

Service
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15MF400T/37

Service Manual

Horizontal Frequency
31.5-60 kHz

TABLE OF CONTENTS

Description	Page	Description	Page
Table Of Contents.....	1	5.4 Key Board.....	25
Revision List.....	2	5.5 Audio Board.....	26
Important Safety Notice.....	3	6. ISP Instructions.....	27
1. Specification For LCD TV.....	4	7. DDC Instructions.....	33
1.1 General Specification.....	4	8. White Balance, Luminance Adjustment.....	40
1.2 Use Of Remote Control.....	5	9. Exploded View.....	42
1.3 OSD Instructions.....	6	10. Mechanical Instructions.....	43
2. Precaution And Notices.....	18	11. Spare Parts List.....	45
2.1 Assembly Precaution.....	18	12. PCB Layout.....	67
2.2 Operating Instruction.....	18	12.1 Main Board.....	67
2.3 Storage Precaution.....	18	12.2 Power Board.....	71
2.4 High Voltage Warning.....	18	12.3 IR/Key Board.....	72
3. D-Sub Pin Description.....	19	12.4 Tuner Board.....	73
3.1 D-Sub Connector.....	19	13. Block Diagram.....	76
3.2 Factory Reset Display Modes.....	20	13.1 Main Board.....	76
4. Control knobs and port Functions.....	21	13. 2 Power Board.....	77
5. Repair Flow Chart.....	22	14. Schematic Diagram.....	78
5.1 Main Board.....	22	14.1 Main Board.....	81
5.2 Tuner Board.....	24	14.2 Power Board.....	86
5.3 Remote Control.....	25	14.3 Tuner Board.....	88
		15. The Panel Source Identifies From SN.....	93

SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

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[illegible]

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all Philips Company Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

Hereafter throughout this manual, Philips Company will be referred to as Philips.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design.

Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:

DANGER-Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.

CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.

Take care during handling the LCD module with backlight unit

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body is grounded through wristband.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

1. Specification for LCD TV

1.1 General Specifications

	Item	Specification
LCD Panel	Screen Size	15"
	Panel Type	SVA150XG04TB
		CPT CLAA150XP01 F
	Aspect Ratio	4:3
	Resolution	1024x768
	Brightness	250cd/m ² (typ.)
	Contrast Ratio	400:1 (For SVA panel)
		500:1 (For CPT panel)
	Response Time	16ms
	Viewing Angle (CR≥10)	Left/right = 60°/60°, Up/down = 40°/60° (For SVA panel)
		Left/right = -70°/70°, Up/down = -60°/65° (For CPT panel)
	Display Colors	16.7M (For SVA panel)
		16.2M (For CPT panel)
TV Function	TV Tuner	NTSC M
	Color System	NTSC
	Sound System	MTS + SAP
	Closed-Caption & V-chip	Yes
Video Input	Composite	X1
	S-Video	X1
	Closed-Caption & V-chip	Yes
	Color System	NTSC/PAL
PC Input	Signal Input	Analog
	Horizontal Frequency (kHz)	31.5~60
	Vertical Frequency (Hz)	56~75
	Max. Resolution	1024x768 @ 75Hz
	Recommended Resolution	1024x768 @ 60Hz
Audio Output	Built-in Speakers	2 x 2W (L/R)
	Headphone Output	Yes (3.5mmφ)
Power	Power Supply	+12V DC Input
	Adapter	100-240V AC, 50/60Hz
	Power Consumption (Max.)	Power on <50W, Off mode <2W
Video Feature	De-interlacer	2D de-interlacer
	Comb Filter	Adaptive 4H Y/C Separation
	3-2 Pull Down Recovery	Yes
Other Features	Wall Mount	VESA 100mm x 100mm
	Multi-Function Remote/ Sleep Timer	Yes
	Tilt Angle (front/back)	5°/15°
	OSD language	English/French (Canadian type)/Spanish
Dimension	With Stand (W x D x H)	371.6mm x 346 mm x 147.5mm
	Without Stand (W x D x H)	371.6mm x 324mm x 47.5mm
	Carton (W x D x H))	434mm x 407mm x 192mm
Weight	Net, kg	3.5kg
	Loose, including package	5.0kg
Accessory	Remote controller, Batteriesx2, AC Power adapter, QSG, power cord, User manual<English/French (Canadian type)>(Including Limited Warranty <English only>)	

1.2. Use Of Remote Control

POWER:

Press to turn on/off the TV. The TV is never completely powered off unless it is physically unplugged.

CH

Press Δ OR ∇ ($\blacktriangle$ or $\blacktriangledown$) to browse through the TV channels, which are not erased. To view a blocked channel, use the digital buttons to access, the channel and enter your access code.

VOL

Press + or – to adjust the volume.

PC

Select your input source to PC.

PRE-CH

To display the previously selected TV channel.

SLEEP

With this key you can set a time period after which the TV should switch itself to standby. Press the key repeatedly to select the number of minutes number of minutes. The counter runs from 30,60,90,120 minutes.

V-CHIP

Press this button to setup parental control.

PIP/POP

Not Supported.

DISPLAY

Press this button to Display Channel number on the right-top corner.

MUTE

Temporarily interrupt the sound or restore it.

0-9/100 Digit buttons

To select a TV channel.

MENU

Press repeatedly to display main menu Or display OSD menu.

TV/VIDEO

Select your input source: press repeatedly to select **TV, AV, S-VIDEO**

MTS /SAP

Press this key to activate Multi-channel Television Sound, Stereo or Mono.

CAPTION

Press this button to turn **Closed Caption** on. Be sure you have selected Caption On in the Setup menu.

SIZE/SWAP

Not Supported.



1.3. OSD Instructions

OSD Setting

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "OSD SETUP" option
3. Press ^ or v key to select submenu

OSD Setup



Remote Control



Language

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "OSD SETUP" option
3. Press ^ or v key to select "Language" option
4. Press > or < key to select language, there are three kinds of language to select: English、French、 and Spanish
5. After adjustment, press "MENU" key to exit or press ^ or v key to adjust other options

H_Position

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "OSD SETUP" option
3. Press ^ or v key to select "H Position" option
4. Press > or < key to adjust OSD horizontal position
5. After adjustment, press "MENU" key to exit or press ^ or v key to adjust other options

V_Position

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "OSD SETUP" option
3. Press ^ or v key to select "V Position" option
4. Press > or < key to adjust OSD vertical position
5. After adjustment, press "MENU" key to exit or press ^ or v key to adjust other options

Time-out

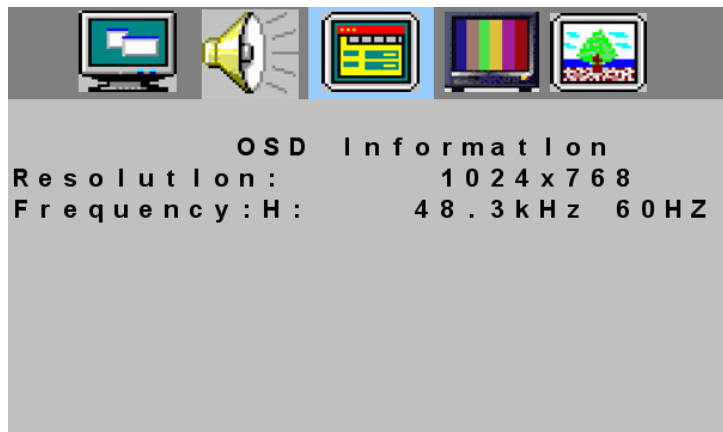
1. Press "MENU" key to open OSD menu
2. Press > or < key to select "OSD SETUP" option
3. Press ^ or v key to select "Time out " option
4. Press > or < key to adjust OSD display time
5. After adjustment, press "MENU" key to exit or press ^ or v key to adjust other options

Background

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "OSD SETUP" option
3. Press ^ or v key to select "Background" option
4. Press > or < key to adjust OSD background
5. After adjustment, press "MENU" key to exit or press ^ or v key to adjust other options

Information: This option can only be operated on PC signal source

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "OSD SETUP" option
3. Press ^ or v key to select "Information" option
4. Press > or < key then the screen will display the current input information
5. Press "MENU" key to exit information menu



Video Recorder

How to connect

1. Connect the antenna to VCR RF input
2. Connect the other RF cable from VCR output to TV input, if you connect the VCR video frequency to TV's AV input connector, you will get the better quality of video and audio
3. TV's AV input does not provide audio frequency, so you need to connect VCR audio frequency output to TV's audio frequency input
If your VCR is equipped with S-VHS video port:
For improved picture quality, connect a S-Video cable with the S-VIDEO input on the TV instead of connecting the VCR to the VIDEO port.
S-Video does not provide audio, audio cables must still be connected to provide sound

Watching VCR

1. If you use TV connection, select the TV channel search.
2. If you use AV connection, select AV
3. If you use S-Video connection. Select s-video
4. Insert videotape in the VCR and press the PLAY button

Camera /Camcorder/ Video Game Set

1. Connect the video output port of Camera /Camcorder/ Video Game Set to the AV input of TV
2. Connect the left and right audio channels of Camera /Camcorder/ Video Game Set to the left and right channels of audio input of TV

If your Camera /Camcorder/ Video Game Set are equipped with S-VHS video port:

For better quality picture, please connect the S-Video cable to the S-Video input of TV. Connect the left and right channels of Camera /Camcorder/ Video Game Set to the left and right channels of audio input of TV

How to play

If you use AV connection, please select AV;

If you use S-Video connection, please select S-VIDEO;

DVD Player

1. Connect the video output port of DVD player to the AV input port of TV
2. Connect the left and right audio channels of DVD to the left and right channels of audio input of TV

If your DVD player is equipped with S-VHS video port:

For better quality picture, please connect the S-Video cable to the S-Video input of TV. Connect the left and right channels of DVD to the left and right channels of audio input of TV

How to play

If you use AV connection, please select AV;

If you use S-Video connection, please select S-VIDEO;

Digital Set Top Box

How to connect

1. Connect the video output port of Digital Set Top Box to the AV input of TV
2. Connect the left and right audio channels of Digital Set Top Box to the left and right channels of audio input of TV

How to use

1. Select AV.
2. Turn on the DTV Set Top Box set.

Warning: In case you notice scrolling images, wrong colors or no color, no picture or even combinations of these, on your screen, check if the connections are done in the right way. Check if the cable colors match with the Input connector colors.

TV Setup Menu

Note: Air/Cable, Auto Scan, Current Program, Sleep Time option can only display on TV Source

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "TV SETUP" option
3. Press ^ or v to select submenu



TV Channel Installation

AIR/CATV

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "TV SETUP" option
3. Press ^ or v key to select "AIR/CATV" option
4. Press > or < key to select the automatic search system that your TV need, there are four options: CATV, AIR, HRC, IRC.
5. Press "MENU" key to exit AIR/CATV menu or press ^ or v key to adjust other options

Auto scans

Channel auto search and memorize all viewable channel.

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "TV SETUP" option
3. Press ^ or v key to select "Auto scan" option
4. Press > or < key to select auto search.

Note: During the search, if you want to exit, you can press the "MENU" key, other keys are not of function, except the "MENU" key.

Channel Edit

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "TV SETUP" option
3. Press ^ or v key to select "Add/Erase" option
4. Press > or < key to select Add or Erase.
5. Press "MENU" key to exit Add/Erase menu or press ^ or v key to adjust other options

Current Program

Current program is the channel set by the current TV, you can press "display" key to display the current channel on the top right of the screen.



1. Press "MENU" key to open OSD menu
2. Press > or < key to select "TV SETUP" option
3. Press ^ or v key to select "Current program" option
4. Press > or < key to select the channel.
5. Press "MENU" key to exit Current Program menu or press ^ or v key to adjust other options

You can also press the digital keys 0-9/100 or channel ^ or v on the remote control to select channel

Sleep Time

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "TV SETUP" option
3. Press ^ or v key to select "Sleep Time" option
4. Press > or < key to select the sleep time that you need to set, you can select 30/60/90/120 minutes sleep time.
5. Press "MENU" key to exit sleep time menu or press ^ or v key to adjust other options

You can also press, "SLEEP" on the remote control, the sleep time will display on the top right of the screen.

Channel Lock

Closed Caption

1. Press "MENU" key to open OSD menu
2. Press > or < key to select "TV SETUP" option
3. Press ^ or v key to select "Closed caption" option
4. Press > or < key to set CC1~CC4 and TT1 and TT4.
5. Press "MENU" key to exit Closed Caption menu or press ^ or v key to adjust other options

You can also press "Caption" on the remote control, enter Closed Caption menu directly, then press step 4 to adjust.



Caption Mode: CC1~CC4

Dialogue (and descriptions) for the action on the captioned TV program shows on screen.

Text Mode: TT1~TT4

Often used for channel guide, schedules, bulletin board information for Closed Caption programs, news, weather information or stock marker reports.

Not all Closed Caption modes are necessarily being use by a TV channel during the transmission of a Closed Caption program.

V-Chip

It is the parental control function (V-chip). It is used to block program viewing based on the ratings by the broadcaster. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen be blocked. It is also possible to block all program viewing for a time period.

1. Press "MENU" key to open OSD menu
 2. Press > or < key to select "TV SETUP" option
 3. Press ^ or v key to select "V _Chip" option
 4. Press > or < key to enter V _Chip password validation menu.
- You can press V-CHIP key on the remote control to enter the menu directly.



Press digital keys on the remote control; enter the password to go into V-CHIP control menu (Default password is :0000), if your password is error, then the screen will display "PIN ERROR".



1. After enter the V-CHIP menu, press $\wedge$ or $\vee$ key to select, if you want to set V-CHIP, you need to set the "status" on the condition of "ON".



- ①. Press $>$ or $<$ key to select "Status" option
- ②. Press $>$ or $<$ key to select "ON" or "OFF"

6. TV Guideline Setting

- ①. Press $\wedge$ or $\vee$ key to select "TV Guideline" option
- ②. Press $>$ or $<$ key to enter "TV Guideline" menu
- ③. Press $\wedge$ or $\vee$ key to select block item.
- ④. Press $>$ or $<$ key to select U or B, selecting U means "Unlock", selecting B means "Block".
- ⑤. If the setting is OK, press "MENU" key to exit TV-Guideline menu.



7. Movie Guideline Setting

- ①. Press $\wedge$ or $\vee$ key to select "Movie Guideline" option.
- ②. Press $>$ or $<$ key to enter Movie Guideline menu.
- ③. Press $\wedge$ or $\vee$ key to select block item.
- ④. Press $>$ or $<$ key to select U or B, selecting U means "Unlock", selecting B means "Block".
- ⑤. If the setting is OK, press "MENU" key to exit Movie Guideline menu.



8.Change PIN

- ① Press $\wedge$ or $\vee$ key to select "Change PIN" option
- ② Press $>$ or $<$ key to enter Change PIN menu.
- ③ Press digital keys on the remote control , then enter the new password.



- ④ Enter the new password again , if the setting is OK, the display information as below, then it will exit the Change PIN menu automatically.



Reset to Default

1. Press "MENU" key to open OSD menu.
2. Press $>$ or $<$ key to select any Setup options
3. Press $\wedge$ or $\vee$ key to select "Reset to Default" option.
4. Press $>$ or $<$ key to reset.

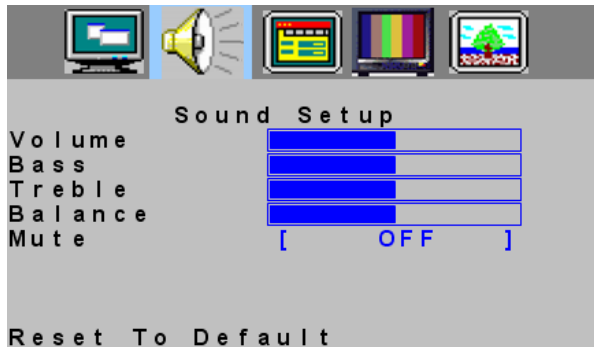
Reset to Default is convenient for all settings in the user OSD to recall to factory default data.

Note: The reset to default function in each function item is the same under the signal source of AV/TV/S-VIDEO.

When we select the Reset to Default in each function item under the PC signal source, it not only recalls all data to default data, but also have an adjustment automatically.

Sound Set Up Menu

1. Press "MENU" key to open OSD menu.
2. Press $>$ or $<$ key to select "Audio Setup" option
3. Press $\wedge$ or $\vee$ key to select submenu.



Volume

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Sound Setup" option.
3. Press ^ or v key to select "Volume" option
4. Press > or < key to adjust Volume data.
You can also press Volume ^ or v key and > or < key on the remote control to adjust volume.
5. Press "MENU" to exit or press ^ or v key to adjust others

Bass

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Sound Setup" option
3. Press ^ or v key to select "Bass" option.
4. Press > or < key to adjust Bass data.
5. Press "MENU" to exit or press ^ or v key to adjust others.

Treble

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Sound Setup" option
3. Press ^ or v key to select "Treble" option.
4. Press > or < key to adjust Treble data.
5. Press "MENU" to exit or press ^ or v key to adjust others.

Balance

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Sound Setup" option
3. Press ^ or v key to adjust "Balance" option.
4. Press > or < key to adjust "Balance" data.
5. Press "MENU" to exit or press ^ or v key to adjust others.

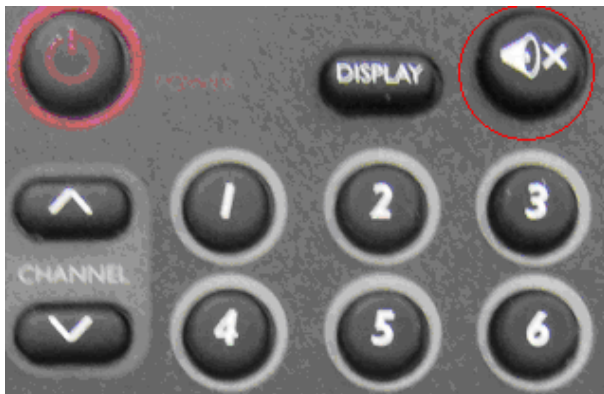
Mute

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Sound Setup" option
3. Press ^ or v key to select "Mute" option.
4. Press > or < key to select ON/OFF.

You can also press  key on remote control to select mute, after the selection you can adjust the volume or

press  to cancel the mute

5. Press "MENU" to exit or press ^ or v key to adjust others.



Picture Set Up Menu

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select submenu.

Note: Picture Setup menu can only be selected under the signal source of AV/TV/S-VIDEO.



Brightness

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Picture Setup" option
3. Press ^ or v key to select "Brightness" option.
4. Press > or < key to adjust Brightness data.
5. Press "MENU" to exit or press ^ or v key to adjust others

Contrast

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Picture Setup" option
3. Press ^ or v key to select "Contrast" option.
4. Press > or < key to adjust Contrast data.
5. Press "MENU" to exit or press ^ or v key to adjust others

Hue

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Picture Setup" option
3. Press ^ or v key to select "Hue" option.
4. Press > or < key to adjust Hue data.
5. Press "MENU" to exit or press key to adjust others.

Saturation

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Picture Setup" option
3. Press ^ or v key to select "Saturation" option.
4. Press > or < key to adjust Saturation data.
5. Press "MENU" to exit or press ^ or v key to adjust others.

Sharpness

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Picture Setup" option
3. Press ^ or v key to select "Sharpness" option.
4. Press > or < key to adjust sharpness data.
5. Press "MENU" to exit or Press key to adjust others.

Color Tone

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Picture Setup" option
3. Press ^ or v key to select "Color Tone" option.
4. Press > or < key to select warm or cool color
5. Press "MENU" to exit or press ^ or v key to adjust others.

Black Level

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Picture Setup" option
3. Press ^ or v key to select "Black Level" option.
4. Press > or < key to adjust Black level data.
5. Press "MENU" to exit or press ^ or v key to adjust others.

PC Set Up Menu

1. Press "MENU" key to open OSD menu.
 2. Press > or < key to select "Pc" option
 3. Press ^ or v key to select submenu
- Note: Pc Setup menu can only be selected under the PC signal source

**Brightness**

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select "Brightness" option.
4. Press > or < key to adjust Brightness data.
5. Press "MENU" to exit or Press ^ or v key to adjust others.

Contrast

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select "Contrast" option.
4. Press > or < key to adjust contrast data.
5. Press "MENU" to exit or Press ^ or v key to adjust others.

H_Position

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select "H_Position" option.
4. Press > or < key to adjust H_Position data.
5. Press "MENU" to exit or press ^ or v key to adjust others.

V_ Position

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select "V_ Position" option.
4. Press > or < key to adjust "V_ Position" data
5. Press "MENU" to exit or press ^ or v key to adjust others.

Clock

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select "Clock" option.
4. Press > or < key to adjust Clock data
5. Press "MENU" to exit or press ^ or v key to adjust others.

Phase

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select "Phase" option.
4. Press > or < key to adjust Phase data
5. Press "MENU" to exit or press ^ or v key to adjust others.

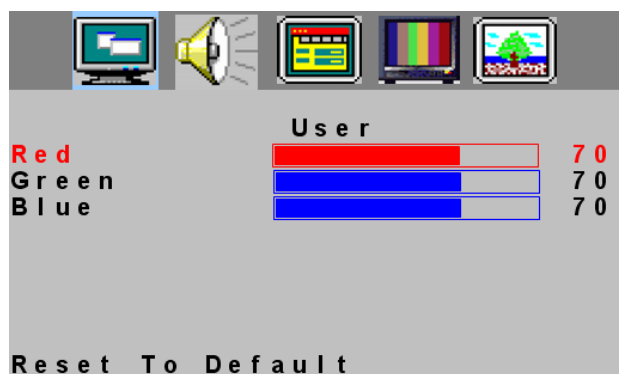
Auto Adjustment

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select "Auto Adjustment" option.
4. Press > or < key to conduct Auto Adjustment, then PC will adjust automatically, if the adjustment is OK, it will exit OSD menu automatically

A t t e n t i o n
P C S E T U P
P l e a s e W a I t

Color

1. Press "MENU" key to open OSD menu.
2. Press > or < key to select "Pc Setup" option
3. Press ^ or v key to select "Color" option.
4. Press > or < key to select Color
If you choose Color as User, you can adjust R/G/B according to your need
 - ①. Press "MENU" key to enter User Color menu.
 - ②. Press ^ or v key to select Red/Green/Blue option.
 - ③. Press > or < key to adjust Red/Green/Blue data
 - ④. Press MENU TO exit to Color menu
5. Press ^ or v key to select other adjustment items, then press MENU to exit



Tips

Care of the screen

Do not rub or strike the screen with anything hard as this may scratch, mar, or damage the screen permanently. Unplug the screen before cleaning the screen. Dust the TV by wiping the screen and the cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid cleaners or aerosol cleaners.

Mobile telephone warning

To avoid disturbances in picture and sound, malfunctioning of your TV or even damage to the TV, keep away your mobile telephone from the TV.

End of life directives

We are paying a lot of attention to produce environmentally friendly in green focal areas. Your new receiver contains materials that can be recycled and reused.

At the end of its life specialized companies can dismantle the discarded receiver to concentrate the reusable materials and to minimize the amount of materials to be disposed of.

Please ensure you dispose of your old receiver according to local regulations.

2. Precaution And Notices

2.1. Assembly Precaution

- (1) Please do not press or scratch LCD panel surface with anything hard. And do not soil LCD panel surface by touching with bare hands (Polarize film, surface of LCD panel is easy to be flawed)
In the LCD panel, the gap between two glass plates is kept perfectly even to maintain display characteristic and reliability. If this panel is subject to hard pressing, the following occurs:
 - (a) Uniform color
 - (b) Orientation of liquid crystal becomes disorder
- (2) Please wipe out LCD panel surface with absorbent cotton or soft cloth in case of it being soiled.
- (3) Please wipe out drops of adhesive like saliva and water in LCD panel surface immediately.
They might damage to cause panel surface variation and color change.
- (4) Do not apply any strong mechanical shock to the LCD panel.

2.2. Operating Precaution

- (1) Please be sure to unplug the power cord before remove the back-cover. (Be sure the power is turn-off)
- (2) Please do not change variable resistance settings in MAIN-BOARD; they are adjusted to the most suitable value. If they are changed, it might happen LUMINANCE does not satisfy the white balance spec.
- (3) Please consider that LCD backlight takes longer time to become stable of radiation characteristic in low temperature than in room temperature.
- (4) Please pay attention to displaying the same pattern for very long-time. Image might stick on LCD.

2.3. Storage Precaution

- (1) When you store LCD for a long time, it is recommended to keep the temperature between 0°C -40°C without the exposure of sunlight and to keep the humidity less than 85% RH.
- (2) Please do not leave the LCD in the environment of high humidity and high temperature such as 60°C, 85%RH.
- (3) Please do not leave the LCD in the environment of low temperature; below -25°C.

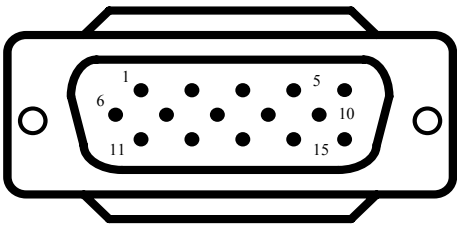
2.4. High Voltage Warning

The high voltage was only generated by INVERTER module on Power Board, if carelessly contacted the transformer on this module, can cause a serious shock. (The lamp voltage after stable around 600V, with lamp current around 8mA, and the lamp starting voltage was around 1500V, at Ta=25°C)

3. D-SUB Pin Descriptions
3.1 D-SUB Connector

This procedure gives you instructions for installing and using the LCD TV display.

- 1. Position the display on the desired operation and plug the power cord into a convenient AC outlet.
Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduct ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.
- 2. Connect the 15-pin color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



15 - Pin Color Display Signal Cable

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	Red Video	9.	VGA_5V
2.	Green Video	10.	Sync Ground
3.	Blue Video	11.	RS-232 RX
4.	RS-232 TX	12.	Serial Data for DDC
5.	GND	13.	Horiz. Sync
6.	Ground-R	14.	Vert. Sync
7.	Ground-G	15.	Serial Clock for DDC
8.	Ground-B		

- 3. S-Video (Y / C) : TV rear side : 4 pin Mini-DIN female
TV: TV rear side : IEC type female
Video: TV rear side : RCA female (Yellow)
Audio: TV rear side : RCA female (Red / White)

Audio Input for AV,S-Video, RCA female (Red / White)
Headphone 3.5mm female

- 4. Apply power to the display by turning the power switch to the "ON" position and allow about ten seconds for Panel warm-up. The Power-On indicator lights "GREEN" when the display is on.
- 5. With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display, or press auto-adjust to get the best picture-quality.
- 6. This TV (with PC function) has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.
- 7. If your TV requires service, it must be returned with the power cord.

