



**LG**

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# **COLOR TV**

# **SERVICE MANUAL**

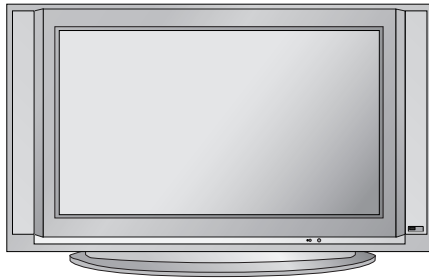
**CHASSIS : MC-035E**

**MODEL : 32FS2RMB/RNB**

**32FS2RMB/RNB-TP**

## **CAUTION**

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



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# SAFETY PRECAUTIONS

## IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by  $\Delta$  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 its components from being damaged by accidental shorts of the circuitry 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 its 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  $\pm$  1.5KV: 14-19 inch, 26  $\pm$  1.5KV: 19-21 inch,

29.0  $\pm$  1.5KV: 25-29 inch, 30.0  $\pm$  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 position, 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 1M $\Omega$  and 5.2M $\Omega$ .

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.

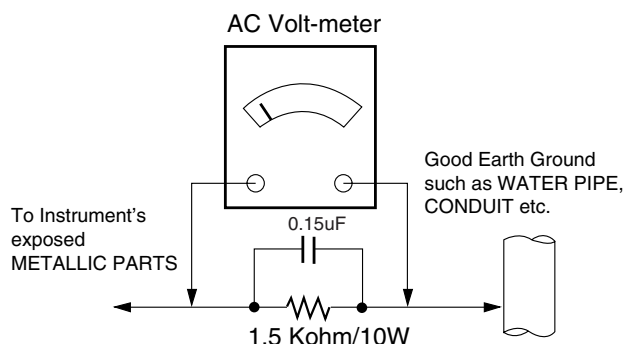
Connect 1.5K/10watt resistor in parallel with a 0.15 $\mu$ F capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

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 exposed 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 specified, 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

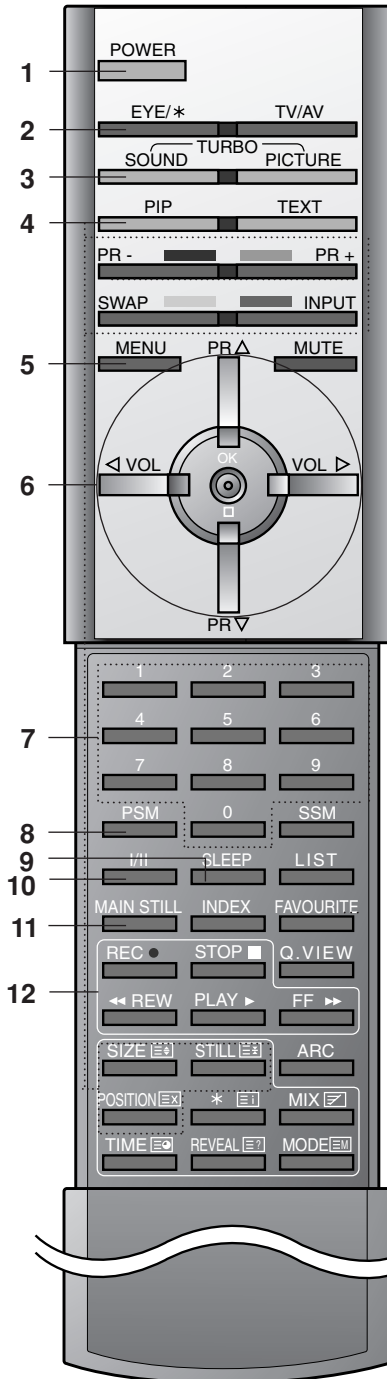


# CONTROL DESCRIPTIONS

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. **EYE/\* (option)**  
switches the eye function on or off.
3. **TURBO SOUND BUTTON**  
selects Turbo sound.
4. **PIP BUTTONS (option)**  
**PIP**  
switches the sub picture on or off.  
**PR +/-**  
selects a programme 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. **▲ / ▼ (Programme Up/Down)**  
selects a programme or a menu item.  
**◀ / ▶ (Volume Up/Down)**  
adjusts the volume.  
**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. **SLEEP**  
sets the sleep timer.
10. **I/II**  
selects the language during dual language broadcast.  
selects the sound output (option).
11. **MAIN STILL**  
freezes motion of the picture.
12. **VCR BUTTONS**  
control a LG video cassette recorder.

**13. TV/AV**

selects TV or AV mode.  
switches the set on from standby.

**14. TURBO PICTURE BUTTON**

selects Turbo picture.

**15. TELETEXT BUTTONS (option)**

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

**16. MUTE**

switches the sound on or off.

**17. SSM (Sound Status Memory)**

recalls your preferred sound setting.

**18. LIST**

displays the programme table.

**19. INDEX (option)**

switches LED DISPLAY on or off.

**20. FAVOURITE**

selects a favourite programme.

**21. Q.VIEW**

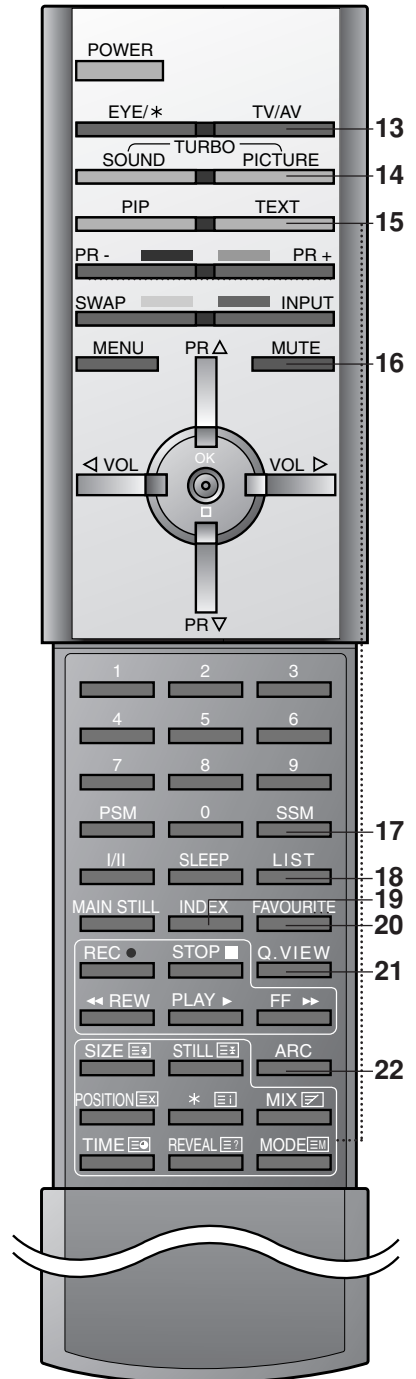
returns to the previously viewed programme.

**22. ARC (Aspect Ratio Control)**

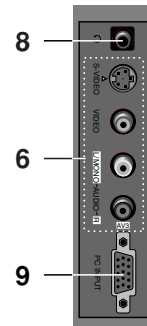
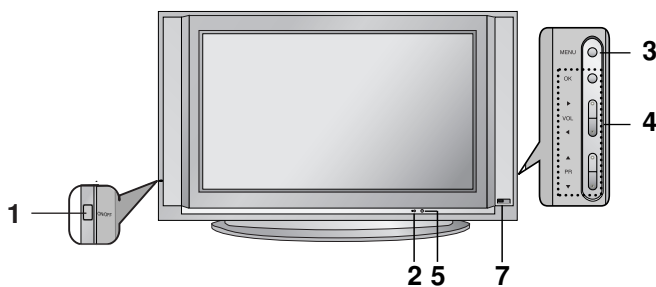
changes the picture format.

**\* : No function**

**COLOURED BUTTONS :** These buttons are used for teletext (only TELETEXT models) or programme edit.



## Front panel



## Side panel

1. **MAIN POWER (ON/OFF)**  
switches the set on or off.
2. **POWER/STANDBY INDICATOR**  
illuminates brightly when the set is in standby mode.  
dims when the set is switched on.
3. **MENU**  
selects a menu.
4. **OK**  
accepts your selection or displays the current mode.  
◀ / ▶ (**Volume Down/Up**)  
adjusts the volume.  
adjusts menu settings.  
▲ / ▼ (**Programme Up/Down**)  
selects a programme or a menu item.  
switches the set on from standby.
5. **REMOTE CONTROL SENSOR**
6. **AUDIO/VIDEO IN SOCKETS (AV3)**  
Connect the audio/video out sockets of external equipment to these sockets.  
**S-VIDEO/AUDIO IN SOCKETS (S-AV)**  
Connect the video out socket of an S-VIDEO VCR to the **S-VIDEO** socket.  
Connect the audio out sockets of the S-VIDEO VCR to the audio sockets as in **AV3**.
7. **EYE (option)**  
adjusts picture according to the surrounding conditions.
8. **HEADPHONE SOCKET**  
Connect the headphone plug to this socket.
9. **PC INPUT SOCKET (option)**  
Connect the monitor output socket of the PERSONAL COMPUTER to this socket.  
**Note** : Set the resolution of PC to VGA 640x480 (60 Hz) video mode to use this set as PC monitor.

# SPECIFICATIONS

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

## ■ Application Range

This specification can be applied to all the television related to MC-035E Chassis.

## ■ Specification

Each part is tested as below without special appointment.

- 1) Temperature : 25±5°C (77±9°F), CST : 40±5
- 2) Relative Humidity: 65±10%
- 3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz)  
\* Standard Voltage of each product is marked by models.
- 4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
- 5) The receiver must be operated for about 20 minutes prior to the adjustment.

## ■ Test Method

- 1) Performance : LGE TV test method followed.
- 2) Demanded other specification  
EMC : EN55020, EN55013  
SAFETY : IEC60065

## ■ General Specification

No.	Item	Specification
1	Receiving System	PAL/SECAM-B/G, D/K PAL I, SECAM L/L' NTSC M
2	AV Receiving System	NTSC M/PB, PAL BG, DK, I SECAM BG, DK
3	Receiving Channel	1) VHF: E2~E12 UHF: E21~E69 CATV: S1~S20 HYPER: S21~S41
		2) NTSC-M VHF : 2~13CH UHF : 14~69CH CATV : 01~125CH
4	Input Voltage	AC 110-240V/50Hz, 60Hz
5	Screen Size	FLAT 29" , WIDE FLAT 32"/28"
6	Tuning System	FVS 100/200 program
7	Operating Environment	1) Temp. : 0~40deg
		2) Humidity : 0~85%
8	Storage Environment	1) Tem : -20~60 deg
		2) Humidity : 0~85%

## ■ Feature and Function

No.	Item	Specification
1	Teletext	TOP, FLOF
2	REMOCON	LG code
3	AV input	4(Side:1, Rear:3)
4	Component input	2(Rear:option)
5	PERI TV connector	Full SCART: 1(AV1:option)
6	RGB input	Full SCART: 1(AV1:option)
7	2 Carrier Stereo	BG, DK
8	NICAM Stereo	BG, I
9	2 Carrier Dual	BG, DK
10	NICAM Dual	BG, I,
11	SSC(Split Screen) Mode	O
12	Multi Picture Display Mode	O
13	Film Mode	O
14	Noise Reduction	O
15	Progressive Scan	O
16	Motion Detection	O
17	Swivel Speaker	O(option-29FB90)
18	Digital Eye	O
19	FM TRANSMITTER	Option

# ADJUSTMENT INSTRUCTIONS

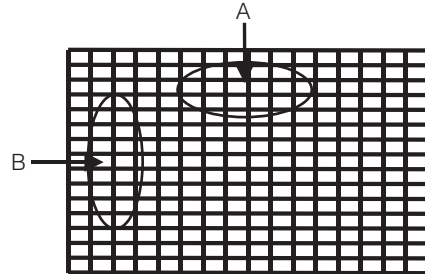
## 1. Application scope

These instructions are applied to color television MC-035E chassis.

## 2. Notes

- 1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of an isolation transformer will help protect test instruments.
- 2) Adjustments must be done in the correct order.
- 3) Surrounding adjustment condition : Adjustment is done in the following condition unless specially designated.  
Temperature :  $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$   
Relative humidity :  $65\% \pm 10\%$
- 4) The AC input voltage of the receiver must remain at rated voltage  $220\text{V} \pm 10\%$  while adjusting.
- 5) The receiver must be operated for about 15 minutes prior to the adjustment.

- 2) Adjust the upper Focus volume of FBT for the best focus of area A.
- 3) Repeat above step 1) and 2) for the best overall focus.



<Fig. 6>

## 3. DVCO Adjustment

- 1) This adjustment applies to the frame assembly unit adjustment.
- 2) This adjustment is to adjust the crystal oscillator frequency of VPC9407 and is done after receiving the digital pattern signal.
- 3) If you press the IN-START key to enter the adjustment mode, DVCO adjustment is automatically done.  
(T/X may not operate properly during DVCO adjustment.)

## 4. Temporary screen voltage adjustment

- 1) This adjustment applies to the frame assembly unit adjustment.
- 2) Press the ADJ key on the remote controller to make a horizontal line. Turn the screen volume not to see one horizontal line and turn oppositely until it starts to display.

## 5. HOLD down operation check

- 1) This check step is implemented during the frame assembly process.
- 2) Check method : Short circuit the R1471, P418 of Main2 JP display part and check if it switches to ST-BY.  
(Install 30K resistances in parallel to the R1471 on jig.)

## 6. Focus Adjustment

### 6-1. Preliminary steps

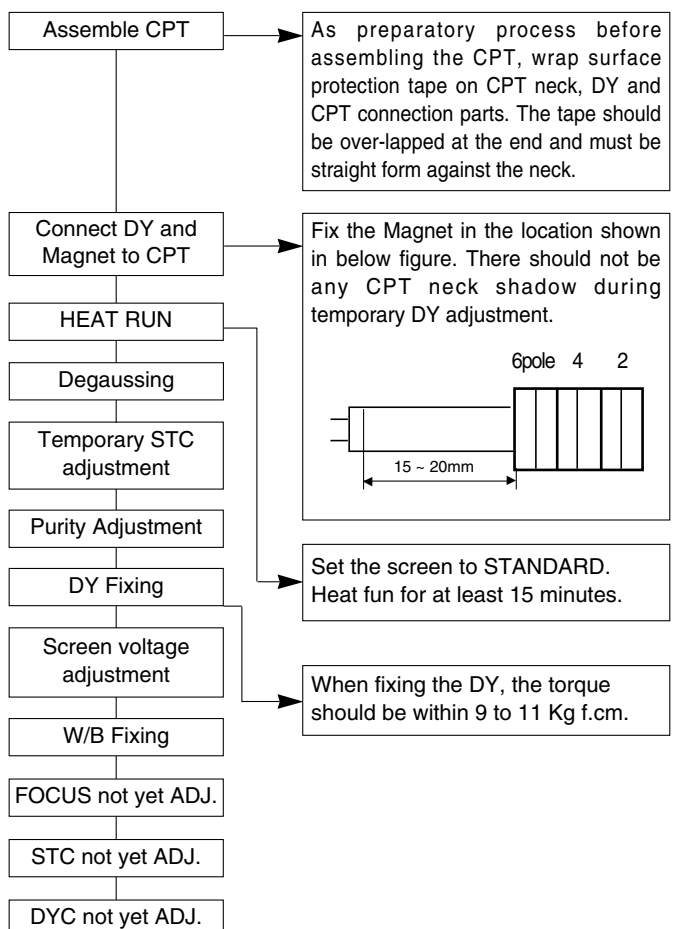
Receive the PAL-B/G 07ch(Cross hatch pattern, <Fig 6>) and Set the picture mode to "STANDARD".

### 6-2. Adjustment

- 1) Adjust the lower Focus volume of FBT for the best focus of vertical line B.

## 7. Purity & convergence Adjustment

Adjustment should be operated when using the CPT(without ITC from CPT manufacturing place)  
This adjustment must be done in the order of the following flowchart.





## 7-1. Purity adjustment

- 1) Degauss the CPT and CABINET enough.
- 2) Receive red RASTER signal.(PG50ch)
- 3) Remove fixing screw of DY and stick DY to opening part(CPT FUNNEL part)
- 4) Make crossing adjustment to the Magnet of CPT and make the R-land is placed on center correctly. At this moment, 4 pole and 6 pole magnet should be at the position of no magnetic field.
- 5) Move DY and make whole screen to be equal red, and fix the DY with fixing SCREW after checking color pollution in each single color and white RASTER of green/blue/red.(At this time, be careful about inclination and DY should be fixed keeping horizontality.)
- 6) Check the receiver in direction of East, West, South, North. Adjust with supporting MAGNET when adjustment is not operated.

## 7-2. Convergence adjustment

This adjustment should be operated at the best condition of FOCUS after finishing the PURITY adjustment.

- 1) BACK RASTER receives black CROSS HATCH signal.
- 2) Adjust Brightness so that there are 9-12 dots.
- 3) Widen two tabs of 4pole Magnet with equal angles and accord red, blue vertical lines at the center of screen.
- 4) With keeping angle of "3. clause", rotate tab and accord red/blue, green vertical lines at the center of screen.
- 5) Widen two tabs of 6pole Magnet with equal angles and accord red, blue vertical lines at the center of screen.
- 6) With keeping angle of "5. clause", repeat the adjustment from "3. clause" to "5. clause" keeping in mind the movement of red, blue, green when the horizontal lines are twisted.
- 7) Move DY up, down, left, right and make the convergence to be optimal condition and stick rubber wedge to CPT so that the DY not to move.

## 8. Screen voltage Adjustment

### 8-1. Preliminary steps

- 1) Turn the power supply of the TV set on.
- 2) The set must be operated for about 15 minutes prior to the adjustment.

### 8-2. Adjustment

- 1) Adjust in the condition of no RF signal or after receiving the PAL-B/G 05ch(Digital pattern)
- 2) Press ADJ key on the Remote controller to make horizontal line.  
Turn the Screen Volume not to see one horizontal line and turn oppositely until it starts to display.

## 9. White balance Adjustment

This adjustment should be performed after screen voltage adjustment.

For manual adjustment, refer to the following procedure

### 9-1. Test equipment

- 1) Automatic White Balance Meter(Low/High Light Pattern)  
- Automatic adjustment
- 2) White Balance Meter(CRT Color Analyzer, CA-100) : 1 set
- 3) Remote controller for adjustment

### 9-2. Preliminary steps

- 1) Tune the TV set to receive an 100% white pattern.
- 2) This adjustment should be performed after screen voltage adjustment.

### 9-3. Adjustment

- 1) White Balance should be adjusted with White balance meter and the remote controller.
- 2) Press the IN-START key to enter the adjustment mode, search for RGB W-B mode with CH ▲, ▼, and select with VOL key.
- 3) Select the adjustment item with CH ▲, ▼ key.
- 4) Adjust the data with Press VOL ◀, ▶ key.
- 5) Adjustment procedure
  - a. Adjust the "CONTRAST" and "BRIGHT" so the bright level to be 3.5 Ft\_L.
  - b. Adjust "Y" value of High Light with GD(G-Drive) and adjust "X" value with BD(B-Drive) and make color coordinates of High Light which is specified in "clause f".
  - c. Adjust the "CONTRAST" and "BRIGHT" so the bright level to be 4.5 Ft\_L.
  - d. Adjust "Y" value of Low Light with GC(G-Cutoff) and adjust "X" value with BC(B-Cutoff) and make color coordinates of Low Light which is specified in "clause f".
  - e. Repeat a-d until the High/ Low color coordinates satisfies the table of "claud f"
  - f. Check the adjusted color coordinates with white balance meter.

Color Temperature.	X coordinate	Y coordinate
13000K	266 ± 8	273 ± 8

	MENU	29"	Remark
RGB	RD(0~3F)	29	For High Light adjustment
	GD(0~3F)	28	
W-B	BD(0~3F)	2C	For Low Light adjustment
	RC(0~3F)	1F	
	GC(0~3F)	22	
	BC(0~3F)	B0	



## 10. Deflection Data Adjustment

- Manual adjustment can be done by the following procedure.

