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COLOR TV

SERVICE MANUAL

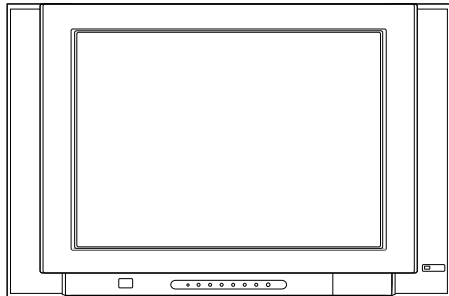
CHASSIS : MC-05HB

MODEL : 29FA3RNX

29FA3RNX-ZF

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 Δ 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 Ω and 5.2M Ω .

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.

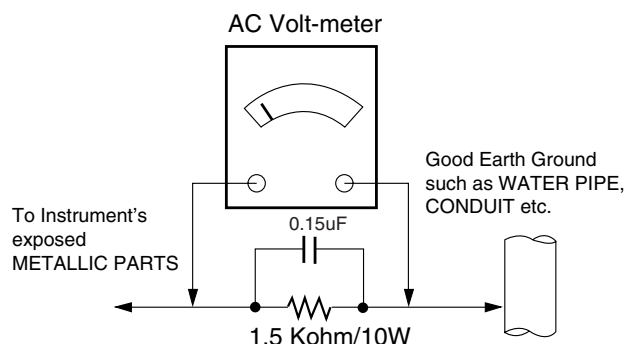
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

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 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

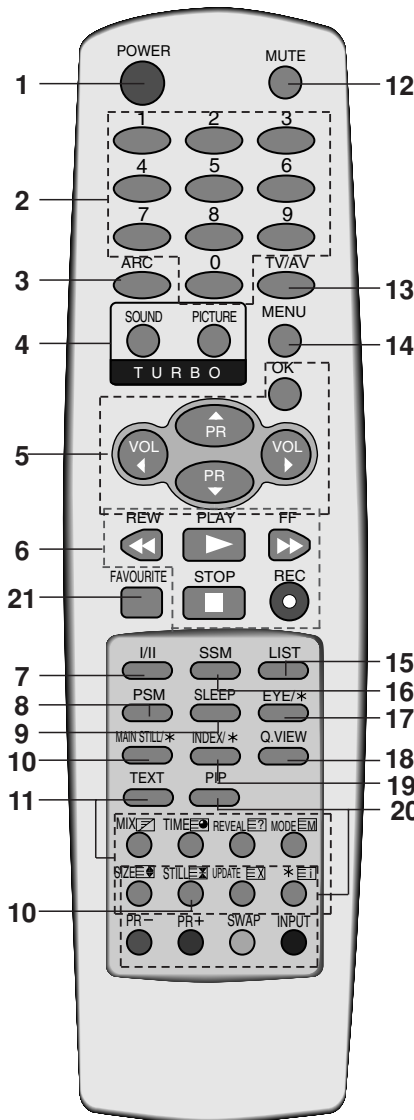


CONTROL DESCRIPTIONS

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.



(With TELETEXT)
(With PIP)

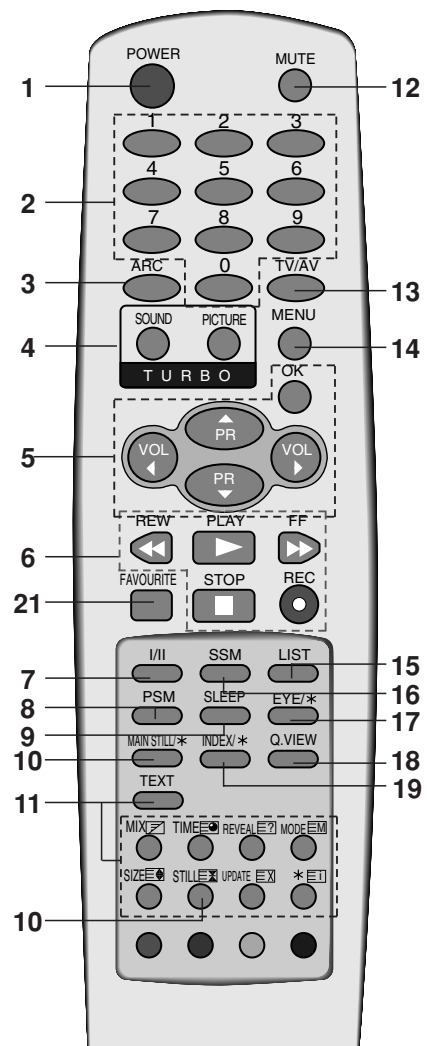
- 1. POWER**
switches the set on from standby or off to standby.
- 2. NUMBER BUTTONS**
switches the set on from standby or directly select a number.
- 3. ARC (Aspect Ratio Control)**
changes the picture format.
- 4. TURBO PICTURE BUTTON / SOUND BUTTON (option)**
selects Turbo picture/sound.
- 5. ▲ / ▼ (Programme Up/Down)**
selects a programme or a menu item.
switches the set on from standby.
◀ / ▶ (Volume Up/Down)
adjusts the volume.
OK
accepts your selection or displays the current mode.
- 6. VCR BUTTONS (option)**
control a LG video cassette recorder.
- 7. I/II**
selects the language during dual language broadcast.
selects the sound output (option).
- 8. PSM (Picture Status Memory)**
recalls your preferred picture setting.
- 9. SLEEP**
sets the sleep timer.
- 10. MAIN STILL/* (or STILL)**
freezes motion of the picture.
- 11. TELETEXT BUTTONS (option)**
These buttons are used for teletext.
For further details, see the 'Teletext' section.
- 12. MUTE**
switches the sound on or off.
- 13. TV/AV**
selects TV or AV mode.
switches the set on from standby.

- 14. MENU**
selects a menu.
- 15. LIST**
displays the programme table.
- 16. SSM (Sound Status Memory)**
recalls your preferred sound setting.
- 17. EYE/* (option)**
switches the eye function on or off.
- 18. Q.VIEW**
returns to the previously viewed programme.
- 19. INDEX/* (option)**
switches FRONT DISPLAY on or off.
- 20. 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.

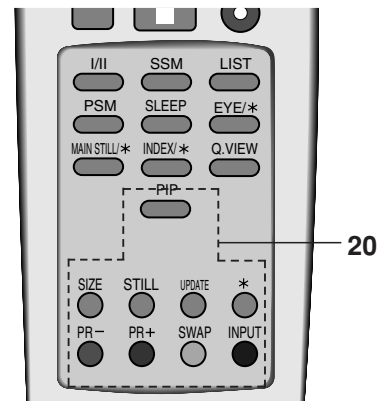
- 21. FAVOURITE**
selects a favourite programme.

*** : No function**

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

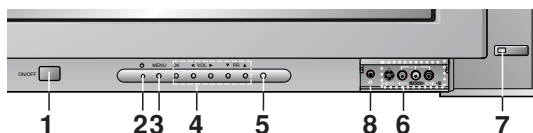


(With TELETEXT / Without PIP)



(Without TELETEXT / With PIP)

Front 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 (AV IN3)**
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 **AV IN3**.
7. **EYE (option)**
adjusts picture according to the surrounding conditions.
8. **HEADPHONE SOCKET (option)**
Connect the headphone plug to this socket.

SPECIFICATIONS

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

■ Scope

This specification can be applied to all the television related to MC-05HB Chassis.

■ Test and Inspection Method

- 1) performance : Follow the Standard of LG TV test
- 2) Standards of Etc. requirement
 - Safety: IEC60065
 - EMC: EN55020,EN55013

■ Test Condition

- 1) Temperature : $25 \pm 5^{\circ}\text{C}$ (CST : $40 \pm 5^{\circ}\text{C}$)
- 2) Relative Humidity : $65 \pm 10\%$
- 3) Power voltage : 110-220V~, 50/60Hz
- 4) Follow each drawing or spec for spec and performance of parts, based upon P/N of B.O.M
- 5) Warm up TV set for more than 20min. before the measurement.

■ General Specifications

No.	Item	Specification	Remark
1	Receiving system	PAL, SECAM BG	
		PAL/SECAM DK	
		PAL I	
		SECAM-L/L'	EU
		NTSC M	Non EU
2	AV receiving system	NTSC M/PB	
		PAL BG, DK, I	
		SECAM BG, DK	
3	Component receiving system	480i/ 480P	
		576i/ 576P	
		1080i 50Hz/60Hz	
		720P 50Hz/60Hz	
4	Available Channel	1) VHF : E2 ~ E12 UHF : E21 ~ E69 CATV : S1 ~ S20 HYPER : S21 ~ S41	
		2) L/L'	EU
		3) NTSC-M VHF : 2 ~ 13CH UHF : 14 ~ 69CH CATV : 01 ~ 125CH	Non EU 200 PR. (W/O TXT)
5	Input Voltage	110-240V~, 50/60Hz(Wide Range) 220V~ or 230V~, 50/60Hz(Narrow)	EU : Narrow Non EU : Narrow, Wide
6	Market	EU, Non EU	
7	Screen Size	4:3 Flat 29", Wide Flat 32"	
8	Tuning System	FVS 100/200 Program	Option
9	Operating Environment	1) Temp : 0 ~ 40 deg 2) Humidity: below 85%	
10	Storage Environment	1) Temp : -20 ~ 60 deg 2) Humidity: below 85%	

ADJUSTMENT INSTRUCTIONS

1. Application Object

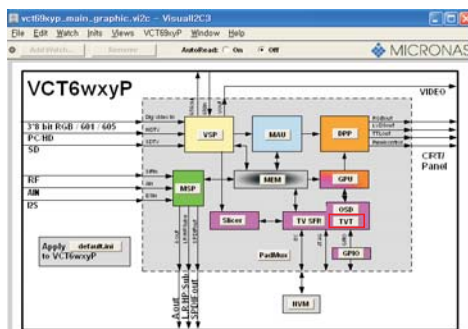
These instructions are applied to all of the color TV, MC-05HB chassis.

2. Notes

- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
- (2) Adjustment must be done in the correct order. But the adjustment can be changed by consideration of mass production.
- (3) The adjustment must be performed in the circumstance of $25 \pm 5^\circ\text{C}$ of temperature and $65 \pm 10\%$ of relative humidity if there is no specific designation.
- (4) The input AC voltage of the receiver must keep rating voltage in adjusting.
- (5) The receiver must be operated for about 15 minutes prior to the adjustment.

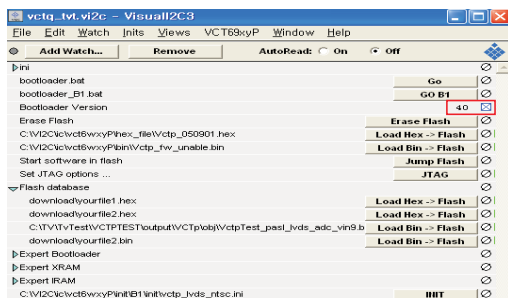
3. Soft ware download

- 1) Connect JIG to P004 of Digital Board.
- 2) Connect SCL line of JIG Switch to Ground.
- 3) Turn on JIG and supply 6V to Digital Board. Terminate the SCL of clause 2) by using Switch.
- 4) After termination of SCL line, wait for 3 second.
- 5) Execute 'vct69xyp_main_graphic.vi2c' program.

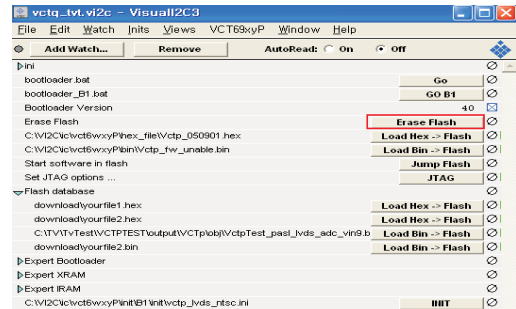


6) Click the TVT button.

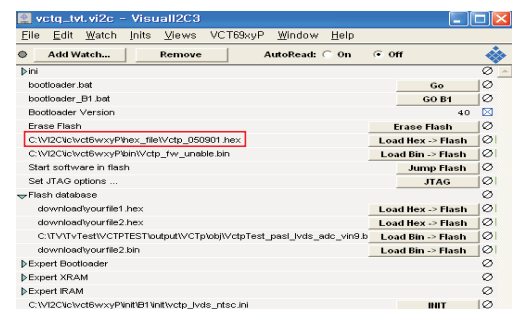
7) Double click right check box of 'Boot loader Version' line, and then check to change to 40 from 0.



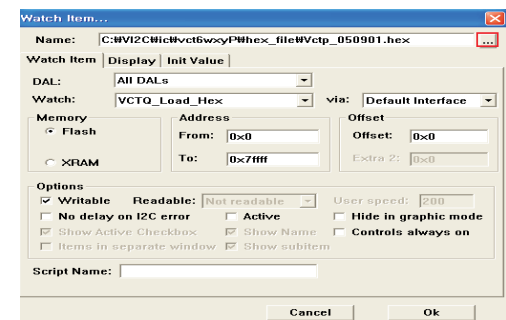
8) After checking '40', Click the 'Erase Flash' button.



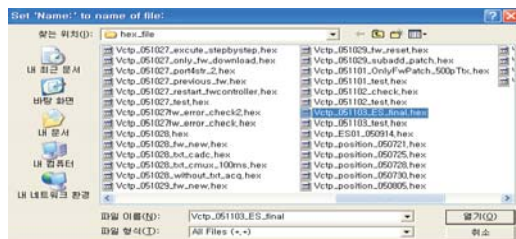
9) Double click 'Edit Window'.



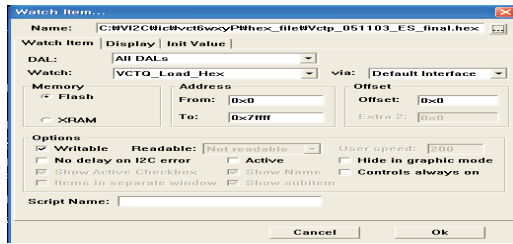
10) Click the file select button of Name to select file.



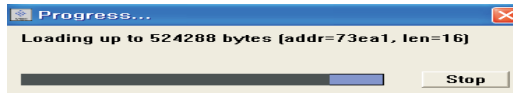
11) Select necessary file.



12) Download the file with 'OK' button.



13) Check download process(about 30~40 sec.).



4. DVCO Adjustment

- 1) This adjustment applies to the frame assembly unit adjustment.
- 2) This adjustment is to adjust the crystal oscillator frequency of VCTP IC and is done after receiving the EU05CH(digital pattern) signal.
- 3) If you press the ADJ button to enter the SCREEN mode, DVCO adjustment is automatically done.
(T/X may not operate properly during DVCO adjustment.)

5. Temporary screen voltage adjustment

- 1) This adjustment applies to the frame assembly unit adjustment.
- 2) Enter Screen Mode with ADJ button. Turn the screen volume to disappear horizontal line.

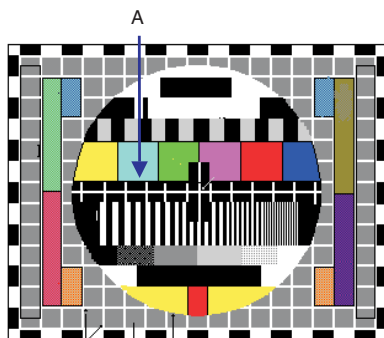
6. Focus Adjustment

6-1. Preliminary steps

Receive the PAL-B/G 07ch(Cross hatch pattern, <Fig 1>) 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 A.
- 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.