3.2. Factory Preset Display Modes

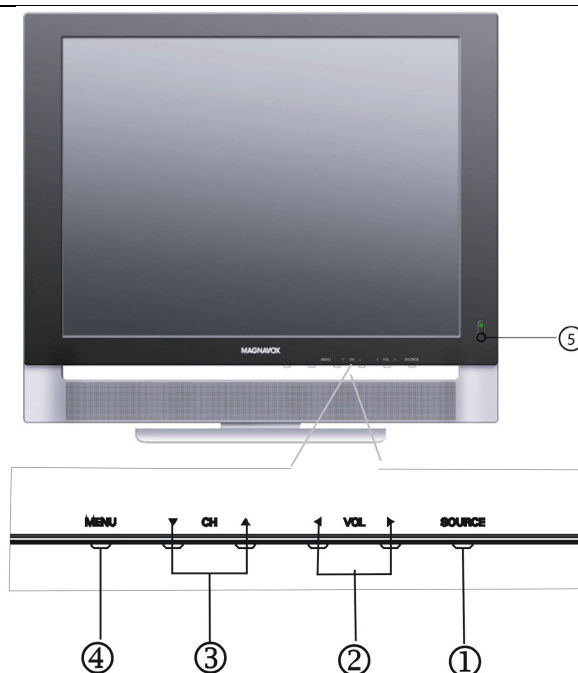
Analog RGB Signal Timing

VESA MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	Nominal Pixel Clock (MHz)
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.500	N	75.00	N	31.500
SVGA	800x600@56Hz	1024 x 625	35.156	N/P	56.250	N/P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.077	P	72.188	P	50.000
	800x600@75Hz	1056x625	46.875	P	75.000	P	49.500
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
IBM MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	Nominal Pixel Clock (MHz)
DOS	720x400@70Hz	900 x 449	31.469	N	70.087	P	28.322
DOS	640x350@70Hz	800 x 449	31.469	P	70.087	N	25.175
GA	1024x768@72Hz	1304x798	57.515	P	72.100	P	75.000
MAC MODES							
VGA	640x480@67Hz	864x525	35.000	N	66.667	N	30.240
XGA	1024x768@75Hz	1328x804	60.241	N	74.927	N	80.000

4. Control knobs and port Functions

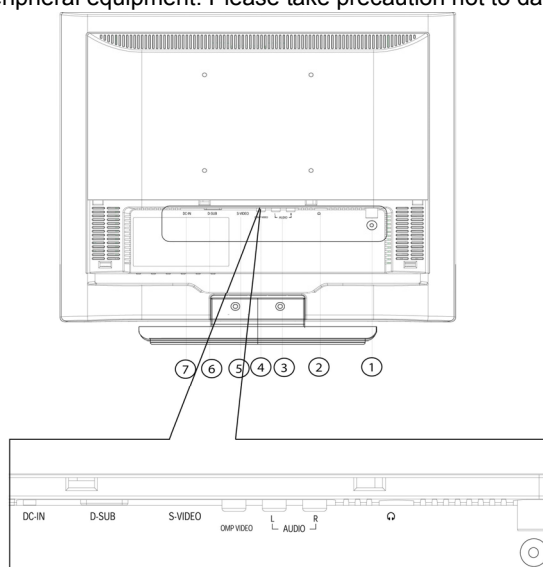
Front Panel Control Knobs

①	Source Key	Press to select your input source.
②	> or < Key	Press to confirm your function selection and adjust the volume
③	^ or v Key	Press to perform your function selection and adjust TV channel
④	MENU Key	Press to show the OSD menu and exit OSD menu at the TV.
⑤	Power Key	Press to turn on or off the TV.



■ Preparation

Remove the back plate at the back of the TV as shown on the illustration opposite. Lay the LCD TV with the screen down on a table, as it will be easier to connect your peripheral equipment. Please take precaution not to damage the screen.

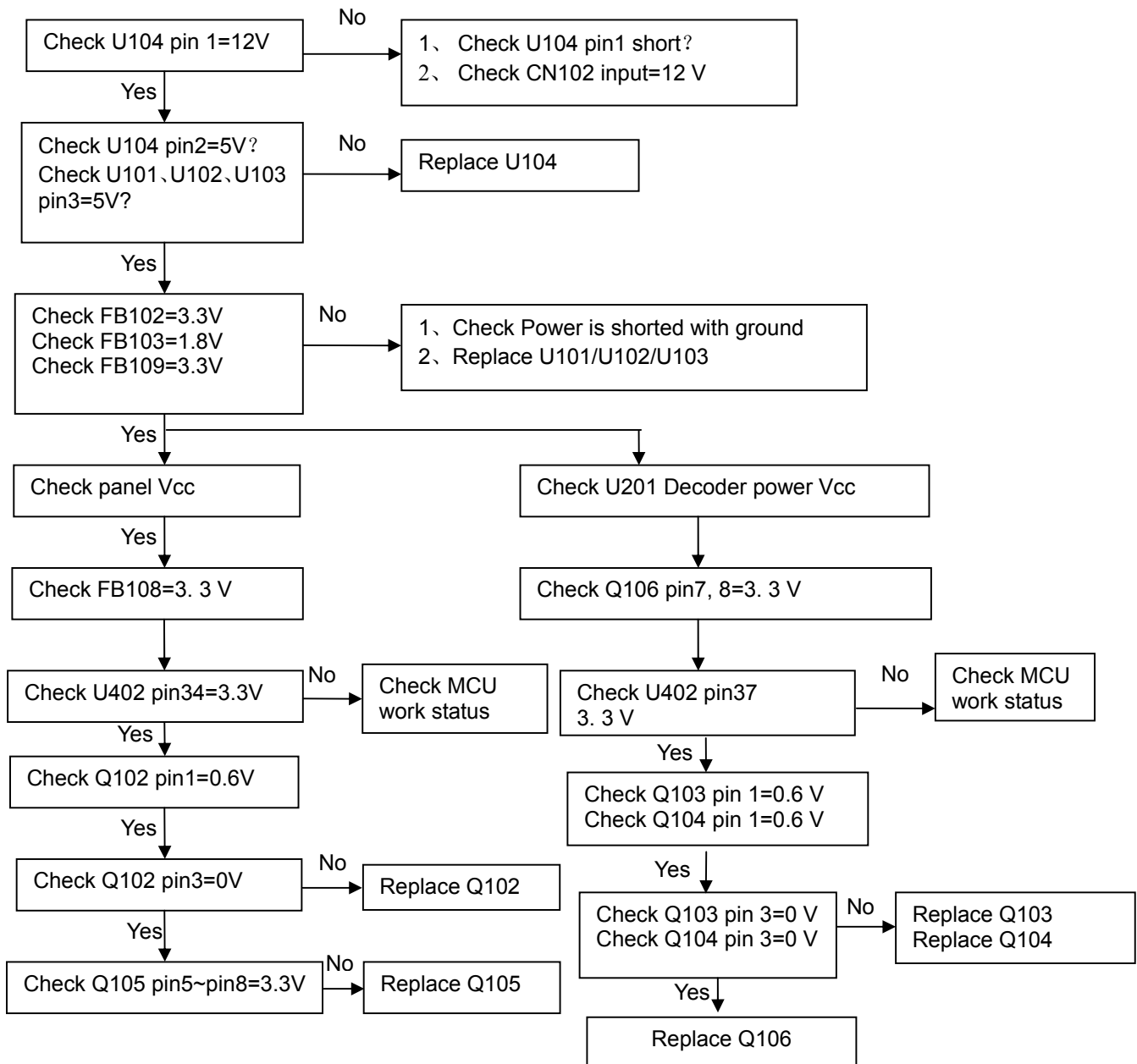


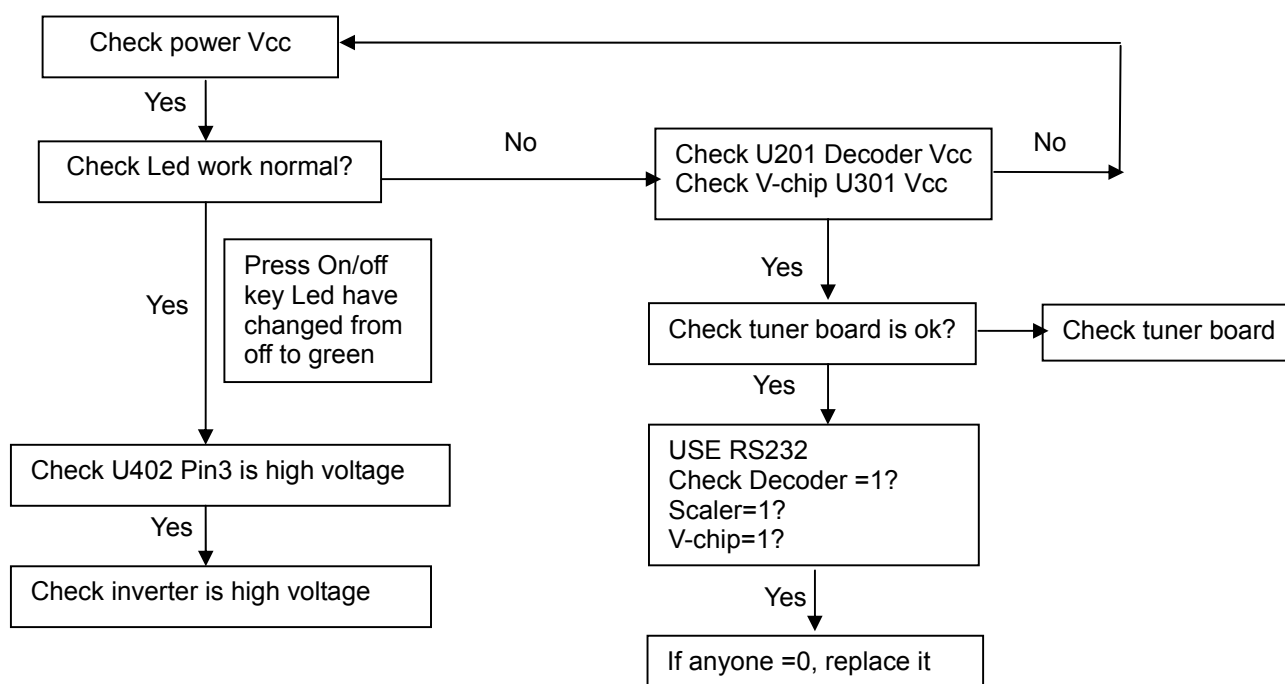
①		TV input
②		Earphone jack
③	Audio R/L	Audio Right /Left Channel input
④	COMP VIDEO	AV Input
⑤	S-VIDEO	S-VIDEO Input
⑥	D-SUB	PC Input
⑦	DC IN	12V DC Power Input

5.Repair Flow Chart

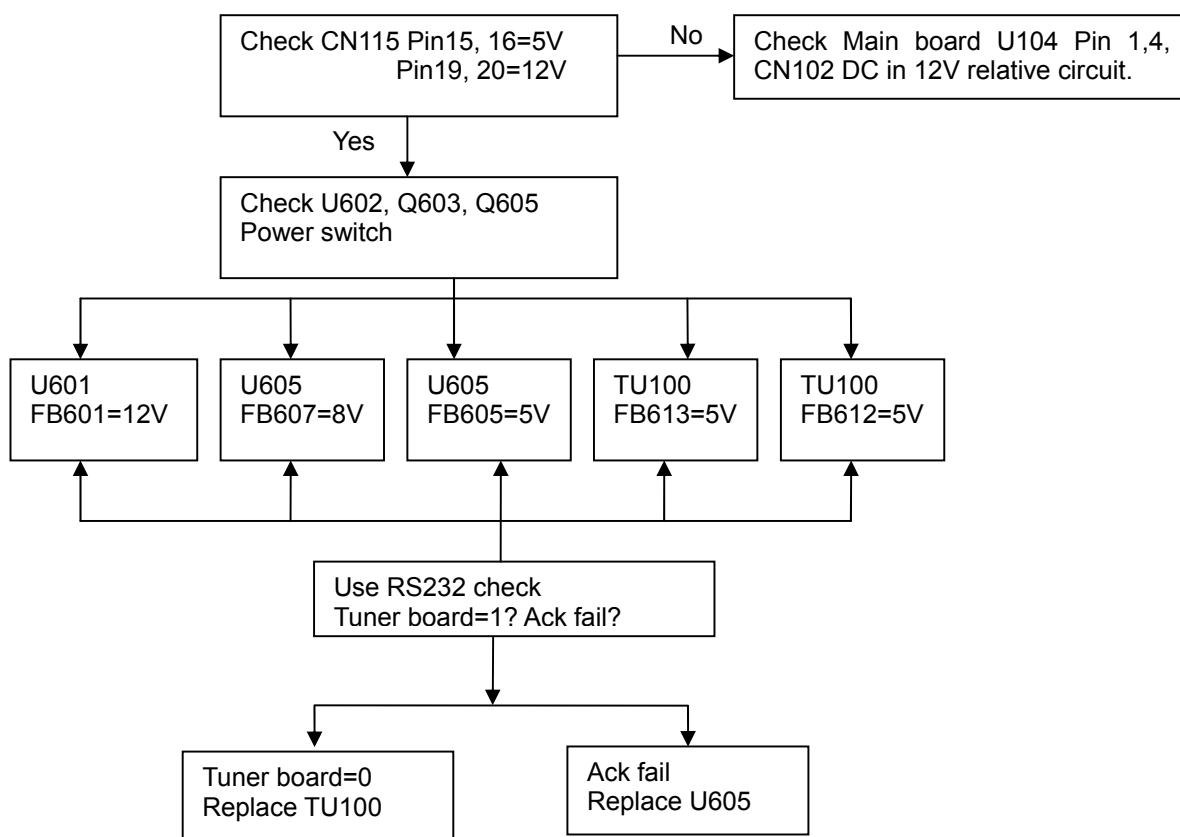
5.1. Main board

No Screen

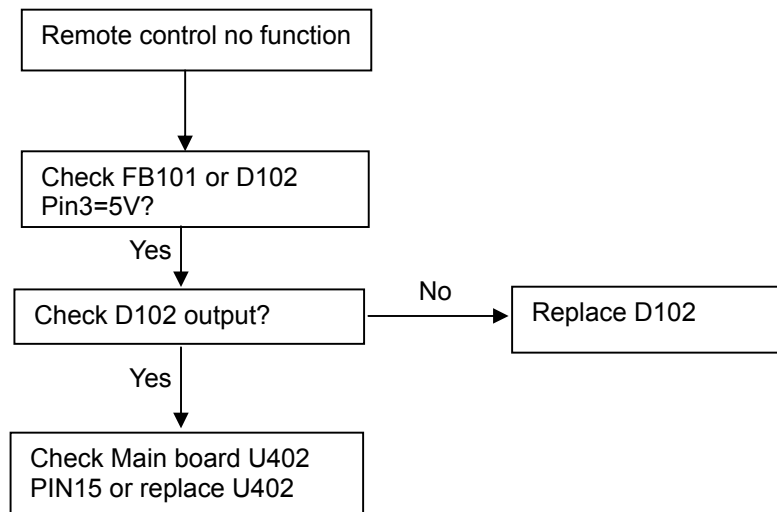




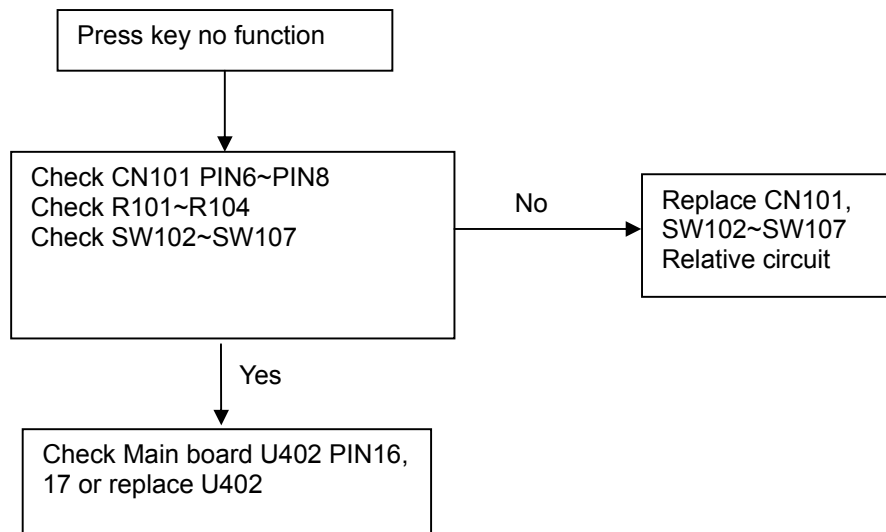
5.2. Tuner board



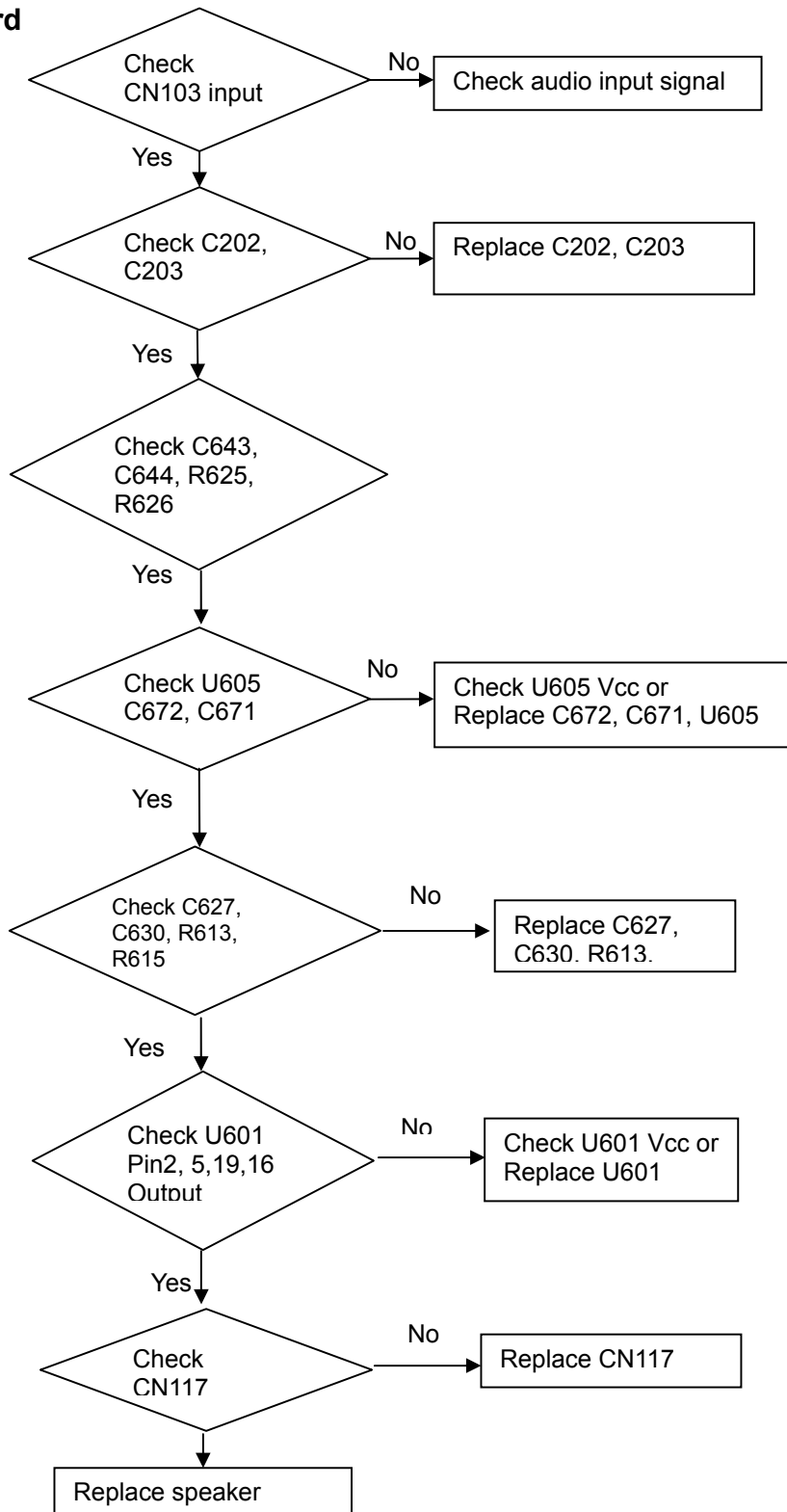
5.3. Remote control



5.4. Key Board

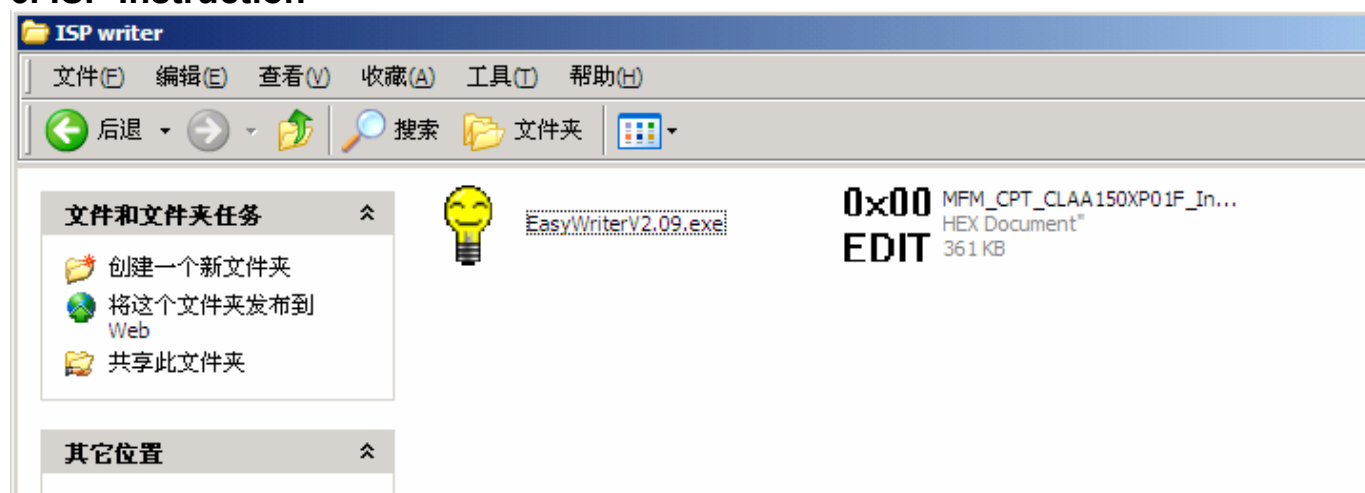


5.5. Audio Board



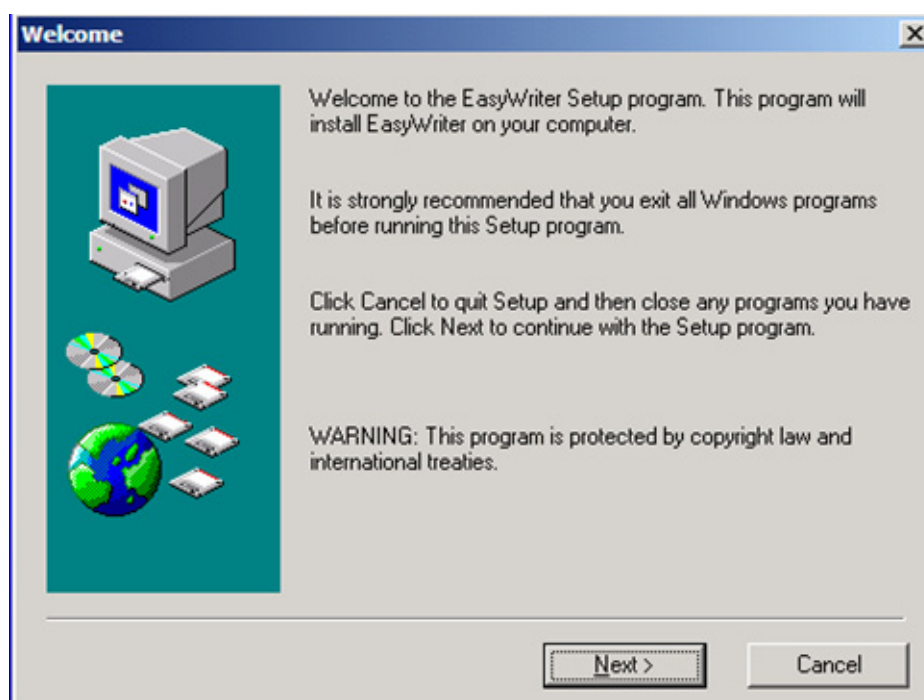
Note: 1. If Replace "MAIN-BOARD", Please re-do "DDC-content" programmed & "WHITE-Balance".
 2. If Replace "POWER-BOARD INVERTER" only, Please re-do "WHITE-Balance"