### 10-1. Preliminary steps

- 1) Set the Deflection data with the remote controller.
- 2) Enter the Adjustment mode by pressing the INSTART button.
- 3) Select the "DEFLECT" to adjust Deflection Data.
- 4) Press the CH ▲, ▼ button to select adjustment items.
- 5) Press the VOL ◀, ▶ button to adjust the data.
- 6) The TV set receives PAL-B/G Digital pattern(EU05ch).

**NOTE :** Initial adjustment is done based on PAL 100Hz.  
If production line doesn't the production line of LG TV, receive available deflection adjustment pattern.

### 10-2. Adjustment

#### VL (Vertical Linearity)

Adjust the top & bottom size of inner circle to be equal.  
Adjust Linearity of the upper/ lower part at the U-VL or L-VL.

#### VA (Vertical Amplitude)

Adjust upper and lower part of circle from the effective screen of the CPT. to be distance of 6~7mm.

#### SC (Vertical S Correction)

Adjust the lattice width of the Top/Center/Bottom to be the same.  
As being decided by DY value of the using CPT, set as default of the using CPT.

#### VS (Vertical Shift)

Adjust so that the horizontal center line of a digital circle pattern is in accord with geometric horizontal center of the CPT.

#### HS (Horizontal Shift)

Adjust so that the vertical center line of a digital circle pattern is in accord with geometric vertical center of the CPT.

#### EW (East-West Horizontal Width)

Adjust outer line of the left/ right outer lattice to be united with effective boundary surface of CPT.

\* Receive Cross-hatch pattern to adjust horizontal Pin-Cushion.

#### A-BOW(AFC Bow)

In line adjustment, not to change default value is basic.

#### A-ANG(AFC Angle)

In angle adjustment, adjust until inclination of left and right screen should be precise.

#### EPP(East-West Pin Phase)

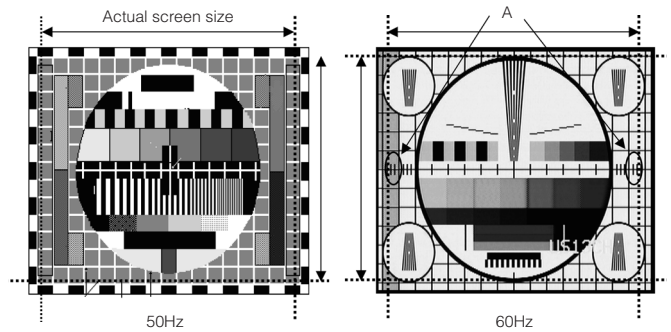
Adjust so that horizontal width of the uppermost part and horizontal width of the lowermost part of received screen are to be the same.

#### EP (East-West Parabola)

Adjust so that middle portion of the outermost left and right vertical line looks like parallel with vertical lines of the CPT.

#### UC(Upper Corner Correction)

Adjust so that corner vertical line of upper-left and upper-right to be straight line after finishing EP adjustment.



<Fig. 7>

#### LC(Lower Corner Correction)

Adjust so that corner vertical line of lower-left and lower-right to be straight line after finishing EP adjustment.

#### V-SCR(V-Scroll)

Only adjust when V SHIFT is impossible.

\* After adjusting as above, finish the Pin Cushion by re-adjustment of EW, EPP, A-ANG, A-BOW, UC, LC.

\* After adjusting, move to "Store This Mode". And then change to "Store All Mode" and save by using press "OK" key.

### 10-3. Deflection setting data adjustment

Menu	Range	RF PAL		RF NTSC	576P	480P	1080i
		100	50P				
VS	0 ~ 3F	2A		▶ -9	▶ -5	▶ -10	▶ -17
VA	0 ~ 3F	35		▶ -10	▶ -9	▶ -10	▶ -22
HS	0 ~ 3F	26			▶ -13	▶ -20	▶ -2
EW	0 ~ 3F	15			▶ +1	▶ +2	▶ -6
EP	0 ~ 3F	31				▶ +2	▶ +3
EPP	0 ~ 3F	2F		▶ -11	▶ -6	▶ -14	▶ -23
A-ANG	0 ~ 3F	1D					
A-BOW	0 ~ 3F	1A					
UC	0 ~ 3F	1D					
LC	0 ~ 3F	1F	▶ -1				
U-VL	0 ~ 0F	0B					
L-VL	0 ~ 0F	05	▶ -1	▶ +2			
VL	0 ~ 0F	07					
SC	0 ~ 0F	02					
V-SCR	0 ~ 3F	1E					
HPaDc	0 ~ 3F	28					
HPaAm	0 ~ 3F	29	▶ -1				
HPaPh	0 ~ 3F	20	▶ +1				
MpaAm	0 ~ 0F	09					
MPaDc	0 ~ 0F	07					

\* If the inclination adjustment is not correct when checking PAL50P, NTSC60Hz, 576P, 480P, 1080i Mode after finishing adjustment in PAL100Hz, adjust at each Mode again.

\* PAL100Hz(RF) -> PAL 50P -> NTSC 60Hz(RF) -> 576P (COMPONENT) -> 480P(COMPONENT) -> 1080i(COMPONENT)

## 11. TELETEXT position adjustment

After finishing deflection adjustment, execute this adjustment.

### 11-1. Vertical position adjustment of TEXT

#### (1) Sequence of Adjustment

- 1) Before entering the adjustment Mode, LEVEL 2.5 TEXT receives possible channel.
- 2) Select 'SOUNDetc PAGE' with 'INSTART' key on remote controller.
- 3) Using the CH +/- key, select the TXTV item to receive the TEXT and then press the 1,8,9 number key by turns.
- 4) After checking the LEVEL 2.5 TEXT 889PAGE to receive.

#### (2) Adjustment specification

In 189PAGE of LEVEL 2.5 TEXT, adjust to be same spaces of the up/ down.

### 11-2. Horizontal position adjustment of TEXT

#### (1) Sequence of Adjustment

- 1) After adjusting the vertical position, press the 1, 5, 3 number key by turns to check received 153PAGE.
- 2) Using the CH +/- key, adjust the left/ right spaces to be same.

#### (2) Adjustment specification

In 153PAGE of LEVEL 2.5 TEXT, adjust to be same spaces of the left/ right.

### 11-3. Horizontal position adjustment of Half TEXT

#### (1) Sequence of Adjustment

- 1) After selecting H.T.H(HALF TEXT H POSITION) item by pressing the CH(-) key, adjust the left starting point of the TEXT to be united with CPT center by pressing the VOL. key.
- 2) At this time, take care of right TEXT not to get out of the screen.
- 3) If the above adjustment is completed, press the ENTER key to save the adjustment data.

#### (2) Adjustment specification

In LEVEL 2.5 TEXT, adjust the left starting point to be united with CPT center.

## 12. Test method of transmission/ reception condition(wireless sound model)

- Wireless Sound's efficiency inspections is executed to a finished in a final inspection phase.
- Wireless Sound is a function which receives voice-signal by an exclusive remote control and earphone, transmits a FM through transmitter to TV sound(MONITOR OUTPUT)
- If the received frequency which set up in OSD is being tuned without using an exclusive remote control ,it is available to receive in a general FM receiver.

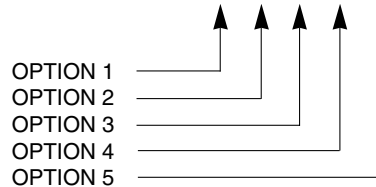
- 1) Execute in Ch5, 25 or channel that output the voice signal.
- 2) Select a transmitted frequency in MENU OSD.  
MENU -> SOUND -> X-WAVE -> Select frequency
- 3) A received frequency in an exclusive remote control or received FM Radio is tuned to it which is same as frequency in OSD.
- 4) Check out whether a signal generating to MAIN SPEAKER generates in earphone or receiver or not.
- 5) There is no alternation and setting of adjusted DATA in the process of inspecting FM TX.

## 13. OPTION adjustment

### 13-1. Preparation for Adjustment

- 1) This option adjustment decides function in accordance with model.  
Press the SVC TX adjustment Key(IN-START) or MENU key, COLOR key at SVC mode, then adjust the option at OPTION 1, 2, 3, 4, 5 mode.
- 2) Mark the option adjustment data like [111,11,111,11] in BOM.

OP [113,63,112,201,248]



\* Mark of BOM

LEVEL	PART NO.	SPECIFICATION	DESCRIPTION
1.	3141VMN382A	MAIN CHASSIS ASSY	OP[111,245,205,511,240]

In this model, the OPTION1 data is 111, OPTION2 data is 245, the OPTION3 data is 205,the OPTION 4 data is 511, OPTION 5 data is 240.

### 13-2. Adjustment

- 1) Input OPTION value at by using number key on remote controller at each OPTION adjustment mode.
- 2) Select adjustment item with CH▲,▼ key at each OPTION mode.
- 3) Select specification of model with VOL◀,▶ key.

**Table 1. OPTION 1**

Option	Code	Function	Remark
200 PR	0	100 PROGRAM SAVE	CHINA
	1	200 PROGRAM SAVE	
TSEAR	0	Without Turbo Search function	EU model
	1	With Turbo Search function	
I/II SV	0	NO SAVE DUAL/SOUND Condition	EU model
	1	SAVE DUAL SOUND Condition	Non EU model
TOP	0	FLOP TEXT	Without TOP TEXT
	1	TOP TEXT	
EYE	0	Without EYE MODULE	
	1	With EYE MODULE	
A2 ST	0	NICAM	
	1	NICAM&FM STEREO/DUAL	
SYS	0	BG/ID/K	NOT USED
	1	B/G/L	NOT USED
	2	BG/I/D/K/L	EU model
	3	BG/I/D/K/M	Non EU model

**Table 3. OPTION 3**

Option	Code	Function	Remark
WIDE	0	4:3 TV	
	1	16:9 TV	
TEXT	0	WITHOUT TEXT	
	1	WITH TEXT	
CH+AU	0	Without D/K China or BB System	
	1	With D/K China or BBSYSTEM	
HDEV	0	Not appu to Sound High deviation	
	1	Provide for Sound High deviation	
DOLBY	0	Without Dolby	
	1	With Dolby	
DGIDX	0	Without Digital Index	
	1	With Digital Index	
XD	0	DRP DEMO	
	1	FI-NE SYSTEM	
	2	XD	default
	3	RESERVED	not used

**Table 2. OPTION 2**

Option	Code	Function	Remark
ACMS	0	Without ACMS function	Australia
	1	With ACMS function	
VOL	0	NORMAL VOLUME CURVE	EU model
	1	RUSHED VOLUME CURVE	Non-EU model
HPHON	0	Without HEADPHONE	
	1	With HEADPHONE	
DVD	0	Without DVD INPUT	
	1	With DVD INPUT	
VGA	0	Without VGA	
	1	With VGA	
AV SV	0	AV Status not save	
	1	AV Status save	
AV	0	3SCART	
	1	1SC + 2PH	
	2	PHONE ONLY	
	3	RESERVED	

**Table 5. OPTION 5**

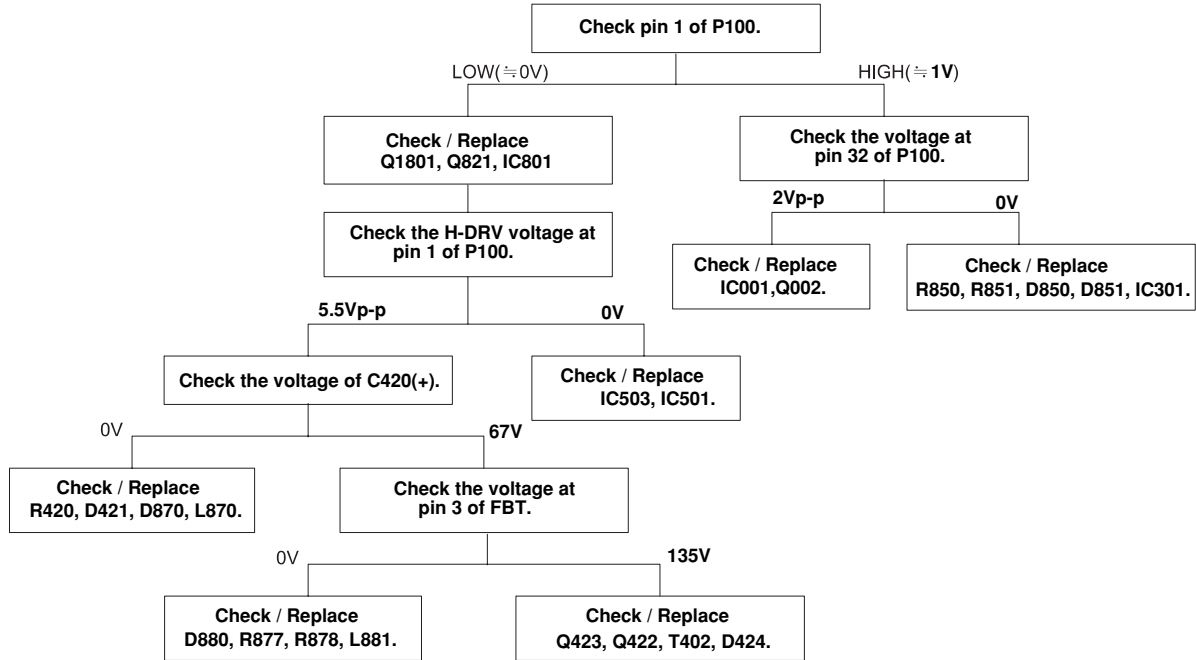
Option	Code	Function
DCION	0	DYNAMIC CONTRAST OFF
	1	DYNAMIC CONTRAST ON
MALAY	0	NOT MALAYSIA
	1	MALAYSIA
RESER	0	RESERVED
	1	RESERVED
EZAV	0	WITHOUT EZ-AV
	1	WITH EZ-AV
BOOST	0	BOOST OFF
	1	BOOST ON
Australia	0	NOT AUSTRALIA
	1	AUSTRALIA ONLY
FM TX	0	Without FM TX
	1	LOW BAND
	2	HIGH BAND
	3	RESERVED

**Table 4. OPTION 4**

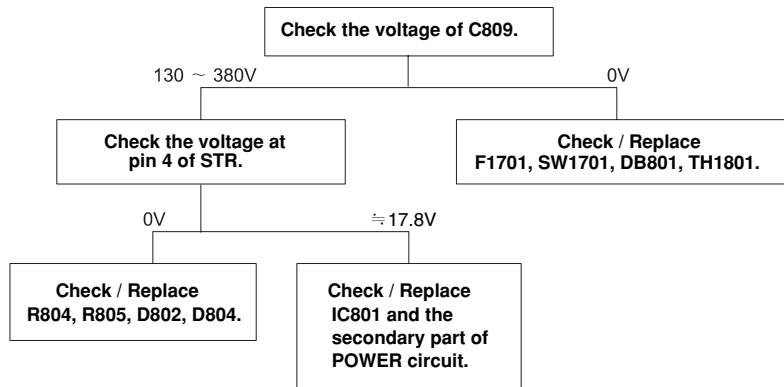
OPTION	CODE	Language
LANG	0	English Only
	1	EU-5EA(English/German/French/Italian/ Spanish)
	2	EU-ETC(Dutch/ Swedish/ Norwegian/ Danish/ Finnish/ Portuguese/ Rumanian/ Polish/ Hungarian/ Czech/ Russian)
	3	GREECE(English/ Greek)
	4	PARSI(English/ Parsi)
	5	ARAB URDU(English/French/Arabic/Urdu)
	6	E+HINDI(English/ Hindi)
	7	E+I+M+V(English/ Indonesian/ Malay/ Vietnamese)
	8	E+THAI(English/ Thai)
	9	E+CHINA(English/ Chinese)
TXT LAN	0	WEST EU(English/ French/ Swedish/ Czech/ German/ Portuguese/ Spanish/ Italian)
	1	EAST EU 1(Polish/ French/ Swedish/ Czech/ German/ Serbian/ Italian/ Romanian)
	2	WEST EU W/ TURKISH(English/ French/ Swedish/ Turkish/ German/ Portuguese/ Spanish/ Italian)
	3	EAST EU2(English/ Czech/ Swedish/ Serbian/ German/ Polish/ Turkish/ Romanian)
	4	CYRILLIC 1(Polish/ Russian/ Estonian/ Lettish)
	5	CYRILLIC 2(Polish/ Russian/ Swedish/ Czech/ Estonian/ Lettish)
	6	CYRILLIC 3(English/ Russian/ Estonian/ Czech/ Ukraina/ Lettish)
	7	TURK GRE1(English/ French/ Swedish/ Turkish/ German/ Portuguese/ Spain/ Italian/ Greek)
	8	TURK GRE2(English/ Turkish/ German/ Greek)
	9	TURK GRE3(English/ French/ Swedish/ Turkish / German/ Spanish/ Italian/ Greek/ Portuguese)
	10	ARAB FRA(French/ English/ Turkish/ Arab)
	11	ARAB ENG(English/ French/ Turkish/ Arab)
	12	ARAB HEBREW1(Hebrew/ Arab)
	13	ARAB HEBREW2 (English/ French/ Arab/ Hebrew)
	14	PARSI ENG(English/French/Turkish/Parsi)
	15	PARSI FRA(French/ Turkish/ Parsi)
	16	PARSI ALL(English/ French/ Parsi)
		* Swedish : Finland, Hungary, Denmark