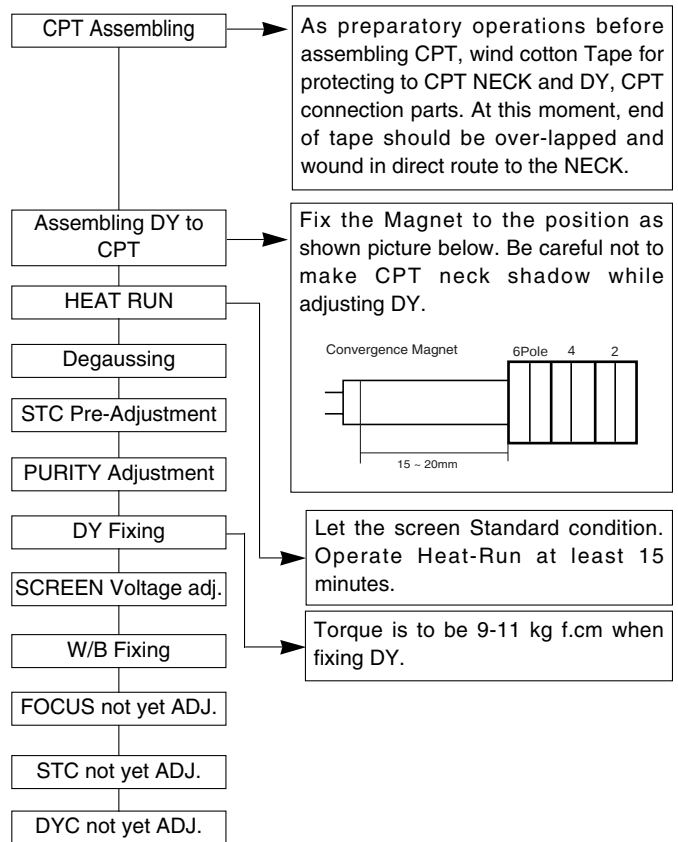


<Fig. 1>

7. Purity & Convergence adjustment

This 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) It makes CPT or CABINET enough to demagnetization.
- (2) Receive the signal of red raster.
- (3) Loosen fixed screw of DY and closely to CPT funnel part.
- (4) Check the center of screen that PURITY MAGNET of CPT by crossing adjustment. At this time, 4 & 6 pole magnet is located to magnet of nothing.
- (5) Move the DY to make equal red on whole screen and it does not to make the DY by fixed screw after check a simple color of Red/Green/Blue and white raster whether or not it is a pollution of color.
(At this time, take care raster of screen and DY must fixing in the condition which maintains a horizontality.)
- (6) Check the TV set by move direction.

7-2. Convergence adjustment

These adjustments can the best condition of focus after finished purity adjustment.

- (1) Receive the signal of cross hatch that BACK RASTER is black.
- (2) Adjust brightness and luminosity till dot appear 9 ~12.
- (3) Open angle of the two tab of 4 pole MAGNET by isogonic angle and accord with vertical line of red and blue color in the middle of screen.
- (4) Maintain as angle of (3) and rotate the tab to accord with vertical line of Red and Blue color in the middle of screen.

- (5) Open angle of the two tab of 6 pole magnet by isogonic angle and accord with vertical line of Red/Blue and Green.
- (6) Maintain as angle of (5) and rotate the tab to accord with horizontal line. In case of twisted horizontal line, repeat adjustment of (3) ~ (5) remembering the movement of Red/Green/Blue color.
- (7) Move the DY to best condition of convergence and attach the CPT to a rubber-chock for fixing DY.

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) Enter to 'Screen Mode' by pressing ADJ button on remote control and 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 control 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 ADJ button to enter the adjustment mode, search for RGB W-B mode with CH▲, ▼, and select with VOL button.
- 3) Select the adjustment item with CH ▲, ▼ button.
- 4) Adjust the data with Press VOL ◀, ▶ button.
- 5) Adjustment procedure
 - a. Adjust the "CONTRAST" and "BRIGHT" so the bright level to be 35 Ft_L.
 - b. Adjust "Y" value of High Light with RD(R-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 RC(R-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 "clause f"

- f. Check the adjusted color coordinates with white balance meter.

Color Temperature	X coordinate	Y coordinate	
13500K	266± 8	273 ± 8	Non EU
9000K	288 ± 8	295 ± 8	EU

	MENU	29"	Remark
RGB W-B	RD(0~1FF)	0180	For High Light adjustment
	GD(0~1FF)	0190	
	BD(0~1FF)	01A0	
	RC(0~1FF)	00D0	For Low Light adjustment
	GC(0~1FF)	00FF	
	BC(0~1FF)	00E0	

IIC DATA SETTING

Model IIC

OFFSET DATA

IIC WRITE

SUB ADD

START BIT

STOP BIT

EEPROM

SUB ADD

(B AMP)

1

8

7

2

0

39

(B CUT)

2

C

7

2

0

3D

(G AMP)

0

7

7

2

0

38

(G CUT)

3

B

7

2

0

3C

SUB BRIGHT

DATA SAVE

ADDR

DATA

SLAVE ADDRESS(WRITE)

IC

86

EEPROM

A0

SUB BRIGHT CONTOR DATA

CA 100

4

PATTEN

40

SPEED

2

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 ADJ 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.

- 7) MC05HA Chassis is based 3Mode adjustment
- 8) sequency : Pal 100Hz -> 1080i/50Hz -> NTSC

* MC05HB chassis is based output of 1080i/50Hz.

* For adjusting 1080i/50Hz output after adjusting 100Hz, press the Mode button of remote controller after entering to DEFLECTION of SVC Mode.

10-2. Adjustment

VL (Vertical Linearity)

Adjust the top & bottom size of inner circle to be equal.

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)

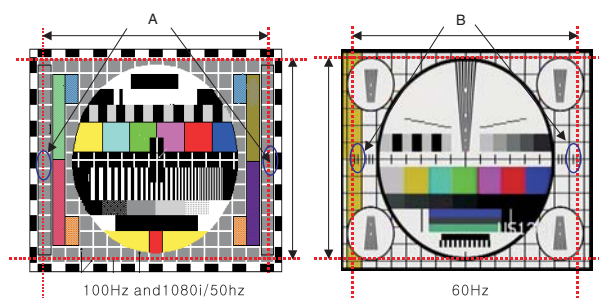
Adjust so that the horizontal center line of a digital circle pattern is in accord with geometric horizontal center of the CPT.

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.



<fig. 2>

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

BOW

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

ANG

In angle adjustment, adjust until inclination of center vertical line should be vertical precisely.

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.

CRNU(Upper Corner Correction)

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

CRNL(Lower Corner Correction)

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

CRNU6

After finished CRNU adjustment, adjust vertical line of left-top, right-top of screen to the best straight line.

CRNL6

After finished CRNL adjustment, adjust vertical line of left-top, right-top of screen to the best straight line.

* After adjusting as above, finish the Pin Cushion adjustment by re-adjustment of EW, EP, ANGLE, BOW, CRNU, CRNL, CRNU6, CRNL6.

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

11. Deflection setting initial data

ITEM	Range	RF PAL		RF NTSC
		100Hz	1080i/50	1080i/50
VL	0 ~ FFFF	FFFC	FFF3	FFDD
VS	0 ~ FFFF	FFF8	0000	0003
VA	0 ~ FFFF	001E	0014	FFF6
SC	0 ~ FFFF	009E	009E	007C
HS	0 ~ FFFF	005D	005E	005C
EW	0 ~ FFFF	0044	0041	006C
ET	0 ~ FFFF	FFFB	FFDE	FFC0
EP	0 ~ FFFF	FFE0	FEE2	FEB2
CRNU	0 ~ FFFF	0004	0004	FFF6
CRNL	0 ~ FFFF	000B	0025	002A
BOW	0 ~ FFFF	000B	0007	0007
ANGLE	0 ~ FFFF	000A	0009	0009
CRNU6	0 ~ FFFF	0056	003A	0056
CRNL6	0 ~ FFFF	003F	0030	0042

* Check adjustment condition at 1080i/50Hz, NTSC60Hz after finishing adjustment in PAL100Hz, adjust deflection adjustment at each Mode again.

* Sequence

: PAL 100Hz(RF) -> NTSC 60Hz(RF) ->
1080i/50Hz(COMPONENT)

12. How to inspect condition of a transmission and reception in wireless sound model(option)

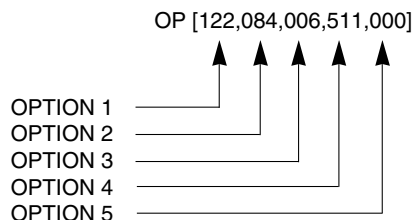
- Wireless sound model's efficiency inspections is executed to a finished in a final inspection phase.
- Wireless sound is a function which receives voice-signal by an exclusive remote control and Earphone, transmits a FM through transmitter of inner part in MICOM BOARD to TV sound(MONITOR OUTPUT)

- 1) Execute in channel generating voice-signal
- 2) Select a transmitted frequency in MENU OSD.
- 3) A received frequency in an exclusive remote control or received FM Radio is tuned by 87.7MHz 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 setting

13-2. Preliminary steps

- 1) This option adjustment decides function in accordance with model. Press the SVC TX adjustment button(CH up/down button) at SVC mode, then adjust the option at OPTION1, 2, 3, 4, 5 mode.
- 2) Mark the option adjustment data like [111,111,111,111,111] in BOM.



* Mark of BOM

LEVEL	PART NO.	SPECIFICATION	DESCRIPTION
1.	31419MNxxxA	MAIN CHASSIS ASSY	OPT[122,084,006,511,000]

In this model, the OPTION1 data is 112, OPTION2 data is 084, the OPTION3 data is 006, the OPTION 4 data is 511, OPTION 5 data is 000.

13-2. Adjustment Method

- 1) Input OPTION value with number button on remote control at each OPTION adjustment mode.
- 2) At each OPTION Mode, Select adjustment item by the CH ▲, ▼ button and then set up each OPTION by the ◀, ▶ button.

<Table 1> OPTION 1

Option	Code	Function	Remark
1	TEXT (2bit, Caption, 200PR)	3: WITH CAPTION(CANADA) 2: WITH CAPTION 1: W/TXT & 200 PROGRAM 0: W/O TXT & 200 PROGRAM	3: CANADA 2: OTHER NTSC AREA 1: Other country 0: china only
2	VCTP	0: BASIC 1: ECO	0: VCTP Basic Version 1: VCTP ECO Version * Fixed by MICOM VERSION
3	TOP	1: TOP + FLOF TEXT 0: FLOF TEXT	1: Dutch/ Swiss/ Austria/ Sweden/ Norway/Finland/ Poland/ Italy/ Spain/ Benelux3 0: Others
4	ACMS	1: WITH CHANNEL NAME DISPLAY 0: WITHOUT CHANNEL NAME DISPLAY	1: ALL COUNTRIES EXCEPT AUSTRALIA 0: AUSTRALIA ONLY
5	CH+AU	1: CHINA+AUSTRALIA CHANNEL TABLE 0: OTHER COUNTRIES CHANNEL TABLE	1: CHINA + AUSTRALIA 0: OTHERS
6	BOOST	1: WITH BOOSTER 0: WITHOUT BOOSTER	1: ALL 0:
7	PIP	1: WITH PIP 0: WITHOUT PIP	1: WITH PIP MODEL 0: WITHOUT PIP MODEL

<Table 2> OPTION 2

Option	Code	Function	Remark
1	SYS	0: BG/I/DK/L 1: BG/I/DK/M 2: 3-SYSTEM 3: RESERVED	0: EU MODEL 1: Non-EU MODEL 2: NO USE 3: NO USE
2	FMTRM	1: WIDE BAND XWAVE 0: NO XWAVE	1: WITH XWAVE MODEL 0: WITHOUT XWAVE MODEL
3	A2 ST	1: NICAM CHECK & FM STEREO/DUAL - operate 0: NICAM CHECK & FM STEREO/DUAL - not operate	1: OTHERS 0: TUNISIA
4	HDEV	1: HIGH DEVIATION MODULATION 0: RF NORMAL SOUND MODULATION	1: China/ Saudi/ India/ Indonesia/ Lebanon/ Pakistan/ Iran 0: OTHERS
5	VOL	1: RUSHED SOUND CURVE(ASIA, MIDDLE EAST) 0: STANDARD SOUND CURVE(EU, RUSSIA)	1: Non-EU 0: EU
6	WOOF	1: WITH WOOFER SPEAKER 0: WITHOUT WOOFER SPEAKER	TOOL OPTION
7	HPHON	1: WITH HEAD PHONE 0: WITHOUT HEAD PHONE	1: NO USE(READY) 0: ALL

<Table 3> OPTION 3

Option	Code	Function	Remark
1	SCART	3: READY 2: 2 SCART(SC ID enable + SC_RGB(soft mix)+sav2) 1: 1 SCART(SC ID enable + SC_RGB(soft mix)) 0: WITHOUT SCART JACK(ALL PHONE JACK)	3: no use 2: 2 scart 1: 1 scart + 1 phone 0: ALL PHONE JACK
2	WIDE	1: 16:9 TV 0: 4:3 TV	1: Wide Model 0: 4:3 model
3	NCOMP (number of component)	1: COMPONENT 1/2 0: COMPONENT 1	1: no use 0: ALL
4	3DCOM	1: WITH 3D-COMB FILTER 0: WITHOUT 3D-COMB FILTER(WITH 4H-FILTER)	1: Basic VCTP(PIP model) 0: Eco VCTP(W/O PIP)
5	BLUBK	1: WITH BLUE BACK 0: WITHOUT BLUE BACK	1: ALL 0: no use
6	XD	1: WITH XD 0: WITHOUT XD	1: With XD ON/OFF Function 0:
7	TILT-NOTE	1: can't control TILT by REMOCON 0: can control TILT by REMOCON	1: EU model 0: Non-EU model

<Table 4> OPTION 4

No.	OPTION	Specification	REMARK
1	LANG	0: ENG ONLY 1: EU 5EA 2: EU ETC 3: GREECE 4: PARSI 5: ARAB URDU 6: E+HINDI 7: E+I+M+V 8: E+THAI 9: E+CHINA	English Only English/ German/ French/ Italian/ Spanish Polish/ Hungarian/ Czech/ Russian/ English/ Dutch/ Swedish/ Norwegian/ Danish/ Finnish/ Portuguese/ Rumanian English/ Greek English/ PARSI(Iran) English/ French/ Arabic(Egypt, Saudi)/ URDU(Pakistan) English+HINDI English+Indonesian+Malaysian/ Vietnamese English+THAI English+Chinese
2	TXT LAN	0: WEST EU 1: EAST EU1 2: TURKEY EU 3: EAST EU2 4: CYRILLIC1 5: CYRILLIC2 6: CYRILLIC3 7: TURK GRE1 8: TURK GRE2 9: TURK GRE3 10: ARAB FRA 11: ARAB ENG 12: ARAB HEB1 13: ARAB HEB2 14: PARS ENG 15: PARS FRA 16: PARS ALL	English/ French/ Swedish/ Czech/ German/ Spanish/ Italian Polish/ French/ Swedish/ Czech/ German/ Slovene/ Italian/ Rumanian English/ French/ Swedish/ Turkish/ German/ Spanish/ Italian English/ Hungarian/ Serbian/ Czech/ German/ Spain/ Italy/ Rumanian Polish/ Russian/ Estonian/ Lettish Polish/ Russian/ Swedish/ Czech/ Estonian/ Lettish English/ Russian/ Estonian/ Czech/ Ukrainian/ Lettish English/ French/ Swedish/ Turkish/ Portuguese/ German/ Spanish/ Italian/ Greek English/ Turkish/ German/ Greek English/ French/ Swedish/ Turkish / German/ Spanish/ Italian/ Greek French/ English/ Turkish/ Arabic English/ French/ Turkish/ Arabic Hebrew/ Arabic English/ French/ Arabic/ Hebrew English/ French/ Turkish/ Parsi French/ Turkish/ Parsi English/ French/ Parsi * Finland => suomi
3	MAX VOL	100	

<Table 5> OPTION5

Option	Code	Function	Remark
1	C/PTV	1: W/ CVG(PTV) 0: W/O CVG(CTV)	1: no use 0: ALL * Fixed by MICOM version
2	AUTOCVG	1: WITH AUTO CONVERGENCE 0: WITH 9 POINT CONVERGENCE	1: no use 0: ALL
3	32 INCH	1: 32 INCH 0: OTHERS	1: no use 0: ALL
4	HOTEL	1: WITH HOTEL FUNCTION 0: WITHOUT HOTEL FUNCTION	1: Limit MAX VOL Level, CH EDIT 0:
5	EYE	1: WITH DIGITAL EYE 0: WITHOUT DIGITAL EYE	1: no use(READY) 0: ALL
6	TBIDX	1: WITH TURBO THEATER INDEX 0: WITHOUT TURBO THEATER INDEX	1: FB90/FC40 index option 0: Other Tool all
7	DGIDX	1: WITH DIGITAL INDEX 0: WITHOUT DIGITAL INDEX	1: WITH INDEX MODEL 0: W/O INDEX MODEL
8	MOVE SPK	1: WITH MOVE SPEAKER 0: WITHOUT MOVE SPEAKER	1: 29FB90 0: Other tool

14. SERVICE MODE DATA

<Table 6> Basic data of DDP3316C

ITEM	PAL 100Hz	NTSC	1080i/50Hz
EHTTH	00FA	00FA	00FA
EHT-S	001F	001F	001F
EHTV1	FFD8	FFD8	FFD8
EHTV2	FFE2	FFF2	FFE2
EHTH1	FFD1	FFD1	FFD1
EHTH2	FFE0	FFE0	FFE0
EHT-F	0003	0003	0003
EHTP-1	FFE0	FFE0	FFF0
EHTP-2	0003	0003	0003