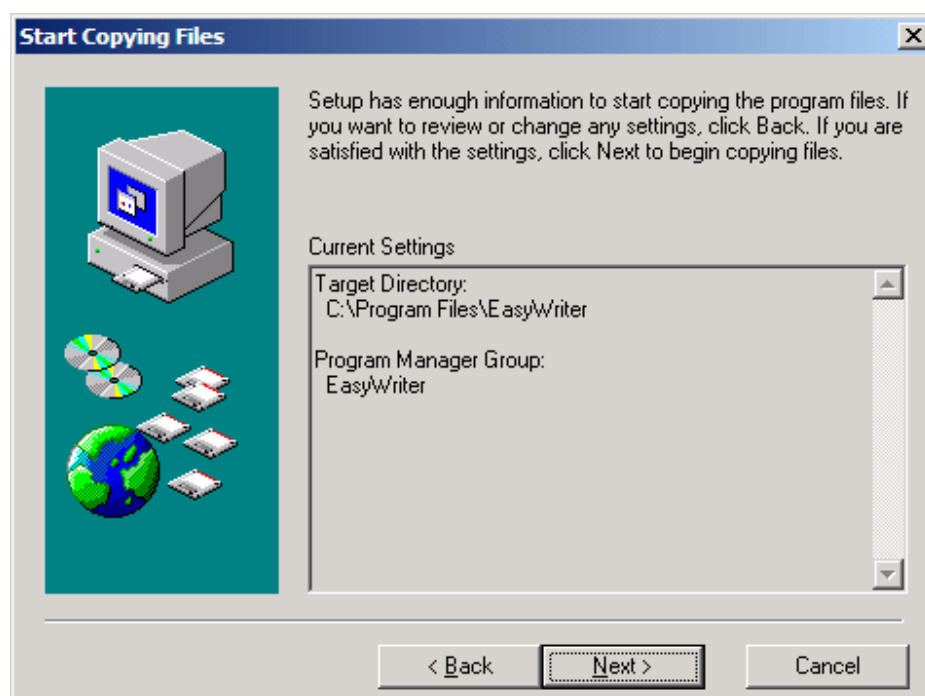
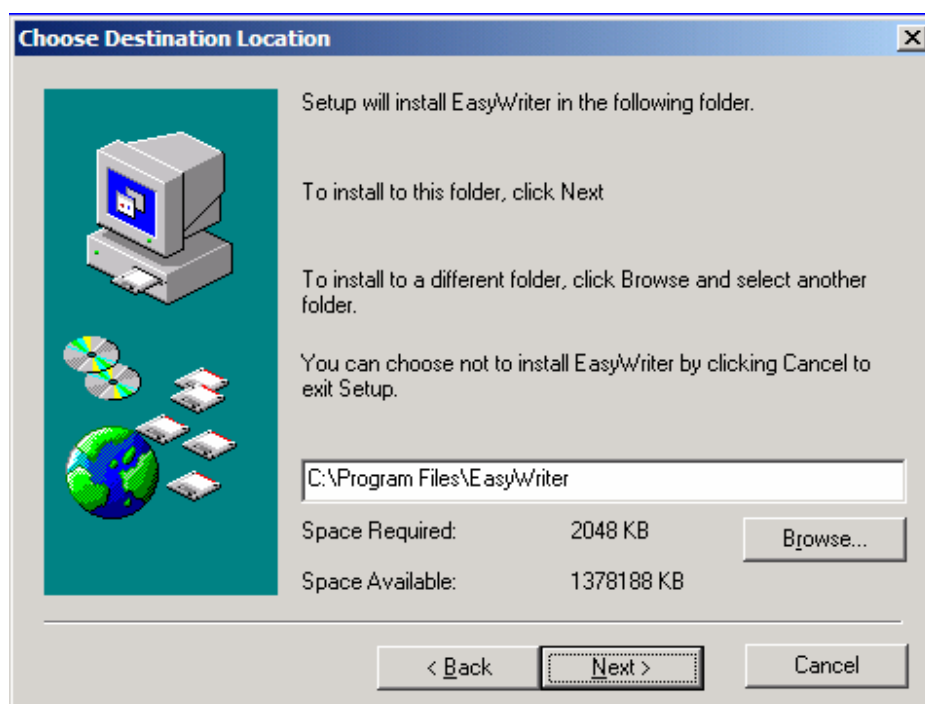
6. ISP Instruction

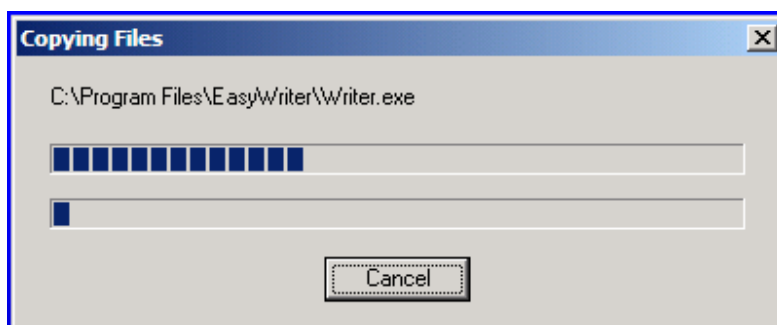


(1). Install the writer software

a. Double - click EasyWriterV2.09.exe , start to install as follows:

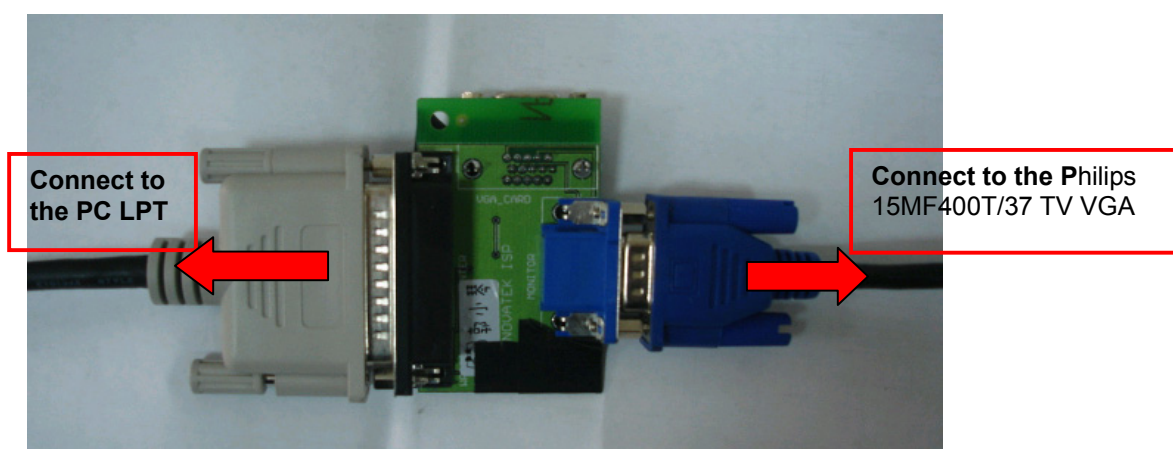




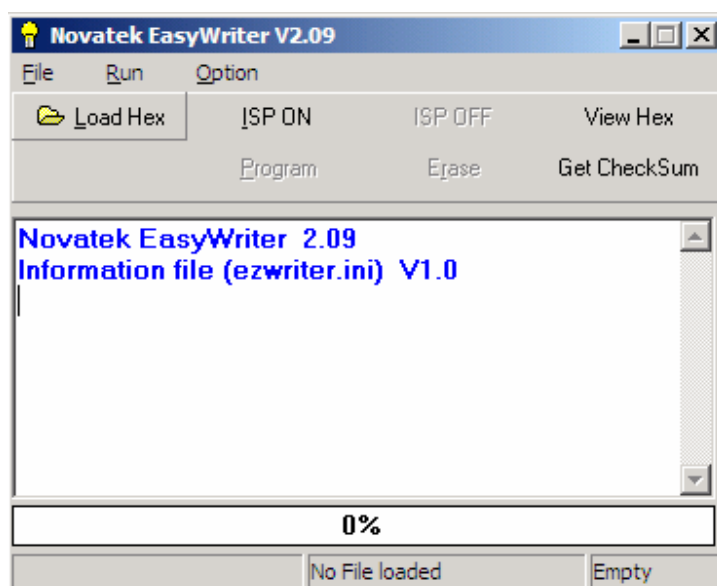


b. There will be a shortcut key  appears on the desktop.

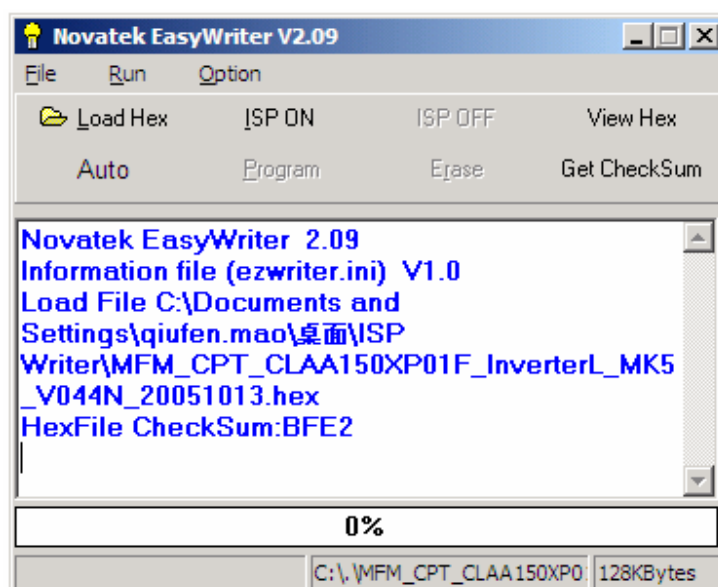
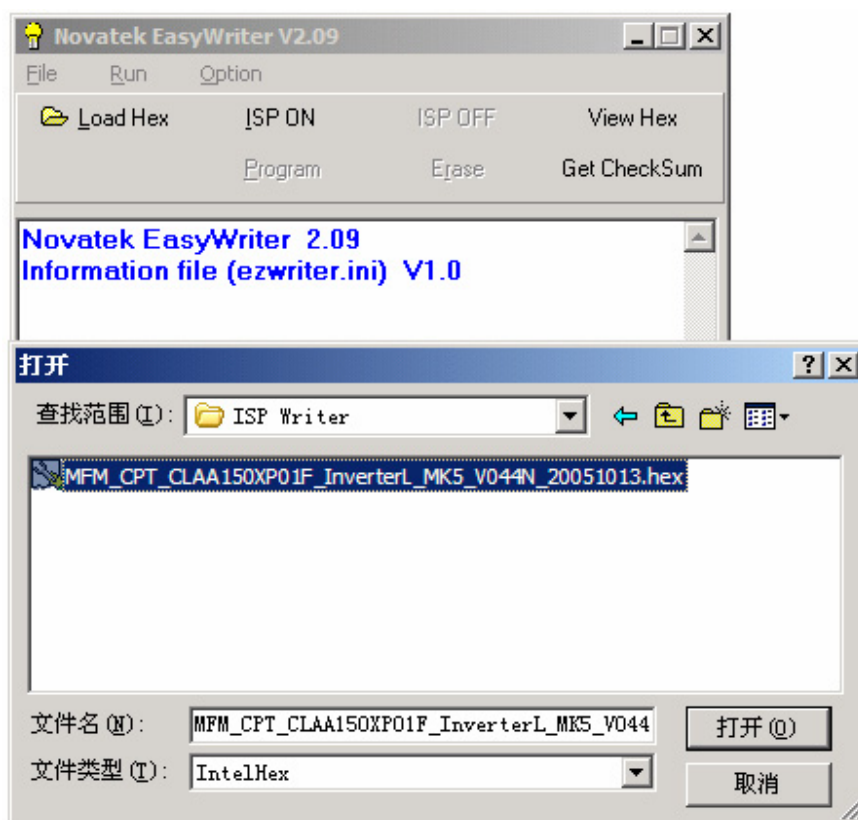
(2). Connect the ISP board as follow:



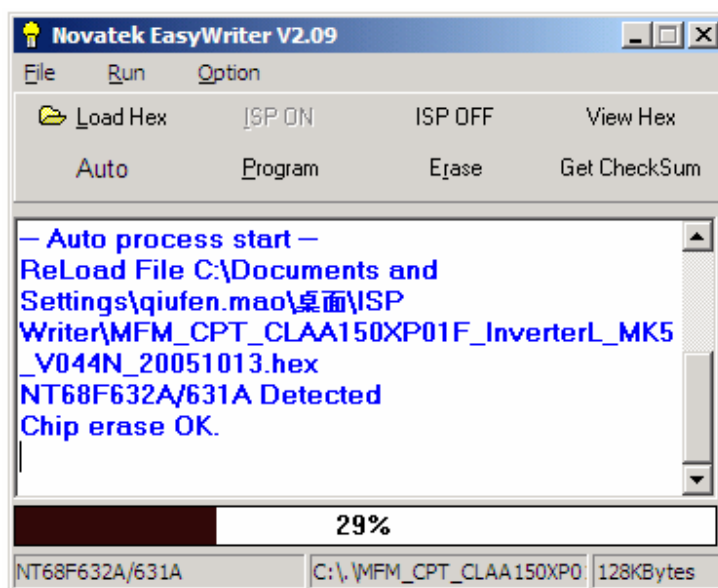
a. Double-click , running the program as follows:



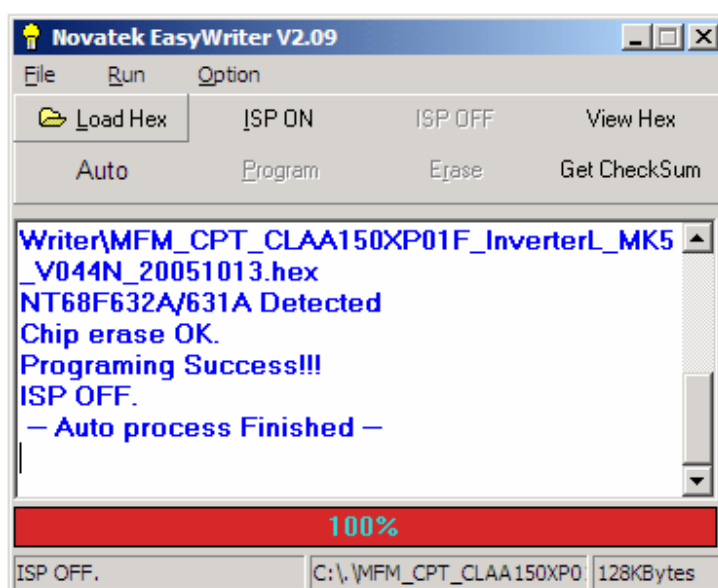
- b. Open  Load Hex icon, search the program  MFM_CPT_CLAA150XP01F_InverterL_MK5_V044N_20051013.hex , and click open:



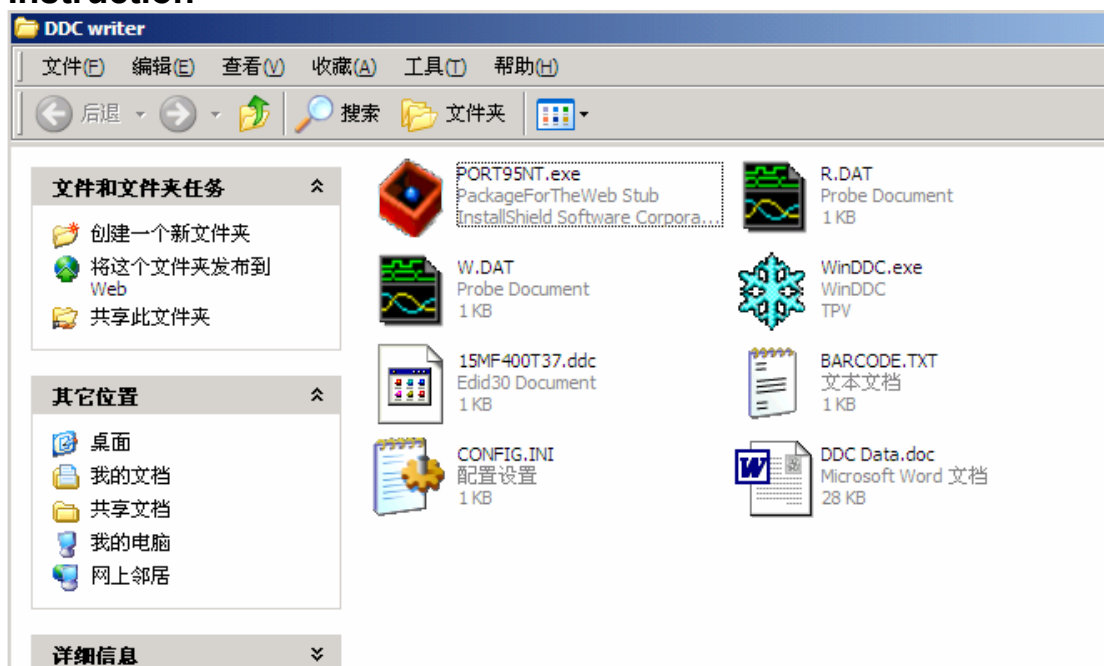
- c. Click  Auto icon, the writer is in processing...



d. Until appears the follow Fig, writer completed.

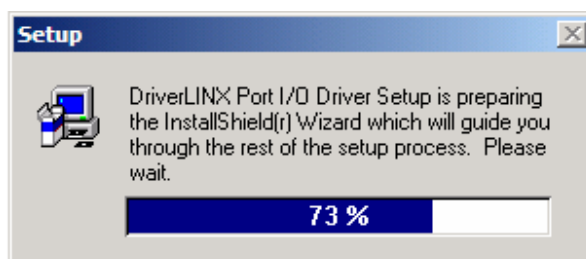


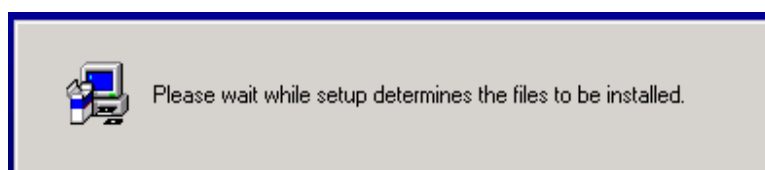
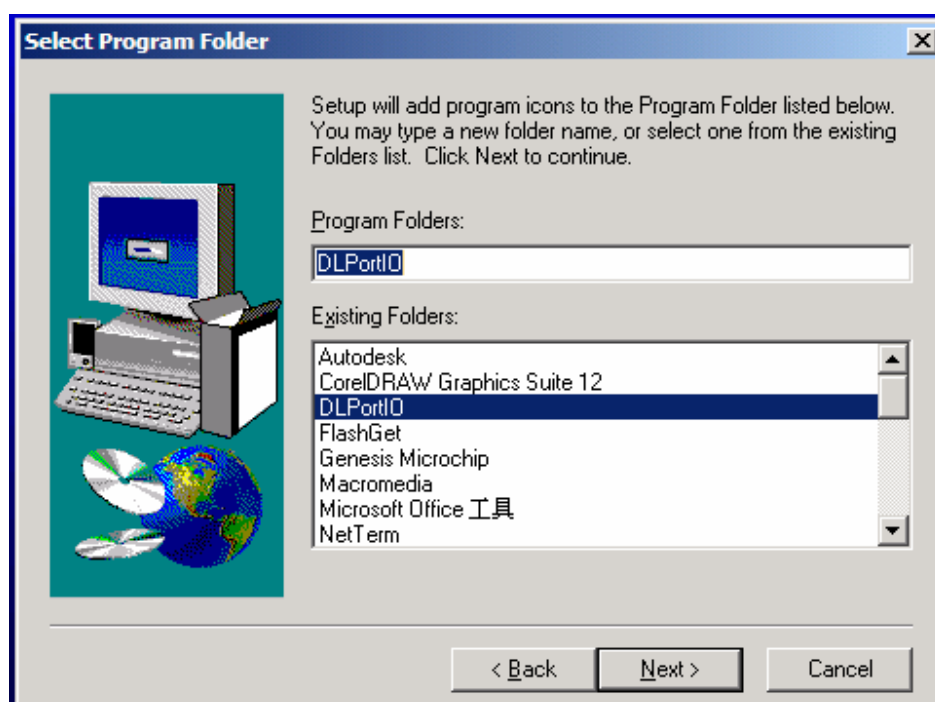
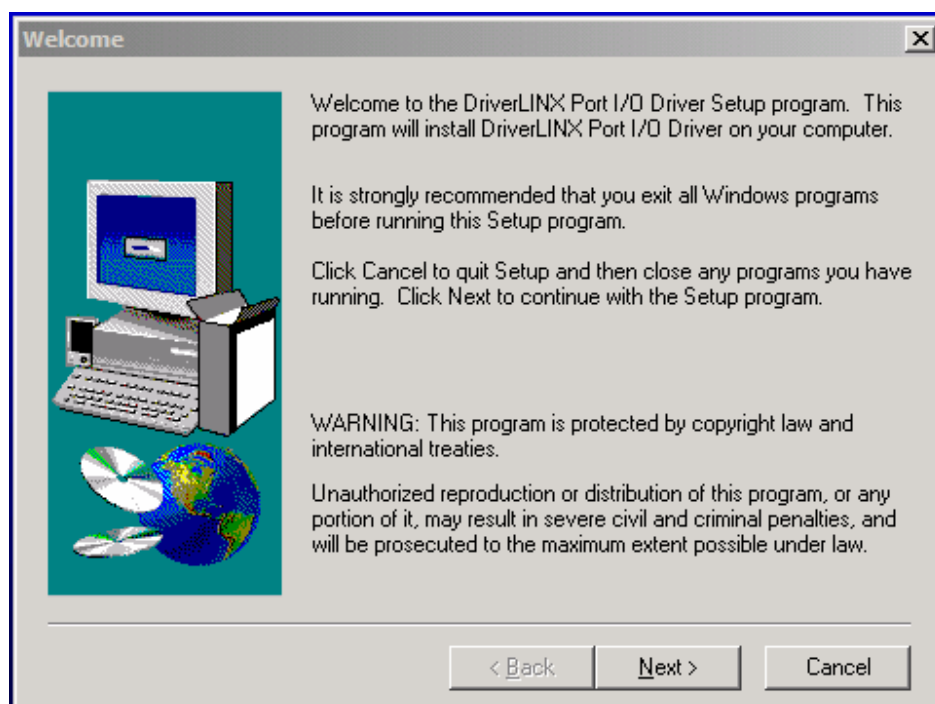
7. DDC Instruction



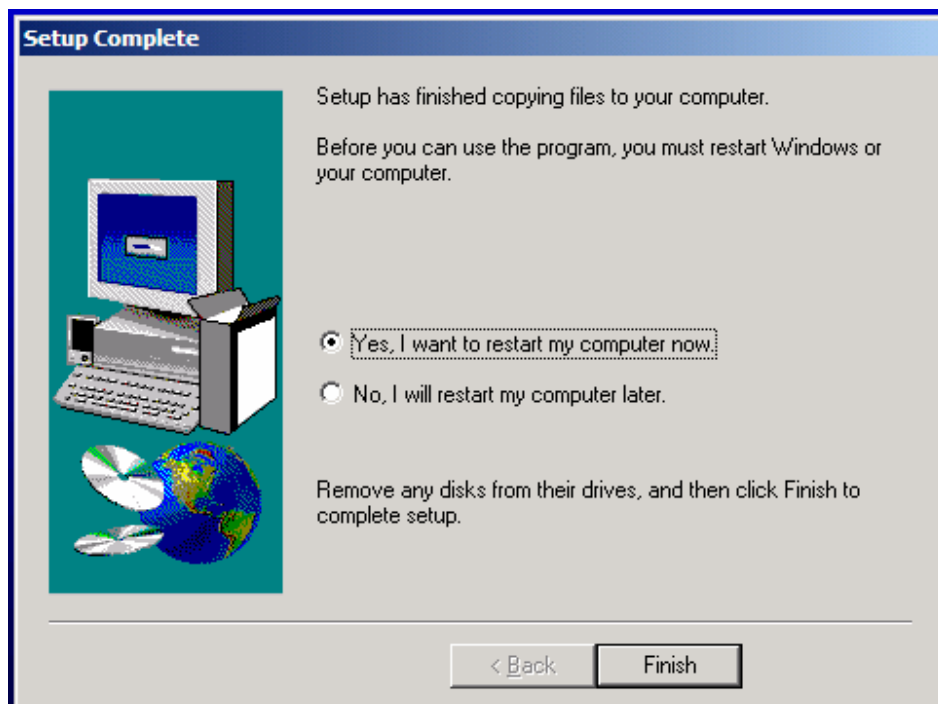
(1). Install software

You must install the  at the first. The processing as follows:



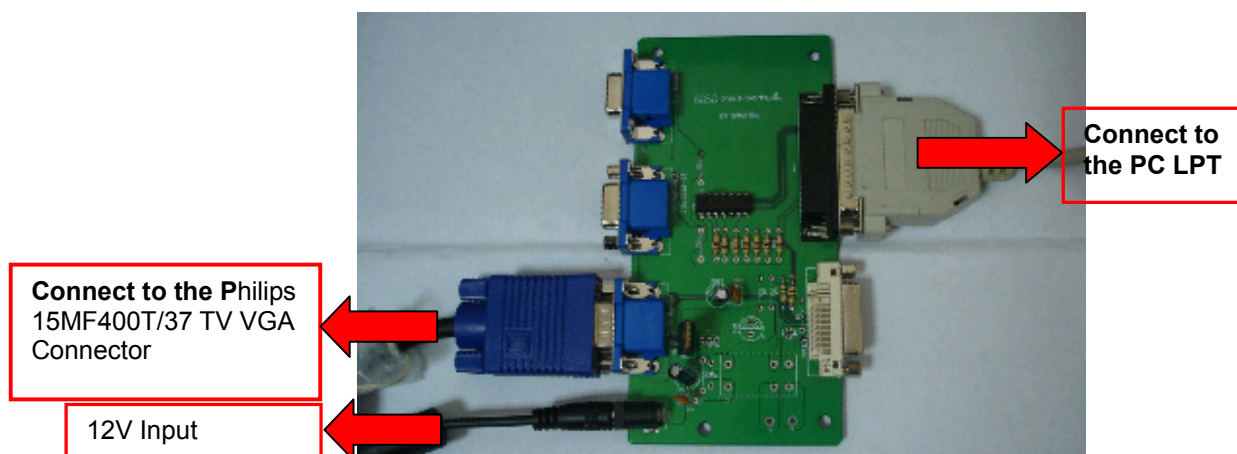


Click  to complete the installation.