# TROUBLE SHOOTING

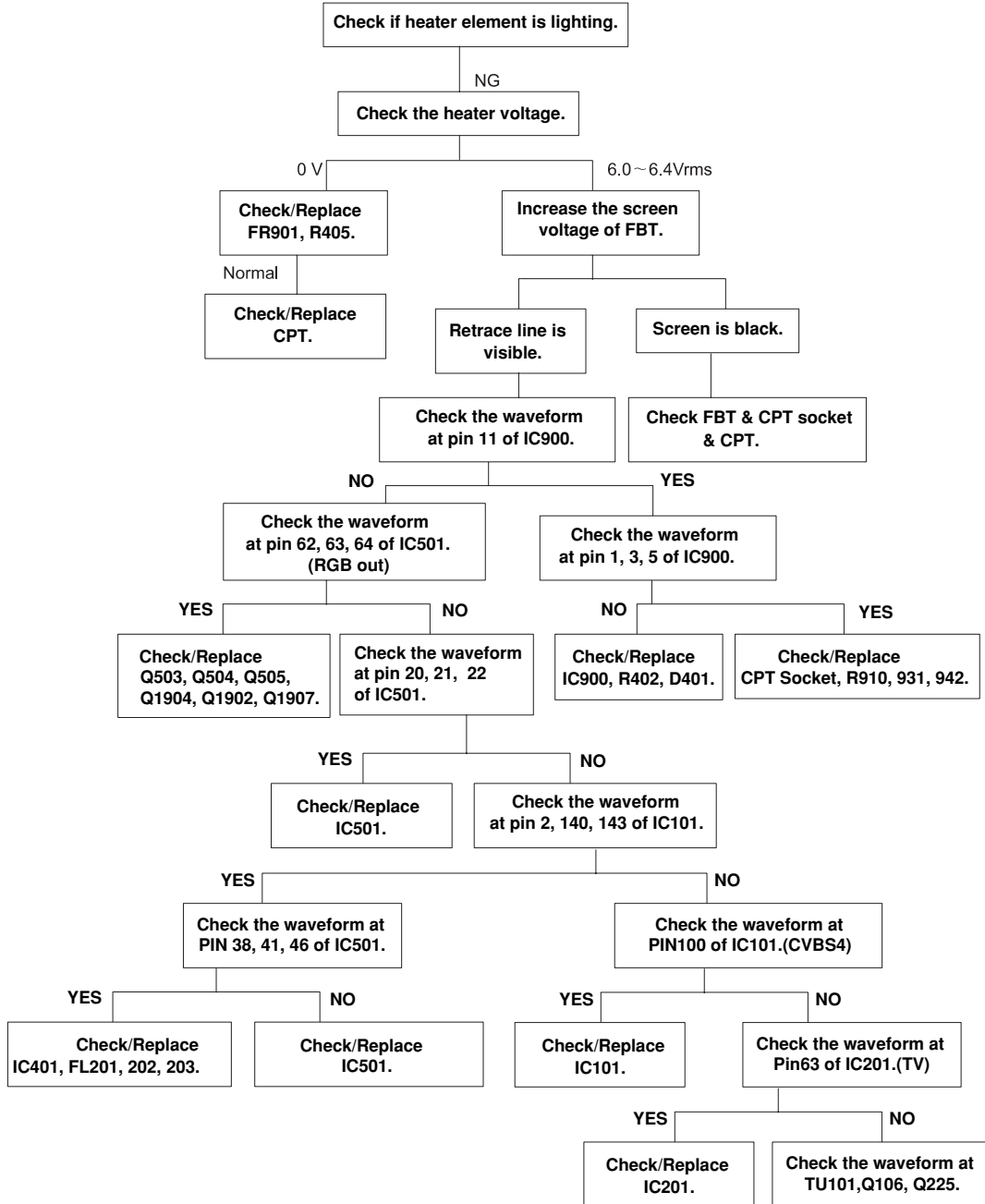
## NO POWER ON BUT SMPS WORKING



## NO POWER (NOT WORKING SMPS)

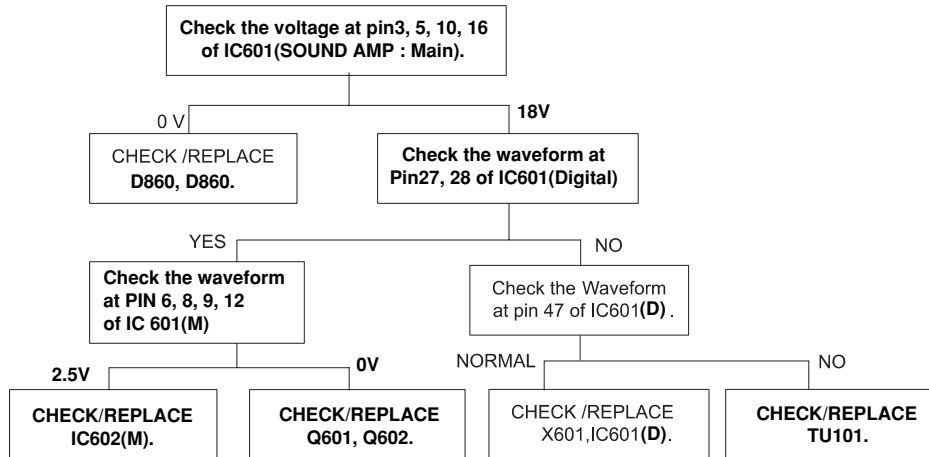


## NO RASTER & PICTURE ( H-OUT OK)

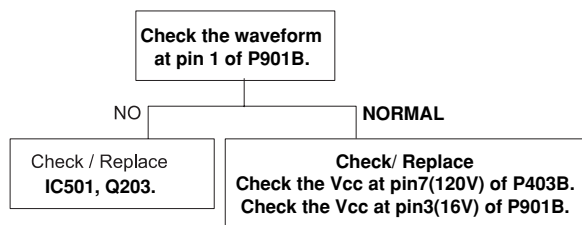




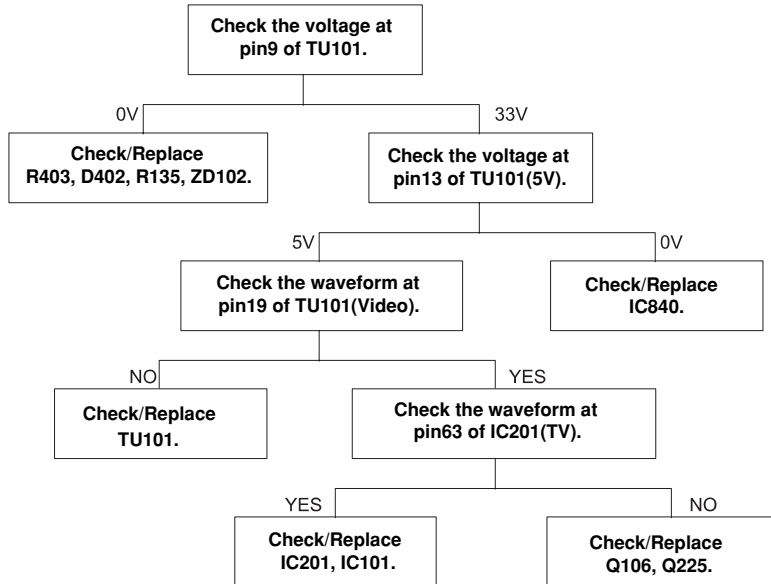
## NO SOUND(PICTURE OK)



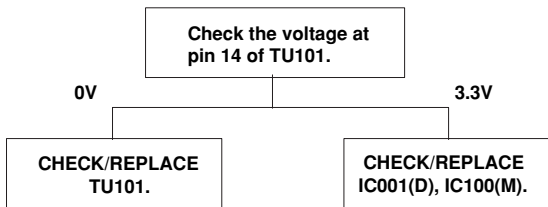
## VM DON T WORKING



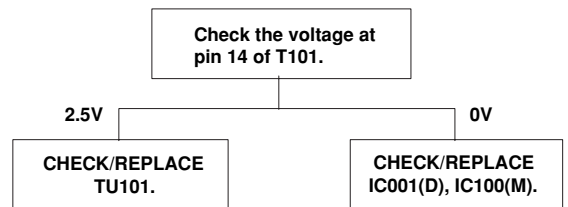
## DON'T CATCH CHANNEL(MAIN)



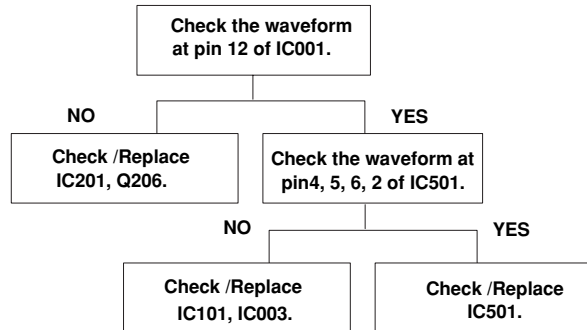
## DON'T CATCH NTSC-M(OPTION)



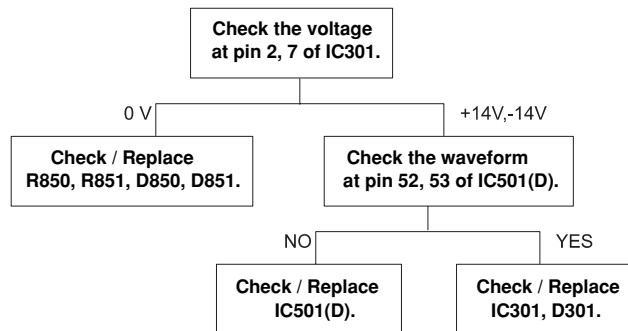
## DON'T CATCH SECAM-L(OPTION)



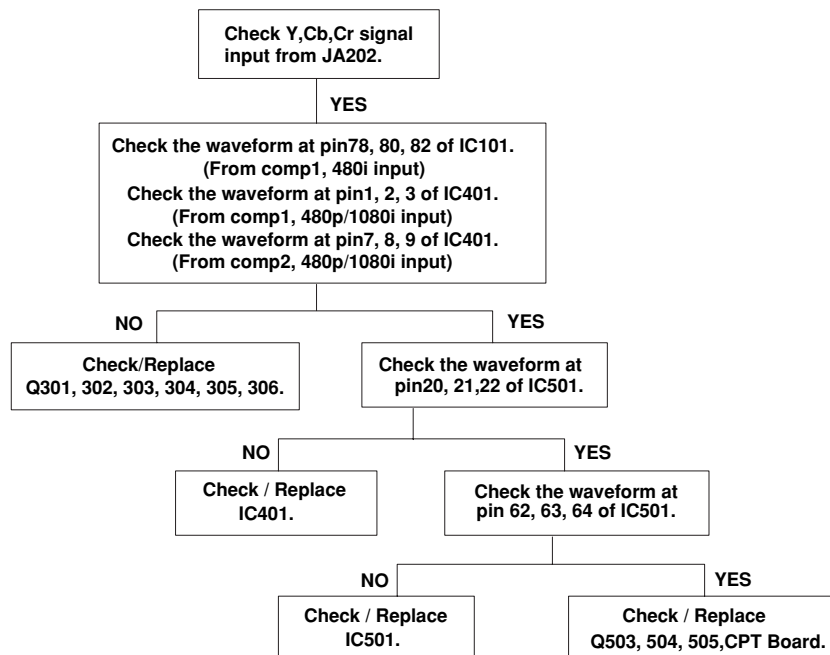
## NO TELETEXT



## NO VERTICAL DEFLECTION

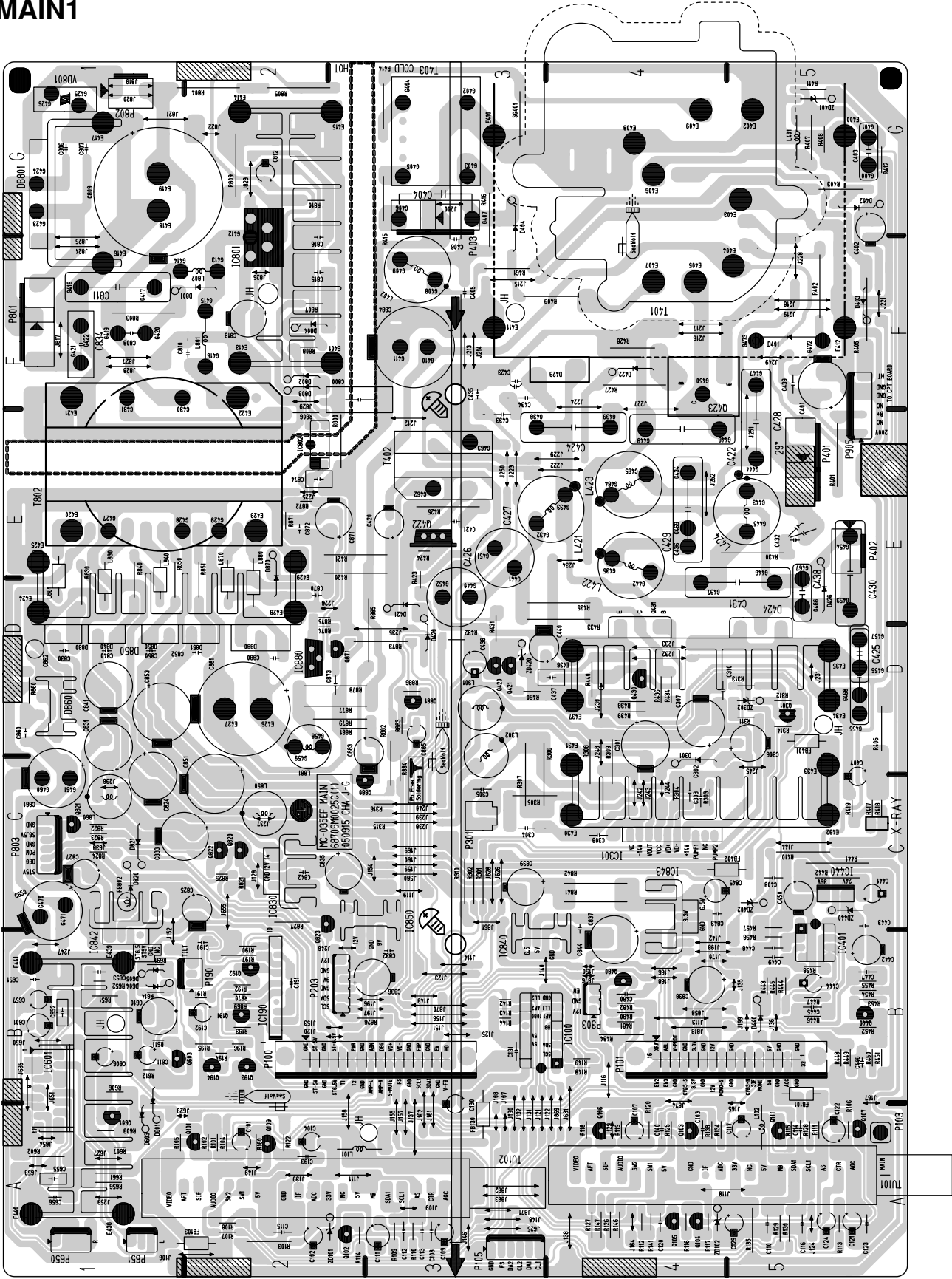


## NO DVD/COMPONENT PICTURE

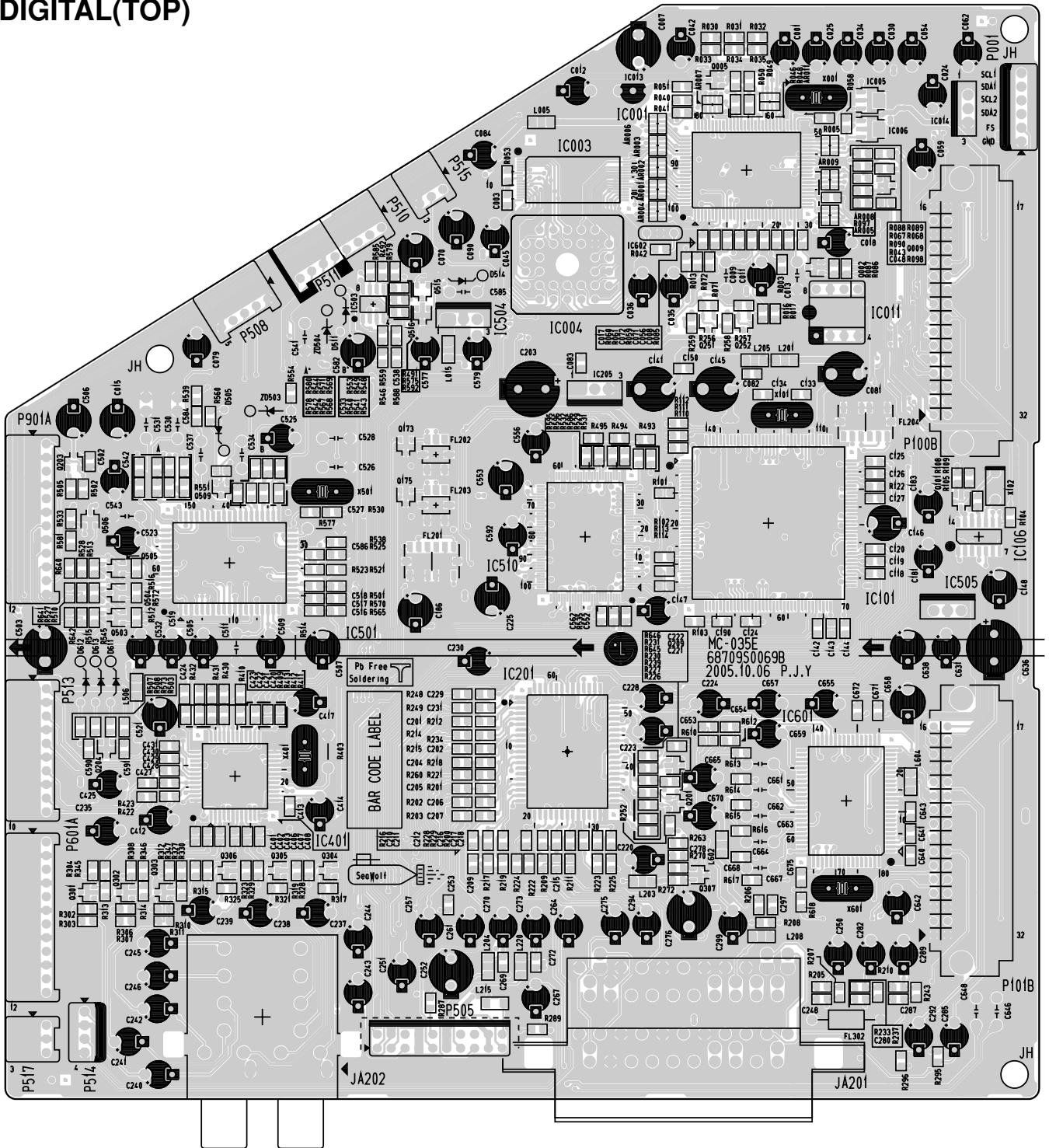


# PRINTED CIRCUIT BOARD

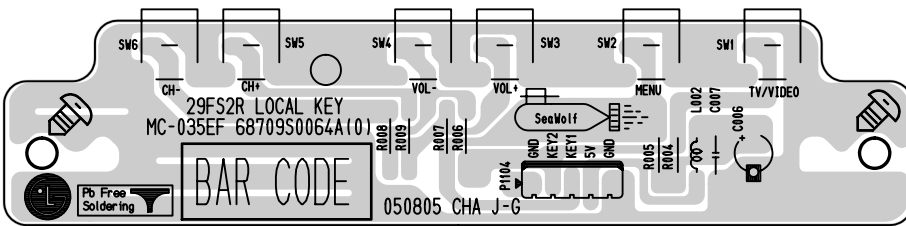
## MAIN1



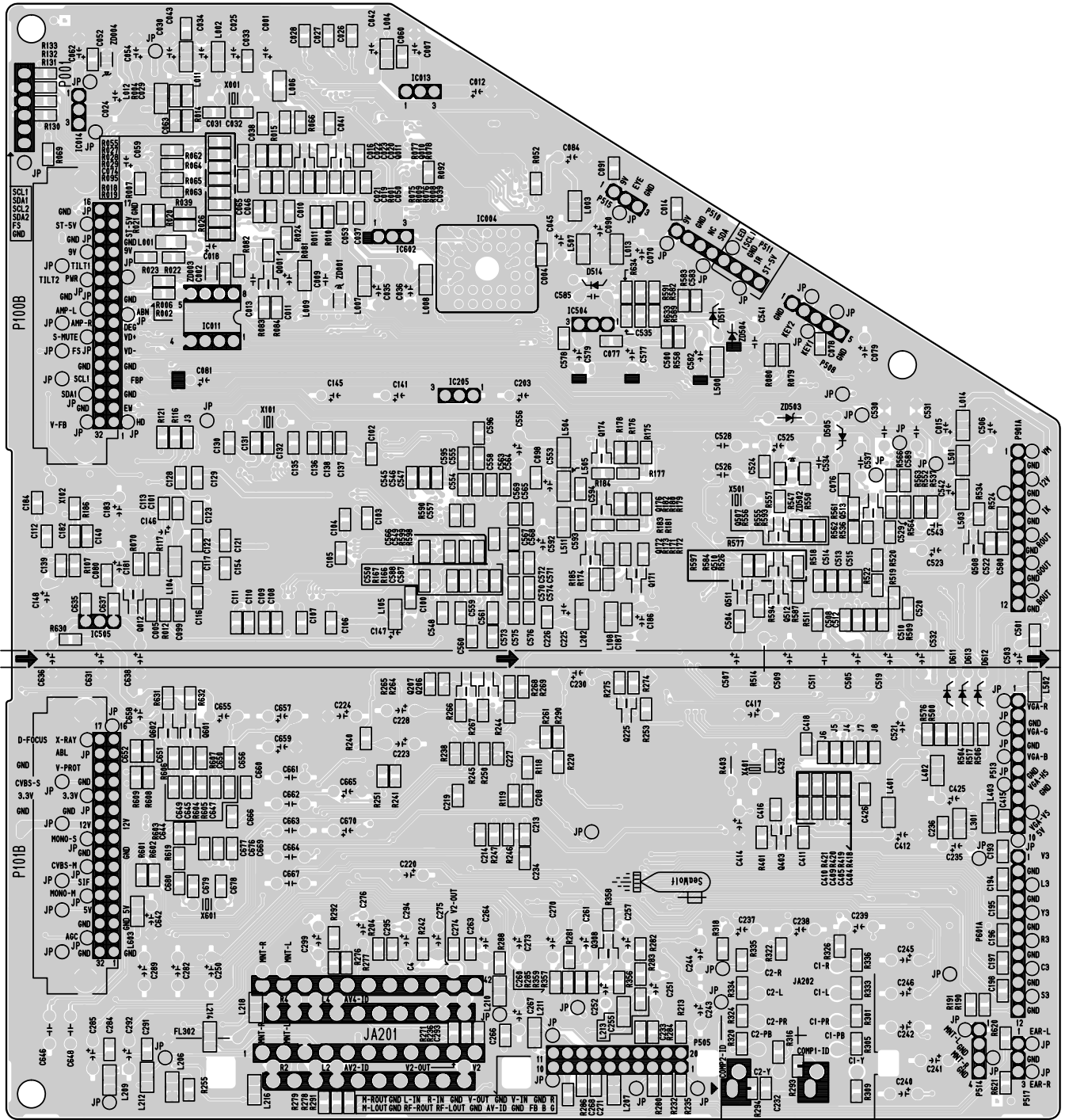
# DIGITAL(TOP)