<Table 7> Basic data of DDP3316C - 2

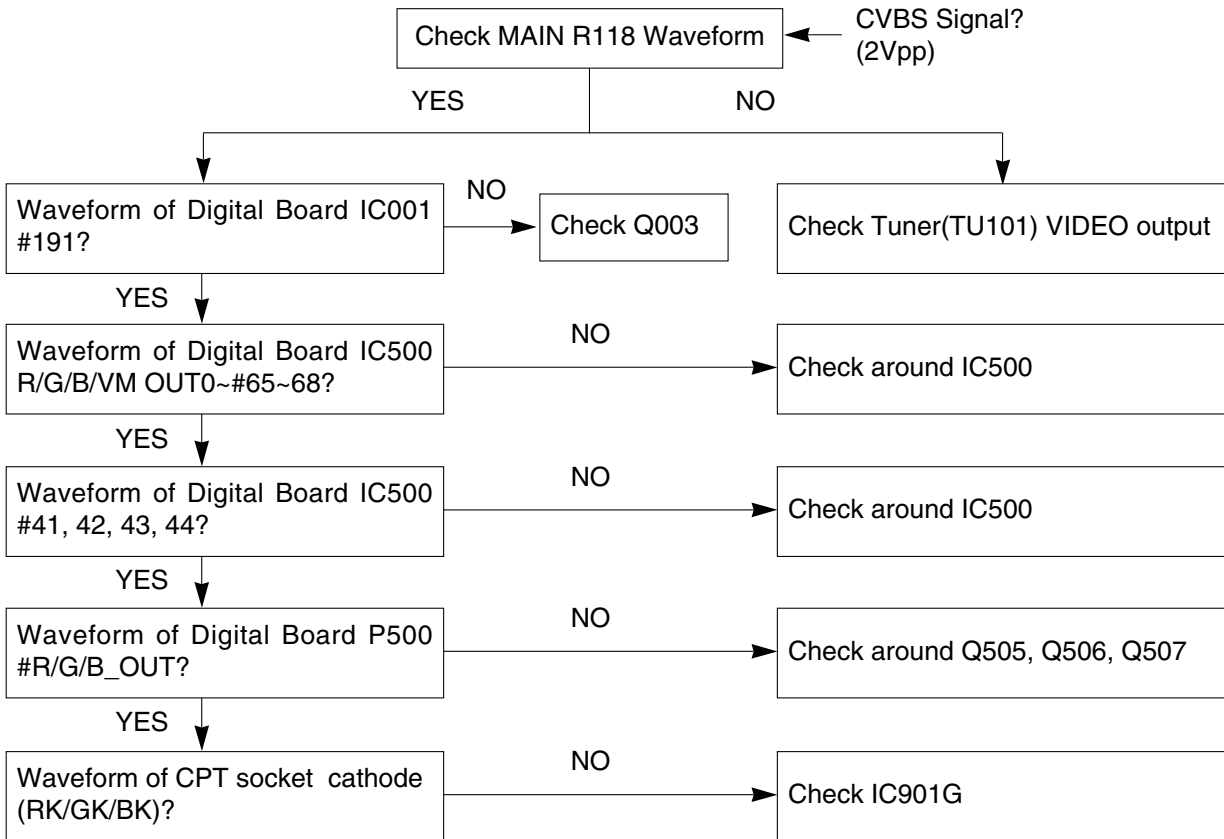
ITEM	PAL 100Hz	NTSC	1080i/50Hz
IBRM	0190	0190	0190
WDRM	00C8	00C8	00C8
GGAIN	0000	0000	0000
WGAIN	0000	0000	0000
MWDR	01F8	01F0	01F0
BCLTH	0270	0270	0270
BCLTC	0190	0190	0190
BCLGA	0090	0090	0090
BCTC	00F0	00F0	00F0
TML	0000	0000	0000
VBST	FFFC	FFF7	FFF7
VBSO	0019	0019	0019
HBST	047F	047E	0425
HBSO	0066	0061	005D

<Table 8> W/B DATA

MENU	ITEM	DATA
RGB W-B	R-DRIVE	0180
	G-DRIVE	0190
	B-DRIVE	01A0
	R-CUTOFF	00D0
	G-CUTOFF	00FF
	B-CUTOFF	00E0
	TNRCT C/A	0005
	AGC-LEV	00B0
	BRIGH-LEV	0