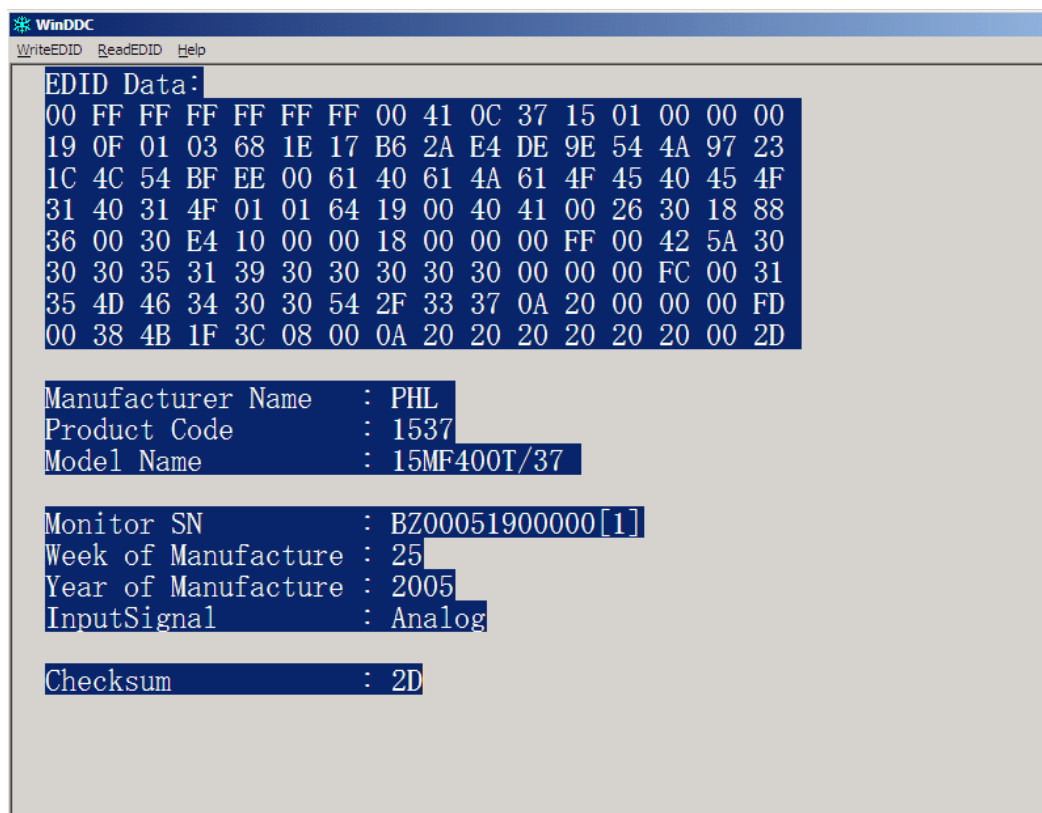
Note: After installation, you must restart the PC to take the setup to effect.

(2). Connect the DDC board as follow:

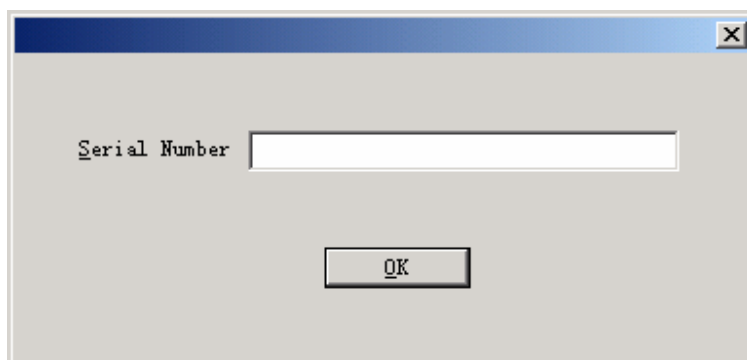




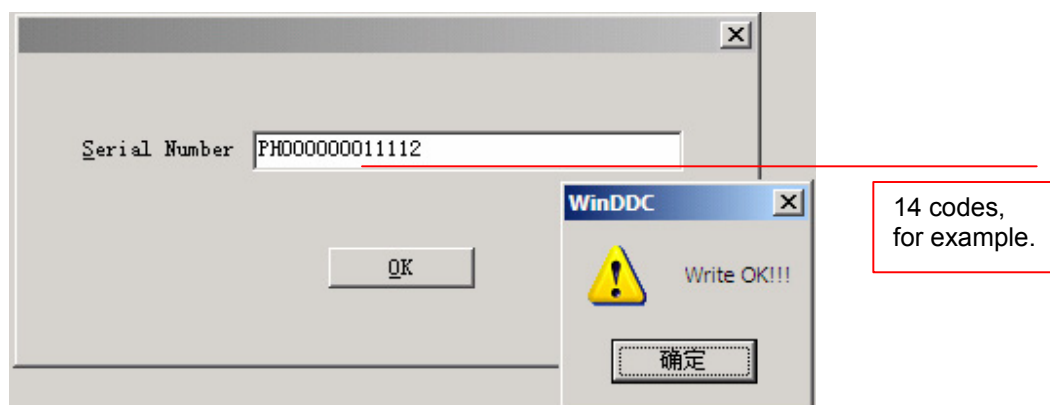
a. Double-click **WinDDC.exe**, appear as follow Figs:



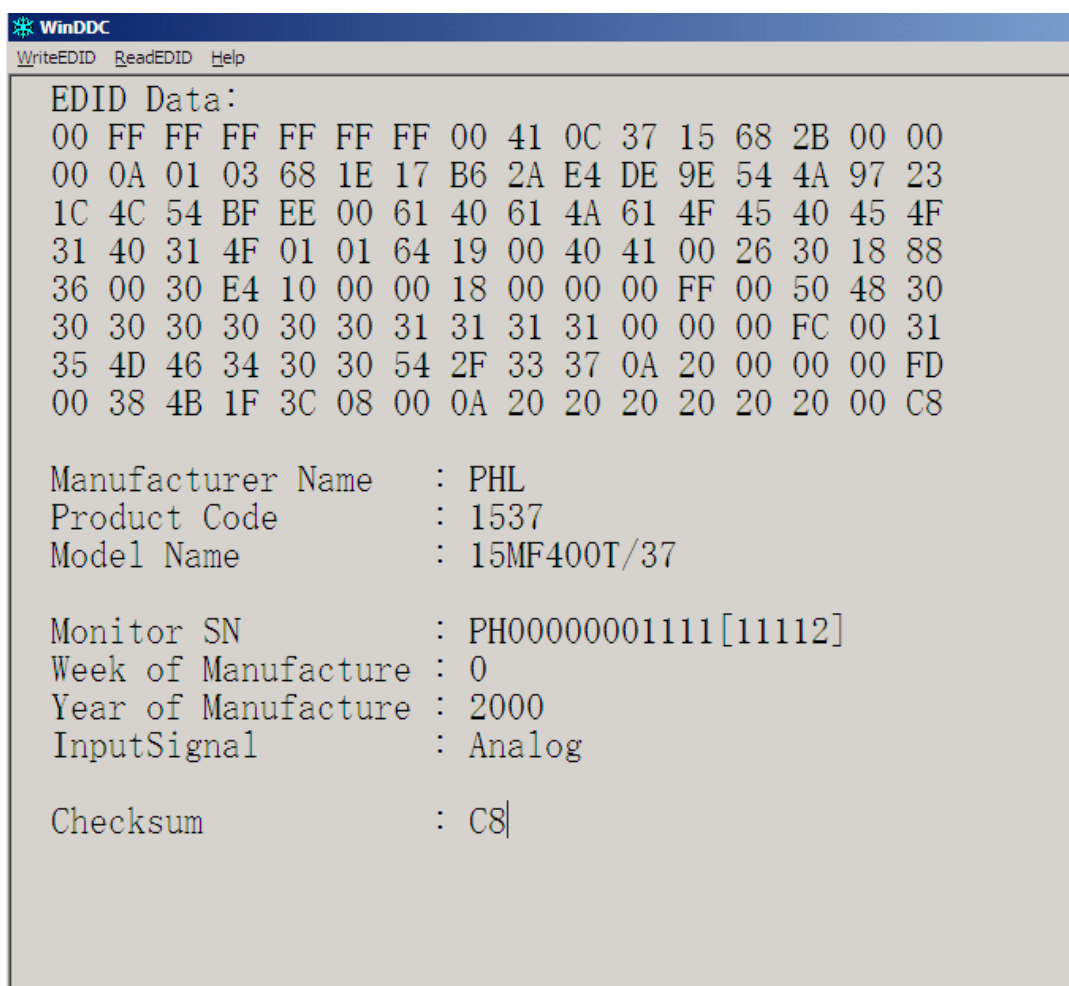
b. Open **WriteEDID**.



c. Input the Serial Number (14 codes) printed on the barcode label.



d. Unit appears the following Fig, Writer completed.



Decoded EDID data

<---Header--->

Header: 00 FF FF FF FF FF FF 00

<-x-Header-x->

<---Vendor/Product Identification--->

ID Manufacturer Name: PHL

ID Product Code: 1537

ID Serial Number: 1

Week of Manufacture: 25

Year of Manufacture: 2005

<-x-Vendor/Product Identification-x->

<---EDID Structure Version/Revision--->

EDID Version#: 1

EDID Revision#: 3

<-x-EDID Structure Version/Revision-x->

DDC Data:

<---Basic Display Parameters/Features--->

Video i/p definition: Analog

Signal Level Standard: 0.700V/0.000V(0.700Vpp)

Setup: Blank-to-Black Not expected

Separate Sync Support: Yes

Composite Sync Support: No

Max. H. Image Size : 30cm.

Max. V. Image Size : 23cm.

Display Gamma: 2.82

Display Type: R.G.B color display

Standard Default Color Space: No

Features, Preferred Timing Mode: In First Detailed Timing

Features, GTF support: No

DPMS Features, Active Off: Yes

<-x-Basic Display Parameters/Features-->

<---Color Characteristics--->

Red x: 0.6201171875

Red y: 0.330078125

Green x: 0.2900390625

Green y: 0.58984375

Blue x: 0.1396484375

Blue y: 0.1103515625

White x: 0.2998046875

White y: 0.330078125

<-x-Color Characteristics-x->

<---Established Timings--->

Established Timings 1: BF

- 720x400 @70Hz

- 640x480 @60Hz

- 640x480 @67Hz

- 640x480 @72Hz

- 640x480 @75Hz

- 800x600 @56Hz

- 800x600 @60Hz

Established Timings 2: EE

- 800x600 @72Hz

- 800x600 @75Hz

```

- 832x624 @75Hz
  - 1024x768 @60Hz
  - 1024x768 @70Hz
  - 1024x768 @75Hz
Established Timings 3: 00
<-x-Established Timings-x->

<---Standard Timing Identification--->
Standard Timing:      1024x768 @60Hz
Standard Timing:      1024x768 @70Hz
Standard Timing:      1024x768 @75Hz
Standard Timing:      800x600 @60Hz
Standard Timing:      800x600 @75Hz
Standard Timing:      640x480 @60Hz
Standard Timing:      640x480 @75Hz
<-x-Standard Timing Identification-x->

<---Detailed Timing Descriptions--->
Detailed Timing:      1024x768 @60Hz
Detailed Timing:      FF (Monitor SN) 'BZ00051900000'
Detailed Timing:      FC (Monitor name) 15MF400T/37
Detailed Timing:      FD (Monitor limits)
                      Min. V. rate:56Hz
                      Max. V. rate:75Hz
                      Min. H. rate:31KHz
                      Max. H. rate:60KHz
Max. Pixel Clock:      80MHz
<-x-Detailed Timing Descriptions-x->
Extension Flag:        00
Checksum:              2D

```

128 bytes EDID Data (Hex):

```

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
0 : 00 FF FF FF FF FF FF 00 41 0C 37 15 01 00 00 00
16 : 19 0F 01 03 68 1E 17 B6 2A E4 DE 9E 54 4A 97 23
32 : 1C 4C 54 BF EE 00 61 40 61 4A 61 4F 45 40 45 4F
48 : 31 40 31 4F 01 01 64 19 00 40 41 00 26 30 18 88
64 : 36 00 30 E4 10 00 00 18 00 00 00 FF 00 42 5A 30
80 : 30 30 35 31 39 30 30 30 30 00 00 00 FC 00 31
96 : 35 4D 46 34 30 30 54 2F 33 37 0A 20 00 00 00 FD
112: 00 38 4B 1F 3C 08 00 0A 20 20 20 20 20 00 2D

```


8. White Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

- I .Before started adjust white balance, please setting the Chroma-7120 MEM. Channel 3 to PC 9300 colors, MEM. Channel 4 to PC 6500 color, MEM. Channel 9 to AV 7800 colors, Channel 10 to AV 6500 colors
(PC 9300 parameter is $x = 283$, $y = 297$, $Y = 180 \text{ cd/m}^2$; PC 6500 parameter is $x = 313$, $y = 329$, $Y = 180 \text{ cd/m}^2$;
AV 7800 parameter is $x = 291$, $y = 306$, $Y = 180 \text{ cd/m}^2$; AV 6500 parameter is $x = 313$, $y = 329$, $Y = 180 \text{ cd/m}^2$)

Color Temp.	PC9300	PC6500	AV7800	AV6500
x	0.283	0.313	0.291	0.313
y	0.297	0.329	0.306	0.329
Y	180	180	180	180

How to setting MEM.channel you can reference to Chroma-7120 user guide or simple use “SC” key and “NEXT” key to modify x, y, Y value and use “ID” key to modify the TEXT description
Following is the procedure to do white-balance adjust:

There are two methods to access the factory mode:

1. Press Number key $100 \rightarrow 9 \rightarrow 9 \rightarrow 9$;
2. Press the “menu” key, and re-plug power cable at the same time
Though 1 or 2 will access the factory mode, and press “menu” key the OSD will show menu and a word “F” at the right top of Menu.

In the factory mode, select “F” function will assess Bias and Gain adjustment.

- Auto Level $\rightarrow$ Auto level adjust.
- Black Level $\rightarrow$ Black level adjust
- Gain $\rightarrow$ R, G, B Gain adjusts.
- Offset $\rightarrow$ R, G, B bias adjusts.
- C1 Warm $\rightarrow$ C1 Warm R, G, B gain adjusts, Contrast and Brightness adjust.
- C2 Cool $\rightarrow$ C2 Cool R, G, B gain adjusts, Contrast and Brightness adjust.
- C3 User $\rightarrow$ C3 User R, G, B gain adjusts, Contrast and Brightness adjust.
- Av Warm $\rightarrow$ Av Warm R, G, B gain adjusts, Contrast and Brightness adjust.
- Av Cool $\rightarrow$ Av cool R, G, B gain adjusts, Contrast and Brightness adjust.
- Burn In $\rightarrow$ Setup Burn-in mode ON / OFF.
- Return $\rightarrow$ Exit “F” function factory mode menu.

II . Bias (Low luminance) adjustment:

1. Press “AUTO” button.
2. Set the contrast on OSD window to the value=51, color (user) R, G, B set to “50”
3. Adjust the brightness on OSD until chroma 7120 measurement reach the value $Y > 180 \text{ cd/m}^2$

III. Gain adjustment:

A. Adjust PC9300 color-temperature:

1. Set the Contrast of OSD function to 45 and Adjust Brightness to chroma-7120 $Y > 180 \text{ cd/m}^2$
2. Switch the MEM.channel to Channel 03 (with up or down arrow on chroma-7120)
3. Switch the chroma-7120 to RGB-mode (with press “MODE” button)
4. The LCD-indicator on chroma-7120 will show $x = 283$, $y = 297$, $Y = 180 \text{ cd/m}^2$
5. Adjust the Color (user) Mode: RED on OSD window, until chroma 7120 indicator reached the value $R = 100$
6. Adjust the Color (user) Mode: GREEN on OSD window, until chroma-7120 indicator reached the value $G = 100$
7. Adjust the Color (user) Mode: BLUE on OSD window, until chroma-7120 indicator reached the value $B = 100$
8. Repeat above procedure (Item 5,6,7) until chroma-7120 RGB value meet the tolerance $= 100 \pm 2$
9. Switch the chroma-7120 to xyY mode with press “MODE” button
10. Press Color (9300) on OSD window to save the adjustment result

B. Adjust PC6500 color-temperature:

1. Set the Contrast of OSD function to 45 and Adjust Brightness to chroma-7120 $Y > 180 \text{ cd/m}^2$
2. Switch the MEM.channel to Channel 04 (with up or down arrow on chroma-7120)
3. Switch the chroma-7120 to RGB-mode (with press "MODE" button)
4. The LCD-indicator on chroma-7120 will show $x = 313, y = 329, Y = 180 \text{ cd/m}^2$
5. Adjust the Color (user) Mode: RED on OSD window, until chroma 7120 indicator reached the value $R=100$
6. Adjust the Color (user) Mode: GREEN on OSD window, until chroma-7120 indicator reached the value $G=100$
7. Adjust the Color (user) Mode: BLUE on OSD window, until chroma-7120 indicator reached the value $B=100$
8. Repeat above procedure (item 5,6,7) until chroma-7120 RGB value meet the tolerance $=100 \pm 2$
9. Switch the chroma-7120 to xyY mode with press "MODE" button
10. Press Color (6500) on OSD window to save the adjustment result

C. Adjust AV7800 color-temperature:

You must change to the AV mode first.

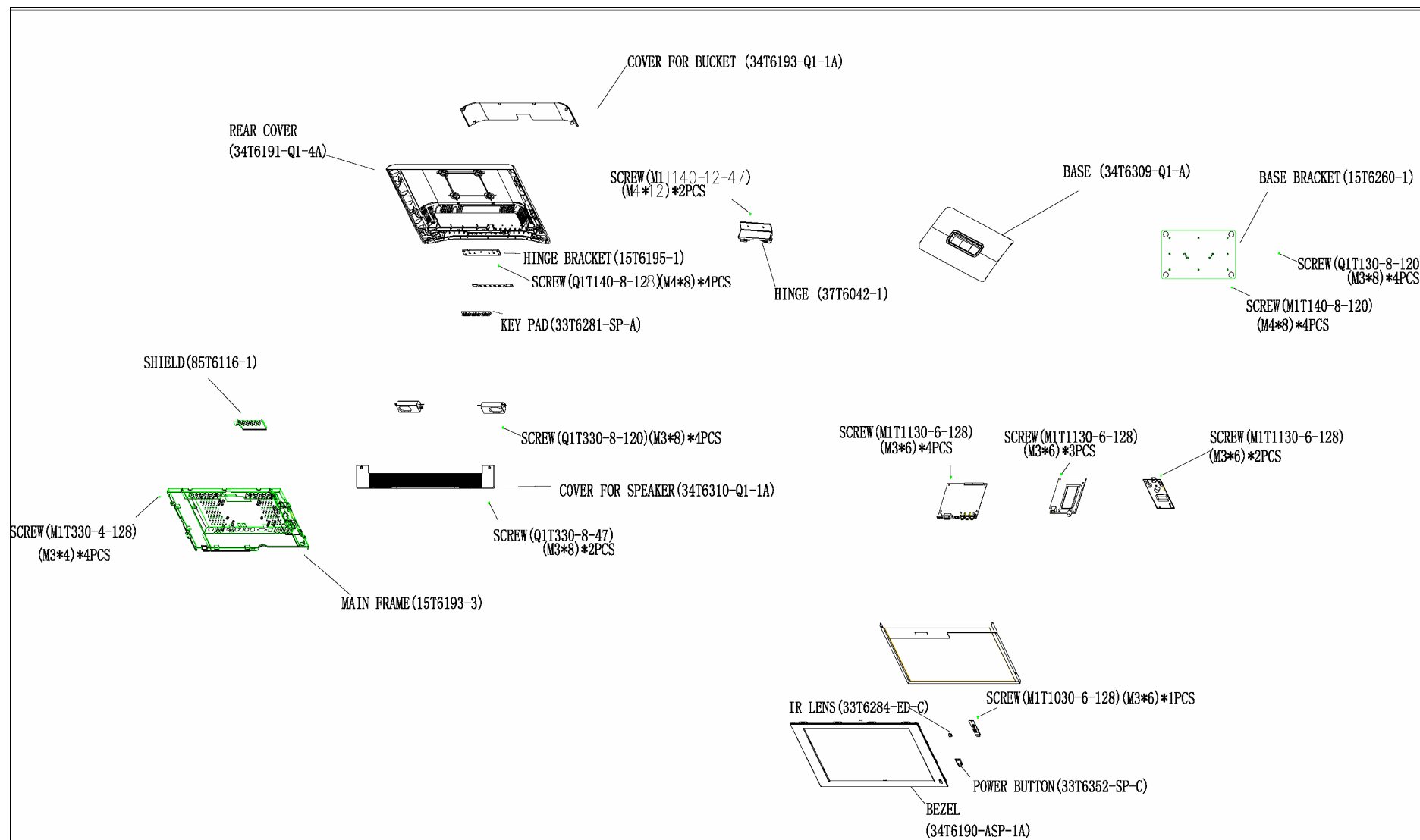
1. Set the Contrast of OSD function to 45 and Adjust Brightness to chroma-7120 $Y > 180 \text{ cd/m}^2$
2. Switch the MEM.channel to Channel 09 (with up or down arrow on chroma-7120)
3. Switch the chroma-7120 to RGB-mode (with press "MODE" button)
4. The LCD-indicator on chroma-7120 will show $x = 291, y = 306, Y = 180 \text{ cd/m}^2$
5. Adjust the Color (user) Mode: RED on OSD window, until chroma 7120 indicator reached the value $R=100$
6. Adjust the Color (user) Mode: GREEN on OSD window, until chroma-7120 indicator reached the value $G=100$
7. Adjust the Color (user) Mode: BLUE on OSD window, until chroma-7120 indicator reached the value $B=100$
8. Repeat above procedure (item 5,6,7) until chroma-7120 RGB value meet the tolerance $=100 \pm 2$
9. Switch the chroma-7120 to xyY mode with press "MODE" button
10. Press Color (9300) on OSD window to save the adjustment result

D. Adjust AV6500 color-temperature:

1. Set the Contrast of OSD function to 45 and Adjust Brightness to chroma-7120 $Y > 180 \text{ cd/m}^2$
2. Switch the MEM. Channel to Channel 10 (with up or down arrow on chroma-7120)
3. Switch the chroma-7120 to RGB-mode (with press "MODE" button)
4. The LCD-indicator on chroma-7120 will show $x = 313, y = 329, Y = 180 \text{ cd/m}^2$
5. Adjust the Color (user) Mode: RED on OSD window, until chroma 7120 indicator reached the value $R=100$
6. Adjust the Color (user) Mode: GREEN on OSD window, until chroma-7120 indicator reached the value $G=100$
7. Adjust the Color (user) Mode: BLUE on OSD window, until chroma-7120 indicator reached the value $B=100$
8. Repeat above procedure (item 5,6,7) until chroma-7120 RGB value meet the tolerance $=100 \pm 2$
9. Switch the chroma-7120 to xyY mode with press "MODE" button and be sure the data is
10. Press Color (9300) on OSD window to save the adjustment result

Turn the POWER-button off to on to quit factory mode (in USER-mode, the OSD window location was placed at middle of screen)

9. Exploded View



10. Mechanical Instructions

1. Lay LCD-TV on a flat, soft and clean surface.



Fig 1

2. Remove the screws to remove the base.

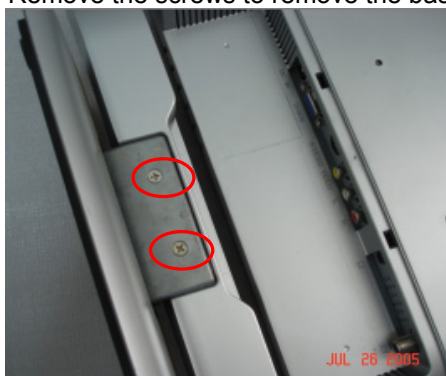


Fig 2

3. Open the four clicks on the bottom bezel.



Fig 3

4. Open the four clicks on the right bezel.



Fig 4

5. Open the four clicks on the top bezel.



Fig 5

6. Open the four clicks on the left bezel.



Fig 6

7. Remove the two screws to remove speaker cover.



Fig 7

8. Remove the connect wire of speaker and tuner board.

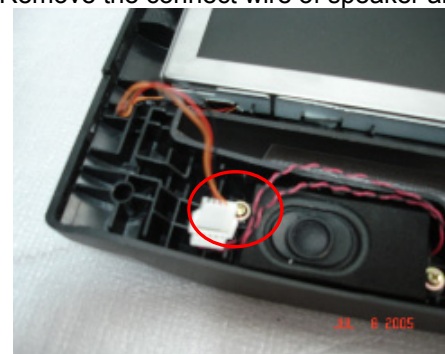


Fig 8

9. Remove the connector wire of key and IR board.

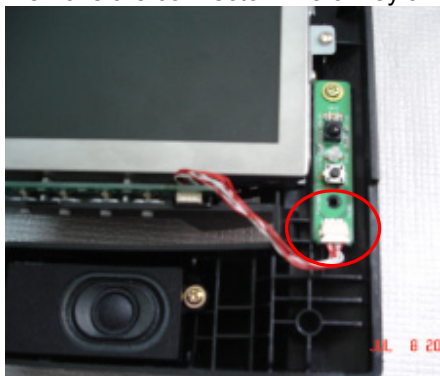


Fig 9

10. Remove the four screws to remove panel.



Fig 10

11. Remove the four screws to remove the speakers.



Fig 11

12. Remove the two screws.



Fig 12

13. Remove the left two screws to remove main frame.

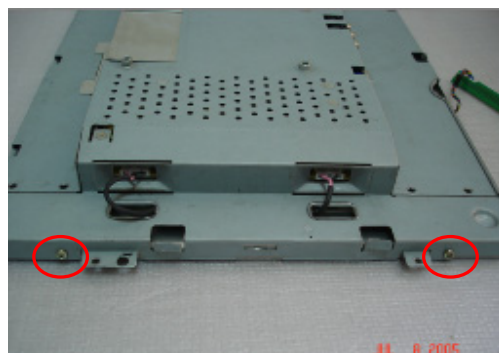


Fig 13

14. Remove the right two screws to remove main frame.



Fig 14

15. Remove the frame as the arrowhead.

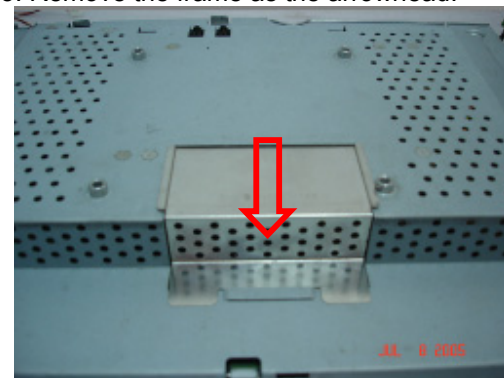


Fig 15

16. Remove the connector wire of panel and main board.

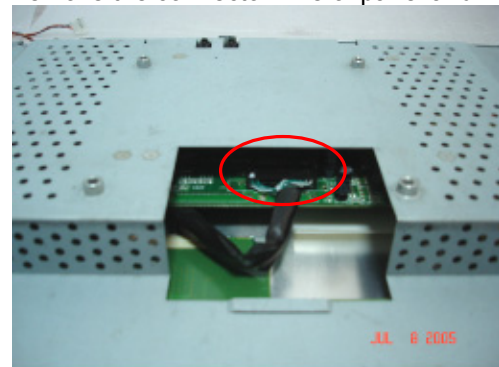


Fig 16

17. Remove the connector wire of panel and main board.

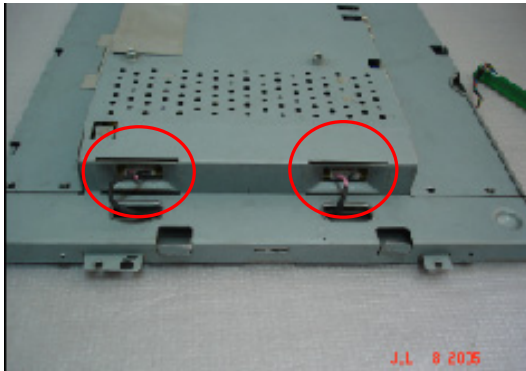


Fig 17

19. Remove the connector of main and tuner board.

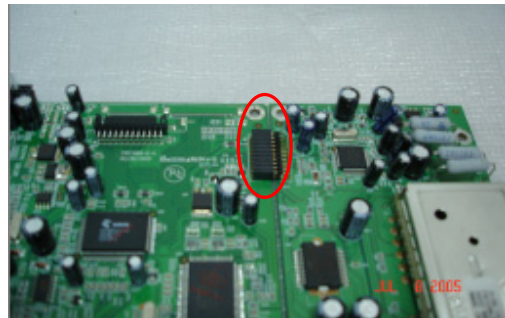


Fig 19

18. Remove the nine screws.

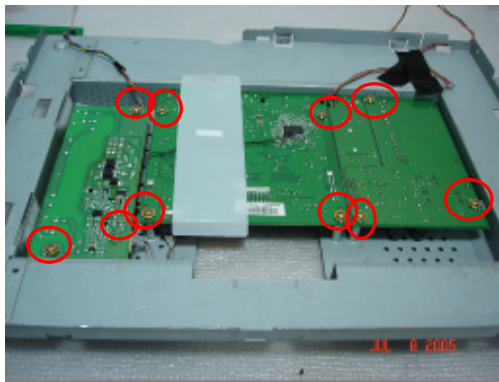


Fig 18

20. Remove the connector wire of main and power board; main board and key board.

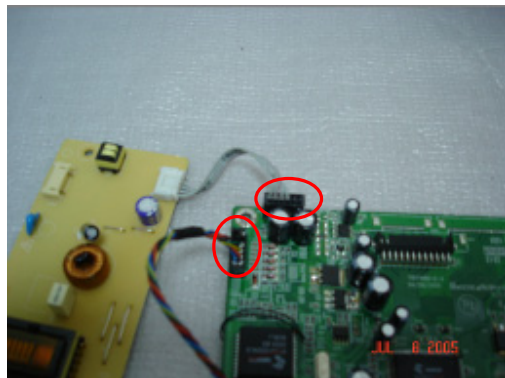


Fig 20

11.Spare Parts List

Different Parts List (Between SVA and CPT panel)