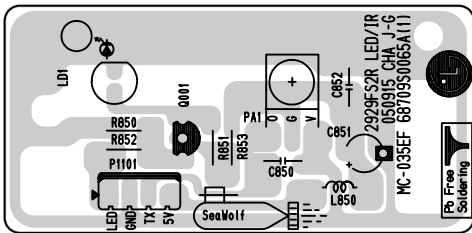
# CONTROL



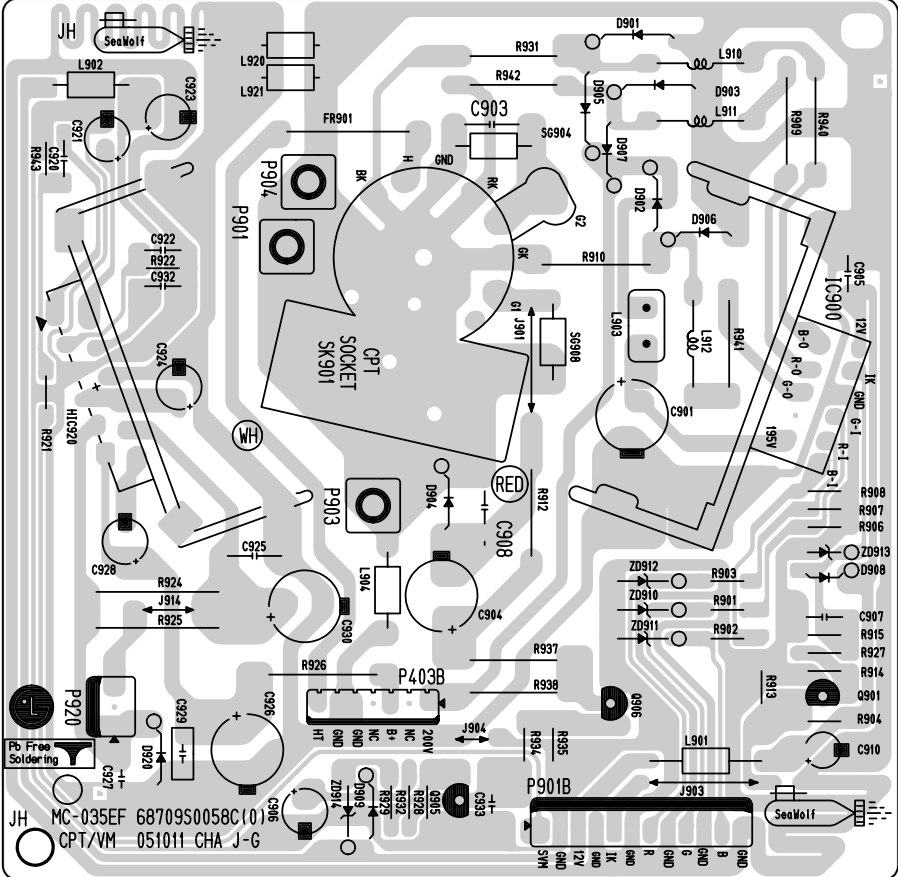
# DIGITAL(BOTTOM)