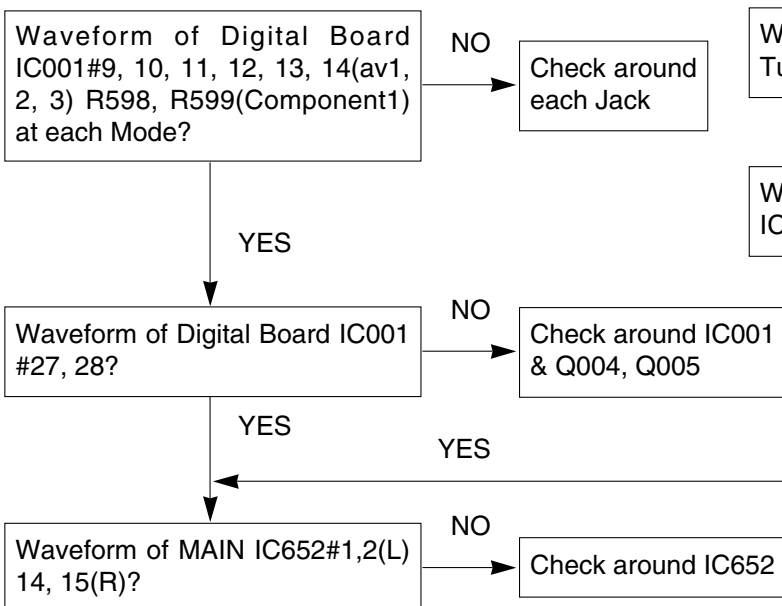
TROUBLE SHOOTING

1. No Picture (sound ok)

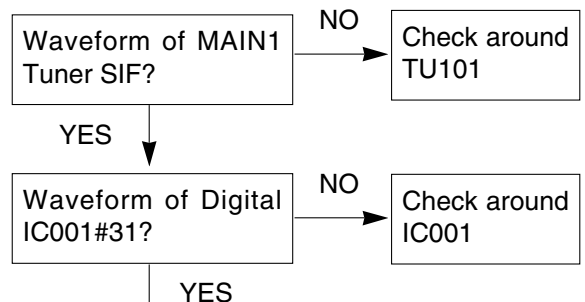


2. No Sound (picture ok)

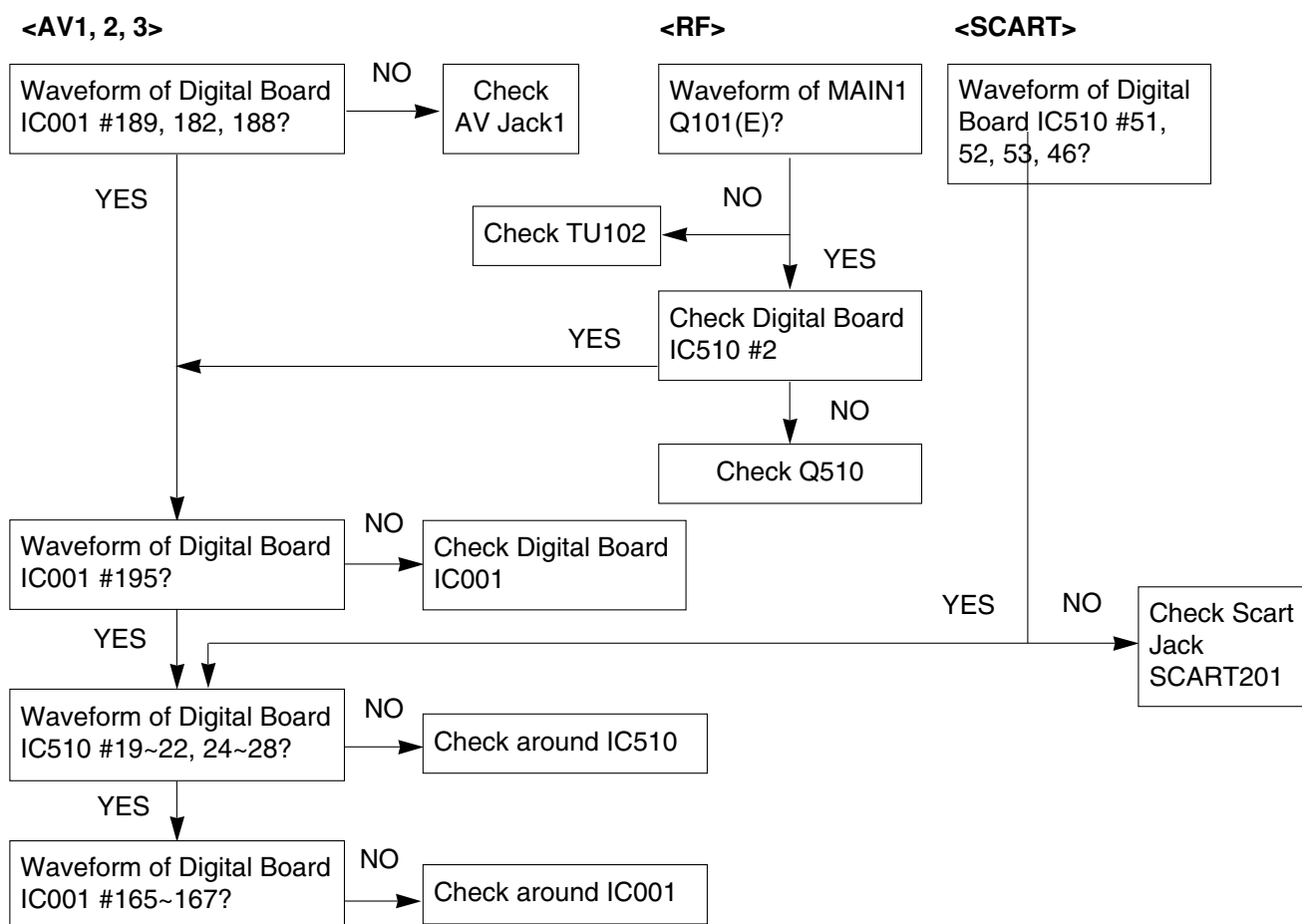
<AV1, 2, 3, Component 1 INPUT>



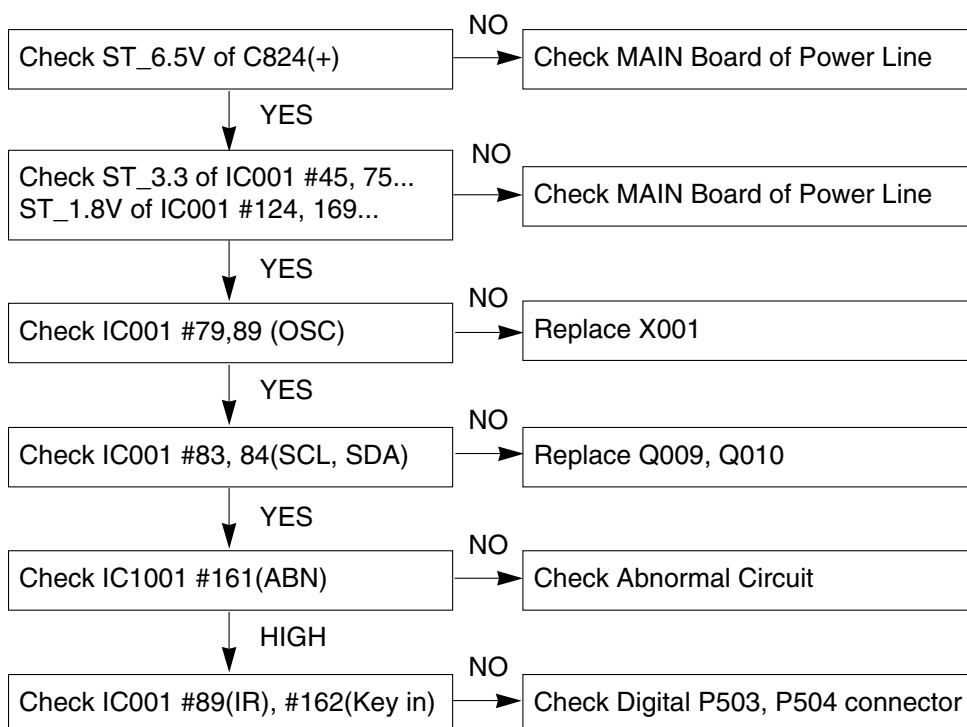
<RF>



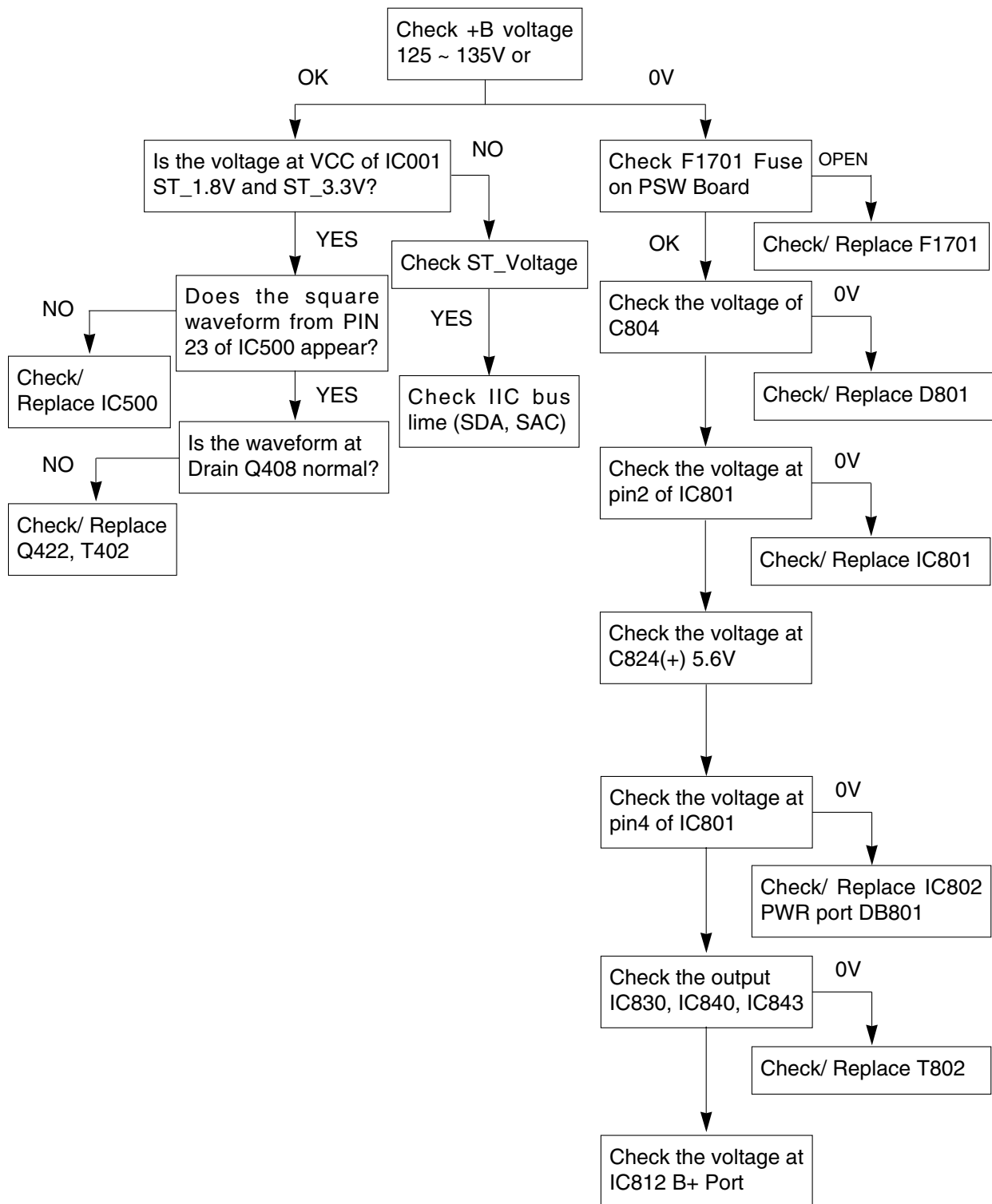
3. No PIP



4. No power

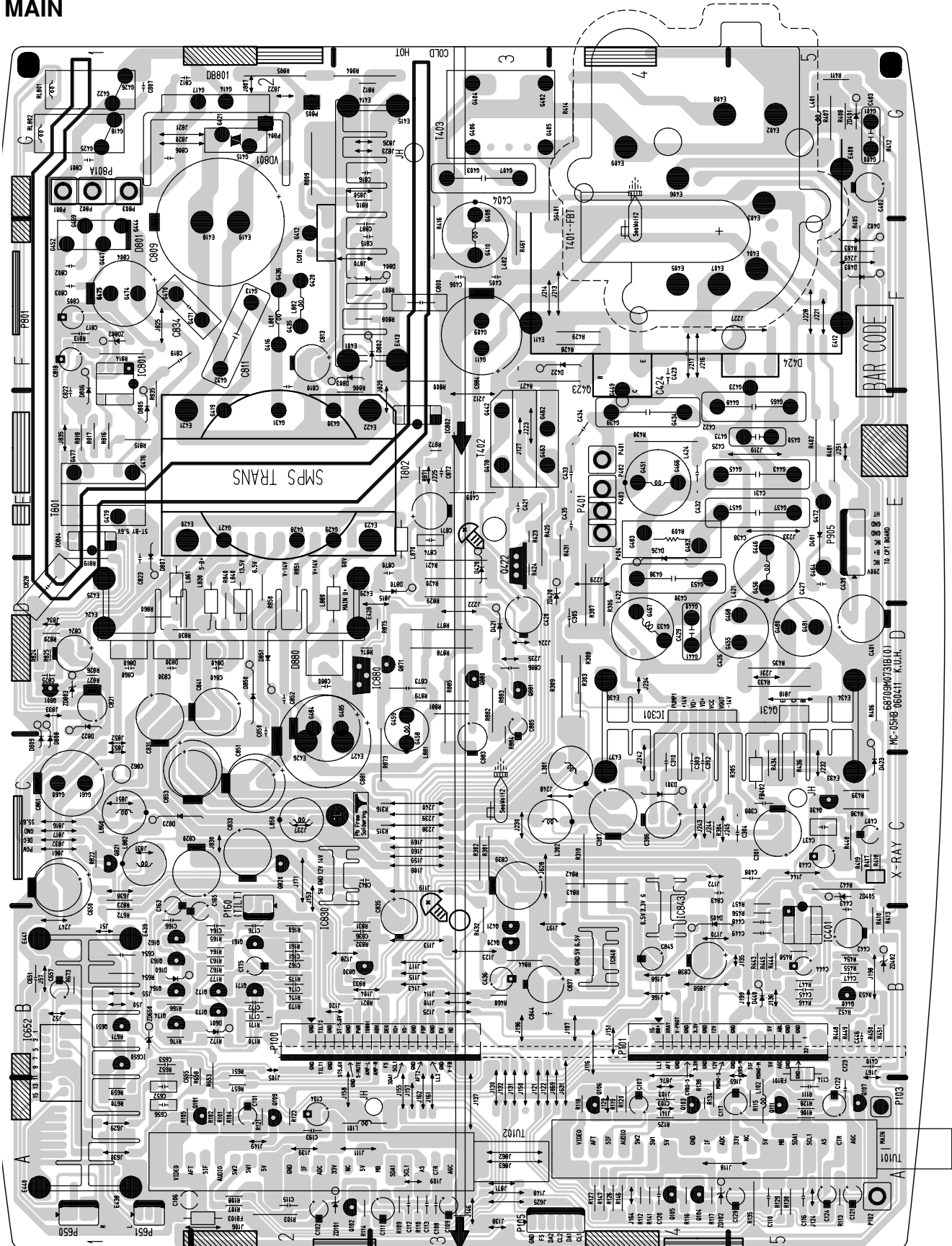


5. No raster

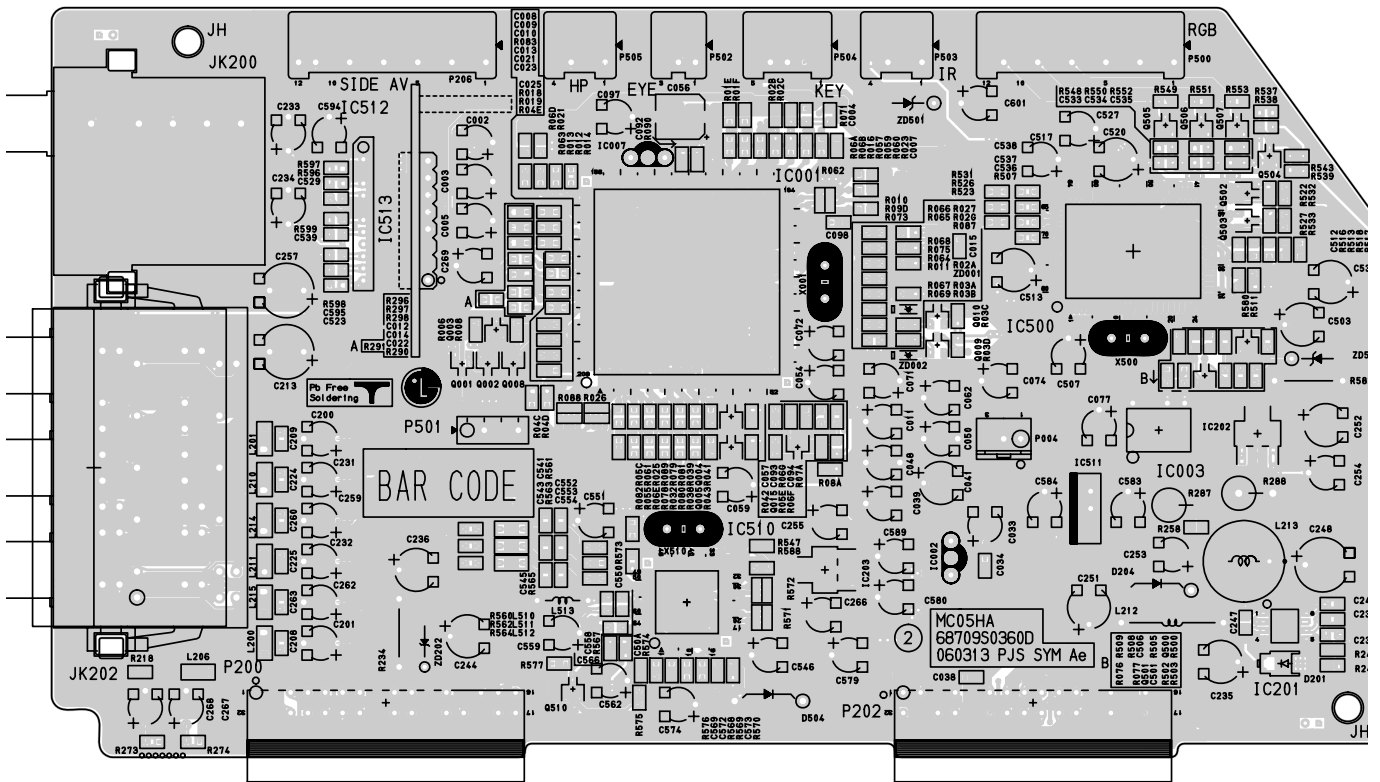


PRINTED CIRCUIT BOARD

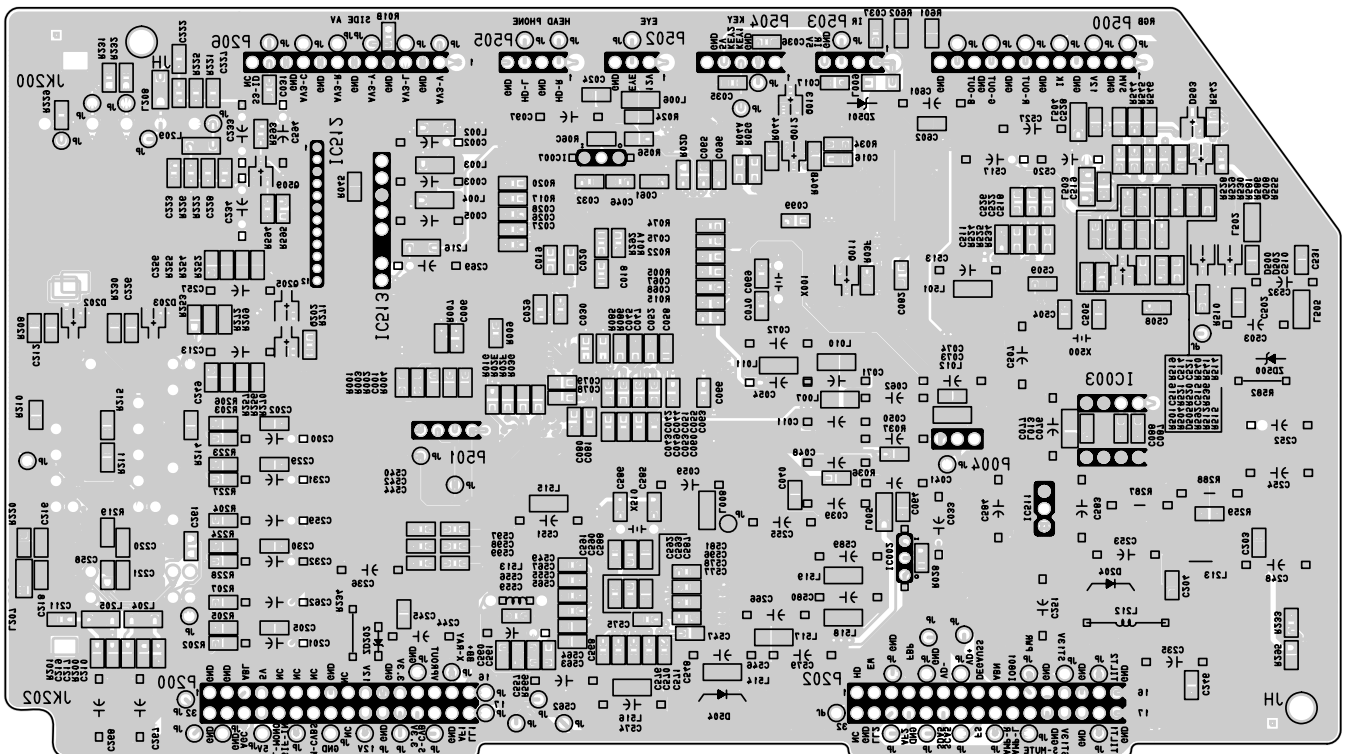
MAIN



DIGITAL(TOP)



DIGITAL(BOTTOM)

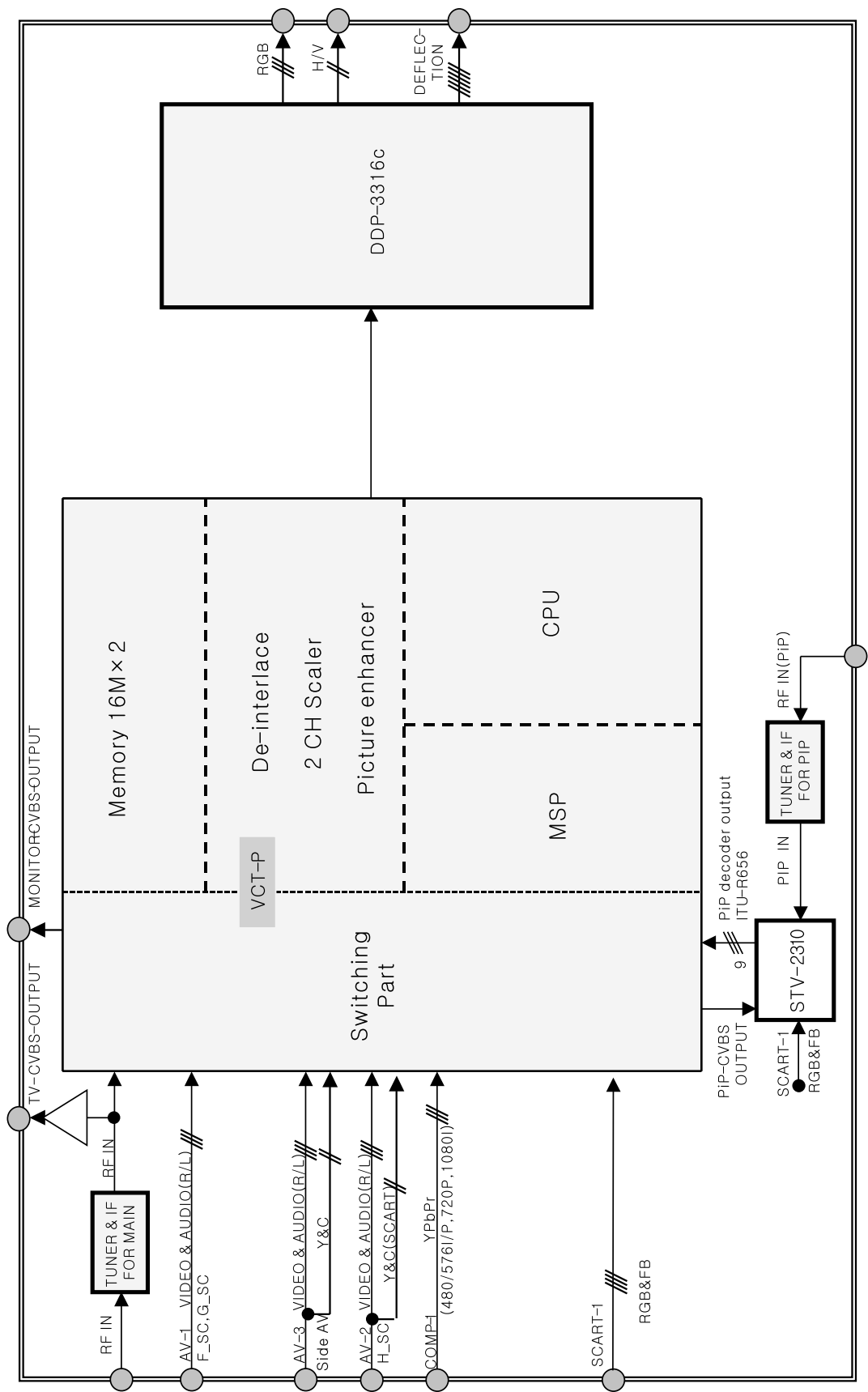


[illegible]