Location / Item / Position No.	Philips P/N	Vendor P/N	Description	Located In
R645	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W	Tuner Board (CPT)
R646	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W	
FB608	9965 000 31303	71T56G301EA	CHIP BEAD 300 OHM 0805	Tuner Board (SVA)
	9965 000 31039	TUPF560A4P	TUNER BOARD (SVA)	
	9965 000 32683	TUPF560A5P	TUNER BOARD (CPT)	
	9965 000 31030	750VVD504TB	SVA 15" 4TB PANEL	
	9965 000 36313	750TVC50P0161	CPT PANEL(CPT CLAA 150XP01)	

Mechanical Parts

Philips P/N	Vendor P/N	Description
9965 000 31020	15T6195 1	HINGE BRACKET
9965 000 43161	015T6193 1	MAIN FRAME
9965 000 43162	Q40T 151813 1C	RATING LABEL
9965000 43164	Q40T 151813 1B	RATING LABEL
9965 000 31021	15T62601	BASE-BRACKET
9965 000 31022	33T6281SPA	KEY PAD
9965 000 31023	33T6284EDC	IR LENS
9965 000 31024	34T6190ASP1A	BEZEL-15
9965 000 31025	34T6191Q14A	BUCKET
9965 000 31026	34T6309Q11A	BASE
9965 000 31027	37T60421	HINGE
9965 000 31028	34T6193Q11A	COVER FOR BUCKET
9965 000 31029	34T6310Q11A	COVER FOR SPK

Panel

Philips P/N	Vendor P/N	Description
9965 000 31030	750VVD504TB	SVA 15" 4TB PANEL
9965 000 43158	750TVD504TB81N	PANEL SVA150XG04TB REV.Q SVA
9965 000 36313	750TVC50P0161	CPT PANEL(CPT CLAA 150XP01)
9965 000 37471	750TVC50P01-82N/83N	CPT PANEL(CPT CLAA 150XP01)

Accessory

Philips P/N	Vendor P/N	Description
9965 000 31031	98TR7SW1BEMNF	REMOTE CONTROL
9965 000 31032	89T402A18NIS	POWER CORD
9965 000 31033	78T329502K	SPEAKER (4OHM 3W)
9965000 43163	Q41T1501813 2B	MANUAL

PCB

Philips P/N	Vendor P/N	Description
9965 000 31034	ADPC12416BVP	POWER ASS'Y
9965 000 31035	CBPF565KVNPHP	MAIN BOARD ASSY
9965 000 43159	CBPF565KCNPHP	MAIN BOARD
9965 000 43160	CBPF6N1KY1	CONVERSION BOARD
9965 000 31036	INTV560A5P	INVERTER BOARD
9965 000 31037	IRPF560A2P	IR BOARD
9965 000 31038	KEPF560KPHP	KEY BOARD
9965 000 31039	TUPF560A4P	TUNER BOARD (SVA)
9965 000 32683	TUPF560A5P	TUNER BOARD
9965 000 32683	TUPF560A5P	TUNER BOARD (CPT)

Packing

Philips P/N	Vendor P/N	Description
9965 000 31040	44T15018131B	CARTON
9965 000 31041	45T88607	PE BAG FOR MONITOR
9965 000 31042	45T886095	EPE COVER
9965 000 31043	44T15031	EPS
9965 000 31044	44T15032	EPS
9965 000 31045	45T88525E	PE BAG

Main Board

Location / Item / Position No.	Philips P/N	Vendor P/N	Description
	9965 000 31035	CBPF565KVNPHP	MAIN BOARD ASSY
C107	9965 000 31251	67T405V1017P	100UF 50V
C112	9965 000 31251	67T405V1017P	100UF 50V
C120	9965 000 31251	67T405V1017P	100UF 50V
CN116	9965 000 31302	33T80324C	WAFER 1.25MM SMT 4P
D601	9965 000 31100	93T6432V	LL4148-GSO8 SMD BY VISH
Q602	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP

Q603	9965 000 31305	57T7631	A03401L SOT23 BY AOS
Q604	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
Q605	9965 000 31305	57T7631	A03401L SOT23 BY AOS
R603	9965 000 31306	61V0603330	CHIP 33 OH 1/16W
R604	9965 000 31307	61V0603151	CHIP 150 OHM 1/16W
R605	9965 000 31292	61V0603000	CHIPR 0OHM +-5% 1/10W
R606	9965 000 31308	61V0603221	CHIP 220 OHM 1/16W 1%
R607	9965 000 31309	61V0603121	CHIP 120 OHM 1/16W
R608	9965 000 31310	61V0603621	CHIP 620 OHM 1/16W
R612	9965 000 31311	61V0603103	CHIPR 10K OHM+-5% 1/10W
R613	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R614	9965 000 31290	61V0603512	CHIP 5.1K OHM 1/10W
R615	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R616	9965 000 31290	61V0603512	CHIP 5.1K OHM 1/10W
R617	9965 000 31311	61V0603103	CHIPR 10K OHM+-5% 1/10W
R618	9965 000 31312	61V0603681	CHIP 680 OHM 1/16W
R619	9965 000 31312	61V0603681	CHIP 680 OHM 1/16W
R621	9965 000 31279	61V12060004	0 OHM 4A 1/4W
R622	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R623	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R624	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R625	9965 000 31298	61V0603471	CHIPR 470 OHM+-5% 1/10W
R626	9965 000 31298	61V0603471	CHIPR 470 OHM+-5% 1/10W
R629	9965 000 31314	61V0603104	CHIPR 100K OHM+-5% 1/10
R636	9965 000 31315	61V0603473	CHIP 47K OHM 1/16W
R637	9965 000 31315	61V0603473	CHIP 47K OHM 1/16W
R638	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W
R639	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W
R640	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R641	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R642	9965 000 31306	61V0603330	CHIP 33 OH 1/16W
R643	9965 000 31279	61V12060004	0 OHM 4A 1/4W
U601	9965 000 31317	56T5353	TDA7266D
U602	9965 000 31318	56T13330AAC	AZ1117H-ADJ-E1
U605	9965 000 31319	56T5934	MSP3425G-QI-B8-V3PMQFP6
C209	9965 000 31320	67T405V4703P	47UF 16V

C402	9965 000 31321	67T305V1013	1000UF +-2 16V
C102	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C104	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C105	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C106	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C108	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C109	9965 000 31259	65T060322131	CHIP 220PF 50V NPO
C110	9965 000 31259	65T060322131	CHIP 220PF 50V NPO
C113	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C114	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C115	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C117	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C119	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C121	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C124	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C125	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C126	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C201	9965 000 31322	65T080568417	CHIP 0.68UF 16V Y5V
C202	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C203	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C204	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C205	9965 000 31257	65T060347132	CHIP 470PF 50V NPO
C206	9965 000 31257	65T060347132	CHIP 470PF 50V NPO
C207	9965 000 31323	65T060310031	CHIP 10PF 50V NPO
C208	9965 000 31322	65T080568417	CHIP 0.68UF 16V Y5V
C210	9965 000 31323	65T060310031	CHIP 10PF 50V NPO
C211	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C212	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C213	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C214	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C215	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C217	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C218	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C219	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C220	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C222	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R

C223	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C224	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C225	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C226	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C227	9965 000 31322	65T080568417	CHIP 0.68UF 16V Y5V
C228	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C229	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C230	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C231	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C232	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C234	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C235	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C236	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C237	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C238	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C239	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C240	9965 000 31324	65T060322417	CHIP 0.22UF 16V Y5V
C241	9965 000 31324	65T060322417	CHIP 0.22UF 16V Y5V
C242	9965 000 31324	65T060322417	CHIP 0.22UF 16V Y5V
C243	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C245	9965 000 31078	65T060315232	CHIP 1500PF 50V X7R
C246	9965 000 31325	65T060339131	CHIP 390PF 50V NPO
C247	9965 000 31324	65T060322417	CHIP 0.22UF 16V Y5V
C248	9965 000 31324	65T060322417	CHIP 0.22UF 16V Y5V
C249	9965 000 31324	65T060322417	CHIP 0.22UF 16V Y5V
C250	9965 000 31324	65T060322417	CHIP 0.22UF 16V Y5V
C301	9965 000 31326	65T120610617	CHIP 10UF 16V Y5V
C302	9965 000 31326	65T120610617	CHIP 10UF 16V Y5V
C304	9965 000 31326	65T120610617	CHIP 10UF 16V Y5V
C305	9965 000 31327	65T060310412	CHIP 0.1UF 50V X7R
C306	9965 000 31327	65T060310412	CHIP 0.1UF 50V X7R
C308	9965 000 31327	65T060310412	CHIP 0.1UF 50V X7R
C309	9965 000 31326	65T120610617	CHIP 10UF 16V Y5V
C310	9965 000 31327	65T060310412	CHIP 0.1UF 50V X7R
C311	9965 000 31328	65T060356131	CHIP 560PF 50V NPO
C312	9965 000 31329	65T060368312	CHIP 0.68UF 16V X7R

C313	9965 000 31330	65T060368232	CHIP 0.0068UF 50V X7R 0
C314	9965 000 31327	65T060310412	CHIP 0.1UF 50V X7R
C315	9965 000 31328	65T060356131	CHIP 560PF 50V NPO
C401	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C403	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C404	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C405	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C406	9965 000 31254	65T060310131	CHIP 100PF 50V NPO
C407	9965 000 31254	65T060310131	CHIP 100PF 50V NPO
C408	9965 000 31254	65T060310131	CHIP 100PF 50V NPO
C409	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C410	9965 000 31324	65T060322417	CHIP 0.22UF 16V Y5V
C411	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C412	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C413	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C414	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C415	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C416	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C419	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C421	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C422	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C424	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C425	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C426	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C427	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C429	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C430	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C431	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C432	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C433	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C434	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C435	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C437	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C439	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C440	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C441	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R

C442	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C443	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C444	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C445	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C446	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C447	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C448	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C449	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C450	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C451	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C452	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C453	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C454	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C455	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
L101	9965 000 31331	73TM5615110H	125 150UH+-10%
L201	9965 000 31332	71T56G151AC	1608 150 OHM
L202	9965 000 31332	71T56G151AC	1608 150 OHM
L203	9965 000 31332	71T56G151AC	1608 150 OHM
L204	9965 000 31332	71T56G151AC	1608 150 OHM
Q102	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
Q103	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
Q104	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
Q105	9965 000 31286	57T7633	AO4411L SO-8 BY AOS SMT
Q106	9965 000 31333	56T56612	AO 4801
Q301	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
Q401	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
Q402	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
R101	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
R103	9965 000 31315	61V0603473	CHIP 47K OHM 1/16W
R105	9965 000 31314	61V0603104	CHIPR 100K OHM+-5% 1/10
R106	9965 000 31315	61V0603473	CHIP 47K OHM 1/16W
R107	9965 000 31314	61V0603104	CHIPR 100K OHM+-5% 1/10
R108	9965 000 31315	61V0603473	CHIP 47K OHM 1/16W
R109	9965 000 31314	61V0603104	CHIPR 100K OHM+-5% 1/10
R110	9965 000 31311	61V0603103	CHIPR 10K OHM+-5% 1/10W
R112	9965 000 31311	61V0603103	CHIPR 10K OHM+-5% 1/10W

R201	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R202	9965 000 31335	61V0603105	CHIP 1MOHM 1/16W
R203	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R204	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R205	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R207	9965 000 31336	61V0603220	CHIPR 22 OHM+-5% 1/10W
R208	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R210	9965 000 31292	61V0603000	CHIPR 0OHM +-5% 1/10W
R211	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R212	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R213	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R214	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R215	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R216	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R217	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R218	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R219	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R301	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W
R302	9965 000 31337	61V0603470	CHIP 47OHM 1/16W 1%
R303	9965 000 31298	61V0603471	CHIPR 470 OHM+-5% 1/10W
R304	9965 000 31298	61V0603471	CHIPR 470 OHM+-5% 1/10W
R305	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W
R306	9965 000 31298	61V0603471	CHIPR 470 OHM+-5% 1/10W
R307	9965 000 31338	61V0603682	CHIP 6.8KOHM 1/16W
R308	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R309	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R310	9965 000 31311	61V0603103	CHIPR 10K OHM+-5% 1/10W
R311	9965 000 31292	61V0603000	CHIPR 0OHM +-5% 1/10W
R312	9965 000 31298	61V0603471	CHIPR 470 OHM+-5% 1/10W
R313	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R401	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R402	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R403	9965 000 31315	61V0603473	CHIP 47K OHM 1/16W
R404	9965 000 31315	61V0603473	CHIP 47K OHM 1/16W
R405	9965 000 31314	61V0603104	CHIPR 100K OHM+-5% 1/10
R406	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W

R407	9965 000 31314	61V0603104	CHIPR 100K OHM+-5% 1/10
R408	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R409	9965 000 31335	61V0603105	CHIP 1MOHM 1/16W
R410	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R411	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R412	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R413	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R414	9965 000 31339	61V0603202	CHIP 2K OHM 1/16W
R415	9965 000 31339	61V0603202	CHIP 2K OHM 1/16W
R416	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R417	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R418	9965 000 31339	61V0603202	CHIP 2K OHM 1/16W
R419	9965 000 31339	61V0603202	CHIP 2K OHM 1/16W
R420	9965 000 31339	61V0603202	CHIP 2K OHM 1/16W
R421	9965 000 31339	61V0603202	CHIP 2K OHM 1/16W
R422	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R423	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R424	9965 000 31338	61V0603682	CHIP 6.8KOHM 1/16W
R425	9965 000 31340	61V0603153	CHIPR 15KOHM +-5% 1/16W
R426	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R428	9965 000 31341	61V0603752	CHIPR 7.5K 1/10W
R429	9965 000 31341	61V0603752	CHIPR 7.5K 1/10W
R431	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R432	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R433	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R434	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R435	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R436	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R437	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R438	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R439	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R440	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R447	9965 000 31336	61V0603220	CHIPR 22 OHM+-5% 1/10W
R448	9965 000 31342	61V0603821	CHIP 820 OHM 1/16W
R453	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R454	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W

R455	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R456	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R457	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R460	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R461	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R462	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R463	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R464	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R465	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R466	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R467	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R468	9965 000 31334	61V0603750	CHIP 75OHM 1/16W
R469	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R470	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R471	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R472	9965 000 31343	61V0603272	CHIP 2.7KOHM 1/16W
R473	9965 000 31343	61V0603272	CHIP 2.7KOHM 1/16W
R477	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R478	9965 000 31313	61V0603101	CHIPR 100 OHM+-5% 1/10W
R628	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W
RP201	9965 000 31344	61V1252208	CHIP ARRAY 22 OHM 1/16W
RP202	9965 000 31344	61V1252208	CHIP ARRAY 22 OHM 1/16W
U101	9965 000 31345	56T56325	AIC1084-33PE
U102	9965 000 31346	56T56327	AIC1117A-18PY SOT223 AI
U103	9965 000 31345	56T56325	AIC1084-33PE
U104	9965 000 31347	56T56311	SI-8050SD
U106	9965 000 31333	56T56612	AO 4801
U201	9965 000 31348	56T6401	VPC3230D
U301	9965 000 31349	56T623501	Z86229
U401	9965 000 36312	56T562509	IC NT68521A-XF
	9965 000 41334	705TQ5K0 56001	CPU ASS'Y
U403	9965 000 31352	56T4LVC14P	74LVC14ADT
U405	9965 000 31353	56T113356A	24LC16BT/SN SOIC-8PI
ZD101	9965 000 31354	93T60211	SMB340 BY FULL POWER
ZD401	9965 000 31355	93T39147	TZMC 5V6
ZD402	9965 000 31355	93T39147	TZMC 5V6

ZD403	9965 000 31355	93T39147	TZMC 5V6
ZD404	9965 000 31355	93T39147	TZMC 5V6
ZD405	9965 000 31355	93T39147	TZMC 5V6
ZD406	9965 000 31355	93T39147	TZMC 5V6
ZD407	9965 000 31356	56T158501	AZ431AZ-AE1 SOT23-3
ZD408	9965 000 31355	93T39147	TZMC 5V6
ZD409	9965 000 31355	93T39147	TZMC 5V6
ZD410	9965 000 31355	93T39147	TZMC 5V6
ZD411	9965 000 31355	93T39147	TZMC 5V6
ZD412	9965 000 31355	93T39147	TZMC 5V6
ZD413	9965 000 31355	93T39147	TZMC 5V6
ZD414	9965 000 31355	93T39147	TZMC 5V6
CN101	9965 000 31357	33T802712	WAFER 2*6P 2.0MM R/A
CN102	9965 000 31358	88T3041CE	DC JACK 3PIN
CN103	9965 000 31359	88T78132C	RCA JACK
CN104	9965 000 31360	88T1006TN	MINI PIN 4P
CN107	9965 000 31357	33T802712	WAFER 2*6P 2.0MM R/A
CN111	9965 000 31361	33T802724BH	WAFER&PLUG
CN112	9965 000 31362	88T35315FH	D-SUB 15PIN
CN113	9965 000 31363	33T802420CH	WAFER
X201	9965 000 31365	93T2265BJ	20.250 AE13F-BK4
X401	9965 000 31366	93T2251BJ	NXS12.000AC30F-BT-2
D401	9965 000 31100	93T6432V	LL4148-GSO8 SMD BY VISH
D402	9965 000 31100	93T6432V	LL4148-GSO8 SMD BY VISH
D403	9965 000 31100	93T6432V	LL4148-GSO8 SMD BY VISH
D404	9965 000 31283	93T6433P	BAV99
D405	9965 000 31283	93T6433P	BAV99
D406	9965 000 31283	93T6433P	BAV99
FB102	9965 000 31367	71T57G601	BEAD 1206 600 OHM
FB103	9965 000 31367	71T57G601	BEAD 1206 600 OHM
FB108	9965 000 31279	61V12060004	0 OHM 4A 1/4W
FB109	9965 000 31367	71T57G601	BEAD 1206 600 OHM
FB301	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB401	9965 000 31367	71T57G601	BEAD 1206 600 OHM
FB402	9965 000 31367	71T57G601	BEAD 1206 600 OHM
FB403	9965 000 31367	71T57G601	BEAD 1206 600 OHM

FB404	9965 000 31367	71T57G601	BEAD 1206 600 OHM
FB405	9965 000 31119	61V0805000	CHIP 0OHM 1/10W
FB406	9965 000 31119	61V0805000	CHIP 0OHM 1/10W
FB407	9965 000 31119	61V0805000	CHIP 0OHM 1/10W

Power Board

Location / Item / Position No	Philips P/N	Vendor P/N	Description
	9965 000 31034	ADPC12416BVP	POWER ASS'Y
BD901	9965 000 31068	93T50460502	KBP206G
CN901	9965 000 31069	87T50110	AC SOCKET
F901	9965 000 31070	84T7H200SL	250V/2A LIHEL FUSE
Q901	9965 000 31071	57T7244	2SK2996
L901	9965 000 31072	73V17426T1G	LINE LILT 0.45MM
L902	9965 000 31073	73T25391S	CHOKO COIL
T901	9965 000 31075	80V6003TF	SRW28EC-T40HO17
C909	9965 000 31076	65T080510422	0.1UF +-10% 25V X7R 080
C910	9965 000 31077	65T120610231	1000PF 50V NPO 120 +-5%
C911	9965 000 31078	65T060315232	CHIP 1500PF 50V X7R
C912	9965 000 31079	65T080510512	1UF +-10% 6V X7R
C913	9965 000 31080	65T060333131	CHIP 330PF 50V NPO
C914	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C917	9965 000 31082	65T080522131	220PF 50V NPO
C924	9965 000 31371	65T080510427	CHIP CAP 1UF 25V Y5V
C926	9965 000 31083	65T080547427	CHIP 0.47UF 25V Y5V
C928	9965 000 31076	65T080510422	0.1UF +-10% 25V X7R 080
C929	9965 000 31076	65T080510422	0.1UF +-10% 25V X7R 080
C930	9965 000 31084	65T080533427	0.33UF 1/5V
C900	9965 000 31085	65T306M4722B2	Y1 4700PF +-20% 250VAC
C901	9965 000 31086	63T107K334U	MPX 0.33/275VAC/+-10%
C902	9965 000 31087	65T305M1022EM	Y2 1000PF +-20% 250VAC
C903	9965 000 31087	65T305M1022EM	Y2 1000PF +-20% 250VAC
C904	9965 000 31088	67T305S10115K	100UF +-20% 450V
C905	9965 000 31089	65T1K1521T6052	1.5nF /1K Y5P+-10%
C906	9965 000 31090	67T3052207T	22uf 50v
C908	9965 000 31091	67T3051007T	10UF
C915	9965 000 31090	67T3052207T	22uf 50v
C916	9965 000 31092	65T306M3322F2	3300PF +-20% 400VAC Y1
C921	9965 000 31094	67T215C1023H	EC LESR 1000UF16V HERME
C922	9965 000 31094	67T215C1023H	EC LESR 1000UF16V HERME
IC901	9965 000 31095	56T37927	FA13843N
IC902	9965 000 31096	56T1584T	H431BA
IC903	9965 000 31097	56T1393A	PC123Y22FZOF
IC905	9965 000 31096	56T1584T	H431BA
D901	9965 000 31098	93T6026T52T	FR107

D902	9965 000 31099	93T6038T52T	FR103
D904	9965 000 31100	93T6432V	LL4148-GSO8 SMD BY VISH
D905	9965 000 31100	93T6432V	LL4148-GSO8 SMD BY VISH
D906	9965 000 31100	93T6432V	LL4148-GSO8 SMD BY VISH
D911	9965 000 31101	93T60226	DIODE
Q902	9965 000 31102	57T4176	PMBS3906/PHILIPS-SMT
Q903	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
R900	9965 000 31104	61V0805112	1.1K OHM 1/8W
R901	9965 000 31105	61V1206684	CHIP 680K OHM 1/8W
R902	9965 000 31105	61V1206684	CHIP 680K OHM 1/8W
R903	9965 000 31106	61V1206514	CHIP 510K OHM 1/8W
R904	9965 000 31106	61V1206514	CHIP 510K OHM 1/8W
R905	9965 000 31107	61V1206304	CHIP 300K OHM 1/4W
R906	9965 000 31107	61V1206304	CHIP 300K OHM 1/4W
R907	9965 000 31107	61V1206304	CHIP 300K OHM 1/4W
R908	9965 000 31107	61V1206304	CHIP 300K OHM 1/4W
R909	9965 000 31107	61V1206304	CHIP 300K OHM 1/4W
R910	9965 000 31107	61V1206304	CHIP 300K OHM 1/4W
R911	9965 000 31108	61T152M10457F	MOFR 100K +-5% 2W
R912	9965 000 31109	61V1206100	CHIP 10 OHM 1/8W
R913	9965 000 31110	61V0805104	CHIPR 100K OHM+-5% 1/8W
R914	9965 000 31111	61V0805204	200K OHM 1/8W
R915	9965 000 31112	61V0805101	CHIPR 100 OHM +-5% 1/8W
R917	9965 000 31113	61V0805473	CHIPR 47K OHM +-5% 1/8W
R918	9965 000 31114	61V0805133	CHIPR 13KOHM +-5% 1/8W
R919	9965 000 31115	61V0805203	CHIPR 20KOHM +-5% 1/8W
R920	9965 000 31113	61V0805473	CHIPR 47K OHM +-5% 1/8W
R921	9965 000 31116	61V0805303	CHIP 30K OHM 1/8W
R922	9965 000 31117	61V0805114	CHIP RES 110K 1/8W
R923	9965 000 31109	61V1206100	CHIP 10 OHM 1/8W
R924	9965 000 31118	61V0805472	CHIPR 4.7K OHM +-5% 1/8
R925	9965 000 31119	61V0805000	CHIP 0OHM 1/10W
R926	9965 000 31120	61V1206101	CHIP 100 OHM 5% 1/4W
R927	9965 000 31121	61V0805103	CHIP 10K OHM 1/10W
R928	9965 000 31122	61V0603102	CHIPR 1K OHM+-5% 1/10W
R929	9965 000 31123	61V0805821	820 1/8W
R930	9965 000 31124	61T2J47859B	WIRE WOUN 0.47 OHM ZW
R931	9965 000 31109	61V1206100	CHIP 10 OHM 1/8W
R932	9965 000 31109	61V1206100	CHIP 10 OHM 1/8W
R933	9965 000 31125	61V1206472	CHIP 4.7KOHM 5% 1/4W