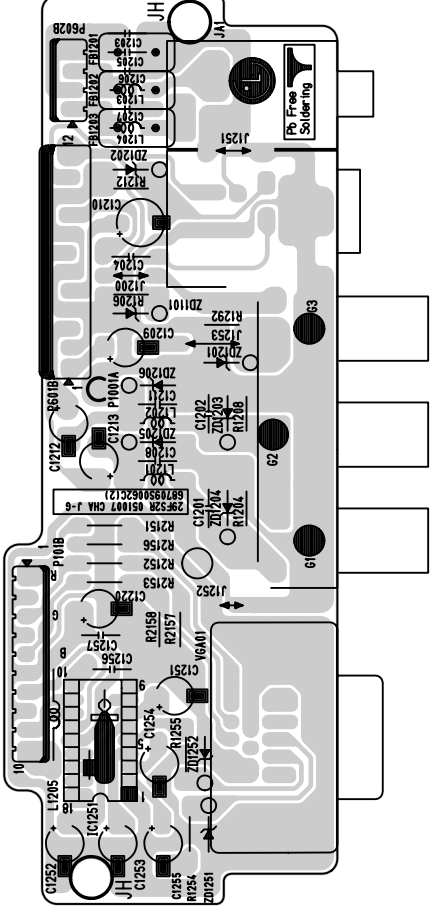
# PRE-AMP



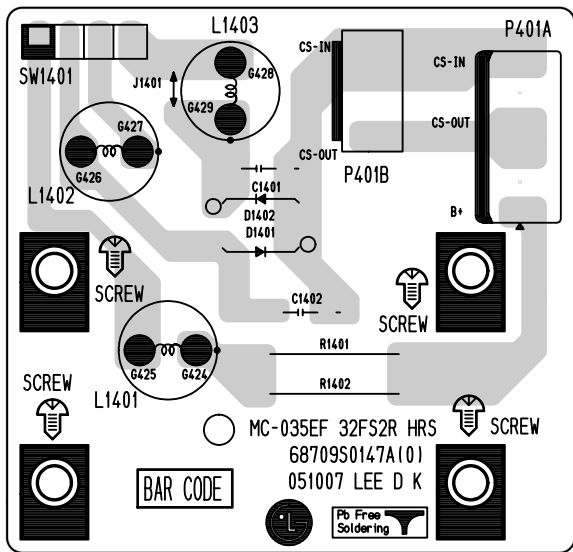
# CPT



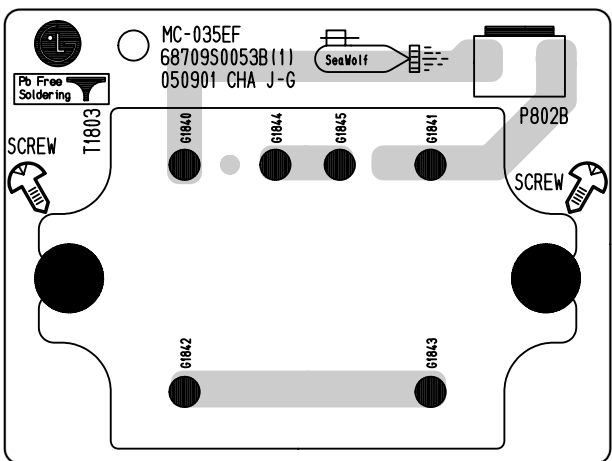
# SIDE A/V



# HRS



# HARMONICS

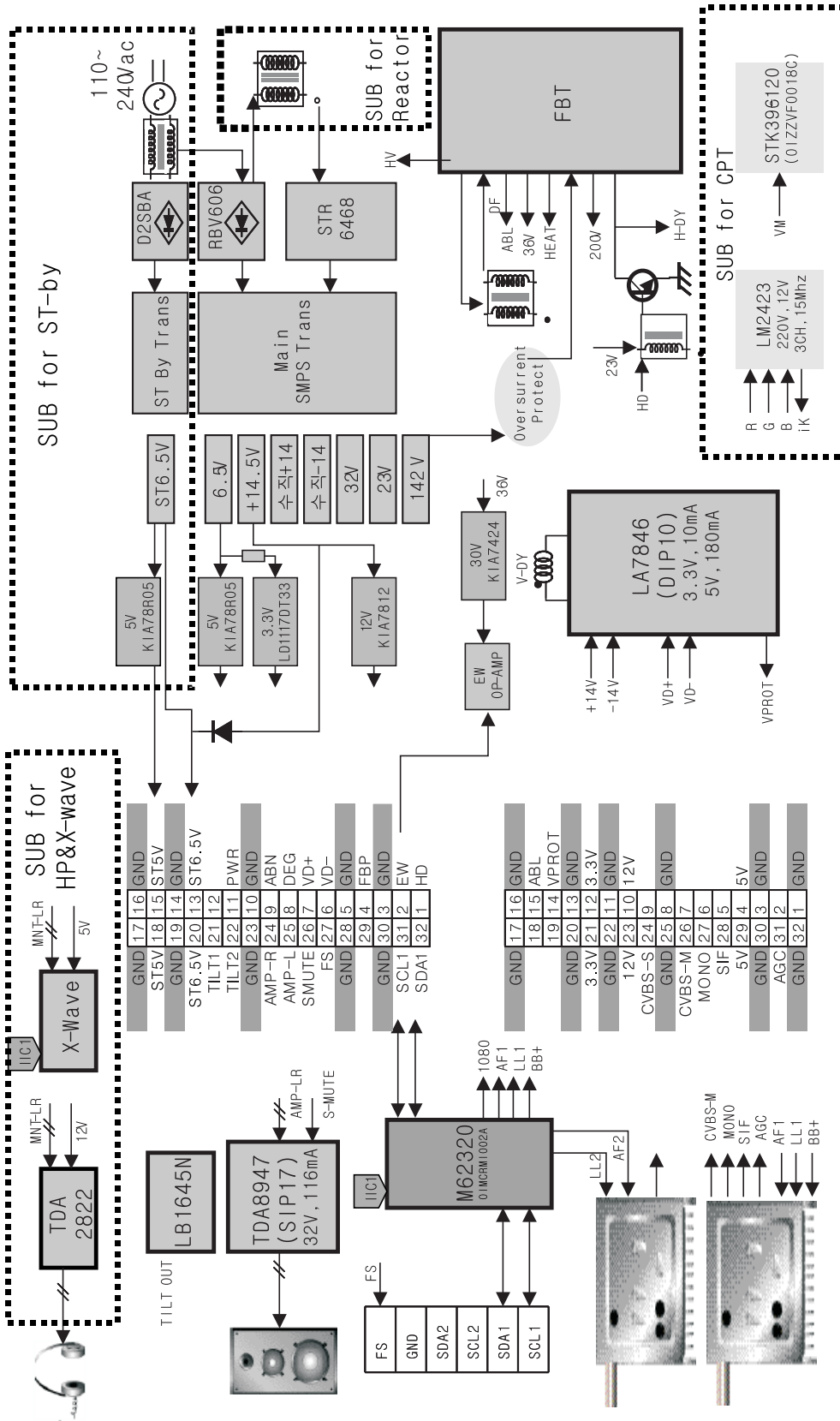




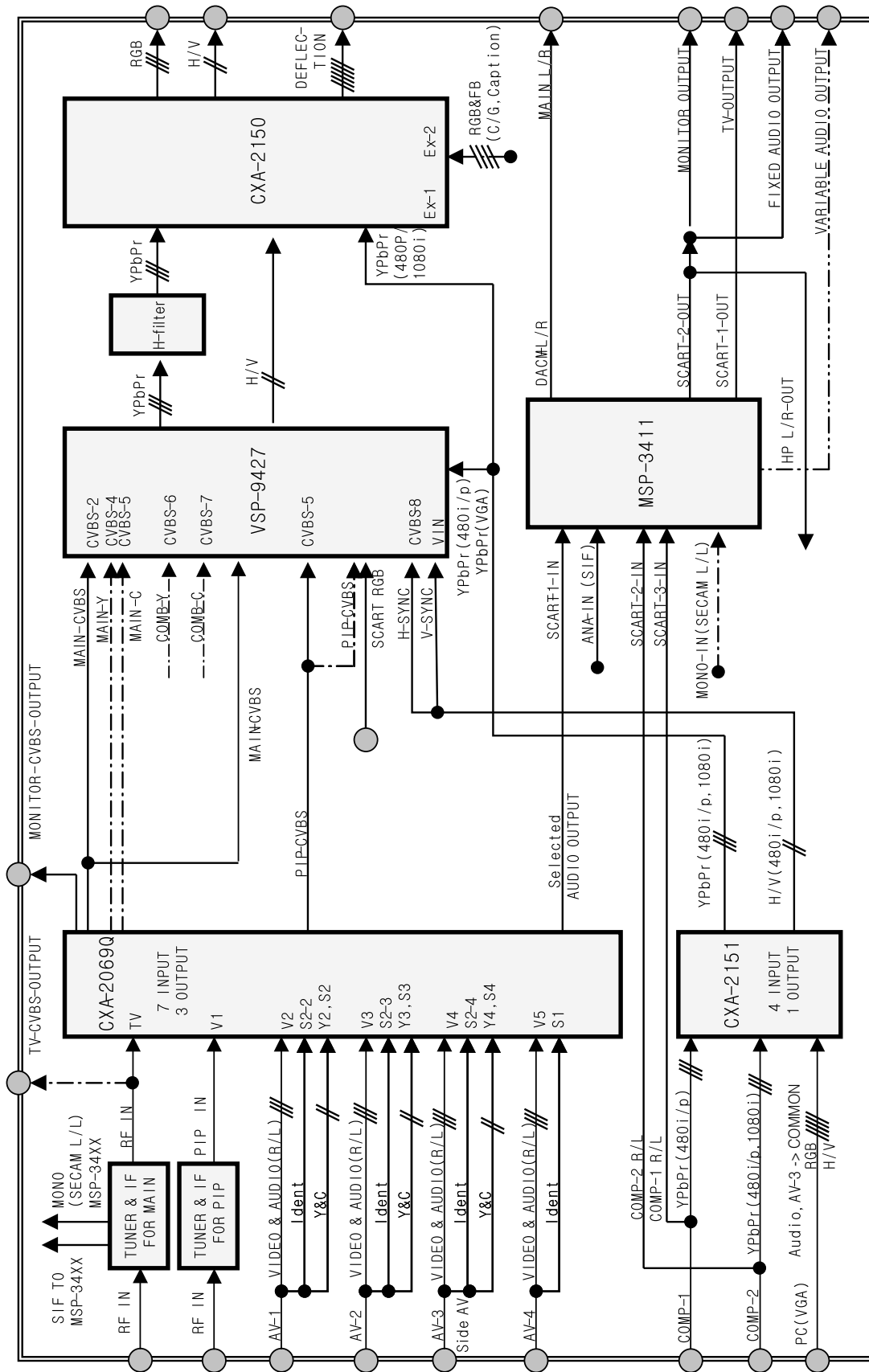


# BLOCK DIAGRAM

## 1. MAIN

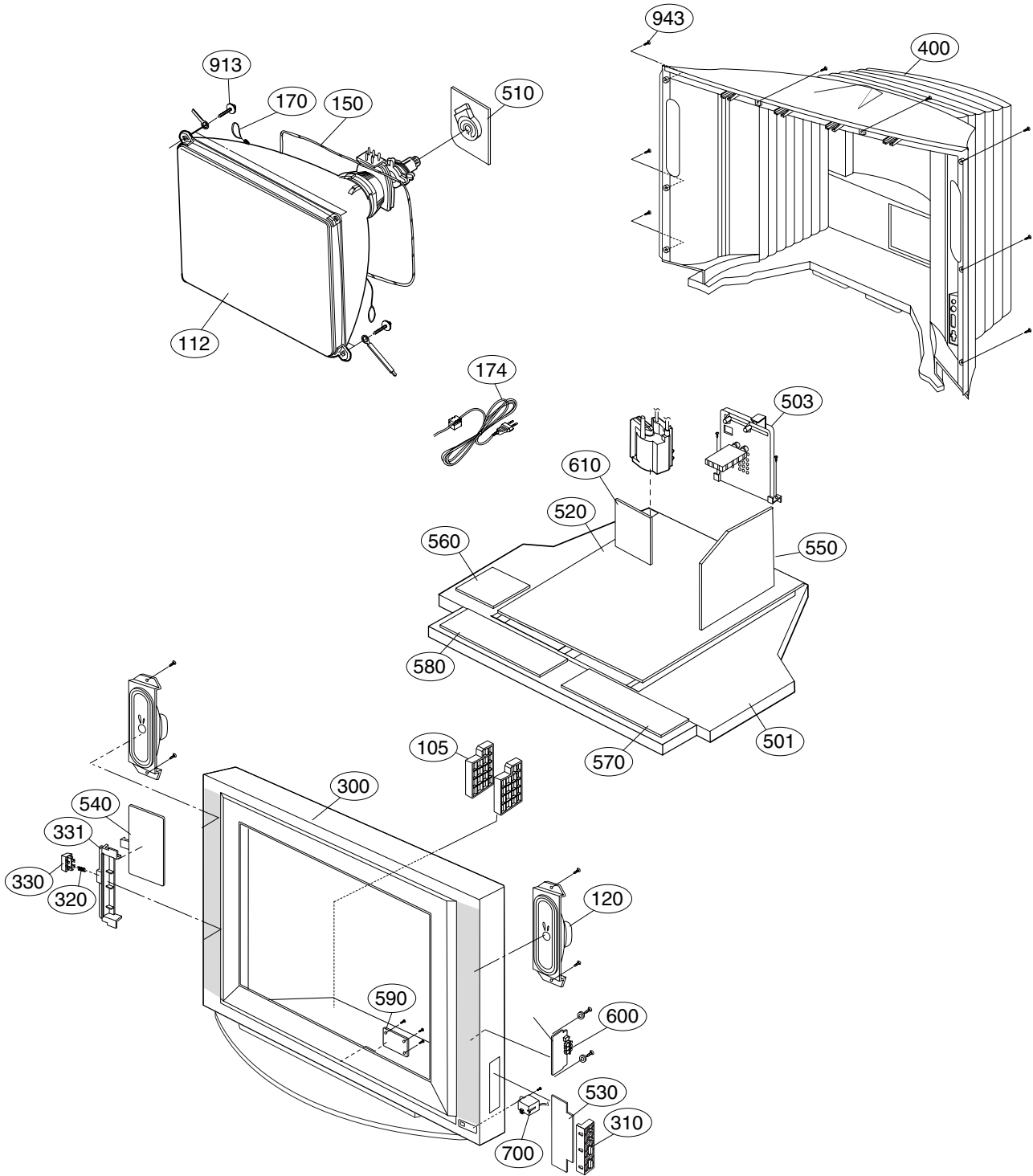


## 2. DIGITAL



# MEMO

# EXPLODED VIEW



# EXPLODED VIEW PARTS LIST

LOCA. NO	PART NO	DESCRIPTIONS
105	4810V01503A	BRACKET, CRT 32FS3D AC05MA HIPS 40AF .
	4810V01503B	BRACKET, CRT 32FS2 AC05MA HIPS 51SF .
△ 112	6335932003B	CPT ASSEMBLY, W76ERS270XV1 L(+0.50G) 0G LG-PHILIPS DISPLAYS TINT DOUBLE
	6335932003C	CPT ASSEMBLY, W76ERS270XV1 M(+0.30G) 0G LG-PHILIPS DISPLAYS TINT DOUBLE
	6335932003D	CPT ASSEMBLY, W76ERS270XV1 K(+0.20G) 0G LG-PHILIPS DISPLAYS TINT DOUBLE
	6335932003E	CPT ASSEMBLY, W76ERS270XV1 P(+0.10G) 0G LG-PHILIPS DISPLAYS TINT DOUBLE
	6335932003G	CPT ASSEMBLY, W76ERS270XV1 R(-0.10G) 0G LG-PHILIPS DISPLAYS TINT DOUBLE
120	6400VA0025E	SPEAKER,FULLRANGE C163A01K1451 ESTEC FULL-RANGE(GENERAL) 8OHM 15/20W 86DB OTHERS
	6400VA0025F	SPEAKER,FULLRANGE C163A01K1452 ESTEC FULL-RANGE(GENERAL) 8OHM 15/20W 86DB OTHERS 32FS2D
△ 150	6140VC2006Q	COIL,DEGAUSSING CU 1UEW 0.55PIE 50TS 3680MM 13.3OHM 32INCH 2007Q+150-D07D
	6140VC2006S	COIL,DEGAUSSING AL 1UEW 0.80PIE 80TS 3720MM 17.0OHM 32INCH 2007S+150-D07D
△ 170	170-797Z	EARTH, 32" 144T 2LUG 1P*3 FOR SUPER SLIM
	6868900001A	EARTH, CRT 32INCH 2POINT TIN WIRE BRAID 144TS 32FS1D
△ 174	174-225K	POWER CORD ASSEMBLY, UK L4=100 HOUSING
	174-322G	POWER CORD, KUK JE VDE 2400MM HOUSING BLACK
300	3091V00847B	CABINET ASSEMBLY, 32FS2RMB-TP STEREO E_PHONE 3090V00910 SUPER SLIM
	3091V00847H	CABINET ASSEMBLY, 32FS2RNB-TP STEREO E_PHONE 3090V00910 SUPER SLIM CIS(CKD)
	3091V00847L	CABINET ASSEMBLY, 32FS2RNB-TP STEREO E_PHONE SUPER SLIM W/O WIRELESS SOUND FOR LGEMC
310	5020V01110A	BUTTON, CONTROL 32FS2D-NA ABS, HF-380 6KEY
320	320-062E	SPRING, KNOB
330	5020V01111A	BUTTON, POWER 32FS2D-NA ABS, HF-380 1KEY
331	4810V01272A	BRACKET, CONTROL 32FS2D AC05MA ABS, HF-380
400	3809V00607B	BACK COVER ASSEMBLY, 32FS2RMB-TP 2P/1D 100HZ
	3809V00607H	BACK COVER ASSEMBLY, 32FS2RNB-TP 1SCART 1PHONE SUPER SLIM CIS(CKD)
	3809V00607K	BACK COVER ASSEMBLY, 32FS2RMB-TP DVD(1PHONE) SUPER SLIM LGETH(SET)
501	4810900043A	BRACKET, MAIN 32FS2 MC035E HIPS 51SF 100HZ
	4810900043E	BRACKET, MAIN 32FS2 MC035E HIPS 407AF 100HZ. C/SKD YES
503	4811V00359B	BRACKET ASSEMBLY, REAR AV 29FS2RMB-TP MC035E 29 SUPER SLIM
	4811V00359K	BRACKET ASSEMBLY, REAR AV 29FSRMB-TP MC035E SUPER SLIM
510	68719SM131B	PWB(PCB) ASSEMBLY,SUB M.I MC035E 32 INCH CPT DRIVE
	68719SM900A	PWB(PCB) ASSEMBLY,SUB M.I MC035E . . CPT DRIVE LGESY CKD
520	68719MM096A	PWB(PCB) ASSEMBLY,MAIN M.I MC035E 32FS2RNB-TP.AFPLLA (MOROCCO)
	68719MM099A	PWB(PCB) ASSEMBLY,MAIN M.I MC035E 32FS2RMB-TP.ATSLLA (MALAYSIA)
	68719MM099B	PWB(PCB) ASSEMBLY,MAIN M.I MC035E 32FS2RMB-TP.ATMLLA (THAILAND)
	68719MM099C	PWB(PCB) ASSEMBLY,MAIN M.I MC035E 32FS2RNB-TP.AMALLA (UAE)
	68719MM100F	PWB(PCB) ASSEMBLY,MAIN M.I MC035E 32FS2RNB-TP .KDRLLLEY(UKRINE) LGESY CKD
530	68719SM138A	PWB(PCB) ASSEMBLY,SUB M.I MC035E /F LOCAL-KEY
	68719SM240A	PWB(PCB) ASSEMBLY,SUB M.I MC035E LOCAL-KEY LGESY CKD
540	68719SM137A	PWB(PCB) ASSEMBLY,SUB M.I MC035E POWER S/W (174-322G)
	68719SM137G	PWB(PCB) ASSEMBLY,SUB M.I MC035E POWER S/W (174-225K)
	68719SM230B	PWB(PCB) ASSEMBLY,SUB M.I MC035E POWER S/W(174-322G) LGESY CKD
550	68719SM173A	PWB(PCB) ASSEMBLY,SUB M.I MC035E DIGITAL(DVD+PH+TXT) 32FS2RMB-TP.ATSLLA (MALAYSIA)
	68719SM173B	PWB(PCB) ASSEMBLY,SUB M.I MC035E DIGITAL(DVD+PH+TXT) 32FS2RMB-TP.ATMLLA (THAILAND)
	68719SM173C	PWB(PCB) ASSEMBLY,SUB M.I MC035E DIGITAL(DVD+PH+TXT) 32FS2RNB-TP.AMALLA (UAE)
	68719SM228A	PWB(PCB) ASSEMBLY,SUBM.I MC035E DIGITAL(DVD+SC+PH) 32FS2RNB-TP.AFPLLA (MOROCCO)
	68719SM400F	PWB(PCB) ASSEMBLY,SUB M.I MC035E 32FS2RNB-TP .KDRLLLEY(UKRINE) DIGITAL (DVD+SC+PH) LGESY CKD
560	68719SM910A	PWB(PCB) ASSEMBLY,SUB M.I MC035E HARMONICS LGESY CKD
570	68719SM141A	PWB(PCB) ASSEMBLY,SUB M.I MC035E H.P+WIRELESS SOUND (HIGH BAND)
	68719SM925B	PWB(PCB) ASSEMBLY,SUB M.I MC035E H.P(EAR-P) FOR EMS LGESY
	68719SM991A	PWB(PCB) ASSEMBLY,SUB M.I MC035E EAR PHONE ONLY
580	68719SM134C	PWB(PCB) ASSEMBLY,SUB M.I MC035E STAND-BY WIDE RANGE
	68719SM930A	PWB(PCB) ASSEMBLY,SUB M.I MC035E STAND-BY NARROW(220V) LGESY CKD
590	68719SM139A	PWB(PCB) ASSEMBLY,SUB M.I MC035E /F LED+PRE-AMP
	68719SM250A	PWB(PCB) ASSEMBLY,SUB M.I MC035E PRE-AMP LGESY CKD
600	68719SM136D	PWB(PCB) ASSEMBLY,SUB M.I MC035E 32 INCH SIDE A/V
	68719SM225B	PWB(PCB) ASSEMBLY,SUB M.I MC035E SIDE A/V (32INCH) FOR EMS LGESY CKD
610	68719SM197A	PWB(PCB) ASSEMBLY,SUB M.I MC035E 32FS2RMB HRS 32 INCH SLIM OPTION
	68719SM940A	PWB(PCB) ASSEMBLY,SUB M.I MC035E 32INCH . HRS LGESY CKD
700	6500VR0003B	SENSOR, YGCA-T070A LG INNOTEK AMBIENT LIGHT DIGITAL EYE WITH ZENER
913	332-229M	SCREW,DRAWING PAN WASHER 7mm 45mm MSWR3 / FZY
943	1PTF0403116	SCREW TAP TITE(P),TRUSS HEAD + D4.0 L16.0 MSWR3/FZB

# REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
<b>IC</b>					
HIC920	0IZZVF0018C	STK396-130 DIP 11PIN HYBRID STICK	Q012	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC001	0ISM555000A	SDA5550 MQFP100 BK MICOM TXT	Q101	0TR126609AA	KTA1266-Y(KTA1015) TP KEC TO92 PNP
IC003	0IMMR00149A	CY62128DV30LL-70ZXI CYPRESS 32PIN	Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC004	692792007AG	SOFT WARE, 3.05V 50E8 CTV MC035E	Q104	0TR126609AA	KTA1266-Y(KTA1015) TP KEC TO92 PNP
IC005	0IKE702700D	KIA7027AF 3, SOT-89 TP RESET IC 2.7V	Q105	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
IC006	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VOLTAGE	Q106	0TR126609AA	KTA1266-Y(KTA1015) TP KEC TO92 PNP
IC011	0IAL241610B	AT24C16A-10PI-2.7 8PIN DIP ST EEPROM	Q109	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
IC013	0IMCRUK002B	S78DL33L AUK 3P, TO-92L TP 3.3V REGU.	Q111	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
IC014	0ISG111725B	LD1117V25 3 SIP ST REGULATOR MC006A	Q171	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC100	0IMCRM1002A	M62320P 16DIP ST I/O EXPANDER	Q172	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC101	0IMCRMN016D	VSP9427B-XZ-C4 MICRONAS 144P QFP	Q173	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC106	0ISA721700C	LA7217M MFP14 TP SYNC SEPARATOR	Q174	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC1601	0ISG282200A	TDA2822M 8D DUAL AUDIO AMP(1W)	Q175	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC1801	0IPMGSK003A	STR-A6351 8 DIP ST SMPS 1 CHIP	Q176	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC1801	0IPMGSK019A	STR-A6151 8P DIP ST STAND-BY SWITCHING	Q1801	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
IC1802	0IL1817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER	Q191	0TR945009AA	KSC945C-Y TP TO92 NPN EPI. SILICON TR
IC190	0ISA164500B	LB1645N 10SIP BK MOTOR DRIVE IC	Q192	0TR945009AA	KSC945C-Y TP TO92 NPN EPI. SILICON TR
IC201	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W	Q193	0TR102009AB	KRC102M,TP(KRC1202),KEC
IC205	0IMCRSG011A	LD1086V18 3DIP,TO-220 ST 1.5A-L/DROP	Q194	0TR945009AA	KSC945C-Y TP TO92 NPN EPI. SILICON TR
IC301	0ISA784600A	7846 SIP,10P BK V-OUT IC	Q201	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC401	0IKE358000A	KIA358P DIP8 DUAL OP-AMP BK	Q203	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC401	0IMCRSO008A	CXA2151Q SONY 48P QFP TRAY 60LCD	Q204	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC440	0IKE782400C	KIA7824API 3 ST REGULATOR .	Q206	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC501	0IMCRSO007A	CXA2150Q SONY 64P QFP TRAY 60LCD	Q207	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC503	0IMCRFA003A	KA2903 FAIRCHILD 8SOP R/TP AMPLIFIER	Q209	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC504	0IKE780500Q	KIA7805API 3P TO-220 ST REGULATOR 5V	Q225	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC505	0IKE780500Q	KIA7805API 3P TO-220 ST REGULATOR 5V	Q251	0TFRH80001A	RK7002T116 R/TP SOT23 60V 115MA
IC505	0IKE780800J	KIA7808API 3 ST REGULATOR .	Q252	0TFRH80001A	RK7002T116 R/TP SOT23 60V 115MA
IC510	0ICTMLG010A	LGDT1000B LG IC QFP 128P TRAY DRP2	Q301	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC601	0IMCRMN001C	MSP3411G QA B8 V3 MICRONAS 80P QFP	Q301	0TR534309AA	2SC5343Y TP AUK
IC601	0IPMG00066A	TDA8947J DBS 17PIN,SOT243-1 ST	Q302	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC801	0IPMG00006A	STR-F6458(LF1352) 5PIN SIP BK STR AP-03NC	Q303	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC802	0IL1817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER	Q304	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC822	0IMCRKE018A	KIA78R05API KEC 4P TO220 ST 5V 1A	Q305	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC830	0ISH122100B	PQ12RD21 4SIP ST REGULATOR -	Q306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC843	0ISG111733B	LD1117V33C 3SIP ST REGULATOR -	Q307	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC850	0IKE780900M	KIA7809API TO220 ST 3P 9V REGULATOR	Q308	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC880	0ISK125120A	SE125N(LF12) 125V ERROR AMP	Q308	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC900	0IPRP00031A	LM2423 TE11B ST RGB AMP(3CHANNEL)	Q403	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
<b>TRANSISTOR</b>			Q420	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
D424	0TRKE10013A	KTD1047 KEC STICK TO3P 160V 12A	Q421	0TR126609AA	KTA1266-Y(KTA1015) TP KEC TO92 PNP
Q001	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA	Q422	0TF200000AA	IRFIBC20G BK I.R 600V
Q001	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q423	0TRTH10007A	2SC5858 ST TO3P VCBO 1700V IC 22A
Q002	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q430	0TR127409AB	KTA1274-Y TO-92L TP KEC
Q006	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q503	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q007	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q504	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q008	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q505	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q009	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q506	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q010	0TFRH80001A	RK7002T116 R/TP SOT23 60V 115MA	Q507	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q011	0TFRH80001A	RK7002T116 R/TP SOT23 60V 115MA	Q508	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
			Q509	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
			Q510	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
			Q511	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC

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LOCA. NO	PART NO	DESCRIPTION
Q512	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q513	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q515	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q516	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q601	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q601	0TR945009AA	KSC945C-Y TP TO92 NPN EPI. SILICON TR
Q602	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q603	0TR126609AA	KTA1266-Y(KTA1015) TP KEC TO92 PNP
Q820	0TR322709AA	KTC3227 TP KEYC, (KTC1627A)
Q821	0TR322709AA	KTC3227 TP KEYC, (KTC1627A)
Q822	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q823	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q871	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q880	0TR421009CA	BF421(TAPING) TO-92 TP PHILIPS
Q881	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q901	0TR126609AA	KTA1266-Y(KTA1015) TP KEC TO92 PNP
Q905	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q906	0TR233009CA	KSC2330-Y TP TO-92L -
<b>DIODE</b>		
D1401	0DR150009EA	RG15J TP DO15 600V 1.5A 50A 250NSEC 5UA
D1402	0DR150009EA	RG15J TP DO15 600V 1.5A 50A 250NSEC 5UA
D1801	0DD260000BB	BRIDGE D2SBA60(STK) SHINDENKEN
D1802	0DD414809ED	1N4148 TP GRANDE
D1802	0DS141489AB	1N4148 TP GRANDE - 20V
D1803	0DD414809ED	1N4148 TP GRANDE
D1803	0DS141489AB	1N4148 TP GRANDE - 20V
D1804	0DR010009AA	EG01C TP - 1000V 0.5A 10A 100NSEC 50UA
D1804	0DR100009FA	EU1DGR TP DO41 200V 1.0A 30A 50NSEC 10UA
D1805	0DD100009AM	EU1ZV(1) TP E/EO-TMD 200V 0.25A 15A 0.4US
D1805	0DR010009AA	EG01C TP - 1000V 0.5A 10A 100NSEC 50UA
D1806	0DD060009AC	TVR06J TP - 600V 250NSEC -
D1806	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
D301	0DR150009EA	RG15J TP DO15 600V 1.5A 50A 250NSEC 5UA
D401	0DD300009AC	RU3AMV(1) TP R-TMD 600V 1.5A 50A 0.4US
D401	0DRDC00014F	RU3AM TP52 DO41 500V 1.0A 30A
D402	0DD100009AE	RU1A V(1) TP R-TMD 600V 0.25A 15A
D402	0DR100009GA	RU1DGF TP DO41 600V 1.0A 30A 75NSEC
D403	0DD060009AC	TVR06J TP - 600V 250NSEC -
D403	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A
D420	0DD400509AA	1N4005 TP KEC DO204AL 600V 1A 30A
D420	0DRDC00014C	1N4005GP TP52 DO41 600V 1.0A 30A
D421	0DD400509AA	1N4005 TP KEC DO204AL 600V 1A 30A
D421	0DRDC00014C	1N4005GP TP52 DO41 600V 1.0A 30A
D422	0DD140009AA	EK14 V(1) TP E/EO-TMD 40V 1.5A 40A 0.2US 5MA
D424	0DR360000AA	FMG-36S BK - 2.2V 100NSEC 1.0MA
D505	0DS113379BA	1SS133 T-72 TP DO34 90V
D511	0DS113379BA	1SS133 T-72 TP DO34 90V
D514	0DS113379BA	1SS133 T-72 TP DO34 90V
D601	0DS113379BA	1SS133 T-72 TP DO34 90V
D603	0DS113379BA	1SS133 T-72 TP DO34 90V
D604	0DS113379BA	1SS133 T-72 TP DO34 90V

LOCA. NO	PART NO	DESCRIPTION
D605	0DS113379BA	1SS133 T-72 TP DO34 90V
D611	0DS113379BA	1SS133 T-72 TP DO34 90V
D612	0DS113379BA	1SS133 T-72 TP DO34 90V
D613	0DS113379BA	1SS133 T-72 TP DO34 90V
D802	0DD100009AM	EU1ZV(1) TP E/EO-TMD 200V 0.25A 15A 0.4US
D802	0DR100009FA	EU1DGR TP DO41 200V 1.0A 30A 50NSEC 10UA
D803	0DD100009AM	EU1ZV(1) TP E/EO-TMD 200V 0.25A 15A 0.4US
D803	0DR100009FA	EU1DGR TP DO41 200V 1.0A 30A 50NSEC 10UA
D804	0DD100009AM	EU1ZV(1) TP E/EO-TMD 200V 0.25A 15A 0.4US
D804	0DR100009FA	EU1DGR TP DO41 200V 1.0A 30A 50NSEC 10UA
D816	0DD420000BB	D4L20U SHINDENGEN
D821	0DD420000BB	D4L20U SHINDENGEN
D822	0DR360000AA	FMG-36S BK - 2.2V 100NSEC 1.0MA
D823	0DD420000BB	D4L20U SHINDENGEN
D824	0DD420000BB	D4L20U SHINDENGEN
D860	0DD120000BB	FML-G12S SANKEN
D860	0DD420000BB	D4L20U SHINDENGEN
D870	0DD060009AC	TVR06J TP - 600V 250NSEC
D870	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
D901	0DD060009AC	TVR06J TP - 600V 250NSEC
D901	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
D902	0DD060009AC	TVR06J TP - 600V 250NSEC
D902	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
D903	0DD060009AC	TVR06J TP - 600V 250NSEC
D903	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
D904	0DR140049AC	1N4004A T-81 TP DO41 500V 1.0A 30A - 10UA
D904	0DRDC00014E	1N4004A TP52 DO41 500V 1.0A 30A
D905	0DD060009AC	TVR06J TP - 600V 250NSEC
D905	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
D906	0DD060009AC	TVR06J TP - 600V 250NSEC
D906	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
D907	0DD060009AC	TVR06J TP - 600V 250NSEC
D907	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
D908	0DS113379BA	1SS133 T-72 TP DO34 90V
D909	0DD414809ED	1N4148 TP GRANDE
D909	0DS141489AB	1N4148 TP GRANDE - 20V
D920	0DD060009AC	TVR06J TP - 600V 250NSEC
D920	0DRDC00014A	TVR06J TP52 DO41 600V 0.6A 25A 150 NSSEC
DB801	0DD606000AA	RBV606 BK NA 600V 6A 150A NA 10UA
LD1	0DD000000BA	SA5711-B(DL-1LO(S)) BK AMBER
Q423	0DR500000CA	FMQ-G5GS BK TO3P 1700V 10A 50A
ZD101	0DZ330009BA	ZENER HZT33 TAPING
ZD102	0DZ330009BA	ZENER HZT33 TAPING
ZD1201	0DZ620009AK	GDZJ6.2B TP GRANDE DO34 0.5W 6.2V
ZD1201	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA
ZD1202	0DZ620009AK	GDZJ6.2B TP GRANDE DO34 0.5W 6.2V
ZD1202	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA
ZD1205	0DZ620009AK	GDZJ6.2B TP GRANDE DO34 0.5W 6.2V
ZD1205	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA
ZD1206	0DZ620009AK	GDZJ6.2B TP GRANDE DO34 0.5W 6.2V
ZD1206	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA
ZD1600	0DZ510009AK	GDZJ5.1B TP GRANDE DO34 0.5W 5.1V

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CE : Electrolytic	RN : Metal Film
	RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
ZD1801	0DZ330009CC	MTZJ3.3B TP DO34 - 3.3V 5UA
ZD1802	0DZ560009CF	MTZJ5.6B TP DO34 0.5W 5.6V 5UA
ZD302	0DZ750009AG	MTZJ7.5B TP DO34 0.5W 7.5V 5UA
ZD302	0DZ750009BE	GDZJ7.5B TP GRANDE DO34 0.5W 7.5V
ZD401	0DZ120009BG	GDZJ12B TP GRANDE DO34 0.5W 12.0V
ZD402	0DZ120009BG	GDZJ12B TP GRANDE DO34 0.5W 12.0V
ZD420	0DZ510009AK	GDZJ5.1B TP GRANDE DO34 0.5W 5.1V
ZD440	0DZ560009AH	GDZJ5.6B TP GRANDE DO34 0.5W 5.6V
ZD503	0DZ620009AK	GDZJ6.2B TP GRANDE DO34 0.5W 6.2V
ZD504	0DZ510009BF	GDZ5.1B TP GRANDE DO34 0.5W 5.1V 0.02A
ZD913	0DZ560009AH	GDZJ5.6B TP GRANDE DO34 0.5W 5.6V
ZD913	0DZ560009CF	MTZJ5.6B TP DO34 0.5W 5.6V 5UA
ZD914	0DZ910009AH	MTZJ9.1B TP DO34 - 9.1V 5UA -
ZD914	0DZ910009BD	GDZJ9.1B TP GRANDE DO34 0.5W 9.1V

