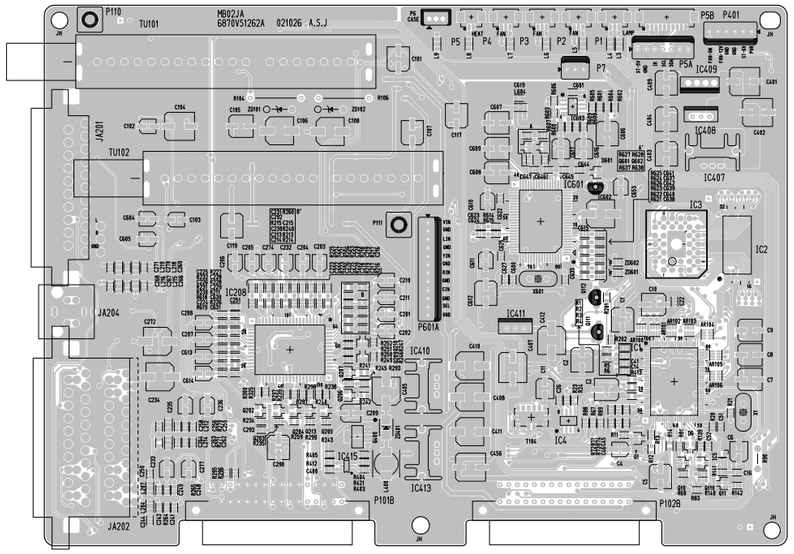

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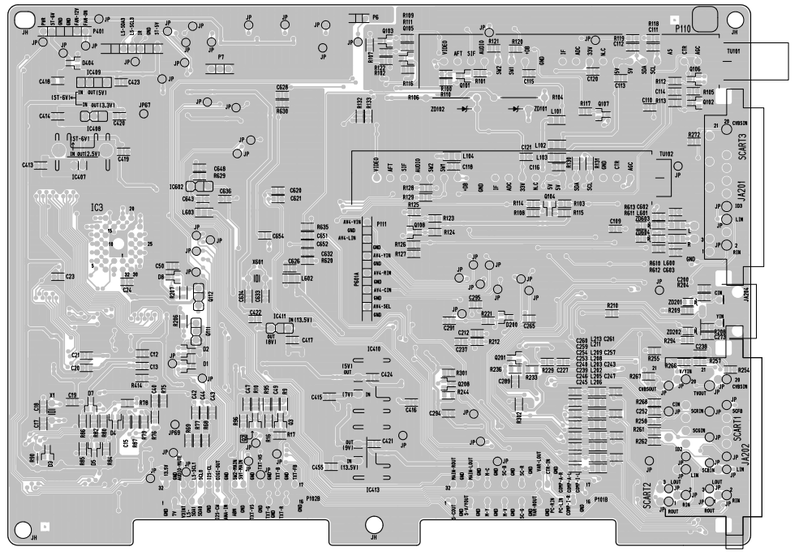

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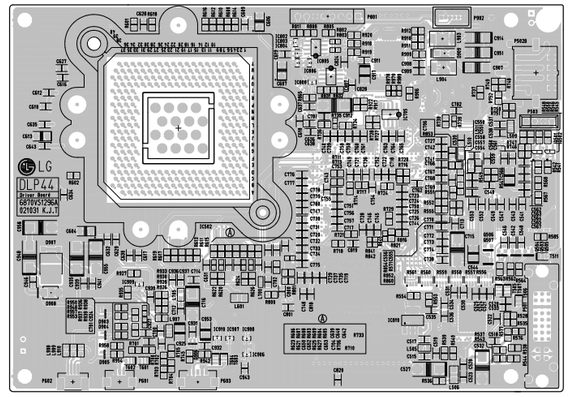

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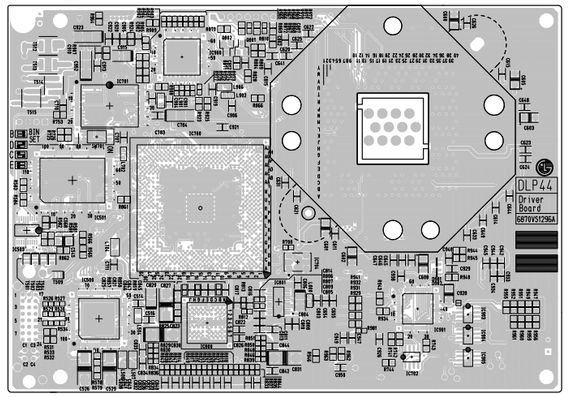

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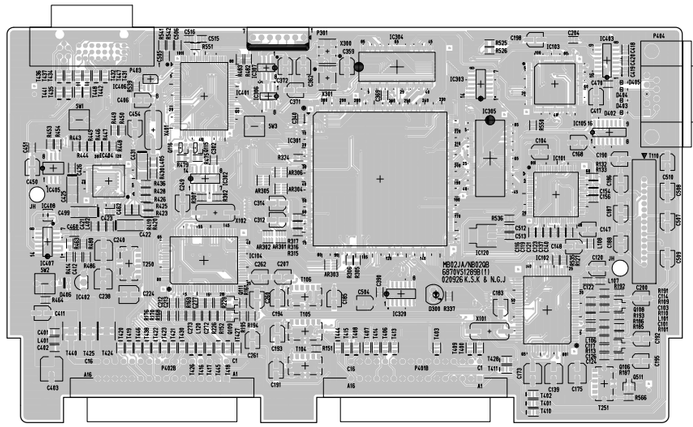

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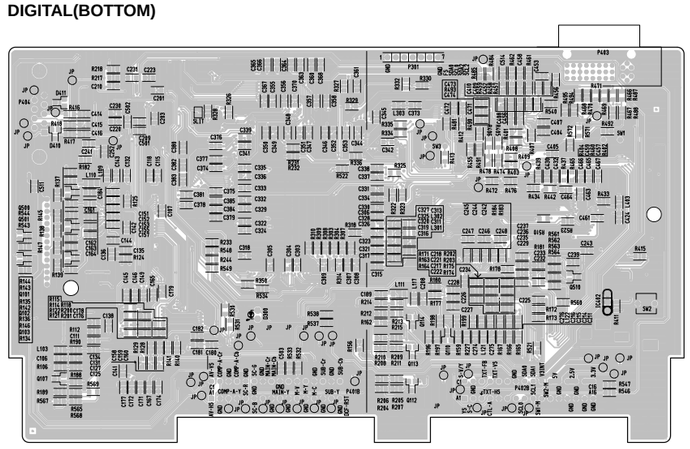

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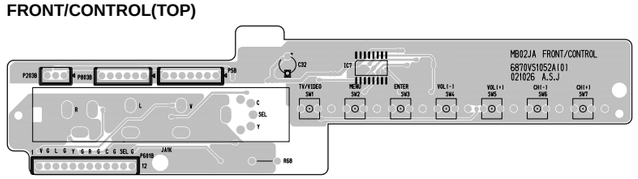

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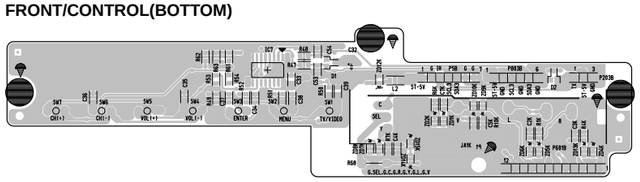

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