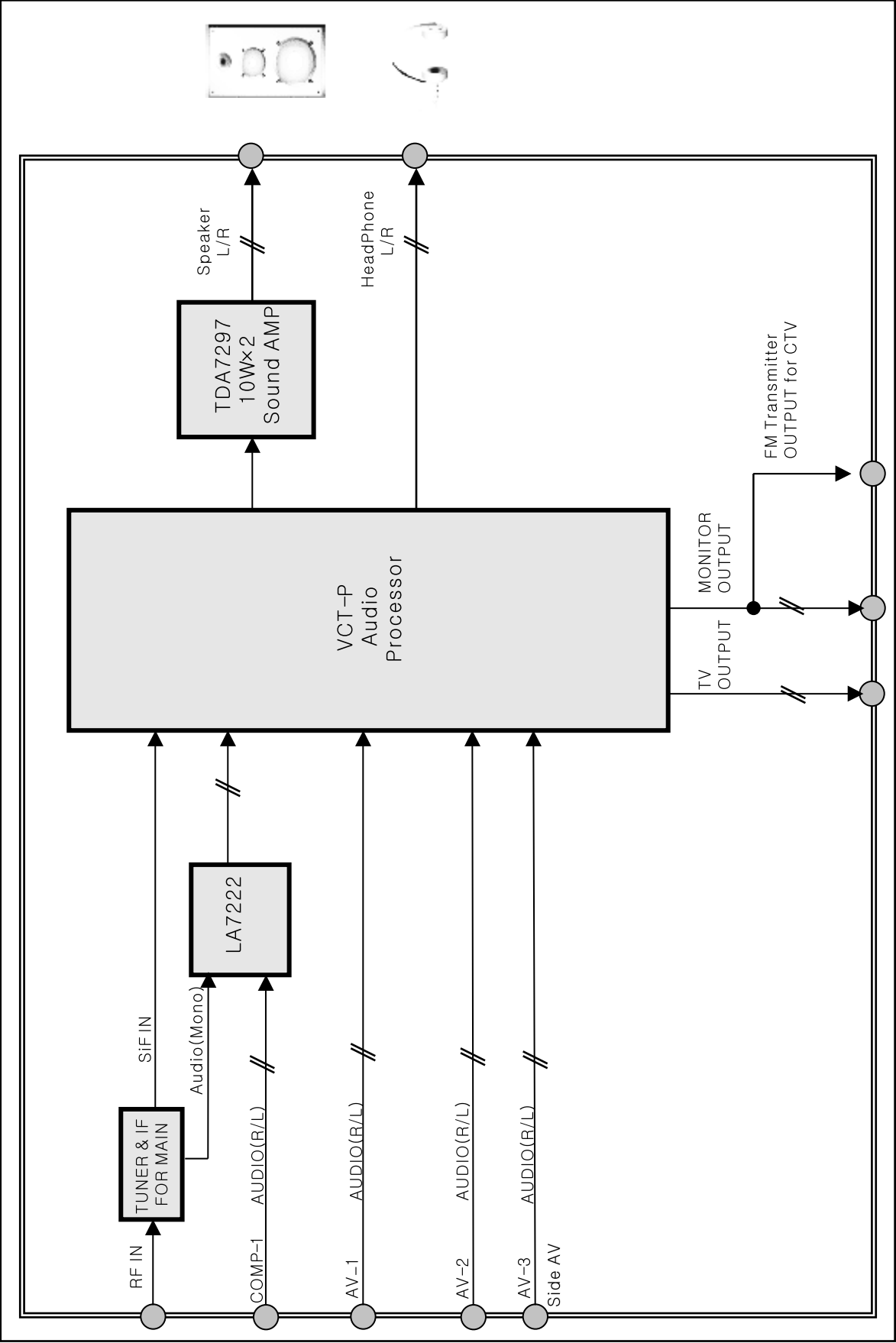
1. MAIN



2. VCT-P(Video)

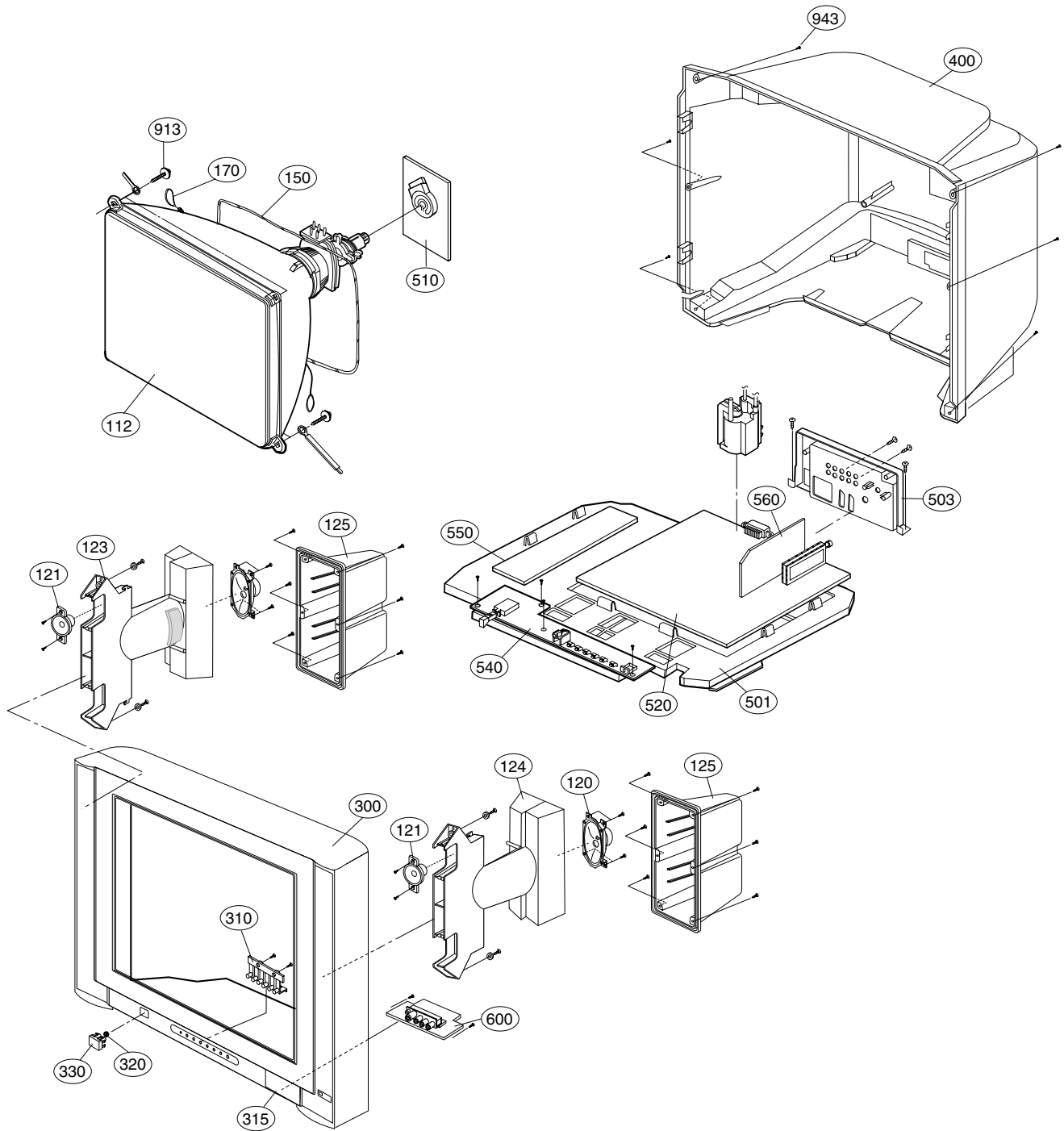


3. VCT-P(Audio)



MEMO

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by mark  is critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTIONS
 112	6335V29034B	CPT,ITC A68QCU970XV70LGF L(+0.50G) FLAT 0.5_0.0G 4/3 16KHZ 6150Z-1343B
120	120-D38C	Speaker,MID,Range YDT813-A - 15W 8OHM 87DB 110HZ 128X77X57mm LUG
121	6400VG0002A	Speaker,Tweeter F20T-6172-1 FERRITE 10W 8OHM 88DB 1.5KHZ 74X52X28.5mm LUG
123	4810V00165D	Bracket, MOLD PP DOME(L) PP KCT29Q20
124	4810V00165C	Bracket, MOLD PP DOME(R) PP KCT29Q20
125	3550V00068B	Cover, MOLD PP DOME PP KCT29Q20 C/SKD
 150	6140VC2006D	Coil,Degaussing RT-29FB55V 15OHM AL 55T 0.65mm 0.25mm SQUARE/CIRCLE
 170	170-844K	Drawing,Assembly CPT EARTH UL1015 AWG22-TBC 0.12X4X16MM 29INCH ALL NORMAL
 300	3091V00316E	Cover Assembly, 29FA3ANX MC05HB 29" SY-S&W
310	5020V00480A	Button, MOLD ABS CONTROL CN-29XF2 ABS, HF-380 6KEY
315	3580V00058B	Door, MOLD ABS FRONT A/V RE-29FA31P HIPS 60HR NON
320	320-062E	Spring, CUTTING STSC304 KNOB
330	5020V00479A	Button, MOLD ABS POWER 21Q9 ABS 1KEY 7227V000076
 400	3809V00523A	Cover Assembly, RT-29FA34RB 036A(407AF)-SKD
501	4810V00379D	Bracket, MOLD HIPS MAIN RE-29FA31P MC017A HIPS 407AF
503	4811V00024Z	Bracket Assembly, REAR AV 29FC9RMB-TF MC05HB 2SCART
510	EBR30764301	PCB Assembly, SUB M.I MC05HB MC05HB 29" FLAT CPT BOARD SY-S&W CKD"
520	EBR30779601	PCB Assembly, MAIN1 M.I MC05HB 29FA3RNX-ZF QLSLLCK SY-S&W
540	EBR30780801	PCB Assembly, POWER M.I MC05HB 29FA3RNX-ZF QLSLLCK POW+CTR+LED
550	EBR30702106	PCB Assembly, SUB M.I MC05HB DEG W/ HARMONICS 29FX5/FX6/FC1 SET/SKD
560	EBR30779901	PCB Assembly, SUB M.I MC05HB 29FA3RNX-ZF QLSLLCK DIGITAL SY-S&W SKD
600	EBR30782101	PCB Assembly, SUB PAKING MC05HB 29FA3RNX-ZF QLSLLCK SIDE AV SY-S&W SKD
913	332-229H	Screw,Customzied HEX + - 40MM - -
943	FAB30006309	Screw,Taptite 1SZZ9PB012A TH + P 4MM 16MM MSWR10 FZB

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
HIC920	0IZZVF0018C	STK396-130 STK396-130 SANYO DIP 11PIN
IC512	0ISA722200C	LA7222-(E),LF 8TO13V - - 350MW SIP ST
IC201	0IMCRMZ001A	MP1583DN-Z,LF 4.75TO23V 21V 0W SOIC
IC900	0IPRP00031A	LM2423 100TO230V 7TO13V 125V 205V
IC003	0IAL241610B	AT24C16A-10PI-2.7 16KBIT 2KX8BIT 2.7V
IC812	0IMCRSK001A	STR-F6456R 14.4TO17.6V 9TO11V SWITCHI
IC880	0ISK135000A	SE135N(LF12) 134.4TO136V ERROR AMPLIF
IC202	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V - SOT223 R
IC830	0IMCRKE003B	KIA78R12API 13TO29V 12V 1.5W TO220IS
IC840	0IMCRKE018A	KIA78R05API 6TO12V 5V 1.5W TO220IS ST
IC843	0ISG111733B	LD1117V33C 4.75TO10V 3.3V 12W TO220
IC001	0IPRP00610C	VCT6743G-FA-B2-000 1.8TO8.0V - 20.25M
IC401	0IKE358000A	KIA358P 3TO36V_+1.5TO+-18V 7mV - - 5
IC652	0ISG729700A	TDA7297 6.5TO18V - 0.3% 10W 33W 40DB
IC801	0IPMGSK019A	STR-A6151 230V_85TO264V - - DIP ST 8P
IC301	0ISA784500A	LA7845 10.0VTO38.0V - 11W - SIP ST 7P
IC500	0IPRP00611A	DDP3316C,LF 4.75VTO5.25V,3.15VTO3.45V
IC002	0IFA752700A	KA75270Z 2.55TO2.85V - 200MW TO92 R/T
IC007	0IFA754207A	KA75420ZTA(KA7542ZTA) 0.3TO15V 4.2V
IC650	0IFA754207A	KA75420ZTA(KA7542ZTA) 0.3TO15V 4.2V
IC802	0ILI817000G	Photo,Coupler LTV-817M-VB 6V 35V
IC804	0ILI817000G	Photo,Coupler LTV-817M-VB 6V 35V
TRANSISTOR		
Q009	0TFRH80001A	RK7002T116 N-CHANNEL MOSFET 60V +-20V
Q010	0TFRH80001A	RK7002T116 N-CHANNEL MOSFET 60V +-20V
Q422	0TF200000AA	IRFIBC20G N-CHANNEL MOSFET 600V +-20V
Q001	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q002	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 10
Q003	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 10
Q004	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q005	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q008	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q011	0TR102009AJ	KRC102S NPN 30V 0V 50V 100MA 500NA 50
Q012	0TR102009AJ	KRC102S NPN 30V 0V 50V 100MA 500NA 50
Q103	0TR534309AA	2SC5343Y NPN 5V 60V 50V 150MA 100NA
Q104	0TR126609AA	KTA1266-Y(KTA1015) PNP -5V -50V -50V
Q105	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q1051	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q106	0TR126609AA	KTA1266-Y(KTA1015) PNP -5V -50V -50V
Q107	0TR534309AA	2SC5343Y NPN 5V 60V 50V 150MA 100NA
Q111	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q161	0TR534309AA	2SC5343Y NPN 5V 60V 50V 150MA 100NA
Q162	0TR126609AA	KTA1266-Y(KTA1015) PNP -5V -50V -50V
Q163	0TR126609AA	KTA1266-Y(KTA1015) PNP -5V -50V -50V
Q164	0TR534309AA	2SC5343Y NPN 5V 60V 50V 150MA 100NA
Q171	0TR534309AA	2SC5343Y NPN 5V 60V 50V 150MA 100NA
Q172	0TR126609AA	KTA1266-Y(KTA1015) PNP -5V -50V -50V
Q173	0TR126609AA	KTA1266-Y(KTA1015) PNP -5V -50V -50V
Q174	0TR534309AA	2SC5343Y NPN 5V 60V 50V 150MA 100NA

LOCA. NO	PART NO	DESCRIPTION
Q202	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q205	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q420	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q421	0TR126609AA	KTA1266-Y(KTA1015) PNP -5V -50V -50V
Q430	0TR127409AB	KTA1274-Y PNP -5V -80V -80V -0.4A -0.
Q431	0TR205900AB	KTD2059-Y NPN 5V 100V 100V 5A 100UA 1
Q500	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 10
Q501	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 10
Q502	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q503	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q504	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 10
Q505	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q506	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q507	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q508	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15
Q509	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 10
Q651	0TR534309AA	2SC5343Y NPN 5V 60V 50V 150MA 100NA 1
Q801	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q820	0TR322709AA	KTC3227 NPN 5V 80V 80V 400MA 100NA 70
Q821	0TR322709AA	KTC3227 NPN 5V 80V 80V 400MA 100NA 70
Q871	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q880	0TR421009CA	BF421 PNP -5V -0.3KV -0.3KV -0.05A -0
Q881	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q901	0TR126609AA	KTA1266-Y(KTA1015) PNP -5V -50V -50V
Q902	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q905	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q906	0TR233009CA	KSC2330Y NPN 7V 300V 300V 100MA 100NA
DIODE		
D801	0DD260000BB	D2SBA60(STK) 600V 1.05V 10UA 60A SIP
DB801	0DRTW00131C	TS6P05G 600V 1V 5UA 150A TS6P ST 4P 4
D204	0DD060009AC	TVR06J 600V 1400MV 10UA 25A 300NSEC D
D301	0DRDC00014D	RGP15J 600V 1.3V 5UA 50A 250NSEC DO15
D401	0DD300009AC	RU3AMV(1) 600V 1.1V 10UA 50A 400NSEC
D402	0DD100009AE	RU1A 600V 2500MV 10UA 15A 400NSEC R1
D802	0DD100009AM	EU1ZV(1) 200V 2.5V 10UA 15A 400NSEC E
D803	0DD100009AM	EU1ZV(1) 200V 2.5V 10UA 15A 400NSEC E
D805	0DR010009AA	EG01C 1KV 3.3V 50UA 10A 100NSEC E0 TP
D806	0DD100009AM	EU1ZV(1) 200V 2.5V 10UA 15A 400NSEC E
D807	0DR100009DA	RGP10J 600V 1.3V 5UA 30A 250NSEC DO41
D822	0DD060009AC	TVR06J 600V 1400MV 10UA 25A 300NSEC D
D830	0DRTW00141A	SFAF504G 200V 975MV 10UA 125A 35NSEC
D840	0DRTW00141A	SFAF504G 200V 975MV 10UA 125A 35NSEC
D850	0DRDC00014D	RGP15J 600V 1.3V 5UA 50A 250NSEC DO15
D851	0DRDC00014D	RGP15J 600V 1.3V 5UA 50A 250NSEC DO15
D860	0DRTW00141A	SFAF504G 200V 975MV 10UA 125A 35NSEC
D870	0DD060009AC	TVR06J 600V 1400MV 10UA 25A 300NSEC D
D880	0DR260001AA	FMG-26S 200V 2.2V 500UA 50A 100NSEC T
D901	0DRDC00014E	1N4004A 400V 1100MV 5UA 30A - DO41 TP
D902	0DRDC00014E	1N4004A 400V 1100MV 5UA 30A - DO41 TP
D903	0DRDC00014E	1N4004A 400V 1100MV 5UA 30A - DO41 TP
D904	0DR140049AC	1N4004A 500V 1100MV 10UA 30A - DO41 T