**CAPACITOR**

C001	0CE106DK618	10UF STD 50V 20% FL TP 5
C007	0CE477DD618	470UF STD 10V 20% FL TP 5
C009	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C011	0CE476DD618	47UF STD 10V 20% FL TP 5
C012	0CE476DF618	47UF STD 16V 20% FL TP 5
C013	0CQ1031N509	0.01UF D 100V 10% PE TP5
C015	0CE107DD618	100UF STD 10V 20% FL TP 5
C015	0CE107DF618	100UF STD 16V 20% FL TP 5
C018	0CE106DK618	10UF STD 50V 20% FL TP 5
C024	0CE476DF618	47UF STD 16V 20% FL TP 5
C025	0CE106DK618	10UF STD 50V 20% FL TP 5
C030	0CE106DF618	10UF STD 16V 20% FL TP 5
C034	0CE106DK618	10UF STD 50V 20% FL TP 5
C035	0CE476DD618	47UF STD 10V 20% FL TP 5
C036	0CE476DD618	47UF STD 10V 20% FL TP 5
C042	0CE106DK618	10UF STD 50V 20% FL TP 5
C045	0CE106DK618	10UF STD 50V 20% FL TP 5
C054	0CE106DK618	10UF STD 50V 20% FL TP 5
C059	0CE107DD618	100UF STD 10V 20% FL TP 5
C062	0CE106DK618	10UF STD 50V 20% FL TP 5
C070	0CE107DD618	100UF STD 10V 20% FL TP 5
C070	0CE107DF618	100UF STD 16V 20% FL TP 5
C079	0CE107DD618	100UF STD 10V 20% FL TP 5
C081	0CE337DD618	330UF STD 10V 20% FL TP 5
C084	0CE106DK618	10UF STD 50V 20% FL TP 5
C090	0CE107DD618	100UF STD 10V 20% FL TP 5
C090	0CE107DF618	100UF STD 16V 20% FL TP 5
C101	0CE106DF618	10UF STD 16V 20% FL TP 5
C102	0CE106DK618	10UF STD 50V 20% FL TP 5
C104	0CE227DD618	220UF STD 10V 20% FL TP 5
C107	0CE106DF618	10UF STD 16V 20% FL TP 5
C108	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C108	0CN1030F679	10000PF D 16V 20% X5R TA52
C109	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C109	0CN1030F679	10000PF D 16V 20% X5R TA52
C114	0CN1030F679	10000PF D 16V 20% X5R TA52

LOCA. NO	PART NO	DESCRIPTION
C115	0CN1030F679	10000PF D 16V 20% X5R TA52
C117	0CE227DD618	220UF STD 10V 20% FL TP 5
C120	0CN1030F679	10000PF D 16V 20% X5R TA52
C1203	0CN2210K519	220PF D 50V 10% B(Y5P) TA52
C1204	0CN1040K949	0.1UF D 50V 80%,-20% F(Y5V) TA52
C1205	0CN2210K519	220PF D 50V 10% B(Y5P) TA52
C1206	0CN4710K519	470PF D 50V 10% B(Y5P) TA52
C1207	0CN4710K519	470PF D 50V 10% B(Y5P) TA52
C1208	0CN2210K519	220PF D 50V 10% B(Y5P) TA52
C1209	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C121	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C1210	0CE106DK618	10UF STD 50V 20% FL TP 5
C1211	0CN2210K519	220PF D 50V 10% B(Y5P) TA52
C1212	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1213	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C123	0CN1030F679	10000PF D 16V 20% X5R TA52
C124	0CE106DF618	10UF STD 16V 20% FL TP 5
C129	0CE106DK618	10UF STD 50V 20% FL TP 5
C130	0CE476DF618	47UF STD 16V 20% FL TP 5
C131	0CN1030F679	10000PF D 16V 20% X5R TA52
C1401	0CK22202510	2200PF D 2KV 10% B(Y5P) R
C1402	0CK22202510	2200PF D 2KV 10% B(Y5P) R
C141	0CE337DD618	330UF STD 10V 20% FL TP 5
C145	0CE337DD618	330UF STD 10V 20% FL TP 5
C146	0CE107DD618	100UF STD 10V 20% FL TP 5
C147	0CE107DD618	100UF STD 10V 20% FL TP 5
C148	0CE476DK618	47UF STD 50V 20% FL TP 5
C1641	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C1642	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C1643	0CE107DF618	100UF STD 16V 20% FL TP 5
C1644	0CE107DF618	100UF STD 16V 20% FL TP 5
C1645	0CE107DF618	100UF STD 16V 20% FL TP 5
C1646	0CE107DF618	100UF STD 16V 20% FL TP 5
C1648	0CN1040K949	0.1UF D 50V 80%,-20% F(Y5V) TA52
C1649	0CN1040K949	0.1UF D 50V 80%,-20% F(Y5V) TA52
C1650	0CE107DF618	100UF STD 16V 20% FL TP 5
C1652	0CE107DF618	100UF STD 16V 20% FL TP 5
C1653	0CE476DH618	47UF STD 25V 20% FL TP 5
C1680	0CN1040K949	0.1UF D 50V 80%,-20% F(Y5V) TA52
C1681	0CN4710K519	470PF D 50V 10% B(Y5P) TA52
C1682	0CN4710K519	470PF D 50V 10% B(Y5P) TA52
C1801	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C1802	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C1803	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C1804	0CK47101515	470PF D 1KV 10% B(Y5P) TR
C1805	0CK47101515	470PF D 1KV 10% B(Y5P) TR
C1806	0CE336CV551	33UF SHL,SD 450V 10% FM7.5 BK7.5
C1807	0CK10201515	1000PF D 1KV 10% B(Y5P) TR
C1808	0CK10201515	1000PF D 1KV 10% B(Y5P) TR
C1809	0CK22202510	2200PF D 2KV 10% B(Y5P) R
C1809	181-010K	PP 0.01UF 630V 5% FM 7.5MM
C181	0CE105DK618	1UF STD 50V 20% FL TP 5



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LOCA. NO	PART NO	DESCRIPTION
C1810	0CE476DK618	47UF STD 50V 20% FL TP 5
C1811	0CK47101515	470PF D 1KV 10% B(Y5P) TR
C1812	0CK8210K515	820PF D 50V 10% B(Y5P) TR
C1812	0CN8210K519	820PF D 50V 10% B(Y5P) TA52
C1813	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C1815	0CE337DF618	330UF STD 16V 20% FL TP 5
C1815	0CE477BJ618	470UF KME TYPE 35V 20% FL TP 5
C1817	0CK1020K515	1000PF D 50V 10% B(Y5P) TR
C1817	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C1818	0CE476DK618	47UF STD 50V 20% FL TP 5
C183	0CE105DK618	1UF STD 50V 20% FL TP 5
C186	0CE107DD618	100UF STD 10V 20% FL TP 5
C190	0CQ1041N509	0.1UF D 100V 10% PE TP5
C191	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF
C192	0CE226DF618	22UF STD 16V 20% FL TP 5
C193	0CN1030F679	10000PF D 16V 20% X5R TA52
C203	0CE477DF618	470UF STD 16V 20% FL TP 5
C220	0CE476DK618	47UF STD 50V 20% FL TP 5
C223	0CE476DF618	47UF STD 16V 20% FL TP 5
C224	0CE226DK618	22UF STD 50V 20% FL TP 5
C225	0CE107DD618	100UF STD 10V 20% FL TP 5
C225	0CE107DF618	100UF STD 16V 20% FL TP 5
C228	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C230	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C235	0CE476DK618	47UF STD 50V 20% FL TP 5
C237	0CE106DK618	10UF STD 50V 20% FL TP 5
C238	0CE106DK618	10UF STD 50V 20% FL TP 5
C239	0CE106DK618	10UF STD 50V 20% FL TP 5
C240	0CE106DK618	10UF STD 50V 20% FL TP 5
C241	0CE106DK618	10UF STD 50V 20% FL TP 5
C242	0CE106DK618	10UF STD 50V 20% FL TP 5
C243	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C244	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C245	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C246	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C250	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C251	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C252	0CE227DF618	220UF STD 16V 20% FL TP 5
C257	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C261	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C264	0CE226DF618	22UF STD 16V 20% FL TP 5
C267	0CE226DF618	22UF STD 16V 20% FL TP 5
C270	0CE226DF618	22UF STD 16V 20% FL TP 5
C273	0CE226DF618	22UF STD 16V 20% FL TP 5
C275	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C276	0CE227DF618	220UF STD 16V 20% FL TP 5
C282	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C285	0CE226DF618	22UF STD 16V 20% FL TP 5
C289	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C292	0CE226DF618	22UF STD 16V 20% FL TP 5
C294	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C299	0CE475DK618	4.7UF STD 50V 20% FL TP 5

LOCA. NO	PART NO	DESCRIPTION
C301	0CE108BH618	1000UF KME TYPE 25V 20% FL TP 5
C302	0CK1020K515	1000PF D 50V 10% B(Y5P) TR
C302	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C303	0CK1020K515	1000PF D 50V 10% B(Y5P) TR
C303	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C304	0CQ3341N401	0.33UF D 100V 5% PE FM5
C305	0CF2241N5AA	0.22UF D 100V 10% MPS TP 7.5
C306	0CE227BK618	220UF KME TYPE 50V 20% FL TP 5
C307	0CE108BH618	1000UF KME TYPE 25V 20% FL TP 5
C308	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C308	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C310	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C310	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C401	0CE226DR630	22UF STD 250V 20% FM5 BULK
C402	0CE107DK618	100UF STD 50V 20% FL TP 5
C403	181-009V	PP 200V 0.047UF K
C404	181-014Z	BUP 0.0033UF 1.6KV 5%,-5% FM 28.5*13.5*8.0
C405	0CQ1521N509	0.0015UF D 100V 10% PE TP5
C406	0CQ1521N509	0.0015UF D 100V 10% PE TP5
C407	0CE106DK618	10UF STD 50V 20% FL TP 5
C408	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C408	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C412	0CE226DF618	22UF STD 16V 20% FL TP 5
C414	0CE105DK618	1UF STD 50V 20% FL TP 5
C417	0CE226DF618	22UF STD 16V 20% FL TP 5
C420	0CE107BK618	100UF KME TYPE 50V 20% FL TP 5
C420	0CE107DK618	100UF STD 50V 20% FL TP 5
C421	0CK3320W515	3300PF D 500V 10% B(Y5P) TR
C422	181-011C	PP 1600V 0.0015UF J
C423	181-091V	R 390PF 2KV 10%,-10% R/TP TP7.5
C424	181-015L	MPP 1600V 0.0095UF H
C425	0CE226DF618	22UF STD 16V 20% FL TP 5
C425	0CQZVBK004B	0.027UF D 630V J PP NI FM7.5
C426	0CE685BK652	6.8UF KME TYPE 50V 20% FM7.5 BP(S)
C427	0CE685BK652	6.8UF KME TYPE 50V 20% FM7.5 BP(S)
C429	181-010F	PP 0.15UF 400V 5% FM NON
C430	181-013S	MPP 400V 0.62UF J
C431	181-013M	MPP 400V 0.22UF J
C432	181-033V	1KV B 222K FL10
C433	181-091W	R 470PF 2KV 10%,-10% R/TP TP7.5
C434	181-091W	R 470PF 2KV 10%,-10% R/TP TP7.5
C435	0CQ5621N419	5600PF D 100V 5% PE NI TP5
C436	0CE106BF618	10UF KME TYPE 16V 20% FL TP 5
C436	0CE106DF618	10UF STD 16V 20% FL TP 5
C437	0CQ1041N509	0.1UF D 100V 10% PE TP5
C440	0CE106BK618	10UF KME TYPE 50V 20% FL TP 5
C440	0CE106DK618	10UF STD 50V 20% FL TP 5
C441	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C442	0CE107DJ618	100UF STD 35V 20% FL TP 5
C443	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C444	0CE226DF618	22UF STD 16V 20% FL TP 5
C445	0CN6810K519	680PF D 50V 10% B(Y5P) TA52

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	CQ : Polyester	RS : Metal Oxide Film
	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C448	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C448	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C449	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C449	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
C450	0CE107DK618	100UF STD 50V 20% FL TP 5
C503	0CE227DF618	220UF STD 16V 20% FL TP 5
C505	0CE106DF618	10UF STD 16V 20% FL TP 5
C506	0CE476DK618	47UF STD 50V 20% FL TP 5
C507	0CE107DD618	100UF STD 10V 20% FL TP 5
C509	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C511	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C519	0CE105DK618	1UF STD 50V 20% FL TP 5
C521	0CE107DD618	100UF STD 10V 20% FL TP 5
C521	0CE107DF618	100UF STD 16V 20% FL TP 5
C523	0CE226DK618	22UF STD 50V 20% FL TP 5
C525	0CE107DD618	100UF STD 10V 20% FL TP 5
C526	181-007J	MPE ECQ-V1H564JL3(TR), 50V 0.56UF
C528	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C530	0CQ1041N455	0.1UF D 100V 5% PP NI FM7.5
C531	0CQ1041N455	0.1UF D 100V 5% PP NI FM7.5
C532	0CE107DD618	100UF STD 10V 20% FL TP 5
C532	0CE107DF618	100UF STD 16V 20% FL TP 5
C537	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF
C541	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C542	0CE107DD618	100UF STD 10V 20% FL TP 5
C542	0CE107DF618	100UF STD 16V 20% FL TP 5
C543	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF
C553	0CE107DF618	100UF STD 16V 20% FL TP 5
C556	0CE106DF618	10UF STD 16V 20% FL TP 5
C577	0CE105DK618	1UF STD 50V 20% FL TP 5
C577	0CE226DF618	22UF STD 16V 20% FL TP 5
C579	0CE226DK618	22UF STD 50V 20% FL TP 5
C582	0CE476DK618	47UF STD 50V 20% FL TP 5
C585	0CQ1032K439	0.01UF S 50V 5% M/PE NI TP5
C592	0CE104DK618	0.1UF STD 50V 20% FL TP 5
C601	0CE107DH618	100UF STD 25V 20% FL TP 5
C606	0CE105BK618	1UF KME 50V M FL TP5
C606	0CE105DK618	1UF STD 50V 20% FL TP 5
C610	0CE477DF618	470UF STD 16V 20% FL TP 5
C611	0CE105DK618	1UF STD 50V 20% FL TP 5
C631	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C636	0CE477DF618	470UF STD 16V 20% FL TP 5
C638	0CE107DD618	100UF STD 10V 20% FL TP 5
C638	0CE107DF618	100UF STD 16V 20% FL TP 5
C642	0CE107DD618	100UF STD 10V 20% FL TP 5
C646	0CQ1032K439	0.01UF S 50V 5% M/PE NI TP5
C648	0CQ1032K439	0.01UF S 50V 5% M/PE NI TP5
C650	0CE108DK650	1000UF STD 50V 20% FM7.5 BULK
C650	0CE228DK650	2200UF STD 50V 20% FM7.5 BULK
C651	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF
C652	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C653	0CN1030H949	0.0100UF 25V Z F TA52

LOCA. NO	PART NO	DESCRIPTION
C655	0CE106DK618	10UF STD 50V 20% FL TP 5
C655	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C656	0CN1030H949	0.0100UF 25V Z F TA52
C657	0CE106DK618	10UF STD 50V 20% FL TP 5
C657	0CE226DK618	22UF STD 50V 20% FL TP 5
C658	0CE107DD618	100UF STD 10V 20% FL TP 5
C658	0CE107DF618	100UF STD 16V 20% FL TP 5
C659	0CE106DF618	10UF STD 16V 20% FL TP 5
C661	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF
C662	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF
C663	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF
C664	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF
C665	0CE106DF618	10UF STD 16V 20% FL TP 5
C667	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF
C670	0CE476DD618	47UF STD 10V 20% FL TP 5
C800	181-120N	1000PF 4KV M E FMTW LEAD4.5
C806	0CK10201515	1000PF D 1KV 10% B(Y5P) TR
C807	0CK10201515	1000PF D 1KV 10% B(Y5P) TR
C809	0CEZVBK002F	470UF 0 500V M VNSN BULK
C809	181-001U	LUG(85) 470UF 450V 20% FM
C810	181-091C	DEHR33A471KN2A 470PF 1KV 10%
C811	181-014Y	MPP 1.6KV 0.0015UF J
C813	0CE227BJ618	220UF KME TYPE 35V 20% FL TP 5
C815	0CK4710K515	470PF D 50V 10% B(Y5P) TR
C816	0CK1020K515	1000PF D 50V 10% B(Y5P) TR
C824	0CE228BF618	2200UF KME TYPE 16V 20% FL TP 5
C825	0CE477DD618	470UF STD 10V 20% FL TP 5
C827	0CE477DD618	470UF STD 10V 20% FL TP 5
C830	0CK4710W515	470PF D 500V 10% B(Y5P) TR
C831	0CE108BF618	1000UF KME TYPE 16V 20% FL TP 5
C831	0CE108BH618	1000UF KME TYPE 25V 20% FL TP 5
C831	0CE108DH618	1000UF STD 25V 20% FL TP 5
C832	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C833	0CE108DH618	1000UF STD 25V 20% FL TP 5
C834	181-120N	1000PF 4KV M E FMTW LEAD4.5
C835	0CE108BF618	1000UF KME TYPE 16V 20% FL TP 5
C836	0CE477BF618	470UF KME TYPE 16V 20% FL TP 5
C836	0CE477DF618	470UF STD 16V 20% FL TP 5
C837	0CE228BF618	2200UF KME TYPE 16V 20% FL TP 5
C838	0CE108DD618	1000UF STD 10V 20% FL TP 5
C839	0CE108BF618	1000UF KME TYPE 16V 20% FL TP 5
C840	181-091C	DEHR33A471KN2A 470PF 1KV 10%
C841	0CE228BF618	2200UF KME TYPE 16V 20% FL TP 5
C842	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C843	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C844	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C845	0CE227DD618	220UF STD 10V 20% FL TP 5
C850	0CK4710W515	470PF D 500V 10% B(Y5P) TR
C851	0CE228BH61A	2200UF KME TYPE 25V 20% FL TP 7.5
C851	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
C852	0CN1030F679	10000PF D 16V 20% X5R TA52
C852	181-091D	DEHR33A102KN2A 1000PF 1KV 10%