R934	9965 000 31126	61V1206471	CHIP 470OHM 1/8W
R935	9965 000 31127	61V0805102	CHIPR 1K OHM +-5% 1/8W
R936	9965 000 31128	61V06039311F	CHIPR 9.31KOHM+-1% 1/10
R937	9965 000 31129	61V06032431F	CHIP 2.43K OHM 1/16W 1%
R938	9965 000 31130	65T080510232	CHIP 1000P 50VX7R 0805
R939	9965 000 31110	61V0805104	CHIPR 100K OHM+-5% 1/8W
ZD901	9965 000 31131	93T39S15T	RLZ15B
NR901	9965 000 31132	61T58080WT	8 OHM NCT
FB901	9965 000 31133	71T5519T	FERRITE BEAD D9X3. 5X0.
J907	9965 000 31134	61T60220252T	CFR 2K C 5% 1/6W
L901	9965 000 31135	6T31502	1.5MM RIVET
T901	9965 000 31135	6T31502	1.5MM RIVET
	9965 000 31136	33T60071	LENS
	9965 000 31137	W33T4477BT	TOP COVER for Adaptor
	9965 000 31138	W33T4478BT	BOTTOM COVER for Adaptor

Inverter Board

Location / Item / Position No	Philips P/N	Vendor P/N	Description
	9965 000 31036	INTV560A5P	INVERTER BOARD
C1	9965 000 31269	67T215B2214HT	220UF
C2	9965 000 31076	65T080510422	0.1UF +-10% 25V X7R 080
C3	9965 000 31076	65T080510422	0.1UF +-10% 25V X7R 080
C4	9965 000 31076	65T080510422	0.1UF +-10% 25V X7R 080
C5	9965 000 31270	65T080510322	CHIP 0.01UF 25V X7R 080
C6	9965 000 31271	65T080510527	CHIP 1UF 25V Y5V 0805
C7	9965 000 31090	67T3052207T	22uf 50v
C8	9965 000 31271	65T080510527	CHIP 1UF 25V Y5V 0805
C9	9965 000 31272	64T179J2241AT	MKT CAP 0.22UF 100V
C10	9965 000 31273	65V3J2206ET	22PF 5% 3KV TDK
C11	9965 000 31273	65V3J2206ET	22PF 5% 3KV TDK
C12	9965 000 31076	65T080510422	0.1UF +-10% 25V X7R 080
CON1	9965 000 31274	33T38025H	WAFER 5P RIGHT ANELE PI
CON2	9965 000 31275	33T80202DU	WAFER
CON3	9965 000 31275	33T80202DU	WAFER
U1	9965 000 31276	56T6082	TL5001CDR
L1	9965 000 31277	73T25392Y	CHOKE COIL
L2	9965 000 31278	73T17430YSA	CHOKE COIL
F1	9965 000 31279	61V12060004	0 OHM 4A 1/4W
PT1	9965 000 31280	80VL15T7HG	X'FRM
D1	9965 000 31281	93T30042	SR34 PAN JIT
D2	9965 000 31282	93T39S3T	BZT52-C11
D3	9965 000 31283	93T6433P	BAV99
Q1	9965 000 31284	57T7605	DTC144WKA BY FOHM SMT
Q2	9965 000 31285	57T7604	DTA144WKA BY ROHM SMT
Q3	9965 000 31286	57T7633	AO4411L SO-8 BY AOS SMT
Q4	9965 000 31103	57T4174	CHIP PMBS3904 BY PHILIP
Q5	9965 000 31102	57T4176	PMBS3906/PHILIPS-SMT
Q6	9965 000 31287	57T7606	DTC143EKA SMT (23)
Q7	9965 000 31288	57T7612	2SC5706-TL-SMT
Q8	9965 000 31288	57T7612	2SC5706-TL-SMT
R1	9965 000 31289	61V0603303	CHIP 30K OHM 5% 1/10W
R2	9965 000 31290	61V0603512	CHIP 5.1K OHM 1/10W
R3	9965 000 31291	61V0603222	CHIPR 2.2K OHM+-5% 1/10
R4	9965 000 31292	61V0603000	CHIPR 0OHM +-5% 1/10W

R5	9965 000 31293	61V0603513	CHIP 51K OHM 1/10W
R6	9965 000 31294	61V0603333	CHIP 33K OHM 1/10W
R8	9965 000 31295	61V0603683	CHIP 68K OHM 1/10W
R9	9965 000 31296	61V0603472	CHIP 1.7K OHM 1/16W
R10	9965 000 31297	61V0603392	CHIP 3.9K OHM 1/10W
R11	9965 000 31298	61V0603471	CHIPR 470 OHM+-5% 1/10W
R12	9965 000 31295	61V0603683	CHIP 68K OHM 1/10W
R13	9965 000 31299	61V1206202	CHIP 2K 5% 1/4W
R14	9965 000 31299	61V1206202	CHIP 2K 5% 1/4W
R15	9965 000 31299	61V1206202	CHIP 2K 5% 1/4W
R16	9965 000 31299	61V1206202	CHIP 2K 5% 1/4W
R17	9965 000 31300	61V0603911	CHIP 910 OHM 1/10W
R18	9965 000 31300	61V0603911	CHIP 910 OHM 1/10W

Key Board

Location / Item / Position No	Philips P/N	Vendor P/N	Description
	9965 000 31038	KEPF560KPHP	KEY BOARD
CN101	9965 000 31264	33T80348S	8PIN 1MM
CN102	9965 000 31265	33T80346S	6PIN 1MM
R101	9965 000 31266	61V0805222	CHIP 2.2KOHM 5% 0805 1/
R102	9965 000 31267	61V0805512	CHIP 5.1KOHM 1/8W
R103	9965 000 31266	61V0805222	CHIP 2.2KOHM 5% 0805 1/
R104	9965 000 31267	61V0805512	CHIP 5.1KOHM 1/8W
SW102	9965 000 31268	77T6042CJ	TSDPA-2-T-NP
SW103	9965 000 31268	77T6042CJ	TSDPA-2-T-NP
SW104	9965 000 31268	77T6042CJ	TSDPA-2-T-NP
SW105	9965 000 31268	77T6042CJ	TSDPA-2-T-NP
SW106	9965 000 31268	77T6042CJ	TSDPA-2-T-NP
SW107	9965 000 31268	77T6042CJ	TSDPA-2-T-NP

Tuner Board (SVA)

Location / Item / Position No	Philips P/N	Vendor P/N	Description
	9965 000 31039	TUPF560A4P	TUNER BOARD (SVA)
C601	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C611	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C612	9965 000 31250	67T305V3313	330UF +/-20% 16V
C614	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C615	9965 000 31251	67T405V1017P	100UF 50V
C616	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C618	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C619	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C622	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C623	9965 000 31252	67T215B4713R	LOW E.S.R 470UF +/-20%
C624	9965 000 31252	67T215B4713R	LOW E.S.R 470UF +/-20%
C625	9965 000 31252	67T215B4713R	LOW E.S.R 470UF +/-20%
C626	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C627	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C628	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C629	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C630	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C631	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C632	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C633	9965 000 31254	65T060310131	CHIP 100PF 50V NPO
C634	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C635	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C636	9965 000 31256	65T060356031	CHIP 56PF 50V NPO
C637	9965 000 31256	65T060356031	CHIP 56PF 50V NPO
C638	9965 000 31251	67T405V1017P	100UF 50V
C639	9965 000 31257	65T060347132	CHIP 470PF 50V NPO
C640	9965 000 31078	65T060315232	CHIP 1500PF 50V X7R
C641	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C642	9965 000 31258	67T405V1003P	10UF 16V
C643	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C644	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C645	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C646	9965 000 31080	65T060333131	CHIP 330PF 50V NPO
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C648	9965 000 31258	67T405V1003P	10UF 16V

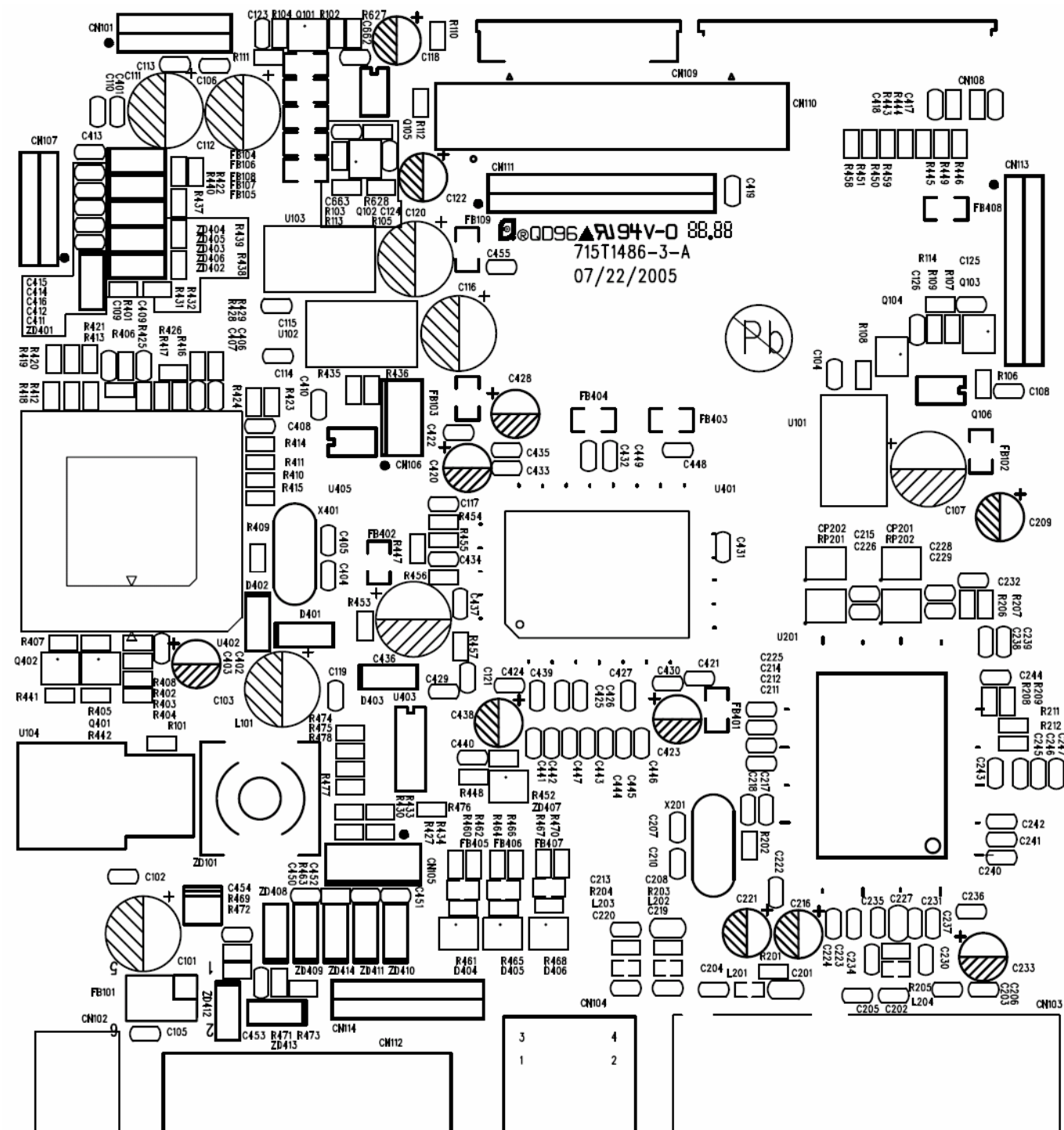
C649	9965 000 31078	65T060315232	CHIP 1500PF 50V X7R
C650	9965 000 31259	65T060322131	CHIP 220PF 50V NPO
C651	9965 000 31257	65T060347132	CHIP 470PF 50V NPO
C652	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C653	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C654	9965 000 31260	67T405V3397P	3.3UF 50V
C656	9965 000 31258	67T405V1003P	10UF 16V
C657	9965 000 31258	67T405V1003P	10UF 16V
C658	9965 000 31078	65T060315232	CHIP 1500PF 50V X7R
C659	9965 000 31257	65T060347132	CHIP 470PF 50V NPO
C660	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C661	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C662	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C663	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C664	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C666	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C668	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C669	9965 000 31251	67T405V1017P	100UF 50V
C670	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C671	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C672	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
R630	9965 000 31261	61T153M39959	3.9 OHM+-5% 3W
R631	9965 000 31261	61T153M39959	3.9 OHM+-5% 3W
R632	9965 000 31261	61T153M39959	3.9 OHM+-5% 3W
R633	9965 000 31261	61T153M39959	3.9 OHM+-5% 3W
FB601	9965 000 31303	71T56G301EA	CHIP BEAD 300 OHM 0805
FB602	9965 000 31303	71T56G301EA	CHIP BEAD 300 OHM 0805
FB603	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB605	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB606	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB607	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB608	9965 000 31303	71T56G301EA	CHIP BEAD 300 OHM 0805
FB612	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB613	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
TU100	9965 000 31262	94VNTSCM1P	FQ1236/FH-5
X601	9965 000 31263	93T2268BJ	18.432MHZ

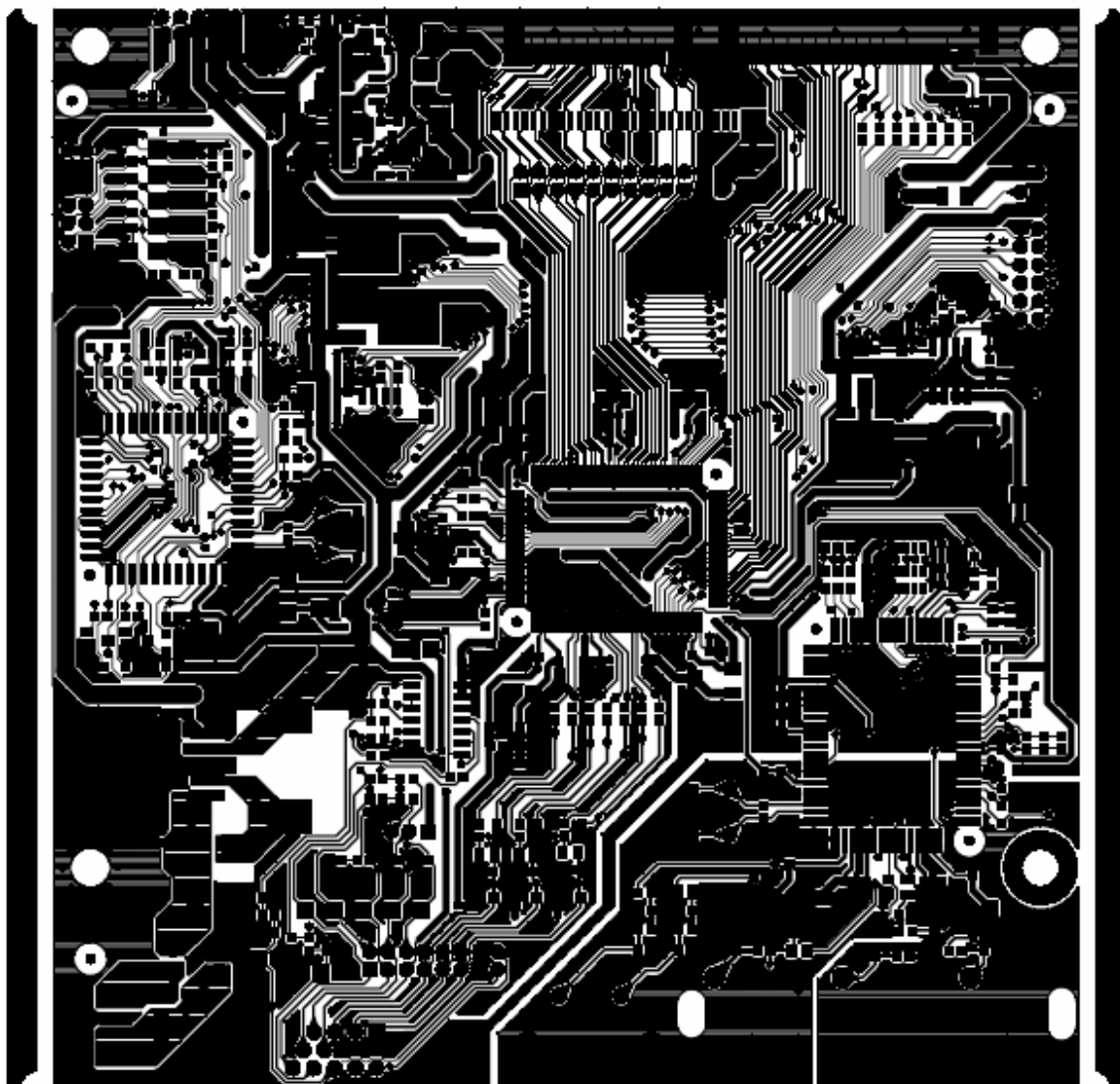
Tuner Board (CPT)

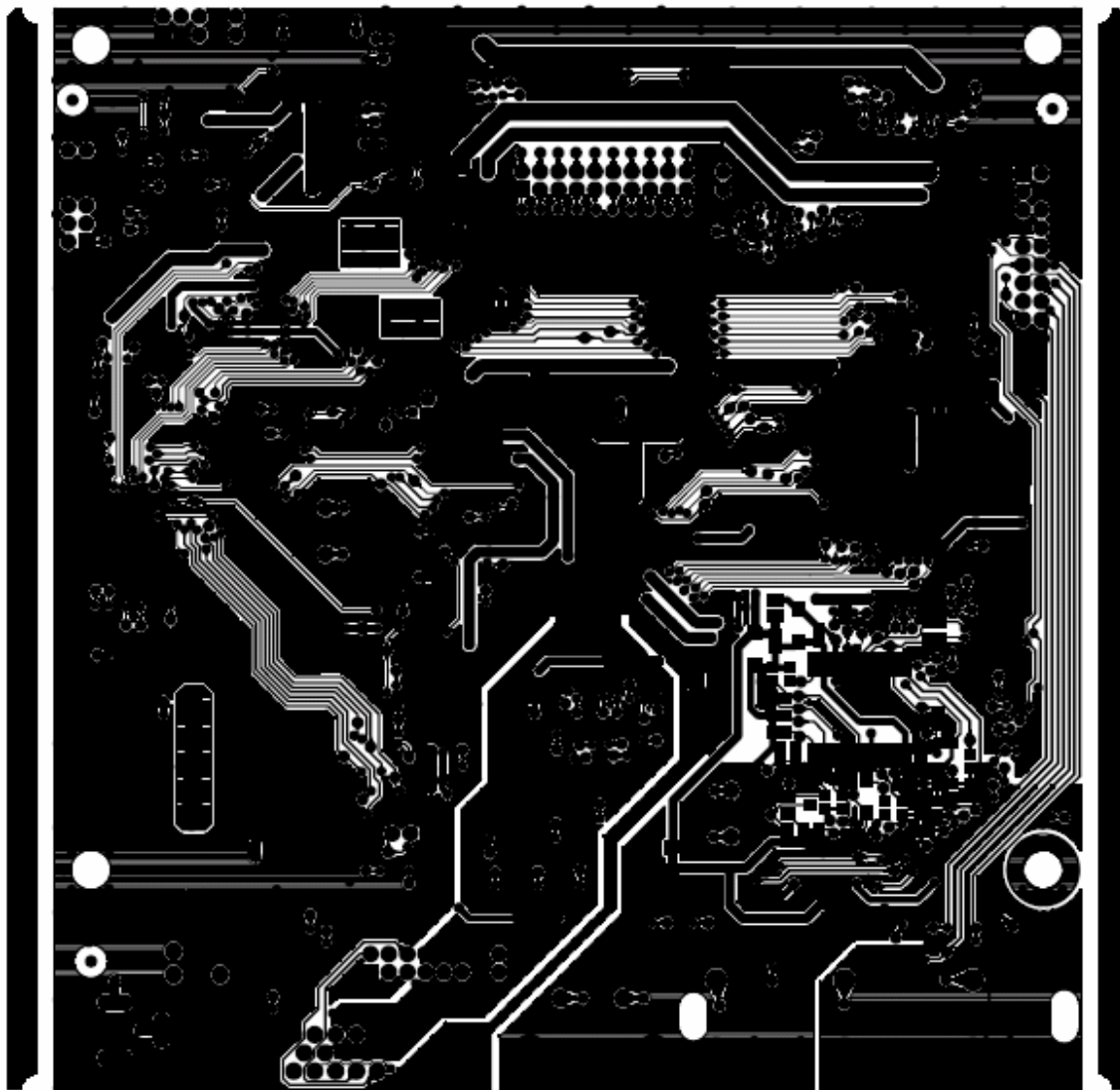
Location / Item / Position No	Philips P/N	Vendor P/N	Description
	9965 000 32683	TUPF560A5P	TUNER BOARD (CPT)
C601	9965 000 31248	65T060310332	CHIP 0.01UF 50V X7R
C611	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C612	9965 000 31250	67T305V3313	330UF +-20% 16V
C614	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C615	9965 000 31251	67T405V1017P	100UF 50V
C616	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C618	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C619	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C622	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C623	9965 000 31252	67T215B4713R	LOW E.S.R 470UF +/-20%
C624	9965 000 31252	67T215B4713R	LOW E.S.R 470UF +/-20%
C625	9965 000 31252	67T215B4713R	LOW E.S.R 470UF +/-20%
C626	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C627	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C628	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C629	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C630	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C631	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C632	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C633	9965 000 31254	65T060310131	CHIP 100PF 50V NPO
C634	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C635	9965 000 31255	65T060322031	CHIP 22PF 50V NPO
C636	9965 000 31256	65T060356031	CHIP 56PF 50V NPO
C637	9965 000 31256	65T060356031	CHIP 56PF 50V NPO
C638	9965 000 31251	67T405V1017P	100UF 50V
C639	9965 000 31257	65T060347132	CHIP 470PF 50V NPO
C640	9965 000 31078	65T060315232	CHIP 1500PF 50V X7R
C641	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C642	9965 000 31258	67T405V1003P	10UF 16V
C643	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C644	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C645	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C646	9965 000 31080	65T060333131	CHIP 330PF 50V NPO
C647	9965 000 31080	65T060333131	CHIP 330PF 50V NPO
C648	9965 000 31258	67T405V1003P	10UF 16V
C649	9965 000 31078	65T060315232	CHIP 1500PF 50V X7R

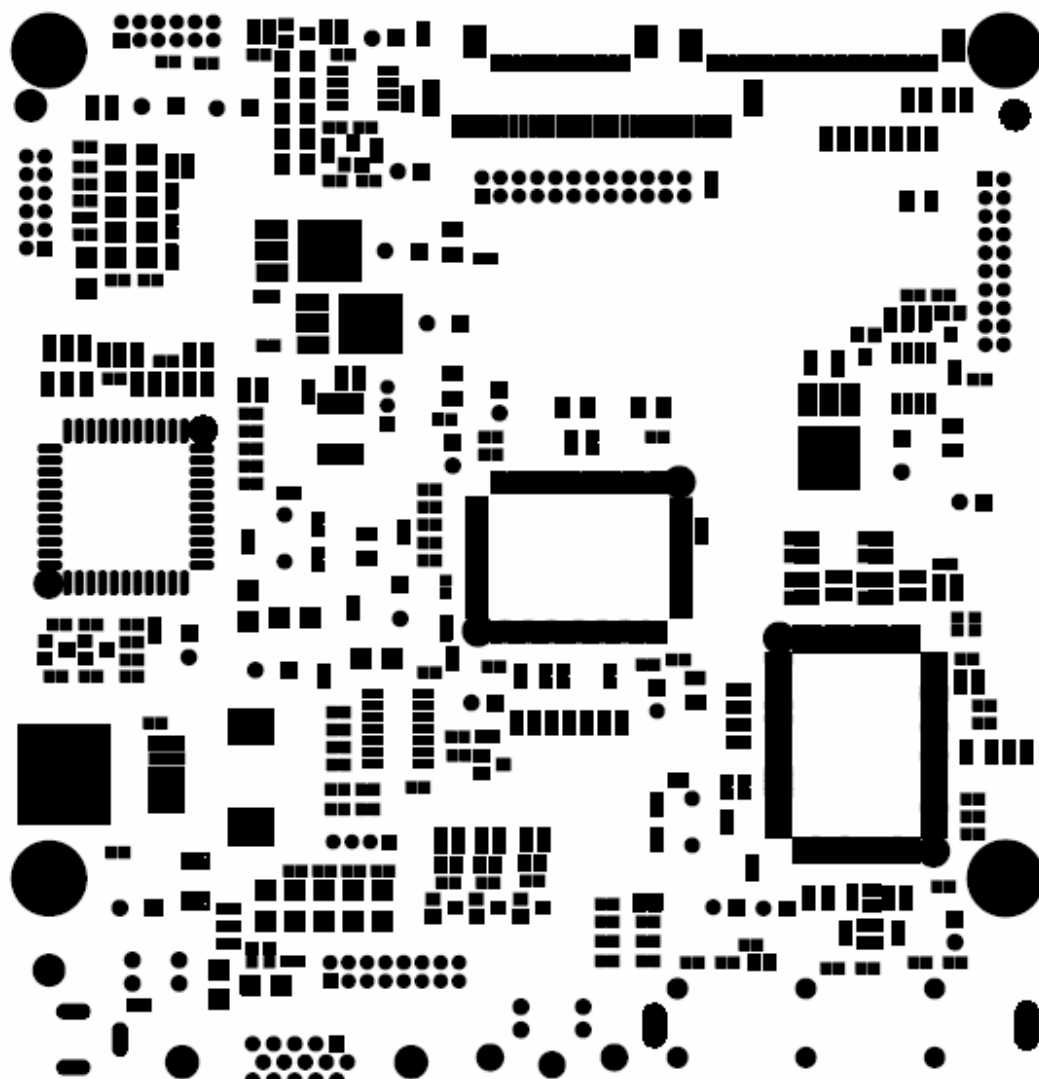
C650	9965 000 31259	65T060322131	CHIP 220PF 50V NPO
C651	9965 000 31257	65T060347132	CHIP 470PF 50V NPO
C652	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C653	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C654	9965 000 31260	67T405V3397P	3.3UF 50V
C656	9965 000 31258	67T405V1003P	10UF 16V
C657	9965 000 31258	67T405V1003P	10UF 16V
C658	9965 000 31078	65T060315232	CHIP 1500PF 50V X7R
C659	9965 000 31257	65T060347132	CHIP 470PF 50V NPO
C660	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C661	9965 000 31081	65T060310232	CHIP 1000PF 50V X7R
C662	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C663	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C664	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C666	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C668	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C669	9965 000 31251	67T405V1017P	100UF 50V
C670	9965 000 31249	65T060310432	CHIP 0.1UF 50V X7R
C671	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
C672	9965 000 31253	65T060310517	CHIP 1UF 16V Y5V
R630	9965 000 31261	61T153M39959	3.9 OHM+-5% 3W
R631	9965 000 31261	61T153M39959	3.9 OHM+-5% 3W
R632	9965 000 31261	61T153M39959	3.9 OHM+-5% 3W
R633	9965 000 31261	61T153M39959	3.9 OHM+-5% 3W
R645	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W
R646	9965 000 31316	61V0603223	CHIP 22KOHM 1/16W
FB601	9965 000 31303	71T56G301EA	CHIP BEAD 300 OHM 0805
FB602	9965 000 31303	71T56G301EA	CHIP BEAD 300 OHM 0805
FB603	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB605	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB606	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB607	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB612	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
FB613	9965 000 31304	71T56Z601	CHIP BEAD 600 OHM
TU100	9965 000 31262	94VNTSCM1P	FQ1236/FH-5
X601	9965 000 31263	93T2268BJ	18.432MHZ