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
D905	0DRDC00014E	1N4004A 400V 1100MV 5UA 30A - DO41 TP
D906	0DRDC00014E	1N4004A 400V 1100MV 5UA 30A - DO41 TP
D907	0DRDC00014E	1N4004A 400V 1100MV 5UA 30A - DO41 TP
D920	0DD060009AC	TVR06J 600V 1400MV 10UA 25A 300NSEC D
D201	0DRON00268A	MBRS190T3G 750MV 90V 2A - - - SMB R/T
D422	0DD140009AA	EK14 550MV 40V 1.5A - - - DO41 TP 2P
D160	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
D202	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 150MW
D203	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 150MW
D420	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
D421	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
D423	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
D424	0DRSA00221A	FMV-3GU 1.5V 1.7KV 5A 50A 2USEC - TO3
D500	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 150MW
D502	0DS181009AA	KDS181 1.2V 85V 300MA 2A 4NSEC 150MW
D503	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 150MW
D601	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
D804	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
D808	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
D809	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
D908	0DS113379BA	1SS133 1200MV 90V 400MA 600MA 4NSEC 3
D909	0DD414809ED	1N4148 1V 100V 150MA 500MA 4NSEC 500M
ZD001	0DZRM00178A	UDZS5.1B 5.1V 4.98TO5.2V 80OHM 200MW
ZD002	0DZRM00178A	UDZS5.1B 5.1V 4.98TO5.2V 80OHM 200MW
ZD102	0DZ330009BA	HZT33 33V 31TO35V 25OHM 200MW DO35 TP
ZD1201	0DZ620009BB	MTZJ6.2B 6.2V 5.96TO6.27V 30OHM 500MW
ZD1202	0DZ620009BB	MTZJ6.2B 6.2V 5.96TO6.27V 30OHM 500MW
ZD202	0DZ820009BF	GDZJ8.2B 8.2V 7.78TO8.19V 20OHM 500MW
ZD401	0DZ120009BG	GDZJ12B 12V 11.44TO12.03V 30OHM 500MW
ZD402	0DZ120009BG	GDZJ12B 12V 11.44TO12.03V 30OHM 500MW
ZD405	0DZ270009EB	MTZJ27B 27V 24.97TO26.26V 45OHM 500MW
ZD420	0DZ510009AK	GDZJ5.1B 5.1V 4.94TO5.2V 80OHM 500MW
ZD500	0DZ910009BD	GDZJ9.1B 9.1V 8.57TO9.01V 25OHM 500MW
ZD650	0DZ910009AJ	MTZJ9.1B 9.1V 8.57TO9.01V 20OHM 500MW
ZD802	0DZ560009CF	MTZJ5.6B 5.6V 5.45TO5.73V 40OHM 500MW
ZD803	0DZ330009CC	MTZJ3.3B 3.3V 3.32TO3.5V 120OHM 500MW
ZD914	0DZ910009BD	GDZJ9.1B 9.1V 8.57TO9.01V 25OHM 500MW
CAPACITOR		
C002	0CE476DD618	EGR476M010T1G1C11G 47uF 20% 10V 105MA
C003	0CE107DD618	SMS5.0TP10VB100M 100uF 20% 10V 157MA
C005	0CE107DD618	SMS5.0TP10VB100M 100uF 20% 10V 157MA
C011	0CE106DF618	SMS5.0TP16VB10M 10uF 20% 16V 72MA -4
C033	0CE105DK618	EGR105M050T1G1C11G 1uF 20% 50V 10MA -
C039	0CE335DK618	SMS5.0TP50VB3.3M 3.3uF 20% 50V 42MA -
C041	0CE107DF618	EGR107M016T1G1C11G 100uF 20% 16V 160M
C054	0CE107DD618	SMS5.0TP10VB100M 100uF 20% 10V 157MA
C056	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 130MA
C059	0CE476DD618	EGR476M010T1G1C11G 47uF 20% 10V 105MA
C062	0CE476DD618	EGR476M010T1G1C11G 47uF 20% 10V 105MA
C071	0CE107DD618	SMS5.0TP10VB100M 100uF 20% 10V 157MA
C072	0CE107DD618	SMS5.0TP10VB100M 100uF 20% 10V 157MA

LOCA. NO	PART NO	DESCRIPTION
C074	0CE476DD618	EGR476M010T1G1C11G 47uF 20% 10V 105MA
C077	0CE476DD618	EGR476M010T1G1C11G 47uF 20% 10V 105MA
C097	0CE105DK618	EGR105M050T1G1C11G 1uF 20% 50V 10MA -
C103	0CN1030F679	RH EP050 Y103M-B-B 10nF 20% 16V X5R -
C1051	0CE476DF618	SMS5.0TP16VB47M 47uF 20% 16V - -40TO+
C1052	0CN1030F679	RH EP050 Y103M-B-B 10nF 20% 16V X5R -
C107	0CE106DF618	SMS5.0TP16VB10M 10uF 20% 16V 72MA -4
C110	0CX4700K409	RH UP050SL470J-B-B 47pF 5% 50V S2L -2
C114	0CN1030F679	RH EP050 Y103M-B-B 10nF 20% 16V X5R -
C116	0CX4700K409	RH UP050SL470J-B-B 47pF 5% 50V S2L -2
C117	0CE337DD618	SMS5.0TP10VB330M 330uF 20% 10V 386MA
C120	0CN1030F679	RH EP050 Y103M-B-B 10nF 20% 16V X5R -
C1204	0CN1040K949	CH UP050 F104Z-B-B Z 100nF -20TO+80%
C1208	0CN2210K519	RH UP050 B221K-B-B 220pF 10% 50V Y5P
C121	0CE474DK618	EGR474M050T1G1C11G 470nF 20% 50V 5MA
C1210	0CE106DK618	SMS5.0TP50VB10M 10uF 20% 50V 72MA -40
C1211	0CN2210K519	RH UP050 B221K-B-B 220pF 10% 50V Y5P
C1212	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C1213	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C122	0CE227DD618	EGR227M010T1G1E11G 220uF 20% 10V 255M
C123	0CN1030F679	RH EP050 Y103M-B-B 10nF 20% 16V X5R -
C124	0CE106DF618	SMS5.0TP16VB10M 10uF 20% 16V 72MA -4
C129	0CE106DK618	SMS5.0TP50VB10M 10uF 20% 50V 72MA -40
C161	0CN1010K519	RH UP050 B101K-B-B 100pF 10% 50V Y5P
C162	0CN2210K519	RH UP050 B221K-B-B 220pF 10% 50V Y5P
C163	0CE476DF618	SMS5.0TP16VB47M 47uF 20% 16V - -40TO+
C164	0CN1040K949	CH UP050 F104Z-B-B Z 100nF -20TO+80%
C165	0CE105DK618	EGR105M050T1G1C11G 1uF 20% 50V 10MA -
C166	0CN1030F679	RH EP050 Y103M-B-B 10nF 20% 16V X5R -
C171	0CN1010K519	RH UP050 B101K-B-B 100pF 10% 50V Y5P
C172	0CN2210K519	RH UP050 B221K-B-B 220pF 10% 50V Y5P
C174	0CN1040K949	CH UP050 F104Z-B-B Z 100nF -20TO+80%
C175	0CE105DK618	EGR105M050T1G1C11G 1uF 20% 50V 10MA -
C176	0CN1030F679	RH EP050 Y103M-B-B 10nF 20% 16V X5R -
C1801	0CQZVBK002C	PCX2 335 91592 0.22uF 10% 275V MPP -4
C1802	0CQZVBK002C	PCX2 335 91592 0.22uF 10% 275V MPP -4
C1804	0CQZVBK002A	PCX2 335 M9729 0.1uF 20% 275V MPP -40
C200	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C201	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C213	0CE227DF618	EGR227M016T6G11G 220uF 20% 16V 265M
C231	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C232	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C233	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C234	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C235	0CE227DD618	EGR227M010T1G1E11G 220uF 20% 10V 255M
C236	0CE107DF618	EGR107M016T1G1C11G 100uF 20% 16V 160M
C244	0CE107DF618	EGR107M016T1G1C11G 100uF 20% 16V 160M
C248	0CE337DD618	SMS5.0TP10VB330M 330uF 20% 10V 386MA
C251	0CE227DD618	EGR227M010T1G1E11G 220uF 20% 10V 255M
C252	0CE227DD618	EGR227M010T1G1E11G 220uF 20% 10V 255M
C253	0CE476DD618	EGR476M010T1G1C11G 47uF 20% 10V 105MA
C254	0CE107DD618	SMS5.0TP10VB100M 100uF 20% 10V 157MA

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

LOCA. NO	PART NO	DESCRIPTION
C257	0CE227DF618	EGR227M016T6G11G 220uF 20% 16V 265M
C259	0CE226DF618	EGR226M016T1G1C11G 22uF 20% 16V 75MA
C262	0CE226DF618	EGR226M016T1G1C11G 22uF 20% 16V 75MA
C267	0CE226DF618	EGR226M016T1G1C11G 22uF 20% 16V 75MA
C268	0CE226DF618	EGR226M016T1G1C11G 22uF 20% 16V 75MA
C301	0CE108BH618	ESM108M025T1G5K20G 1000uF 20% 25V 715
C302	0CN1020K519	RH UP050 B102K-B-B 1nF 10% 50V Y5P -2
C303	0CN1020K519	RH UP050 B102K-B-B 1nF 10% 50V Y5P -2
C304	0CQ3341N401	HPE 2A 334J BK 330nF 5% 100V PE -40TO
C305	0CQ1041N509	PEI104K2AT 100nF 10% 100V PE -40TO+85
C306	0CE227BK618	ESM227M050T1G5H17G 220uF 20% 50V 400M
C307	0CE108BH618	ESM108M025T1G5K20G 1000uF 20% 25V 715
C308	0CN1020K519	RH UP050 B102K-B-B 1nF 10% 50V Y5P -2
C310	0CN1020K519	RH UP050 B102K-B-B 1nF 10% 50V Y5P -2
C401	0CE226DR630	EGR226M250K6G1H20G 22uF 20% 250V 230M
C402	0CE107DK618	EGR107M050T6G11G 100uF 20% 50V 270M
C403	181-009V	PPN473K2DH 47nF 10% 200V PP -40TO+85C
C404	181-014Z	MPPS332J3VD 3.3nF 5% 1.6KV MPP -40TO+
C405	0CQ3331N509	PEI333K2AT 33nF 10% 100V PE -40TO+85C
C406	0CQ3331N509	PEI333K2AT 33nF 10% 100V PE -40TO+85C
C420	0CE476CK638	SHL5.0TP50VB47M 47uF 20% 50V 177MA -4
C421	0CK3320W515	DCM332K39Y5PL6FJ5A 3.3nF 10% 500V Y5P
C422	181-011B	MPPS102J3VD 1nF 5% 1.6KV MPP -40TO+85
C424	181-015K	MPPS912H3VD 9.1nF 3% 1.6KV MPP -40TO+
C425	181-010G	PPN103K2GH 10nF 10% 400V PP -40TO+85C
C426	0CE685BK652	KM5.0MC50VBBP-S6.8M 6.8uF 20% 50V 44M
C429	181-013U	MPP104J2JH 100nF 5% 630V MPP -40TO+85
C430	181-010E	PPN124J2GD 120nF 5% 400V PP -40TO+85C
C431	181-013M	MPP224J2GD 220nF 5% 400V MPP -40TO+85
C432	181-091D	DEHR33A471KN2A 1nF 10% 1000V Y5R -25T
C433	181-091W	LYRM27471KX1A 470pF 10% 2000V Y5R -25
C434	181-091W	LYRM27471KX1A 470pF 10% 2000V Y5R -25
C435	0CQ5621N419	TX2A562J06000AN 5.6nF 5% 100V PE -40T
C436	0CE106BF618	ESM106M016T1G5C11G 10uF 20% 16V 45MA
C437	0CQ1041N509	PEI104K2AT 100nF 10% 100V PE -40TO+85
C439	181-091C	DEHR33A471KN2A 470pF 10% 1000V Y5R -2
C440	0CE106BK618	ESM106M050T1G5C11G 10uF 20% 50V 55MA
C442	0CE107DJ618	SMS5.0TP35VB100M 100uF 20% 35V 291MA
C443	0CK1030K945	DCT103Z26Y5VF6FJ5A 10nF -20TO+80% 50V
C444	0CE226DF618	EGR226M016T1G1C11G 22uF 20% 16V 75MA
C445	0CN6810K519	RH UP050 B681K-B-B 680pF 10% 50V Y5P
C448	0CN1020K519	RH UP050 B102K-B-B 1nF 10% 50V Y5P -2
C449	0CN1020K519	RH UP050 B102K-B-B 1nF 10% 50V Y5P -2
C503	0CE107DF618	EGR107M016T1G1C11G 100uF 20% 16V 160M
C507	0CE476DD618	EGR476M010T1G1C11G 47uF 20% 10V 105MA
C513	0CE227DD618	EGR227M010T1G1E11G 220uF 20% 10V 255M
C517	0CE475DK618	EGR475M050T1G1C11G 4.7uF 20% 50V 50MA
C520	0CE227DD618	EGR227M010T1G1E11G 220uF 20% 10V 255M
C527	0CE107DD618	SMS5.0TP10VB100M 100uF 20% 10V 157MA
C532	0CE107DF618	EGR107M016T1G1C11G 100uF 20% 16V 160M
C594	0CE476DH618	SMS5.0TP25VB47M 47uF 20% 25V 131MA -4
C650	0CE108DH618	SMS5.0TP25VB1000M 1000uF 20% 25V 1.34

LOCA. NO	PART NO	DESCRIPTION
C651	0CN2230H949	RH TP050 F223Z-B-B 22nF -20TO+80% 25V
C652	0CF2241L438	PCMT 365 76224 220nF 5% 63V MPE -40TO
C653	0CN3320F569	RH EP050 X332K-B-B 3.3nF 10% 16V X7R
C653	0CN6820F569	CH EP050 X682K-B-B Z 6.8nF 10% 16V X7
C654	0CN3320F569	RH EP050 X332K-B-B 3.3nF 10% 16V X7R
C655	0CN3320F569	RH EP050 X332K-B-B 3.3nF 10% 16V X7R
C655	0CN6820F569	CH EP050 X682K-B-B Z 6.8nF 10% 16V X7
C656	0CF2241L438	PCMT 365 76224 220nF 5% 63V MPE -40TO
C657	0CE336DD618	EGR336M010T1G1C11G 33uF 20% 10V 85MA
C800	181-120K	SDE222M16FS1 2.2nF 20% 4000V Y5U -25T
C800	181-120N	SDE102M09FS1 1nF 20% 4000V Y5U -25TO+
C801	0CK47101515	DCH471K26Y5PN6FJ5A 470pF 10% 1000V Y5
C802	0CK10201515	DCH102K34Y5PN6FJ5A 1nF 10% 1000V Y5P
C803	0CK10201515	DCH102K34Y5PN6FJ5A 1nF 10% 1000V Y5P
C804	0CE336W650	SG2H336M1631MSS 33uF 20% 500V - -25TO
C805	0CE476DK618	SMS5.0TP50VB47M 47uF 20% 50V 181MA -4
C806	0CK10201515	DCH102K34Y5PN6FJ5A 1nF 10% 1000V Y5P
C807	0CK47101515	DCH471K26Y5PN6FJ5A 470pF 10% 1000V Y5
C809	181-001U	LTW477M450S1A5T50G 470uF 20% 450V 2.3
C810	181-091C	DEHR33A471KN2A 470pF 10% 1000V Y5R -2
C811	181-014Y	MPPS152J3VD 1.5nF 5% 1.6KV MPP -40TO+
C812	0CK10201515	DCH102K34Y5PN6FJ5A 1nF 10% 1000V Y5P
C813	0CE227BJ618	ESM227M035T1G5H1CG 220uF 20% 35V 350M
C815	0CK4710K515	DCT471K16Y5PF6FJ5A 470pF 10% 50V Y5P
C816	0CK1020K515	DCT102K20Y5PF6FJ5A 1nF 10% 50V Y5P -2
C817	0CN8210K519	RH UP050 B821K-B-B 820pF 10% 50V Y5P
C818	0CE476DK618	SMS5.0TP50VB47M 47uF 20% 50V 181MA -4
C819	0CK3320W515	DCM332K39Y5PL6FJ5A 3.3nF 10% 500V Y5P
C820	0CE228DD618	EGR228M010T1G1H20G 2200uF 20% 10V 1A
C821	0CE227DD618	EGR227M010T1G1E11G 220uF 20% 10V 255M
C822	0CK47101515	DCH471K26Y5PN6FJ5A 470pF 10% 1000V Y5
C823	0CK47101515	DCH471K26Y5PN6FJ5A 470pF 10% 1000V Y5
C824	0CE477BJ618	ESM477M035T1G5H20G 470uF 20% 35V 610M
C825	0CN1020K519	RH UP050 B102K-B-B 1nF 10% 50V Y5P -2
C828	181-120K	SDE222M16FS1 2.2nF 20% 4000V Y5U -25T
C830	0CK4710W515	DCM471K20Y5PL6FJ5A 470pF 10% 500V Y5P
C831	0CE108BH618	ESM108M025T1G5K20G 1000uF 20% 25V 715
C833	0CE108DH618	SMS5.0TP25VB1000M 1000uF 20% 25V 1.34
C834	181-120N	SDE102M09FS1 1nF 20% 4000V Y5U -25TO+
C835	0CE108BF618	ESM108M016T1G5H20G 1000uF 20% 16V 645
C837	0CE108BF618	ESM108M016T1G5H20G 1000uF 20% 16V 645
C838	0CE108DD618	SMS5.0TP10VB1000M 1000uF 20% 10V 854M
C839	0CE228BF618	ESM228M016T1G5K25G 2200uF 20% 16V 970
C840	181-091C	DEHR33A471KN2A 470pF 10% 1000V Y5R -2
C841	0CE228BF618	ESM228M016T1G5K25G 2200uF 20% 16V 970
C842	0CK1030K945	DCT103Z26Y5VF6FJ5A 10nF -20TO+80% 50V
C843	0CK1030K945	DCT103Z26Y5VF6FJ5A 10nF -20TO+80% 50V
C844	0CK1030K945	DCT103Z26Y5VF6FJ5A 10nF -20TO+80% 50V
C845	0CE227DD618	EGR227M010T1G1E11G 220uF 20% 10V 255M
C850	0CK4710W515	DCM471K20Y5PL6FJ5A 470pF 10% 500V Y5P
C851	0CE108BH618	ESM108M025T1G5K20G 1000uF 20% 25V 715
C852	0CK4710W515	DCM471K20Y5PL6FJ5A 470pF 10% 500V Y5P