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LOCA. NO	PART NO	DESCRIPTION
C853	0CE228BH61A	2200UF KME TYPE 25V 20% FL TP 7.5
C860	181-091C	DEHR33A471KN2A 470PF 1KV 10%
C861	0CE108DK650	1000UF STD 50V 20% FM7.5 BULK
C861	0CE228DK650	2200UF STD 50V 20% FM7.5 BULK
C862	0CE105BK618	1UF KME 50V M FL TP5
C870	181-091C	DEHR33A471KN2A 470PF 1KV 10%
C871	0CE227BK618	220UF KME TYPE 50V 20% FL TP 5
C872	0CK4710W515	470PF D 500V 10% B(Y5P) TR
C873	0CN1040K949	0.1UF D 50V 80%,-20% F(Y5V) TA52
C874	0CQ1041N509	0.1UF D 100V 10% PE TP5
C880	0CK4710W515	470PF D 500V 10% B(Y5P) TR
C880	181-091C	DEHR33A471KN2A 470PF 1KV 10%
C881	181-001B	CE 200V 470UF M LUG (105)
C883	0CE107DD618	100UF STD 10V 20% FL TP 5
C884	0CE227CR650	220UF SHL 250V M FM7.5 BULK
C885	0CE106DH618	10UF STD 25V 20% FL TP 5
C901	0CE106BR618	10UF KME TYPE 250V 20% FL TP 5
C902	0CH3104P56C	0.1UF 630V 10% X7R 4532 R/TP
C903	0CK47202510	4700PF D 2KV 10% B(Y5P) R
C904	0CE475DR618	4.7UF STD 250V 20% FL TP 5
C905	0CN1040K949	0.1UF D 50V 80%,-20% F(Y5V) TA52
C906	0CE107DF618	100UF STD 16V 20% FL TP 5
C907	0CN3310K519	330PF D 50V 10% B(Y5P) TA52
C908	181-033R	2KV B 102K TP7.5(TEMP.+85)
C909	0CH3104P56C	0.1UF 630V 10% X7R 4532 R/TP
C910	0CE476DF618	47UF STD 16V 20% FL TP 5
C920	0CN1030F679	10000PF D 16V 20% X5R TA52
C921	0CE107DF618	100UF STD 16V 20% FL TP 5
C922	0CN1510K519	150PF D 50V 10% B(Y5P) TA52
C923	0CE107DF618	100UF STD 16V 20% FL TP 5
C924	0CE107BF618	100UF KME TYPE 16V 20% FL TP 5
C925	0CK1030W510	0.01UF D 500V 10% B(Y5P) R
C926	0CE106DP618	10UF STD 160V 20% FL TP 5
C927	0CK10101515	100PF D 1KV 10% B(Y5P) TR
C928	0CE107BF618	100UF KME TYPE 16V 20% FL TP 5
C929	0CQ1044R539	0.1UF TE 250V 10% M/PE NI TP5
C930	0CE106BP618	10UF KME TYPE 160V 20% FL TP 5
C932	0CN1040K949	0.1UF D 50V 80%,-20% F(Y5V) TA52
C933	0CK1040K945	0.1UF D 50V 80%,-20% F(Y5V) TR
R886	0CN1020K519	1000PF D 50V 10% B(Y5P) TA52
<b>COIL &amp; INDUCTOR</b>		
L101	0LA0102K139	INDUCTOR, AXIAL LEAD 10UH 10% A 4.0 X 10.5
L102	0LA0102K139	INDUCTOR, AXIAL LEAD 10UH 10% A 4.0 X 10.5
L1201	0LA0472K119	INDUCTOR, AXIAL LEAD 47UH 10% A 2.3 X 3.4
L1202	0LA0472K119	INDUCTOR, AXIAL LEAD 47UH 10% A 2.3 X 3.4
L1203	0LA0472K119	INDUCTOR, AXIAL LEAD 47UH 10% A 2.3 X 3.4
L1204	0LA0472K119	INDUCTOR, AXIAL LEAD 47UH 10% A 2.3 X 3.4
L1401	61409B0007A	CH-1215S GET 6.0MH 10% 1UEW 0.25PIE
L1602	0LA0682K139	INDUCTOR, AXIAL LEAD 68UH 10% A 4.0 X 10.5
L301	150-C02F	82UH PHY TURN
L302	150-C02F	82UH PHY TURN

LOCA. NO	PART NO	DESCRIPTION
L401	0LA1001K139	INDUCTOR, AXIAL LEAD 1000UH 10% A 4.0 X 10.5
L402	150-717K	1.1UH PHY TURN
L421	150-C04E	285UH PHY TURN
L422	61409B0003A	JS-D011 44UH 10% USTC 0.12PIE (8*30)
L423	61409B0004B	AR-0820 GET 130UH 10% USTC 0.12PIE (8*20)
L424	61409Y0003A	HL-1520S GET 7.5UH 25% USTC 0.12PIE
L850	0LA0102K119	INDUCTOR, AXIAL LEAD 10UH 10% A 2.3 X 3.4
L850	150-C02F	82UH PHY TURN
L860	150-C02F	82UH PHY TURN
L881	150-C02F	82UH PHY TURN
L901	0LA0102K139	INDUCTOR, AXIAL LEAD 10UH 10% A 4.0 X 10.5
L902	0LA0102K139	INDUCTOR, AXIAL LEAD 10UH 10% A 4.0 X 10.5
L910	0LA0221K139	INDUCTOR, AXIAL LEAD 2.2UH 10% A 4.0 X 10.5
L911	0LA0221K139	INDUCTOR, AXIAL LEAD 2.2UH 10% A 4.0 X 10.5
L912	0LA0221K139	INDUCTOR, AXIAL LEAD 2.2UH 10% A 4.0 X 10.5
T1802	6170VMCA52B	TRANSFORMER,SMPS[COIL] EE2229 1200UH
T1802	6170VS0004B	TRANSFORMER,STAND-BY EE2229 2200UHH
T1803	6170VZ0008A	TRANSFORMER, TS4841 30500UH REACTOR
T402	151-515A	TRANSFORMER, EI 2519 4.5MH CF201
T403	6170VMCA26G	TRANSFORMER,SMPS[COIL] EER2834 390000UH
T802	6170VMCB16M	TRANSFORMER,SMPS[COIL] EE5555 300UH
<b>CONNECTOR</b>		
P100	6630N600132	DIN41612-B49-FL32 REXCONN 32P 2.54MM
P100B	6630V600932	DIN41612-B49-ML32 REXCONN 32P 2.54MM
P101	6630N600132	DIN41612-B49-FL32 REXCONN 32P 2.54MM
P101B	6630V600932	DIN41612-B49-ML32 REXCONN 32P 2.54MM
P103	387-907N	1P 900MM R-H UL1617AWG22 MXH8610
P105	366-932E	GIL-G-06P LGC 6PIN 2.54MM STICK
P1101	387-A04F	4P 2.5MM 350MM H-B UL1007AWG26
P1104	387-A05J	5P 2.5MM 500MM H-B UL1007AWG26
P1514	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P1514	387-A04H	4P 2.5MM 450MM H-B UL1007AWG26
P1600	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P1601	387-A03G	3P 2.5MM 400MM H-B UL1007AWG26
P1601	387-A03J	3P 2.5MM 500MM H-B UL1007AWG26
P1701A	366-009D	2.36PAI 1P . K/M AUTO
P1701B	366-009D	2.36PAI 1P . K/M AUTO
P1702	366-009D	2.36PAI 1P . K/M AUTO
P1702A	366-009D	2.36PAI 1P . K/M AUTO
P1702B	366-009D	2.36PAI 1P . K/M AUTO
P1703	366-009D	2.36PAI 1P . K/M AUTO
P1801	366-009D	2.36PAI 1P . K/M AUTO
P1801	387-552S	2P 10.0MM 400MM H-H UL1617AWG22
P1802	366-009D	2.36PAI 1P . K/M AUTO
P1804	366-009D	2.36PAI 1P . K/M AUTO
P1805	366-009D	2.36PAI 1P . K/M AUTO
P190	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P1901	6630V90177B	25421WR-20A01 20P 2.54MM PIN HEADER
P203	366-932E	GIL-G-06P LGC 6PIN 2.54MM STICK
P203	387-A06C	6P 2.5MM 200MM H-B UL1007AWG26
P203B	366-932E	GIL-G-06P LGC 6PIN 2.54MM STICK

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LOCA. NO	PART NO	DESCRIPTION
P301	6602V39002D	YW396 YEONHO 2P 3.96MM STRAIGHT
P401	6630V90173A	YW396-625V YEON HO 6P 3.9MM 6PIN
P401	6630V90173A	YW396-625V YEON HO 6P 3.9MM 6PIN
P401A	6630V90173A	YW396-625V YEON HO 6P 3.9MM 6PIN
P401B	6602V39002B	YW396 YEONHO 4P 3.96MM STRAIGHT
P402	6602V39002D	YW396 YEONHO 2P 3.96MM STRAIGHT
P403B	387-A07G	7P 2.5MM 400MM H-B UL1007AWG26
P514	366-921C	IL-G-04 LGC 2.5MM S/T
P601A	366-922L	GIL-G-12P LGC 12PIN 2.54MM RIGHT ANGLE
P601B	366-932L	IL-G-12P LGC 2.5MM S/T STICK
P602B	387-B04G	4P 2.5MM 400MM H-B UL1185AWG26
P602B	387-B04K	4P 2.5MM 600MM H-B UL1185AWG26
P650	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P651	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P801	6630V90173A	YW396-625V YEON HO 6P 3.9MM 6PIN
P801B	6630V90173A	YW396-625V YEON HO 6P 3.9MM 6PIN
P802	6602V39002C	YW396 YEONHO 3P 3.96MM STRAIGHT
P803	366-932E	GIL-G-06P LGC 6PIN 2.54MM STICK
P803B	387-A06B	6P 2.5MM 150MM H-B UL1007AWG26
P901	366-009D	2.36PAI 1P . K/M AUTO
P901A	366-922L	GIL-G-12P LGC 12PIN 2.54MM RIGHT ANGLE
P901B	366-932L	IL-G-12P LGC 2.5MM S/T STICK
P903	366-009D	2.36PAI 1P . K/M AUTO
P904	366-009D	2.36PAI 1P . K/M AUTO
P905	366-932F	GIL-G-07P LGC 7PIN 2.54MM STICK
P906	366-932F	GIL-G-07P LGC 7PIN 2.54MM STICK
P920	366-921B	GIL-G-03P LGC 3PIN 2.54MM STICK

**RESISTOR**

AR001	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR002	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR003	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR004	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR005	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR006	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR007	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR008	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR009	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
AR011	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM 5%
FR901	0RF0101K607	1 OHM 2 W 5.00% TA62
FR901	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R006	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R007	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R008	0RD9101F609	9.1K OHM 1/6 W 5.00% TA52
R009	0RD9101F609	9.1K OHM 1/6 W 5.00% TA52
R101	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R102	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R103	0RD4300F609	430 OHM 1/6 W 5.00% TA52
R104	0RD0102F609	10 OHM 1/6 W 5% TA52
R105	0RD0102F609	10 OHM 1/6 W 5% TA52
R107	0RD1000F609	100 OHM 1/6 W 5% TA52
R108	0RD1000F609	100 OHM 1/6 W 5% TA52

LOCA. NO	PART NO	DESCRIPTION
R109	0RD1000F609	100 OHM 1/6 W 5% TA52
R110	0RD1000F609	100 OHM 1/6 W 5% TA52
R111	0RD1002F609	10K OHM 1/6 W 5% TA52
R112	0RD1002F609	10K OHM 1/6 W 5% TA52
R115	0RD0222F609	22 OHM 1/6 W 5.00% TA52
R116	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R117	0RD0102F609	10 OHM 1/6 W 5% TA52
R118	0RD0102F609	10 OHM 1/6 W 5% TA52
R119	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R120	0RD0102F609	10 OHM 1/6 W 5% TA52
R1204	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R1206	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1208	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R1212	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R122	0RD0102F609	10 OHM 1/6 W 5% TA52
R125	0RD1000F609	100 OHM 1/6 W 5% TA52
R126	0RD1000F609	100 OHM 1/6 W 5% TA52
R127	0RD1000F609	100 OHM 1/6 W 5% TA52
R128	0RD1001F609	1K OHM 1/6 W 5% TA52
R129	0RD1000F609	100 OHM 1/6 W 5% TA52
R1292	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R130	0RD1000F609	100 OHM 1/6 W 5% TA52
R135	0RD4300F609	430 OHM 1/6 W 5.00% TA52
R1401	0RS0152K607	15 OHM 2 W 5.00% TA62
R141	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R142	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R143	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R144	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R146	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R147	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R148	0RD0472F609	47 OHM 1/6 W 5% TA52
R149	0RD0472F609	47 OHM 1/6 W 5% TA52
R160	0RD1001F609	1K OHM 1/6 W 5% TA52
R1600	0RS0102K607	10 OHM 2 W 5.00% TA62
R1601	0RS0472K607	47 OHM 2 W 5.00% TA62
R1602	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R1603	0RD0271F609	2.7 OHM 1/6 W 5.00% TA52
R1604	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R1605	0RD0271F609	2.7 OHM 1/6 W 5.00% TA52
R1606	0RD2400F609	240 OHM 1/6 W 5.00% TA52
R1607	0RD2400F609	240 OHM 1/6 W 5.00% TA52
R1701	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52
R1801	180-822M	RWR 15W 1.0 OHM J PD
R1802	0RD2203A609	220K OHM 1/2 W(7.0) 5.00% TA52
R1802	0RS1203K607	120K OHM 2 W 5.00% TA62
R1803	0RD1003A609	100K OHM 1/2 W(7.0) 5.00% TA52
R1803	0RD1803A609	180K OHM 1/2 W(7.0) 5.00% TA52
R1804	0RD1003A609	100K OHM 1/2 W(7.0) 5.00% TA52
R1804	0RD1803A609	180K OHM 1/2 W(7.0) 5.00% TA52
R1805	0RD1802F609	18K OHM 1/6 W 5.00% TA52
R1806	0RD0331H609	3.3 OHM 1/2 W 5.00% TA52
R1806	0RS0101H609	1 OHM 1/2 W 5.00% TA52

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible
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LOCA. NO	PART NO	DESCRIPTION
R1807	0RD1001F609	1K OHM 1/6 W 5% TA52
R1808	0RD1001F609	1K OHM 1/6 W 5% TA52
R1808	0RD1001F609	1K OHM 1/6 W 5% TA52
R1809	0RD0222A609	22 OHM 1/2 W(7.0) 5.00% TA52
R1809	0RD0272A609	27 OHM 1/2 W(7.0) 5.00% TA52
R1810	180-C02J	ERC12GK106V(RC 1/2W 10M K TA)
R1811	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R1812	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R1813	0RD1301F609	1.3K OHM 1/6 W 5.00% TA52
R1813	0RD7500F609	750 OHM 1/6 W 5% TA52
R1814	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R1814	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R1815	0RD9100F609	910 OHM 1/6 W 5.00% TA52
R190	0RD1001F609	1K OHM 1/6 W 5% TA52
R191	0RD1001F609	1K OHM 1/6 W 5% TA52
R192	0RD1002F609	10K OHM 1/6 W 5% TA52
R193	0RD1002F609	10K OHM 1/6 W 5% TA52
R194	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R195	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R196	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R197	0RD0272F609	27 OHM 1/6 W 5.00% TA52
R301	0RD1002F609	10K OHM 1/6 W 5% TA52
R302	0RD1002F609	10K OHM 1/6 W 5% TA52
R303	0RN4701F409	4.7K OHM 1/6 W 1.00% TA52
R303	0RN5101F409	5.10K 1/6W 1% TA52
R304	0RN4701F409	4.7K OHM 1/6 W 1.00% TA52
R304	0RN5101F409	5.10K 1/6W 1% TA52
R305	0RS0332H609	33 OHM 1/2 W 5.00% TA52
R306	0RS4700K607	470 OHM 2 W 5.00% TA62
R307	0RS4700K607	470 OHM 2 W 5.00% TA62
R308	0RN0820H609	0.82 OHM 1/2 W 5.00% TA52
R309	0RN0820H609	0.82 OHM 1/2 W 5.00% TA52
R310	0RD4301F609	4.3K OHM 1/6 W 5.00% TA52
R311	0RD1002F609	10K OHM 1/6 W 5% TA52
R312	0RD8202F609	82K OHM 1/6 W 5.00% TA52
R313	0RD1802F609	18K OHM 1/6 W 5.00% TA52
R314	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R401	0RS1001K607	1K OHM 2 W 5.00% TA62
R402	0RS0101K607	1 OHM 2 W 5.00% TA62
R403	0RF0101H609	1.0 1/2W 5 TA52
R403	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R405	0RF0680J607	0.68 OHM 1 W 5.00% TA62
R406	0RF0101H609	1.0 1/2W 5 TA52
R407	0RS2701H609	2.7K OHM 1/2 W 5.00% TA52
R408	0RD2204A609	2.2M OHM 1/2 W(7.0) 5.00% TA52
R410	0RD1001F609	1K OHM 1/6 W 5% TA52
R411	0RD4701A609	4.7K OHM 1/2 W(7.0) 5.00% TA52
R412	0RD4701A609	4.7K OHM 1/2 W(7.0) 5.00% TA52
R414	180-C02M	5.6K OHM 1/2 W 10% TA52
R416	0RS0221H609	2.2 OHM 1/2 W 5.00% TA52
R417	0RD1000F609	100 OHM 1/6 W 5% TA52
R418	0RD3902F609	39K OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R419	0RD9101F609	9.1K OHM 1/6 W 5.00% TA52
R420	0RS2200K607	220 OHM 2 W 5.00% TA62
R421	0RS2200K607	220 OHM 2 W 5.00% TA62
R423	0RD1000F609	100 OHM 1/6 W 5% TA52
R424	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R425	0RS3300H609	330 OHM 1/2 W 5.00% TA52
R427	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R428	0RS0562H609	56 OHM 1/2 W 5.00% TA52
R430	0RS2200K607	220 OHM 2 W 5.00% TA62
R430	0RS4700K607	470 OHM 2 W 5.00% TA62
R431	0RD1001A609	1K OHM 1/2 W(7.0) 5.00% TA52
R432	0RD1000F609	100 OHM 1/6 W 5% TA52
R433	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R434	0RD1001A609	1K OHM 1/2 W(7.0) 5.00% TA52
R435	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R436	0RD1301A609	1.3K OHM 1/2 W(7.0) 5.00% TA52
R438	0RD2701A609	2.7K OHM 1/2 W(7.0) 5.00% TA52
R439	0RD2701A609	2.7K OHM 1/2 W(7.0) 5.00% TA52
R440	0RD3901A609	3.9K OHM 1/2 W(7.0) 5.00% TA52
R441	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R442	0RD4701H609	4.7K OHM 1/2 W 5.00% TA52
R443	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R444	0RD1001F609	1K OHM 1/6 W 5% TA52
R445	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R446	0RD4702F609	47K OHM 1/6 W 5% TA52
R447	0RD1001F609	1K OHM 1/6 W 5% TA52
R453	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R456	0RD5600F609	560 OHM 1/6 W 5% TA52
R457	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R458	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R460	0RD1002F609	10K OHM 1/6 W 5% TA52
R461	0RF0101H609	1.0 1/2W 5 TA52
R514	0RN4701F409	4.7K OHM 1/6 W 1.00% TA52
R577	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R602	0RD2401F609	2.4K OHM 1/6 W 5.00% TA52
R602	0RD9101F609	9.1K OHM 1/6 W 5.00% TA52
R603	0RD2401F609	2.4K OHM 1/6 W 5.00% TA52
R606	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R608	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R611	0RD1000F609	100 OHM 1/6 W 5% TA52
R612	0RD1002F609	10K OHM 1/6 W 5% TA52
R614	0RD1001F609	1K OHM 1/6 W 5% TA52
R651	0RD1801F609	1.8K OHM 1/6 W 5.00% TA52
R652	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R656	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R661	0RD1801F609	1.8K OHM 1/6 W 5.00% TA52
R691	0RD2703F609	270K OHM 1/6 W 0.05 TA52
R800	180-C02J	ERC12GK106V(RC 1/2W 10M K TA)
R804	0RS1003K607	100K OHM 2 W 5.00% TA62
R805	0RS1003K607	100K OHM 2 W 5.00% TA62
R806	0RD0822A609	82 OHM 1/2 W(7.0) 5.00% TA52
R807	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