12.1. Main Board

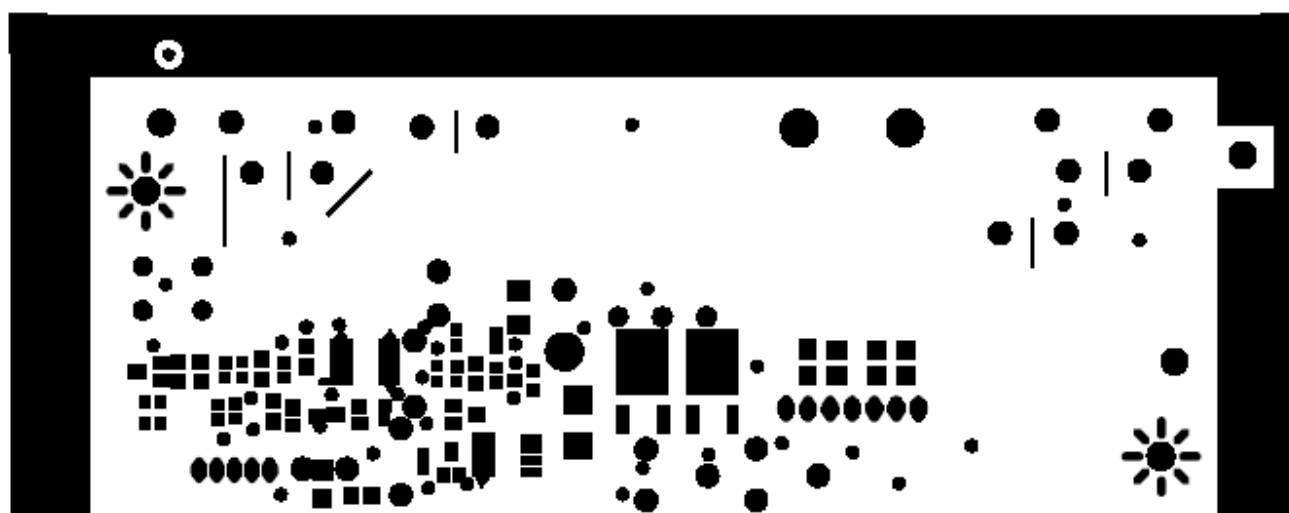
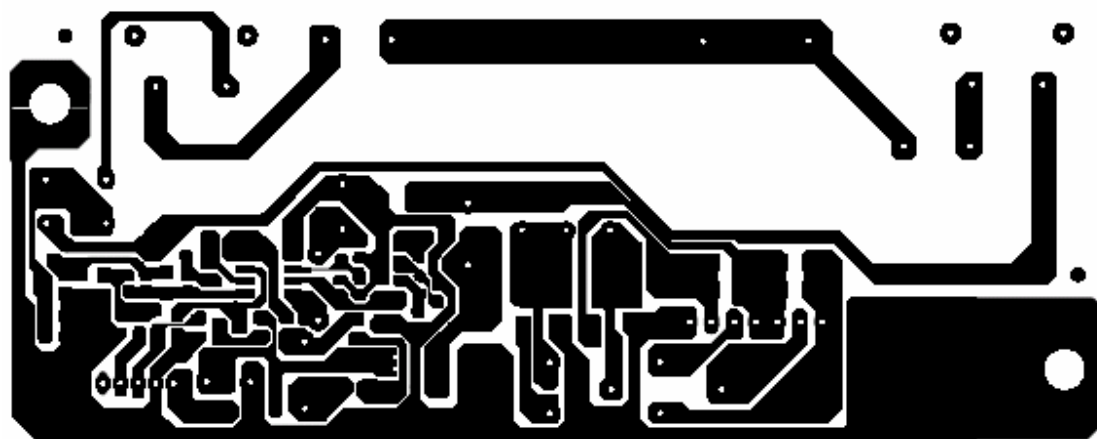
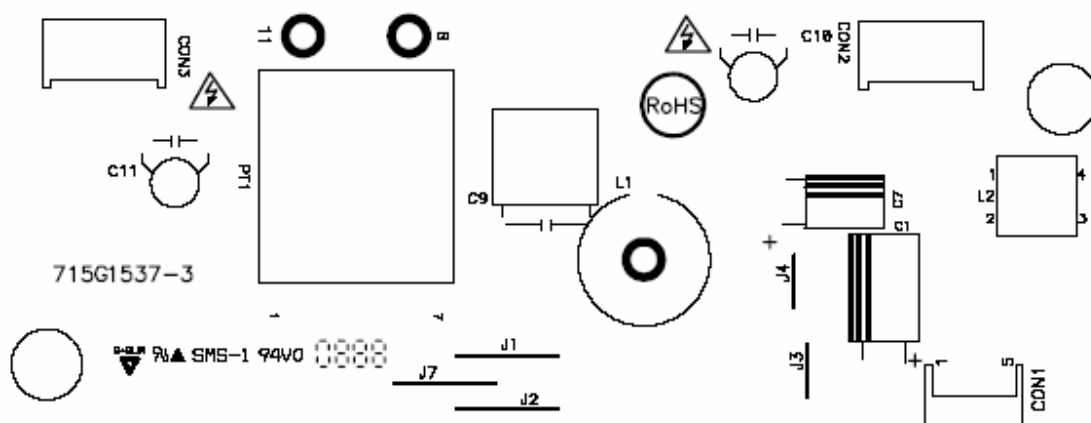




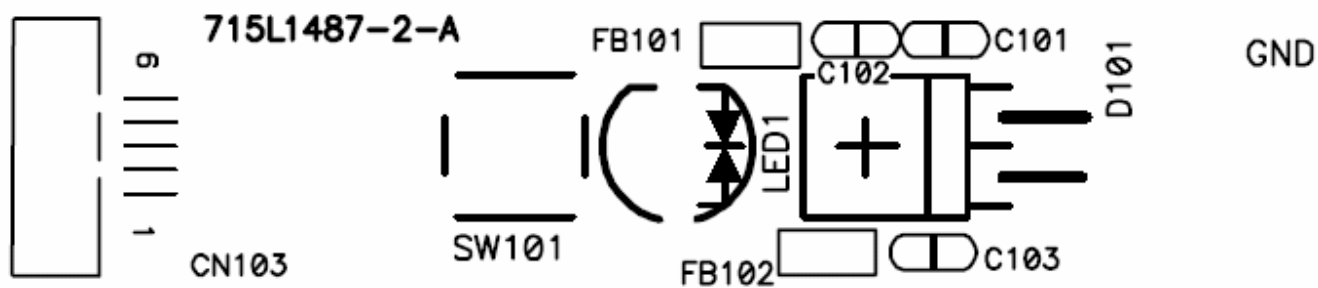




12.2. Power Board



12.3. IR/Key Board

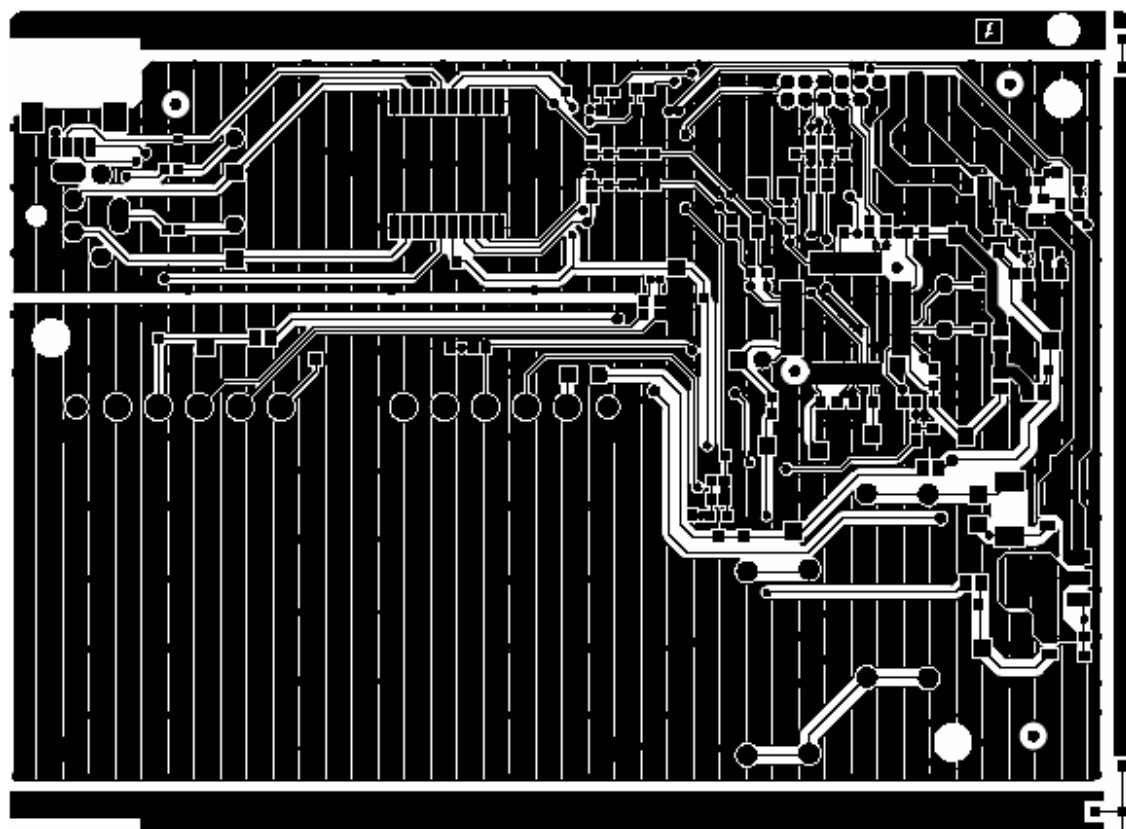
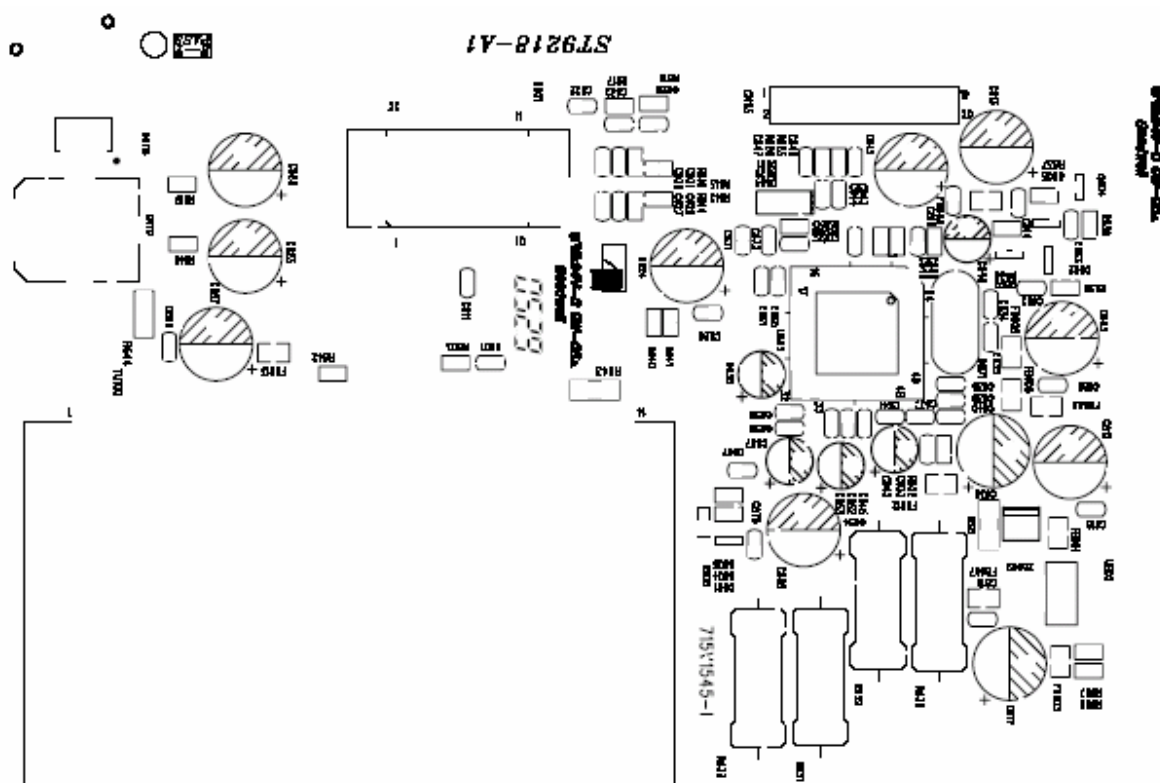