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LOCA. NO	PART NO	DESCRIPTION
C853	0CE108BH618	ESM108M025T1G5K20G 1000uF 20% 25V 715
C860	181-091C	DEHR33A471KN2A 470pF 10% 1000V Y5R -2
C861	0CE228DK650	EGR228M050K6G1M36G 2200uF 20% 50V 1.9
C862	0CE475CK636	ERN475M050T1G5C11G 4.7uF 20% 50V 30MA
C870	181-091C	DEHR33A471KN2A 470pF 10% 1000V Y5R -2
C871	0CE227CK618	SHL5.0TP50VB220M 220uF 20% 50V 506MA
C872	0CQ1041N509	PEI104K2AT 100nF 10% 100V PE -40TO+85
C873	0CN1040K949	CH UP050 F104Z-B-B Z 100nF -20TO+80%
C874	0CK4710W515	DCM471K20Y5PL6FJ5A 470pF 10% 500V Y5P
C880	181-091C	DEHR33A471KN2A 470pF 10% 1000V Y5R -2
C881	0CE227CQ61A	SHL7.5TP200VB220M 220uF 20% 200V 1.09
C883	0CE107DD618	SMS5.0TP10VB100M 100uF 20% 10V 157MA
C884	0CE227CQ61A	SHL7.5TP200VB220M 220uF 20% 200V 1.09
C885	0CE106DH618	SMS5.0TP25VB10M 10uF 20% 25V 72MA -40
C886	0CN1020K519	RH UP050 B102K-B-B 1nF 10% 50V Y5P -2
C901	0CE106BR618	ESM106M250T1G5H17G 10uF 20% 250V 120M
C903	0CK47202510	DCH472K75Y5PP7DK0A 4.7nF 10% 2000V Y5
C904	0CE475DR618	EGR475M250T1G1G11G 4.7uF 20% 250V 70M
C905	0CN1040K949	CH UP050 F104Z-B-B Z 100nF -20TO+80%
C906	0CE107DF618	EGR107M016T1G1C11G 100uF 20% 16V 160M
C907	0CN1510K519	RH UP050 B151K-B-B 150pF 10% 50V Y5P
C908	181-033R	DCH102K39Y5PP7VK7A 1nF 10% 2000V Y5P
C910	0CE476DF618	SMS5.0TP16VB47M 47uF 20% 16V - -40TO+
C911	0CN1040K949	CH UP050 F104Z-B-B Z 100nF -20TO+80%
C920	0CN1030F679	RH EP050 Y103M-B-B 10nF 20% 16V X5R -
C921	0CE107DF618	EGR107M016T1G1C11G 100uF 20% 16V 160M
C922	0CN1510K519	RH UP050 B151K-B-B 150pF 10% 50V Y5P
C923	0CE107DF618	EGR107M016T1G1C11G 100uF 20% 16V 160M
C924	0CE107BF618	ESM107M016T1G5E11G 100uF 20% 16V 155M
C925	0CK1030W510	DCM103K63Y5PL6DK0A 10nF 10% 500V Y5P
C926	0CE106DP618	EGR106M160T1G1H15G 10uF 20% 160V 120M
C927	0CK10101515	DCH101K26Y5PN6FJ5A 100pF 10% 1000V Y5
C928	0CE107BF618	ESM107M016T1G5E11G 100uF 20% 16V 155M
C929	0CQ1044R539	PCMT 365 90065 100nF 10% 250V MPE -40
C930	0CE106BP618	ESM106M160T1G5H15G 10uF 20% 160V 100M
C932	0CN1040K949	CH UP050 F104Z-B-B Z 100nF -20TO+80%
C933	0CK1040K945	DCS104Z30Y5VF6FJ5A 100nF -20TO+80% 50
C935	0CQ1044R539	PCMT 365 90065 100nF 10% 250V MPE -40
COIL & INDUCTOR		
L102	0LA0102K139	Inductor,Wire Wound,Axial LAL04TB100K 10UH
L1050	0LA0102K119	Inductor,Wire Wound,Axial LAL02TB100K 10UH
L1201	0LA0472K119	Inductor,Wire Wound,Axial LAL02TB470K 47UH
L1202	0LA0472K119	Inductor,Wire Wound,Axial LAL02TB470K 47UH
L212	0LA0102K139	Inductor,Wire Wound,Axial LAL04TB100K 10UH
L213	150-C02F	Coil,Choke82uH - - 12X17MM
L301	150-C02F	Coil,Choke82uH - - 12X17MM
L302	150-C02F	Coil,Choke82uH - - 12X17MM
L401	0LA1001K139	Inductor,Wire Wound,Axial LAL04TB102K 1MH
L402	150-717K	Coil,ChokeRN-29FA11 1.1uH 50V 0A
L421	150-C04E	Coil,ChokeCN-29M3F 285uH 50V 0A
L422	150-W01A	Coil,Choke24uH 50V 0A 18X42MM

LOCA. NO	PART NO	DESCRIPTION
L424	150-L02Q	Coil,LinearityCF-28A50i 4.6uH
L850	150-C02F	Coil,Choke82uH - - 12X17MM
L860	150-C02F	Coil,Choke82uH - - 12X17MM
L881	150-C02F	Coil,Choke82uH - - 12X17MM
L882	150-C02F	Coil,Choke82uH - - 12X17MM
L901	0LA0102K139	Inductor,Wire Wound,Axial LAL04TB100K 10UH
L902	0LA0102K139	Inductor,Wire Wound,Axial LAL04TB100K 10UH
L910	0LA0221K139	Inductor,Wire Wound,Axial LAL04TB2R2K 2.2UH
L911	0LA0221K139	Inductor,Wire Wound,Axial LAL04TB2R2K 2.2UH
L912	0LA0221K139	Inductor,Wire Wound,Axial LAL04TB2R2K 2.2UH
T1803	6170VZ0008A	Transformer,Switching 6170VZ0008A TS4841
T401	6174917003B	Transformer,FBT BSC30-N2571 D17
T402	151-515A	Transformer,Switching 151-515A EI2519
T403	151-E06A	Transformer,Switching 151-E06A EER2834
T801	6170VMCA52F	Transformer,Switching EE2229 PM2,PM5
T802	6170VMCB16R	Transformer,Switching EER5345 B+135
CONNECTOR		
C1	387-552S	YFH800-02 YFH800-02 400mm 8.00MM 2P U
C2	387-J12E	connector assy 12P GIL-G-12 GIL-G-12
C3	387-J12L	GIL-G GIL-G 700mm 2.50MM 12P UL1185 A
C4	450-018C	BS901 - STRAIGHT RF ADAPTER WIRE BK N
C5	6631V25034F	2P 4T UL1007 AWG26 N -
C6	6631V25034J	2P 4T UL1007 AWG26 N -
C7	EAD30658701	POWER CONNECTOR CTV YFH800(YH) YFH800
P004	366-921B	GIL-G-03P-S3T2-E 3P 2.54MM 1R STRAIGH
P105	366-932E	GIL-G-06P-S3T2-E 6P 2.50MM 1R STRAIGH
P1051	387-A04F	GIL-G-04 GIL-J-04 350mm 2.50MM 4P UL1
P160	366-932B	GIL-G-03P-S3T2-E 3P 2.50MM 1R STRAIGH
P200	6630V90177C	25421WR-32A01 32P 2.54MM 2R ANGLE DIP
P202	6630V90177C	25421WR-32A01 32P 2.54MM 2R ANGLE DIP
P206	366-922L	GIL-G-12P-S3L2-E 12P 2.50MM 1R ANGLE
P401	366-043K	35929-0410 4P 10.00MM 1R STRAIGHT DIP
P403B	387-A07G	7P CONNECTOR ASSY GIL-G-07 GIL-J-07 4
P500	366-922L	GIL-G-12P-S3L2-E 12P 2.50MM 1R ANGLE
P503	366-922C	GIL-G-04P-S3L2-E 4P 2.50MM 1R ANGLE D
P504	366-922D	GIL-G-05P-S3L2-E 5P 2.50MM 1R ANGLE D
P601B	366-932L	GIL-G-12P-S3T2-E 12P 2.50MM 1R STRAIG
P650	366-932C	GIL-G-04P-S3T2-E 4P 2.50MM 1R STRAIGH
P651	366-932B	GIL-G-03P-S3T2-E 3P 2.50MM 1R STRAIGH
P804	387-907D	387-907D TERMINAL HOUSING 250mm 10.00
P805	387-907D	387-907D TERMINAL HOUSING 250mm 10.00
P901B	366-932L	GIL-G-12P-S3T2-E 12P 2.50MM 1R STRAIG
P905	366-921F	GIL-G-07P-S3T2-E 7P 2.50MM 1R STRAIGH
P920	366-921B	GIL-G-03P-S3T2-E 3P 2.54MM 1R STRAIGH
PT01	387-A05J	GIL-G-05 GIL-J-05 500mm 2.50MM 5P UL1
RESISTOR		
FR901	0RF0101K607	FNS02T3J1R00 1OHM 5% 2W 12.0X4.0MM -
J168	0RD5601F609	RD-96T1J5K60 5.6KOHM 5% 1/6W 3.2X1.8M
R026	0RRZVTA001A	MNR14E0ABJ101 100OHM 5% 1/16W 4 SMD R
R05E	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP

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

LOCA. NO	PART NO	DESCRIPTION
R062	0RRZVTA001A	MNR14E0ABJ101 100OHM 5% 1/16W 4 SMD R
R088	0RRZVTA001A	MNR14E0ABJ101 100OHM 5% 1/16W 4 SMD R
R1050	0RD4702F609	RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8MM
R1051	0RD5101F609	RD-96T1J5K10 5.1KOHM 5% 1/6W 3.2X1.8M
R1052	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8M
R1053	0RD1301F609	RD-96T1J1K30 1.3KOHM 5% 1/6W 3.2X1.8M
R111	0RD5601F609	RD-96T1J5K60 5.6KOHM 5% 1/6W 3.2X1.8M
R112	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R113	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R115	0RD0222F609	RD-96T1J22R0 220OHM 5% 1/6W 3.2X1.8MM
R116	0RD2201F609	RD-96T1J2K20 2.2KOHM 5% 1/6W 3.2X1.8M
R117	0RD0102F609	RD-96T1J10R0 100OHM 5% 1/6W 3.2X1.8MM
R118	0RD0102F609	RD-96T1J10R0 100OHM 5% 1/6W 3.2X1.8MM
R119	0RD2200F609	RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8MM
R120	0RD0102F609	RD-96T1J10R0 100OHM 5% 1/6W 3.2X1.8MM
R1204	0RD2403F609	RD-96T1J240K 240KOHM 5% 1/6W 3.2X1.8M
R1206	0RD0752F609	RD-96T1J75R0 75OHM 5% 1/6W 3.2X1.8MM
R1208	0RD2403F609	RD-96T1J240K 240KOHM 5% 1/6W 3.2X1.8M
R1212	0RD0752F609	RD-96T1J75R0 75OHM 5% 1/6W 3.2X1.8MM
R125	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R126	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R127	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R128	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R129	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R1292	0RD1500F609	RD-96T1J150R 150OHM 5% 1/6W 3.2X1.8MM
R130	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R134	0RD0102F609	RD-96T1J10R0 100OHM 5% 1/6W 3.2X1.8MM
R135	0RD4300A609	RDM92T1J430R 430OHM 5% 1/2W 6.5X2.3MM
R138	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R160	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R161	0RD3002F609	RD-96T1J30K0 30KOHM 5% 1/6W 3.2X1.8MM
R162	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R163	0RD1003F609	RD-96T1J100K 100KOHM 5% 1/6W 3.2X1.8M
R164	0RD1801F609	RD-96T1J1K80 1.8KOHM 5% 1/6W 3.2X1.8M
R165	0RD1801F609	RD-96T1J1K80 1.8KOHM 5% 1/6W 3.2X1.8M
R166	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8M
R170	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R171	0RD3002F609	RD-96T1J30K0 30KOHM 5% 1/6W 3.2X1.8MM
R172	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R173	0RD1003F609	RD-96T1J100K 100KOHM 5% 1/6W 3.2X1.8M
R174	0RD1801F609	RD-96T1J1K80 1.8KOHM 5% 1/6W 3.2X1.8M
R175	0RD1801F609	RD-96T1J1K80 1.8KOHM 5% 1/6W 3.2X1.8M
R176	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8M
R1801	180-822M	RWR15PDJ1R00 1OHM 5% 15W 48X12.5X12.5
R1850	0RKZVTA001K	RN-92T1J470K 470KOHM 5% 1/2W 9.0X3.0M
R234	0RD1800A609	RDM92T1J180R 180OHM 5% 1/2W 6.5X2.3MM
R287	0RS0391K619	SML02R0J3R90 3.9OHM 5% 2W 8.6X3.5MM -
R301	0RD6801F609	RD-96T1J6K80 6.8KOHM 5% 1/6W 3.2X1.8M
R302	0RD6801F609	RD-96T1J6K80 6.8KOHM 5% 1/6W 3.2X1.8M
R303	0RN4701F409	RN-96T1F4K70 4.7KOHM 1% 1/6W 3.2X1.8M
R304	0RN4701F409	RN-96T1F4K70 4.7KOHM 1% 1/6W 3.2X1.8M
R305	0RS0332H609	RS-92T1J33R0 33OHM 5% 1/2W 9.0X3.0MM

LOCA. NO	PART NO	DESCRIPTION
R306	0RS2200K607	RSD02T3J220R 220OHM 5% 2W 12.0X4.0MM
R308	0RS0221K607	RSD02T3J2R20 2.2OHM 5% 2W 12.0X4.0MM
R309	0RS0221K607	RSD02T3J2R20 2.2OHM 5% 2W 12.0X4.0MM
R310	0RD4301F609	RD-96T1J4K30 4.3KOHM 5% 1/6W 3.2X1.8M
R401	0RS1001K607	RSD02T3J1K00 1KOHM 5% 2W 12.0X4.0MM -
R402	0RS0101K607	RSD02T3J1R00 1OHM 5% 2W 12.0X4.0MM -
R403	0RF0101H609	FN-92T1J1R00 1OHM 5% 1/2W 9.0X3.0MM -
R405	0RF0680J607	FN-01T3JR680 0.68OHM 5% 1W 12.0X4.0MM
R407	0RS2701H609	RS-92T1J2K70 2.7KOHM 5% 1/2W 9.0X3.0M
R408	0RD2204A609	RDM92T1J2M20 2.2MOHM 5% 1/2W 6.5X2.3M
R410	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R411	0RD4701A609	RDM92T1J4K70 4.7KOHM 5% 1/2W 6.5X2.3M
R412	0RD4701A609	RDM92T1J4K70 4.7KOHM 5% 1/2W 6.5X2.3M
R413	0RD1000A609	RDM92T1J100R 100OHM 5% 1/2W 6.5X2.3MM
R414	180-C02M	ERC12GK562V 5.6KOHM 10% 1/2W 9.5X3.5M
R416	0RS0221H609	RS-92T1J2R20 2.2OHM 5% 1/2W 9.0X3.0MM
R419	0RD5601F609	RD-96T1J5K60 5.6KOHM 5% 1/6W 3.2X1.8M
R420	0RS1200K607	RSD02T3J120R 120OHM 5% 2W 12.0X4.0MM
R423	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8M
R424	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R425	0RS3300H609	RS-92T1J330R 330OHM 5% 1/2W 9.0X3.0MM
R427	180-A01B	PRW02T3KR110 0.11OHM 10% 2W 12.0X4.0M
R428	0RS0122H609	RSD92T1J12R0 12OHM 5% 1/2W 6.5X2.3MM
R429	0RS0122H609	RSD92T1J12R0 12OHM 5% 1/2W 6.5X2.3MM
R430	0RS2200K607	RSD02T3J220R 220OHM 5% 2W 12.0X4.0MM
R431	0RD5100A609	RDM92T1J510R 510OHM 5% 1/2W 6.5X2.3MM
R432	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R433	0RF0470K607	FNS02T3JR470 0.47OHM 5% 2W 12.0X4.0MM
R434	0RD1001A609	RDM92T1J1K00 1KOHM 5% 1/2W 6.5X2.3MM
R435	0RF0470K607	FNS02T3JR470 0.47OHM 5% 2W 12.0X4.0MM
R436	0RD1301A609	RDM92T1J1K30 1.3KOHM 5% 1/2W 6.5X2.3M
R438	0RD2701A609	RDM92T1J2K70 2.7KOHM 5% 1/2W 6.5X2.3M
R439	0RD2701A609	RDM92T1J2K70 2.7KOHM 5% 1/2W 6.5X2.3M
R440	0RD3901A609	RDM92T1J3K90 3.9KOHM 5% 1/2W 6.5X2.3M
R442	0RS6800K607	RSD02T3J680R 680OHM 5% 2W 12.0X4.0MM
R443	0RD3901F609	RD-96T1J3K90 3.9KOHM 5% 1/6W 3.2X1.8M
R444	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R445	0RN2701F409	RN-96T1F2K70 2.7KOHM 1% 1/6W 3.2X1.8M
R446	0RN1003F409	RN-96T1F100K 100KOHM 1% 1/6W 3.2X1.8M
R447	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R456	0RD5600F609	RD-96T1J560R 560OHM 5% 1/6W 3.2X1.8MM
R457	0RN3901F409	RN-96T1F3K90 3.9KOHM 1% 1/6W 3.2X1.8M
R458	0RD1501F609	RD-96T1J1K50 1.5KOHM 5% 1/6W 3.2X1.8M
R460	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R461	0RF0101H609	FN-92T1J1R00 1OHM 5% 1/2W 9.0X3.0MM -
R547	0RH0000D622	MCR10EZJH000 0OHM 5% 1/8W 2012 R/TP
R582	0RD1800A609	RDM92T1J180R 180OHM 5% 1/2W 6.5X2.3MM
R593	0RH4701D622	MCR10EZJH472 4.7KOHM 5% 1/8W 2012 R/T
R594	0RH4702D622	MCR10EZJH473 4.7KOHM 5% 1/8W 2012 R/TP
R595	0RH4701D622	MCR10EZJH472 4.7KOHM 5% 1/8W 2012 R/T
R596	0RH1001D622	MCR10EZJH102 1KOHM 5% 1/8W 2012 R/TP
R597	0RH1001D622	MCR10EZJH102 1KOHM 5% 1/8W 2012 R/TP