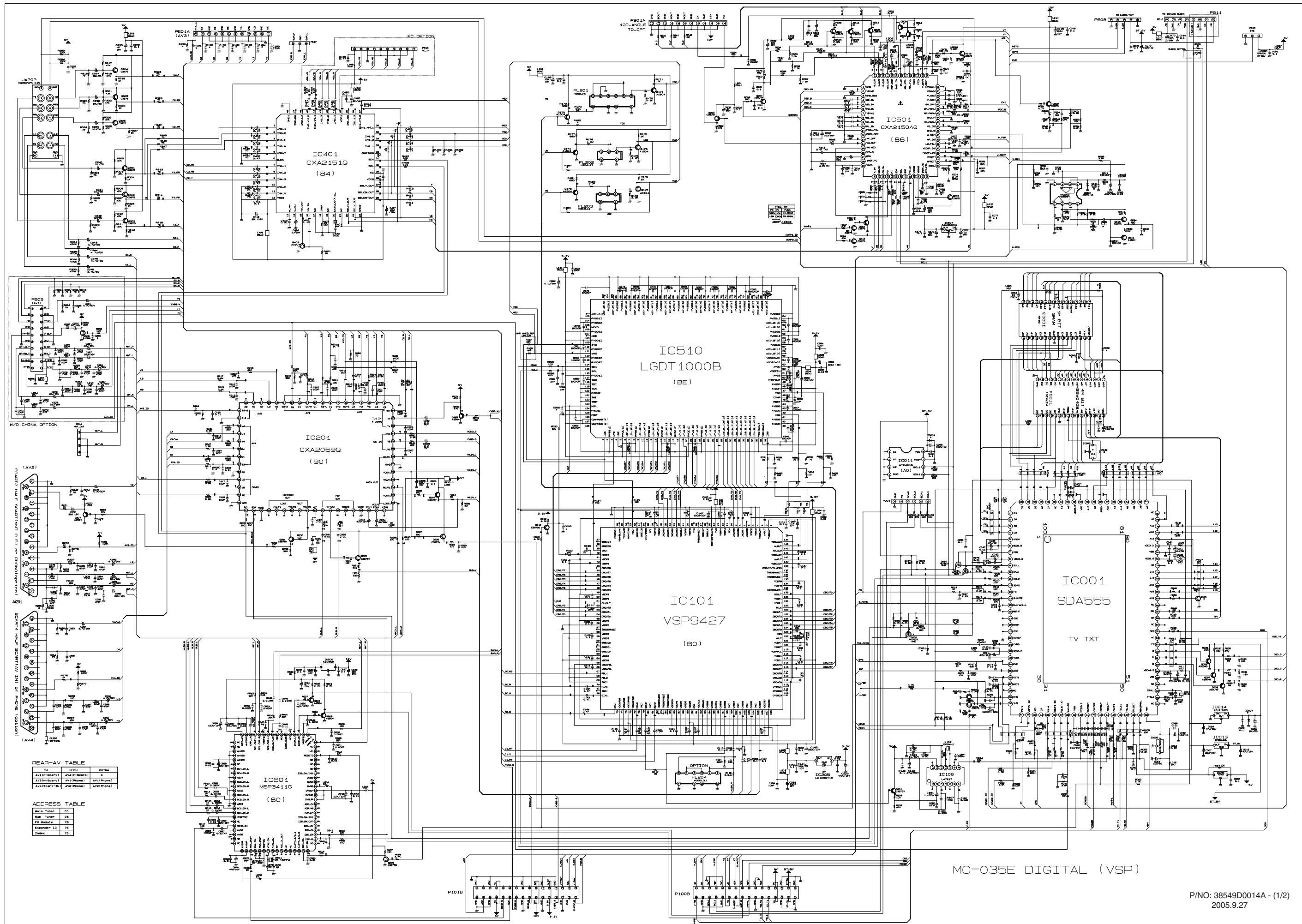
CC, CX, CK, CN : Ceramic	RD : Carbon Film
CQ : Polyester	RS : Metal Oxide Film
CE : Electrolytic	RN : Metal Film
	RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R808	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R809	180-A01Q	0.082 OHM 2W +/-10% PRW V-TYPE
R810	0RD1001F609	1K OHM 1/6 W 5% TA52
R821	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R822	0RD1002F609	10K OHM 1/6 W 5% TA52
R823	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R824	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R825	0RD1001F609	1K OHM 1/6 W 5% TA52
R826	0RD1001F609	1K OHM 1/6 W 5% TA52
R827	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R830	0RP0020J809	0.02 OHM 1 W 20% TA52
R840	0RP0020J809	0.02 OHM 1 W 20% TA52
R841	0RS0331K607	3.3 OHM 2 W 5.00% TA62
R842	0RS0331K607	3.3 OHM 2 W 5.00% TA62
R850	0RD4702F609	47K OHM 1/6 W 5% TA52
R850	0RP0020J809	0.02 OHM 1 W 20% TA52
R851	0RD2001F609	2K OHM 1/6 W 5% TA52
R851	0RP0020J809	0.02 OHM 1 W 20% TA52
R852	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R853	0RD1301F609	1.3K OHM 1/6 W 5.00% TA52
R860	0RP0020J809	0.02 OHM 1 W 20% TA52
R869	0RD1000F609	100 OHM 1/6 W 5% TA52
R870	0RD1000F609	100 OHM 1/6 W 5% TA52
R871	0RD7500F609	750 OHM 1/6 W 5% TA52
R872	0RD2001F609	2K OHM 1/6 W 5% TA52
R873	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R874	0RD1001F609	1K OHM 1/6 W 5% TA52
R875	0RD1001F609	1K OHM 1/6 W 5% TA52
R875	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R877	0RF0181K607	1.80 2W 5% TA62
R878	0RF0181K607	1.80 2W 5% TA62
R879	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R879	0RD4300F609	430 OHM 1/6 W 5.00% TA52
R879	0RD5600F509	560 1/6W 2 TA52
R879	0RD5600F509	560 1/6W 2 TA52
R879	0RD5600Q609	560 1/4W(3 5% TA52
R881	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R882	0RD7502A609	75K OHM 1/2 W(7.0) 5.00% TA52
R883	0RD9102F609	91K OHM 1/6 W 5.00% TA52
R884	0RD1002F609	10K OHM 1/6 W 5% TA52
R885	0RS1002J607	10K OHM 1 W 5.00% TA62
R901	0RD1000F609	100 OHM 1/6 W 5% TA52
R902	0RD1000F609	100 OHM 1/6 W 5% TA52
R903	0RD1000F609	100 OHM 1/6 W 5% TA52
R904	0RD1002F609	10K OHM 1/6 W 5% TA52
R904	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R906	0RD1001F609	1K OHM 1/6 W 5% TA52
R907	0RD1001F609	1K OHM 1/6 W 5% TA52
R908	0RD1001F609	1K OHM 1/6 W 5% TA52
R909	0RD3600H609	360 OHM 1/2 W 5.00% TA52
R910	180-C02P	220OHM 1/2 W 5% TA52
R912	0RD2204H609	2.2M OHM 1/2 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R913	0RD1001F609	1K OHM 1/6 W 5% TA52
R913	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R915	0RD1202F609	12K OHM 1/6 W 5% TA52
R921	0RD1000F609	100 OHM 1/6 W 5% TA52
R922	0RD1000F609	100 OHM 1/6 W 5% TA52
R924	0RS2200J607	220 OHM 1 W 5.00% TA62
R925	0RS2200J607	220 OHM 1 W 5.00% TA62
R926	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R927	0RD3001F609	3K OHM 1/6 W 5.00% TA52
R928	0RD4702F609	47K OHM 1/6 W 5% TA52
R929	0RD2001F609	2K OHM 1/6 W 5% TA52
R931	180-C02P	220OHM 1/2 W 5% TA52
R932	0RD1002F609	10K OHM 1/6 W 5% TA52
R934	0RD1802F609	18K OHM 1/6 W 5.00% TA52
R935	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R937	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R938	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R940	0RD3600H609	360 OHM 1/2 W 5.00% TA52
R941	0RD3600H609	360 OHM 1/2 W 5.00% TA52
R942	180-C02P	220OHM 1/2 W 5% TA52
<b>SWITCH</b>		
SW1	140-315A	SKHV17910B 12V 0.05A HORIZONTAL 160G
SW1401	140-079D	JLS1301 JEIL 36V 200MA LEVER S/W,JEIL
SW1701	6600VM2002A	SDKEA3 ALPS IEC 250V 8A HORIZONTAL 480G
SW2	140-315A	SKHV17910B 12V 0.05A HORIZONTAL 160G
SW3	140-315A	SKHV17910B 12V 0.05A HORIZONTAL 160G
SW4	140-315A	SKHV17910B 12V 0.05A HORIZONTAL 160G
SW5	140-315A	SKHV17910B 12V 0.05A HORIZONTAL 160G
SW6	140-315A	SKHV17910B 12V 0.05A HORIZONTAL 160G
<b>FILTER &amp; CRYSTAL</b>		
FB101	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
FB1201	125-123A	FERRITE BFD3565R2F(TAPING)
FB1202	125-123A	FERRITE BFD3565R2F(TAPING)
FB1203	125-123A	FERRITE BFD3565R2F(TAPING)
FB130	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
FB802	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
FB802	125-123A	FERRITE BFD3565R2F(TAPING)
FL201	6200VKR001B	LPF 2EA SMD TH355LSK-K5214
FL202	6200VKR001A	LPF 1EA SMD H354LAI-K5206
FL203	6200VKR001A	LPF 1EA SMD H354LAI-K5206
L013	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L014	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L015	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L104	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L105	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L108	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L201	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L202	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L203	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L205	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP

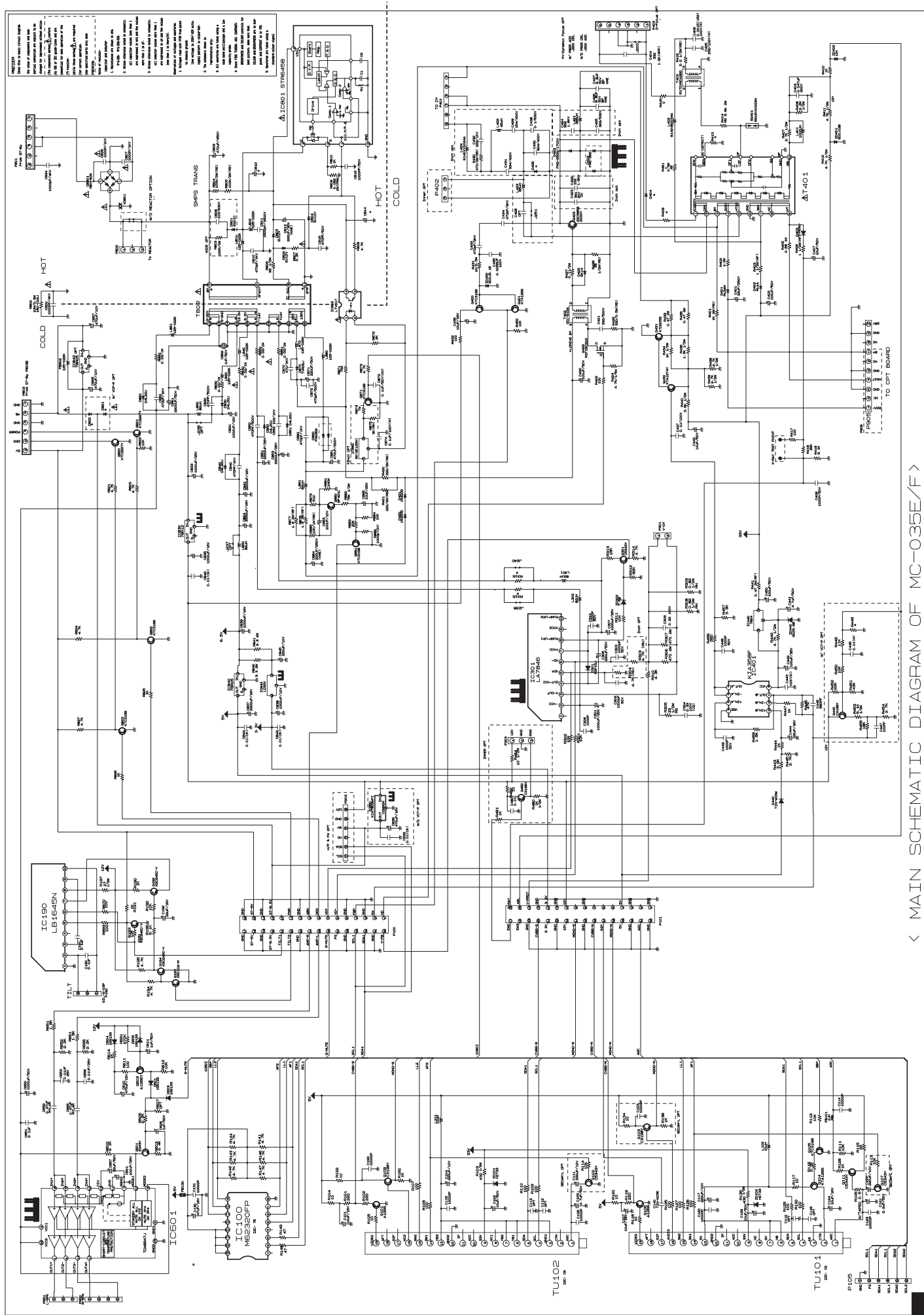
LOCA. NO	PART NO	DESCRIPTION
L207	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L301	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L401	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L402	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L504	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L505	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L511	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L801	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
L802	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
L830	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
L840	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
L861	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
L870	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
L880	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
L903	125-123A	FERRITE BFD3565R2F(TAPING)
L904	125-022K	FERRITE AXIAL 62MM 1UH NY 3.5X6.0MM
T1701	150-F06T	SQE3535 20MH PHY TURN
T1801	150-F06T	SQE3535 20MH PHY TURN
X001	156-A01L	RESONATOR,CRYSTAL HC49U 6.000MHZ 30PPM
X101	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ 30PPM
X102	166-E02F	RESONATOR,CERAMIC CSBLA500KECZF09-B0
X401	156-A01E	RESONATOR,CRYSTAL HC49U 4.000MHZ
X501	6212AB3004D	RESONATOR,CRYSTAL CSALF2M69G4ZF01-A3
X601	156-A02R	RESONATOR,CRYSTAL HC49U 18.432MHZ
<b>JACK</b>		
JA1	6612J10019A	PMJ016-12 3P RCA +1P DIN+EAR JACK
JA201	6612JH003FD	PPJ146A PARK ELEC. (3P*3P*3P) 90 TURN
JA202	6612VJH022C	PPJ125C 2X5 10PIN,COMPO-6,AD-4
P1902	6612J00043C	UPJ-R1-031 S/T,SCART,SHIELD,SPRING
P1903	6612VJV005D	PPJ118-04 A/V 2P(6612VJV005B+SHIELD)
<b>ACCESSORIES</b>		
A1	3828VA0573A	MANUAL, USER 32/29 SLIM EN 136V/Q TX
A1	3828VA0573F	MANUAL, USER 32/29 SLIM AR/EN 136V TX
A1	3828VA0573L	MANUAL, SLIM/UKR/BZ03 RU/EN 136V TX 340M
A1	3828VA0573W	MANUAL, USER ML/GAME EN 136V TX
A2	6710V00136V	REMOTE CONTROLLER, W/PIP, W/TXT M.EAST
A3	450-018C	ADAPTER,RFUGCOM 1.5KV 5MA UMT-PA-002
<b>MISCELLANEOUS</b>		
CA1	6851V00022C	CABLE,COAXIAL UL1365#26 VW-1
F1701	0FS5001B51D	FUSE,SLOW BLOW5000MA 250 V 5.2X20
HIC1602	0IZZVF0025C	PWB(PCB) ASSEMBLY, 0IZZVF0025C
IC004	6620VF3201A	SOCKET(CIRC),IC NIKEL PLCC
JA202	68719SM140A	PWB(PCB) ASSEMBLY,SUB M.I MC035E
JA202	68719SM410A	PWB(PCB) ASSEMBLY,SUB M.I MC035E
PA1	6712R1538GH	REMOTE CONTROLLER RECEIVER, TSOP2438
SG401	6918VAX006A	SPARK GAP,AXIAL WSA-362M 3600V
SG904	6918VAX002B	SPARK GAP,AXIAL SSA-102N-A1 1000V 30% 5MM
SK901	6620VBD001A	SOCKET (CIRC),CPTPCS701A 9P 14/360
T401	6174917001C	FBT, D17 BSC30-N2563

LOCA. NO	PART NO	DESCRIPTION
TH1801	6322TB070AA	THERMISTOR,PTCJ503P63D070M290S
TU101	6700MF0001C	TUNER, TAUD-Z240D 4SYS,2IN1,MAIN
TU101	6700MF0001P	TUNER, TAUD-Z250D LGIT DIN MAIN 2IN1
TU102	6700MF0001D	TUNER, TAFD-Z241P 4SYS,2 IN 1,SUB
VD1701	164-003G	VARISTOR, TVR621D14A THINKING 620V
VD1701	164-003K	VARISTOR, SVC621D-14A ILJIN 620V
VD801	164-003G	VARISTOR, 10% UL/CSA/VDE BK



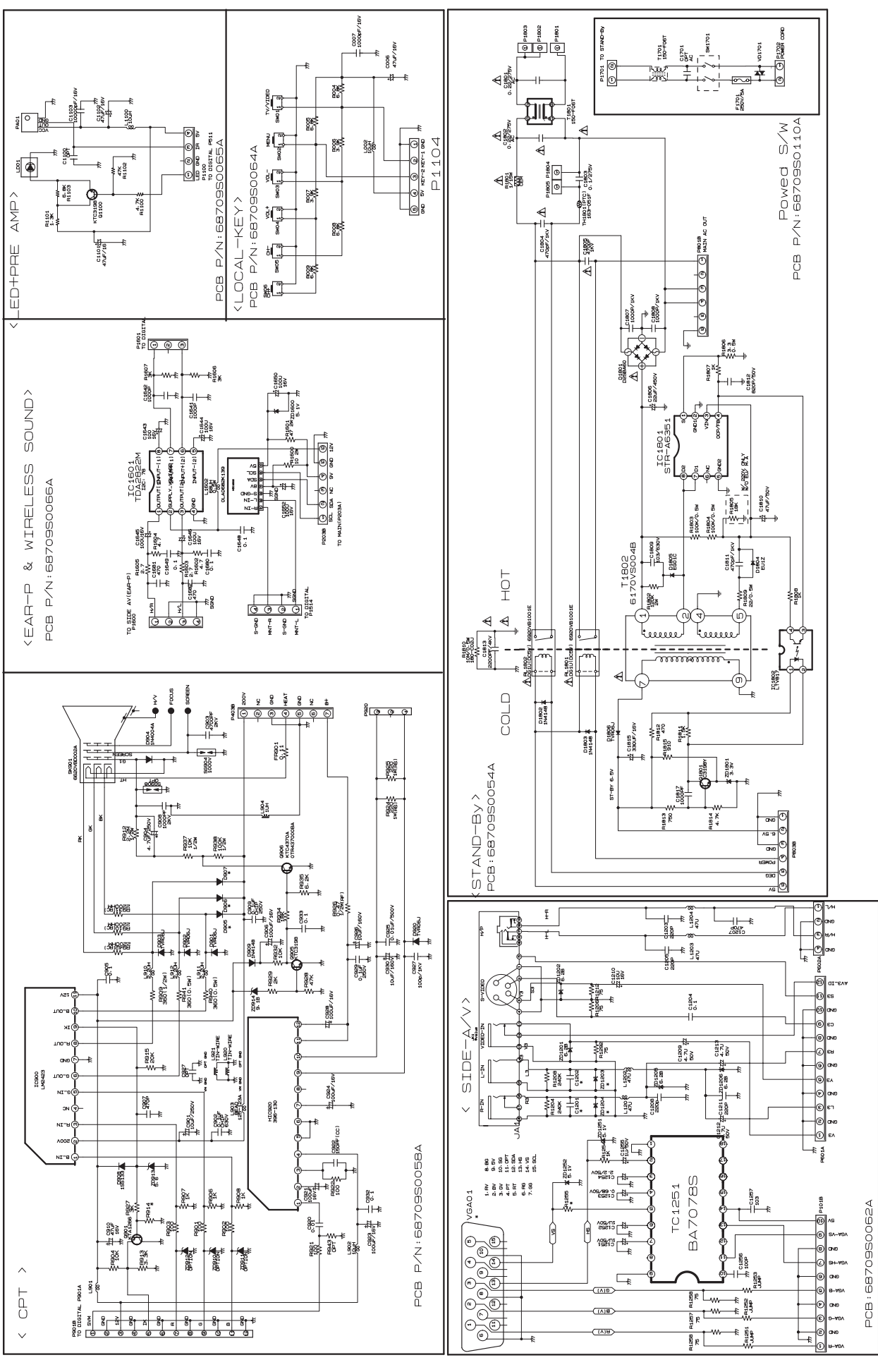
MC-035E DIGITAL (VSP)





← MAIN SCHEMATIC DIAGRAM OF MC-035E/F →

MC-035E/F SUB



**SVC. SHEET : 38549D0014A-S**



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