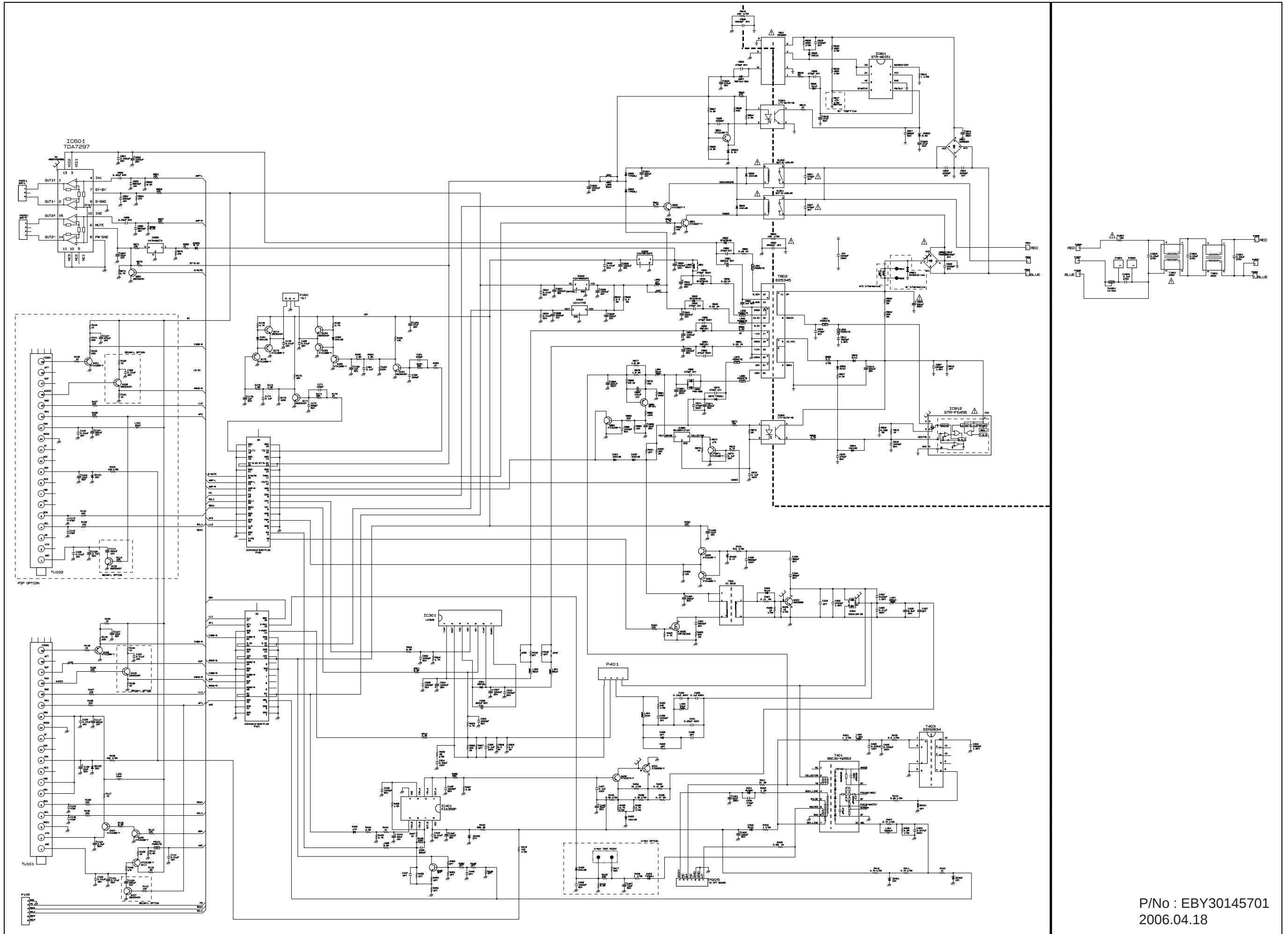
For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible
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LOCA. NO	PART NO	DESCRIPTION
R651	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R652	0RD3001F609	RD-96T1J3K00 3KOHM 5% 1/6W 3.2X1.8MM
R653	0RD4702F609	RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8MM
R654	0RD4702F609	RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8MM
R657	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R658	0RD3001F609	RD-96T1J3K00 3KOHM 5% 1/6W 3.2X1.8MM
R659	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R670	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R672	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R673	0RD2701F609	RD-96T1J2K70 2.7KOHM 5% 1/6W 3.2X1.8M
R800	180-C02J	ERC12GK106V 10MOHM 10% 1/2W 9.5X3.5MM
R804	0RS5602K607	RSD02T3J56K0 56KOHM 5% 2W 12.0X4.0MM
R805	0RS5602K607	RSD02T3J56K0 56KOHM 5% 2W 12.0X4.0MM
R806	0RD0331A609	RDM92T1J3R30 3.3OHM 5% 1/2W 6.5X2.3MM
R807	0RD2201F609	RD-96T1J2K20 2.2KOHM 5% 1/6W 3.2X1.8M
R808	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8M
R809	180-A01C	PRW02T3JR120 0.12OHM 5% 2W 12.0X4.0MM
R810	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R813	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R814	0RS0101H609	RS-92T1J1R00 1OHM 5% 1/2W 9.0X3.0MM -
R815	0RD1803A609	RDM92T1J180K 180KOHM 5% 1/2W 6.5X2.3M
R816	0RD1803A609	RDM92T1J180K 180KOHM 5% 1/2W 6.5X2.3M
R818	0RD0622A609	RDM92T1J62R0 62OHM 5% 1/2W 6.5X2.3MM
R819	180-C02J	ERC12GK106V 10MOHM 10% 1/2W 9.5X3.5MM
R820	0RD4700F609	RD-96T1J470R 470OHM 5% 1/6W 3.2X1.8MM
R821	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8M
R822	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R823	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8M
R824	0RD1501F609	RD-96T1J1K50 1.5KOHM 5% 1/6W 3.2X1.8M
R825	0RD3901F609	RD-96T1J3K90 3.9KOHM 5% 1/6W 3.2X1.8M
R826	0RD9100F609	RD-96T1J910R 910OHM 5% 1/6W 3.2X1.8MM
R827	0RD2001F609	RD-96T1J2K00 2KOHM 5% 1/6W 3.2X1.8MM
R830	0RP0020J809	SPF01T1MR020 0.02OHM 20% 1W 6.5X2.3MM
R835	0RD2203A609	RDM92T1J220K 220KOHM 5% 1/2W 6.5X2.3M
R840	0RP0010J809	SPF01T1MR010 0.01OHM 20% 1W 6.5X2.3MM
R842	0RS0331K607	RSD02T3J3R30 3.3OHM 5% 2W 12.0X4.0MM
R843	0RS0331K607	RSD02T3J3R30 3.3OHM 5% 2W 12.0X4.0MM
R850	0RP0020J809	SPF01T1MR020 0.02OHM 20% 1W 6.5X2.3MM
R851	0RP0020J809	SPF01T1MR020 0.02OHM 20% 1W 6.5X2.3MM
R860	0RP0020J809	SPF01T1MR020 0.02OHM 20% 1W 6.5X2.3MM
R871	0RD7500F609	RD-96T1J750R 750OHM 5% 1/6W 3.2X1.8MM
R872	0RD2001F609	RD-96T1J2K00 2KOHM 5% 1/6W 3.2X1.8MM
R873	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8M
R875	0RN3001F409	RN-96T1F3K00 3KOHM 1% 1/6W 3.2X1.8MM
R877	0RF0181K607	FNS02T3J1R80 1.8OHM 5% 2W 12.0X4.0MM
R878	0RF0181K607	FNS02T3J1R80 1.8OHM 5% 2W 12.0X4.0MM
R879	0RD3300F609	RD-96T1J330R 330OHM 5% 1/6W 3.2X1.8MM
R881	0RD2403F609	RD-96T1J240K 240KOHM 5% 1/6W 3.2X1.8M
R882	0RD1003A609	RDM92T1J100K 100KOHM 5% 1/2W 6.5X2.3M
R883	0RD9102F609	RD-96T1J91K0 91KOHM 5% 1/6W 3.2X1.8MM
R884	0RD3601F609	RD-96T1J3K60 3.6KOHM 5% 1/6W 3.2X1.8M
R885	0RS1002J607	RS-01T3J10K0 10KOHM 5% 1W 12.0X4.0MM

LOCA. NO	PART NO	DESCRIPTION
R901	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R902	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R903	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R904	0RD8201F609	RD-96T1J8K20 8.2KOHM 5% 1/6W 3.2X1.8M
R905	0RD3300F609	RD-96T1J330R 330OHM 5% 1/6W 3.2X1.8MM
R906	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R907	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R908	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM
R909	0RD3600H609	RD-92T1J360R 360OHM 5% 1/2W 9.0X3.0MM
R910	180-C02Q	ERC12GJ331V 330OHM 5% 1/2W 9.5X3.5MM
R912	0RD2204H609	RD-92T1J2M20 2.2MOHM 5% 1/2W 9.0X3.0M
R913	0RD2701F609	RD-96T1J2K70 2.7KOHM 5% 1/6W 3.2X1.8M
R914	0RD5101F609	RD-96T1J5K10 5.1KOHM 5% 1/6W 3.2X1.8M
R915	0RD1203F609	RD-96T1J120K 120KOHM 5% 1/6W 3.2X1.8M
R921	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R922	0RD1000F609	RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8MM
R925	0RS2200J607	RS-01T3J220R 220OHM 5% 1W 12.0X4.0MM
R926	0RF0470H609	FN-92T1JR470 0.47OHM 5% 1/2W 9.0X3.0M
R927	0RD1801F609	RD-96T1J1K80 1.8KOHM 5% 1/6W 3.2X1.8M
R928	0RD4702F609	RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8MM
R929	0RD2001F609	RD-96T1J2K00 2KOHM 5% 1/6W 3.2X1.8MM
R931	180-C02Q	ERC12GJ331V 330OHM 5% 1/2W 9.5X3.5MM
R932	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8MM
R934	0RD1802F609	RD-96T1J18K0 18KOHM 5% 1/6W 3.2X1.8MM
R935	0RD6201F609	RD-96T1J6K20 6.2KOHM 5% 1/6W 3.2X1.8M
R937	0RD1002H609	RD-92T1J10K0 10KOHM 5% 1/2W 9.0X3.0MM
R938	0RD1003H609	RD-92T1J100K 100KOHM 5% 1/2W 9.0X3.0M
R940	0RD3600H609	RD-92T1J360R 360OHM 5% 1/2W 9.0X3.0MM
R941	0RD3600H609	RD-92T1J360R 360OHM 5% 1/2W 9.0X3.0MM
R942	180-C02Q	ERC12GJ331V 330OHM 5% 1/2W 9.5X3.5MM
RT01	0RD9101F609	RD-96T1J9K10 9.1KOHM 5% 1/6W 3.2X1.8M
RT02	0RD3901F609	RD-96T1J3K90 3.9KOHM 5% 1/6W 3.2X1.8M
RT03	0RD9101F609	RD-96T1J9K10 9.1KOHM 5% 1/6W 3.2X1.8M
RT04	0RD3901F609	RD-96T1J3K90 3.9KOHM 5% 1/6W 3.2X1.8M
SWITCH		
SW01	140-315H	THVH472GBC 1C1P 12VDC 0.05A HORIZONTAL
SW02	140-315H	THVH472GBC 1C1P 12VDC 0.05A HORIZONTAL
SW03	140-315H	THVH472GBC 1C1P 12VDC 0.05A HORIZONTAL
SW04	140-315H	THVH472GBC 1C1P 12VDC 0.05A HORIZONTAL
SW05	140-315H	THVH472GBC 1C1P 12VDC 0.05A HORIZONTAL
SW06	140-315H	THVH472GBC 1C1P 12VDC 0.05A HORIZONTAL
SW1851	6600VM2002A	SDKEA3012A AC 250VAC 8A 1PCS 2C1P HOR
FILTER & CRYSTAL		
FB101	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP
L002	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM
L003	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM
L004	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM
L005	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM
L006	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM
L007	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
L008	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L009	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L010	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L011	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L012	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L013	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L501	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L502	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L503	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L504	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L505	6210VC0006A	FBMH3216 HM501NT 500OHM 3.2X1.6X1.6mM			
L801	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP			
L802	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP			
L830	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP			
L840	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP			
L861	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP			
L870	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP			
L880	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP			
L904	125-022K	125-022K 20OHM 3.5X6MM AXIAL TP			
T1801	6200JB8012A	6200JB8012A 12MH 32X22X36MM SQE2828S			
T1802	150-F06T	150-F06T 20MH 38X26X43MM SQE3535			
T1804	6200JB8012A	6200JB8012A 12MH 32X22X36MM SQE2828S			
T1852	150-F06T	150-F06T 20MH 38X26X43MM SQE3535			
X001	6202VDB007B	HC-49/U 20.25MHZ 30PPM 20.25MHZ 30PPM			
X500	6202VDB007A	HC-49/U 5MHZ 30PPM 5MHZ 30PPM 16pF			
MISCELLANEOUS					
F1851	0FS4001B53C	Fuse,Time Delay 0215 004. CERAMIC 250V			
JK200	6612VJH022D	Jack,RCA PPJ125D 14.0MM 5RX2C			
JK202	6612VMH002A	Jack,Scart PMJ020A 42P 21P/2C 3.81MM			
LD1051	162-002B	LED,DIP DL-13RA(MC51A,M-8.9)			
Δ P1101	174-322D	Power Cord Assembly, KJP-140/BUSH/HOU			
PA1051	6712SCA226C	Receiver Module, KSM-913LG21T			
SG904	6918VAX002B	Spark Gap,Axial SSA-102N-A1 1KV 1KV			
SK901	6620VBD001A	Socket,CRT PCS701A 9P 15.24MM			
SW	692792033AB	S/W,System Program V2.00 1034			
TH1801	6322TB070AA	Thermistor,PTC J503P63D070M290S			
TU101	6700SP0001A	Tuner/Modulator, TAUL-S210D PAL-B/G			
VD1851	164-003G	Varistor, TVR14621 620V 10% 250pF 14MM			
VD801	164-003K	Varistor, SVC621D-14A 620V 10% 600pF			
ACCESSORIES					
A1	38289U0578S	Manual, USER S&W/ME06 RU/EN 136 TX			
A2	6710V00145J	Remote Controller, MC05HA W/TXT, W/O PIP			



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