Key Board

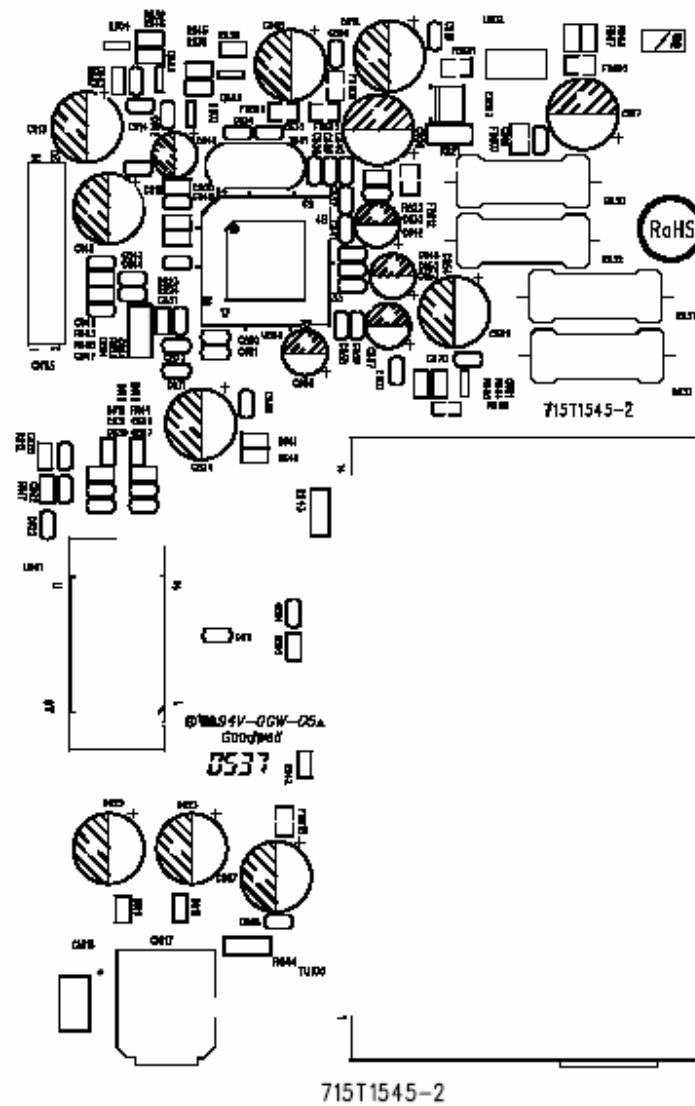


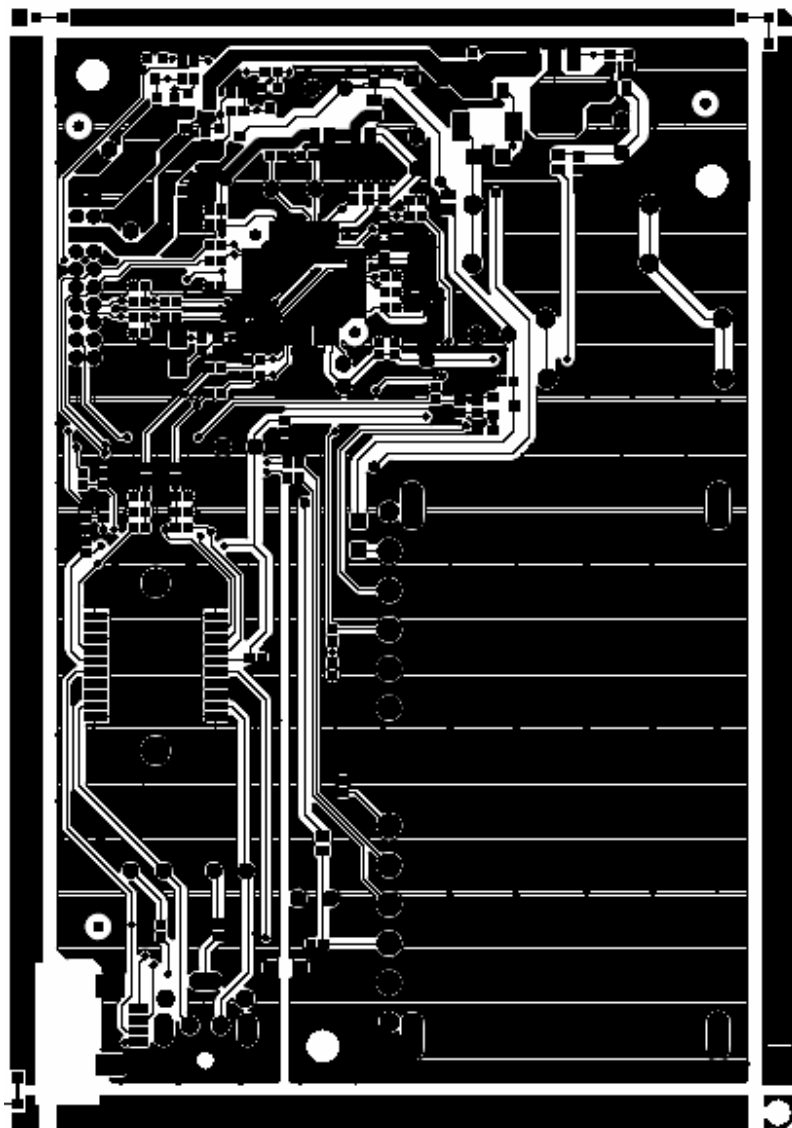
12.4 Tuner Board

For SVA panel model



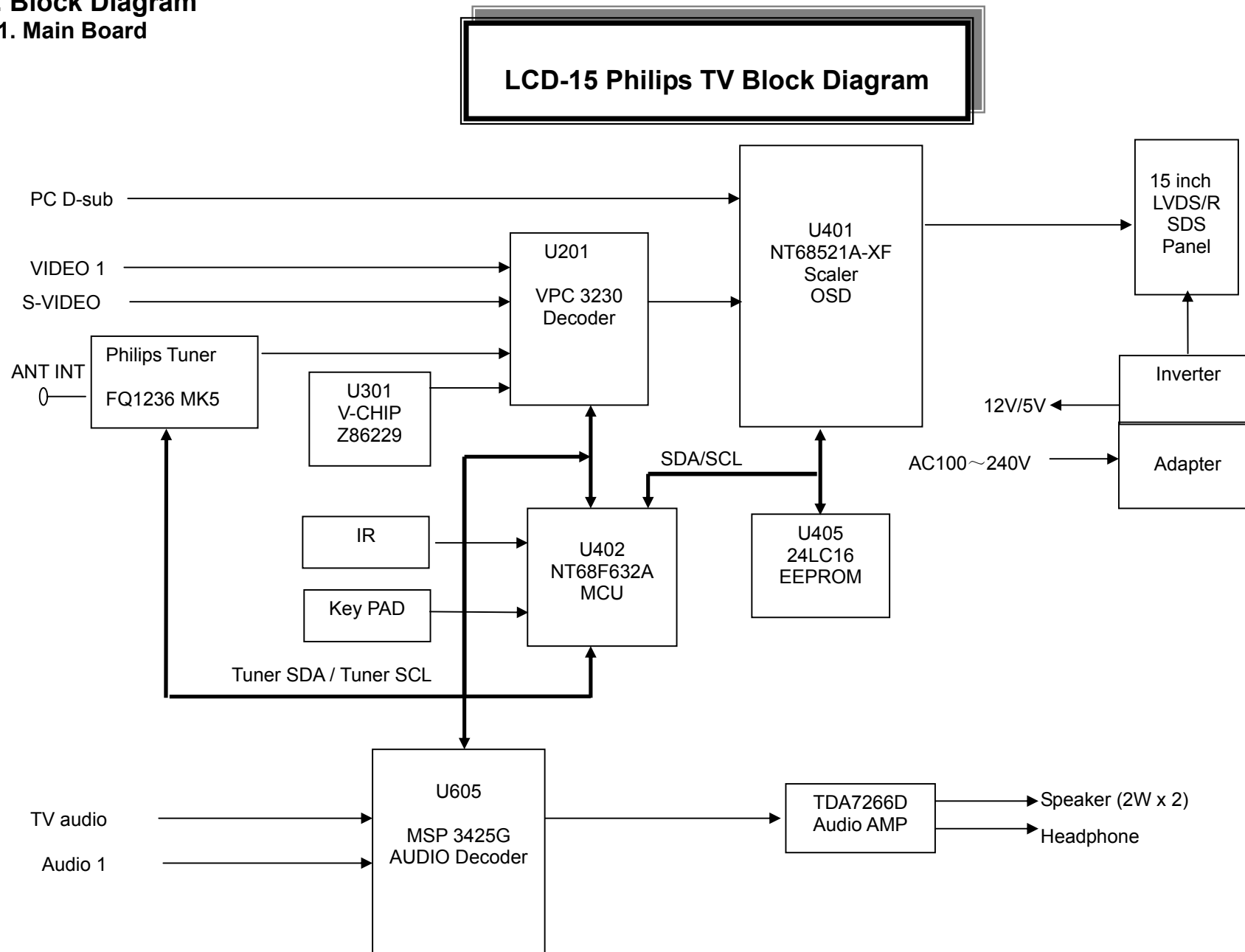
For CPT panel model



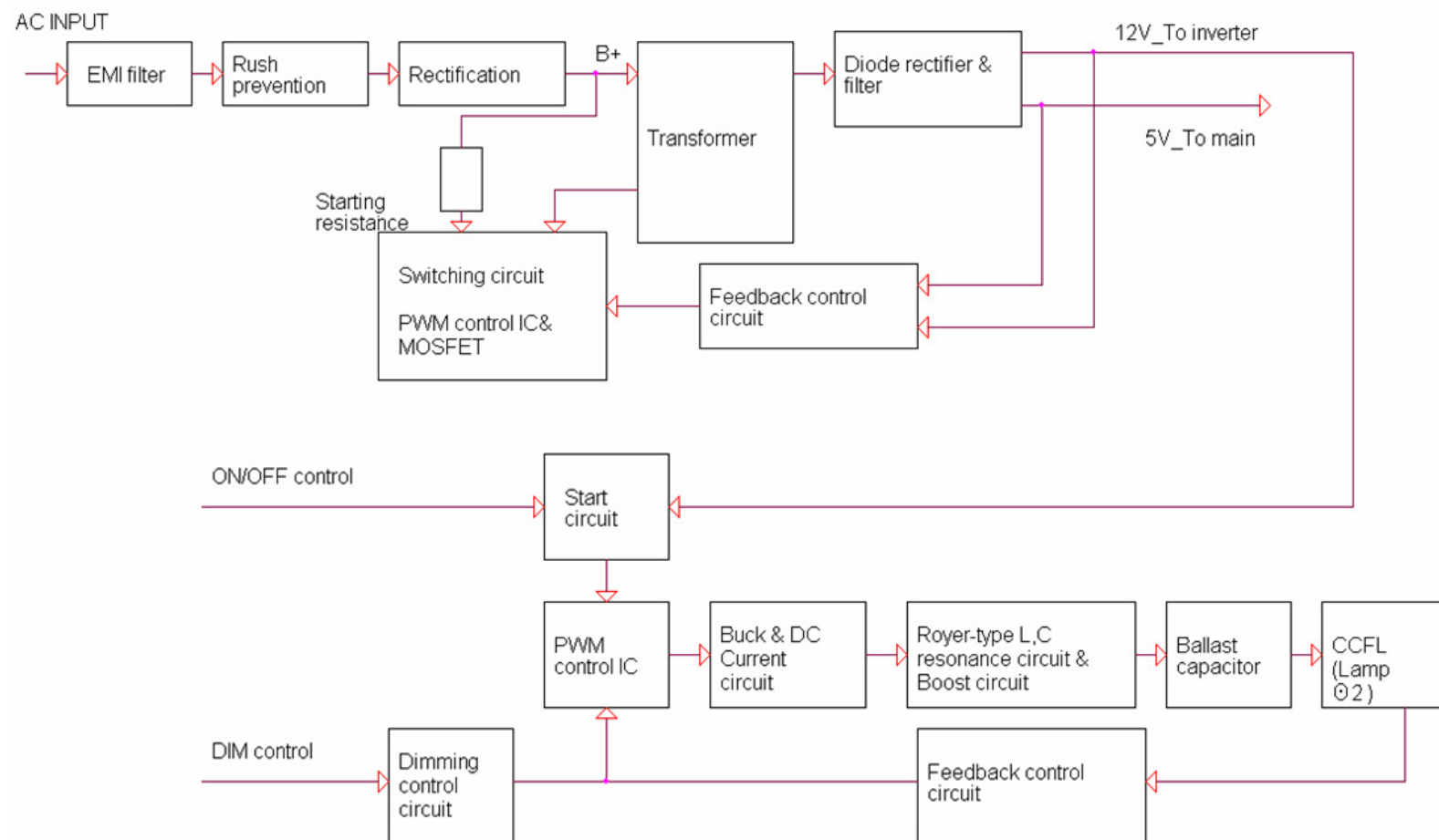


13. Block Diagram

13.1. Main Board

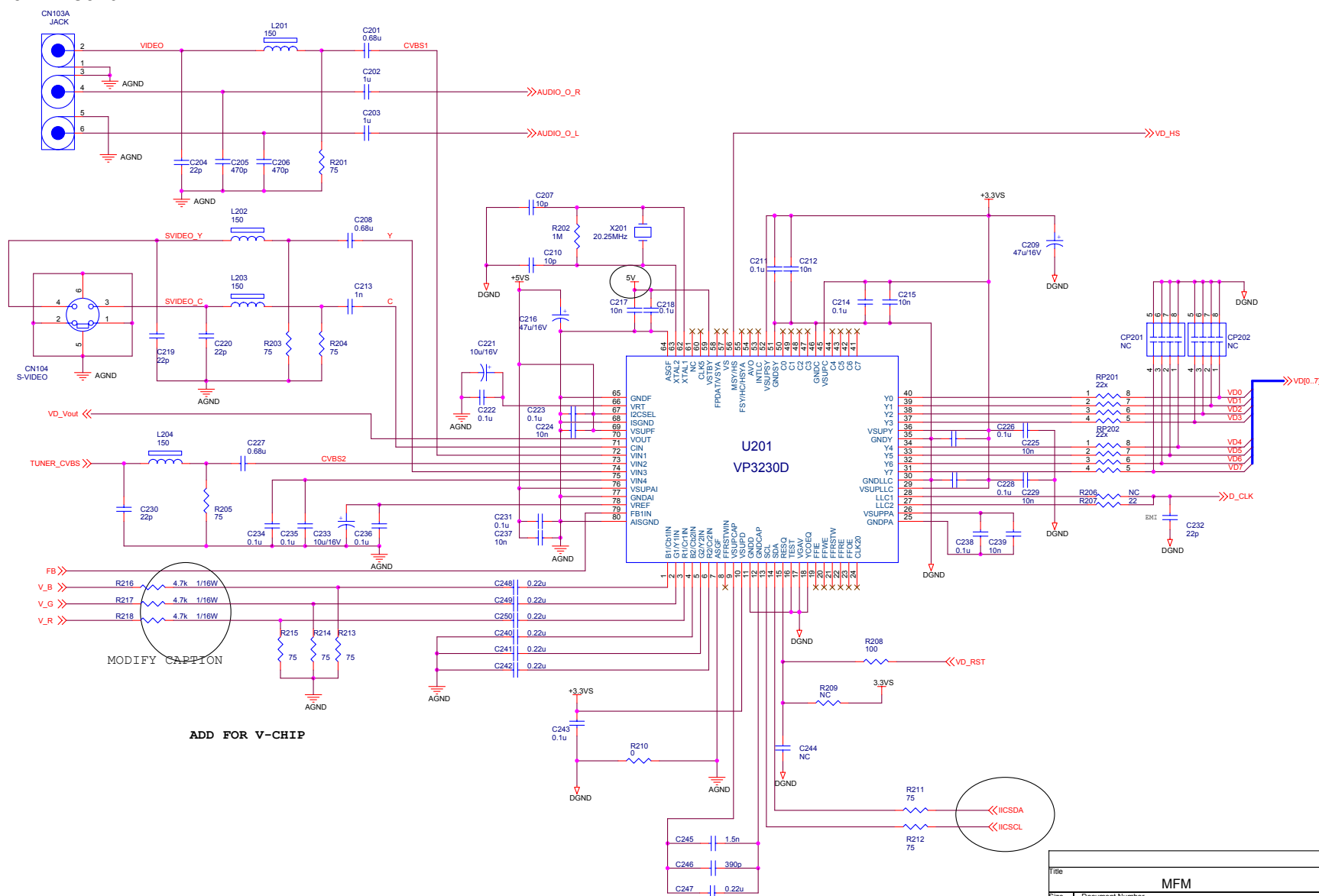


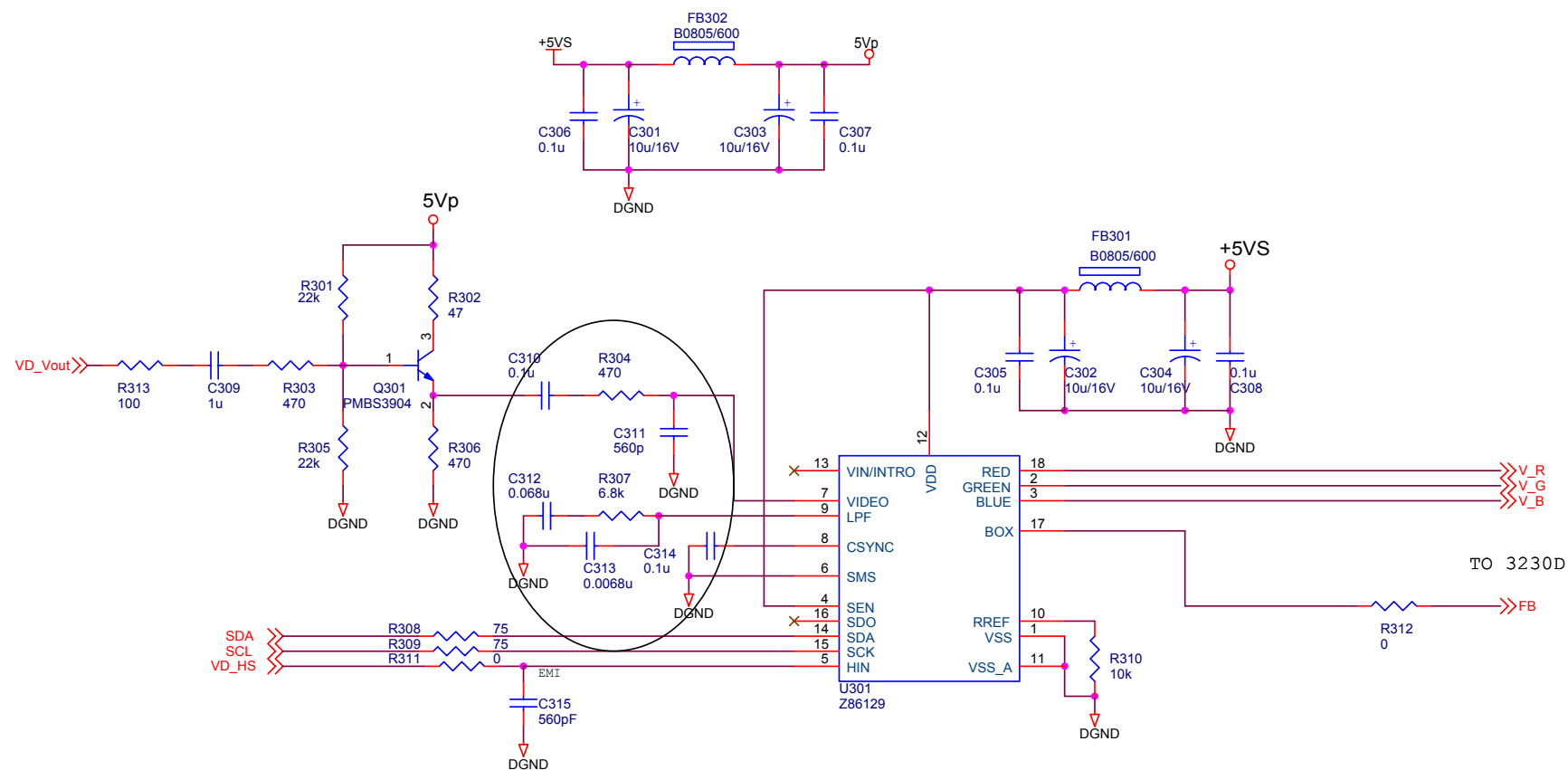
13.2 Power Board



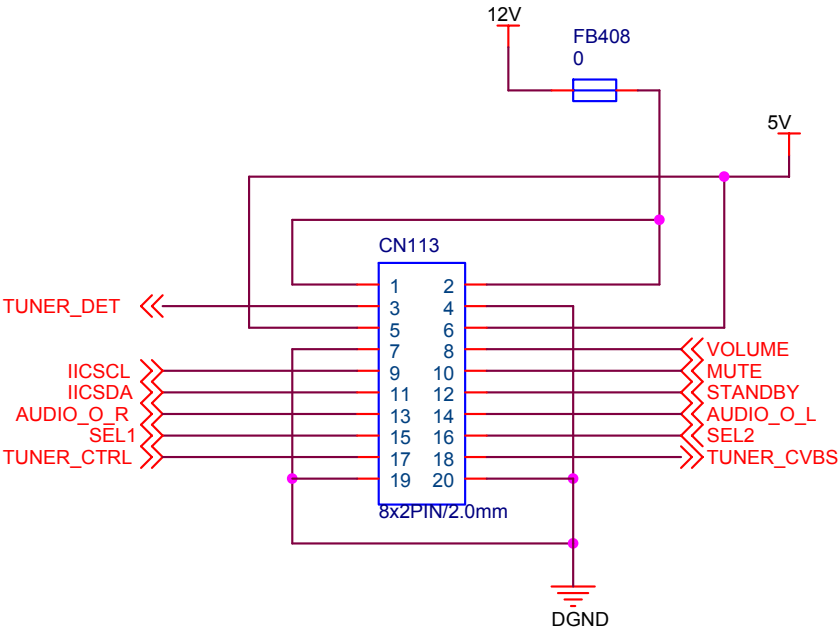
14. Schematic Diagram

14.1. Main Board

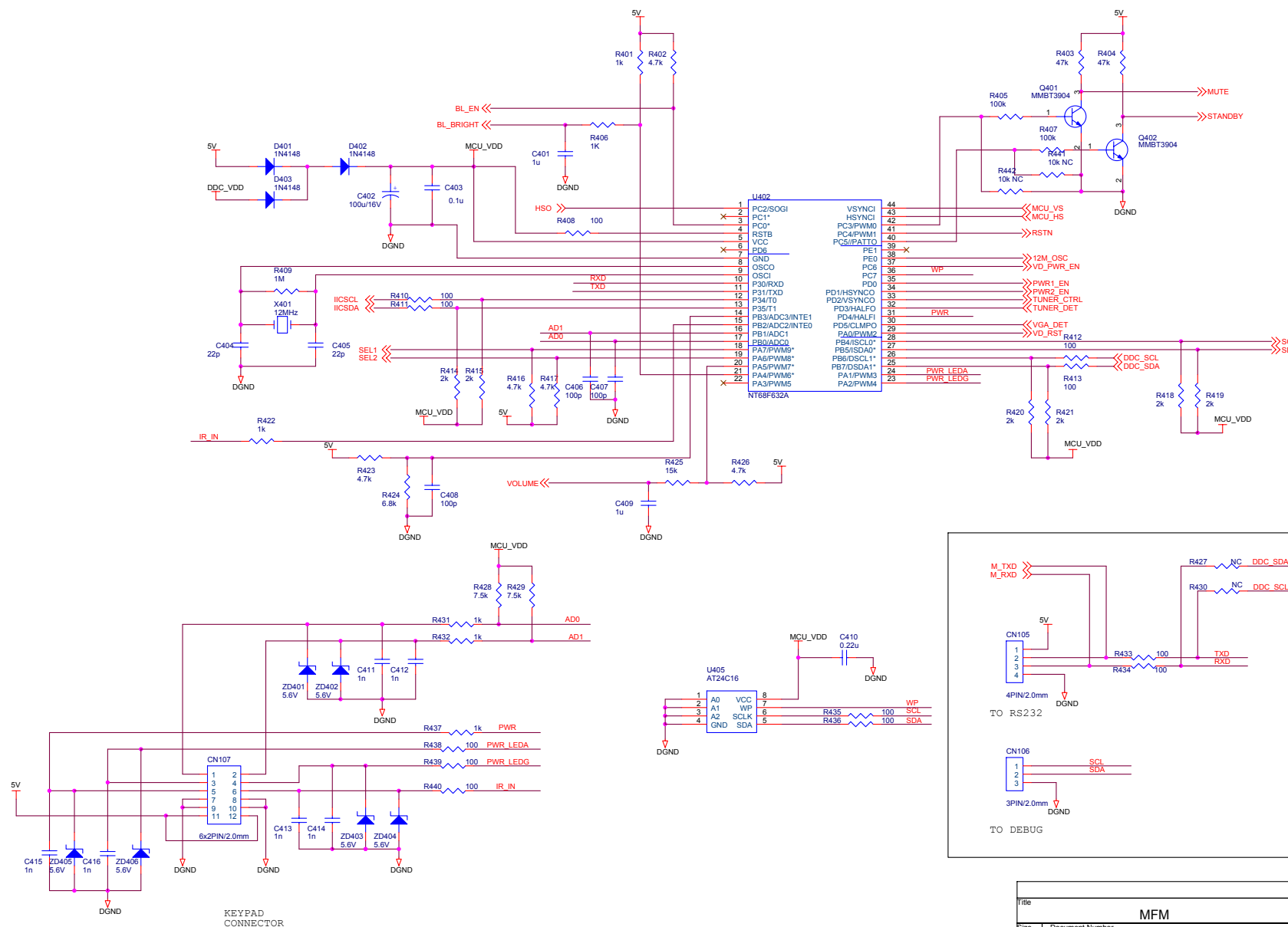




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Size	Document Number	Rev
A4	V-CHIP	0.2
Date:	Wednesday, March 30, 2005	Sheet 2 of 12



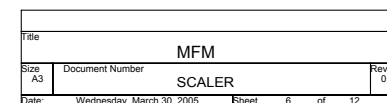
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Date:	Wednesday, March 30, 2005	Sheet 3 of 12

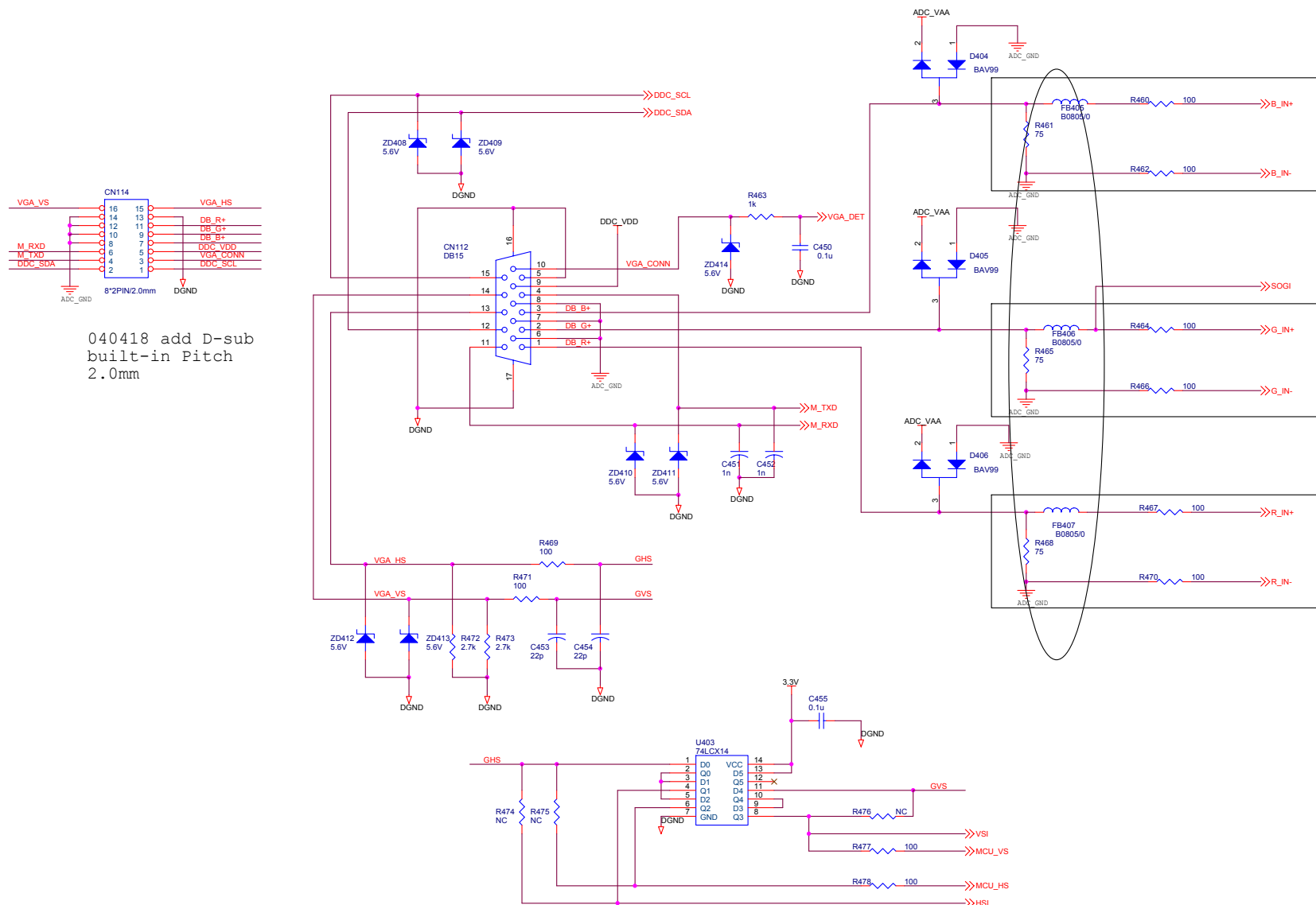


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A3	MCU	0.2
Date:	Wednesday, March 30, 2005	Sheet 4 of 12

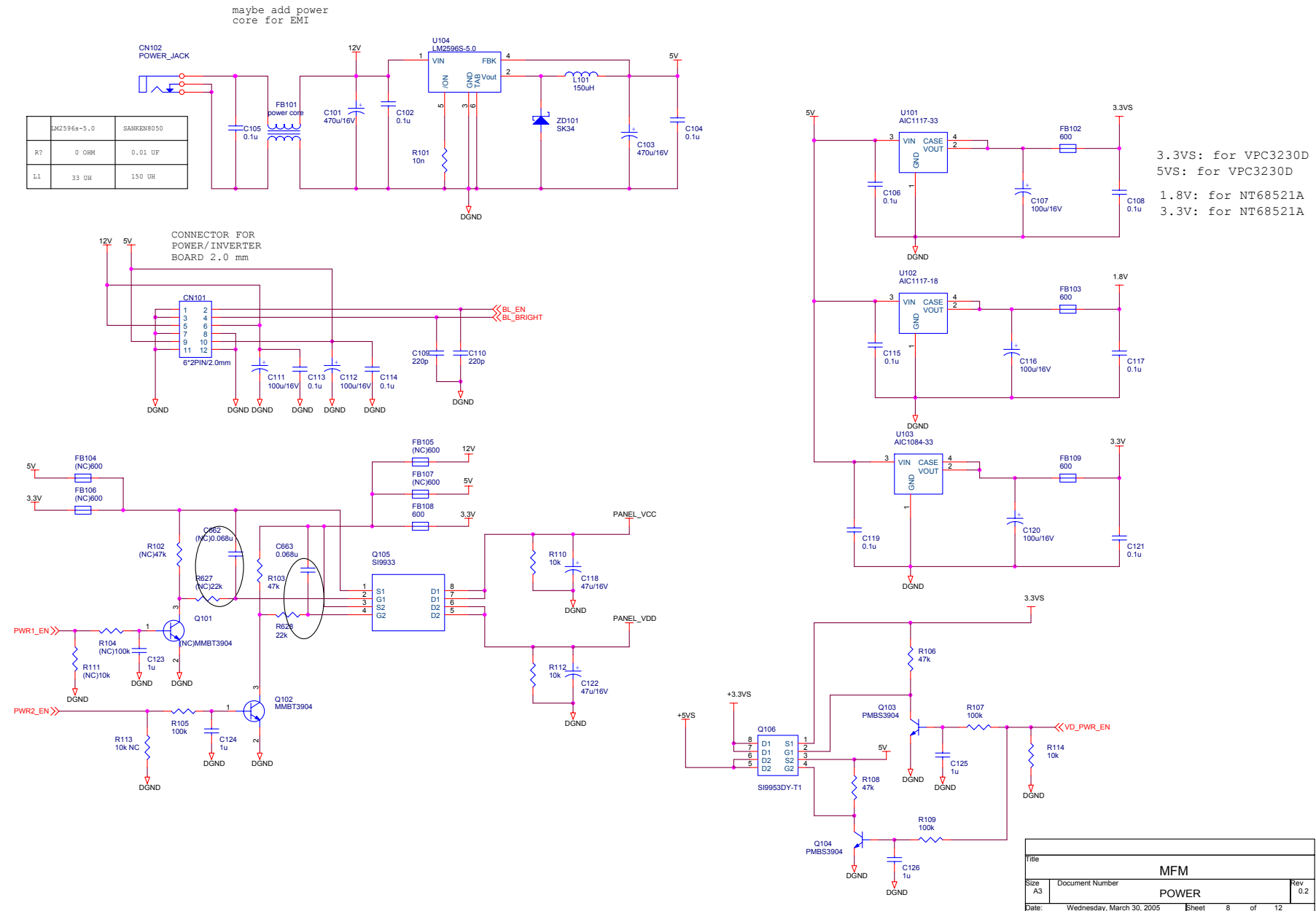


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Size A3	Document Number			Rev C
PANEL OUTPUT				
Date	Wednesday, March 30, 2005		Sheet	5 of 12

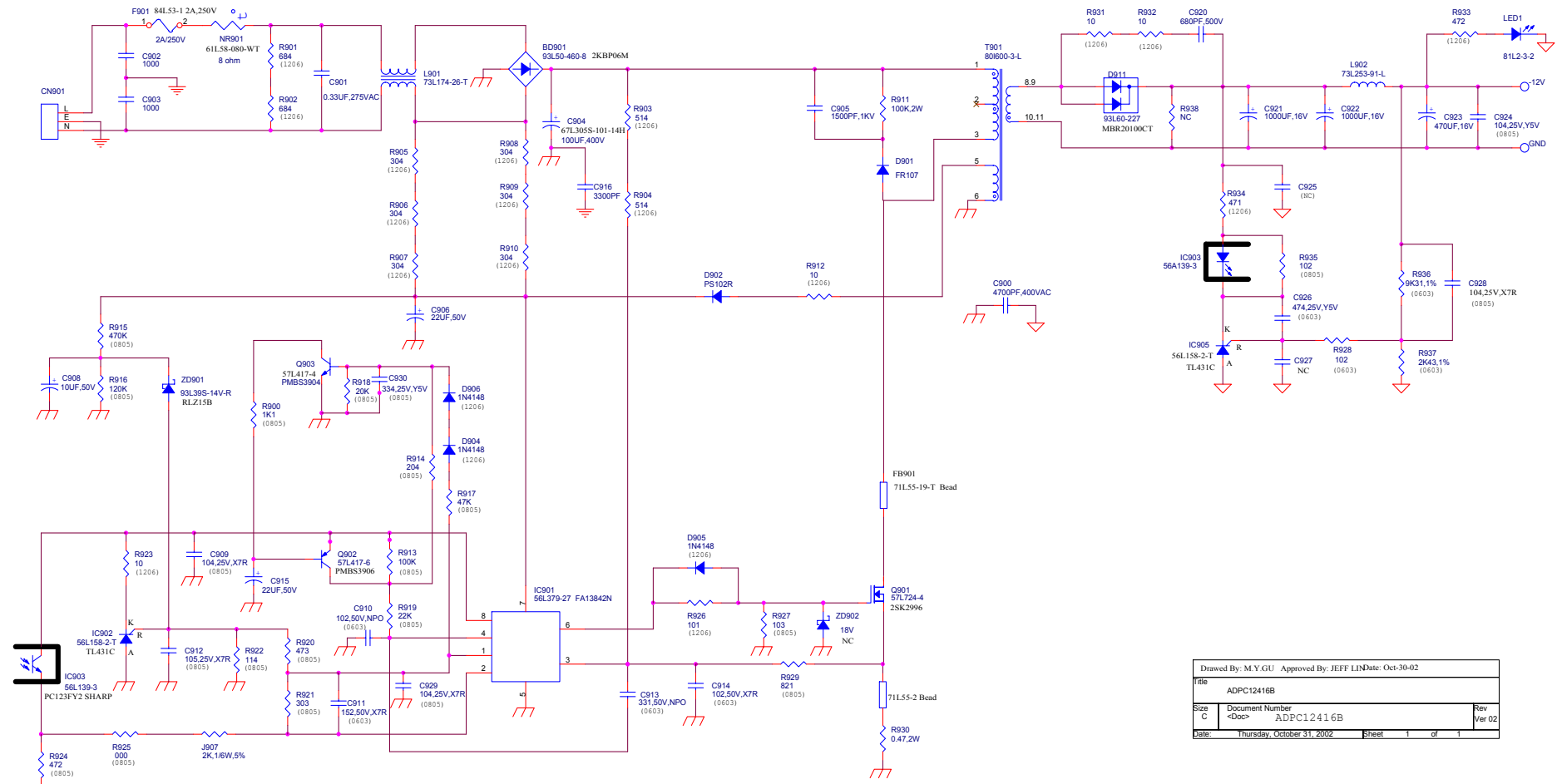


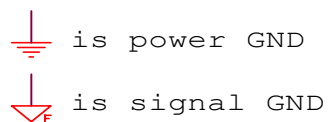


File	MFM		
Size	Document Number	VGA INPUT	
A3		Rev	0.2
Date:	Wednesday, March 30, 2005	Sheet	7 of 12



14.2. Power Board

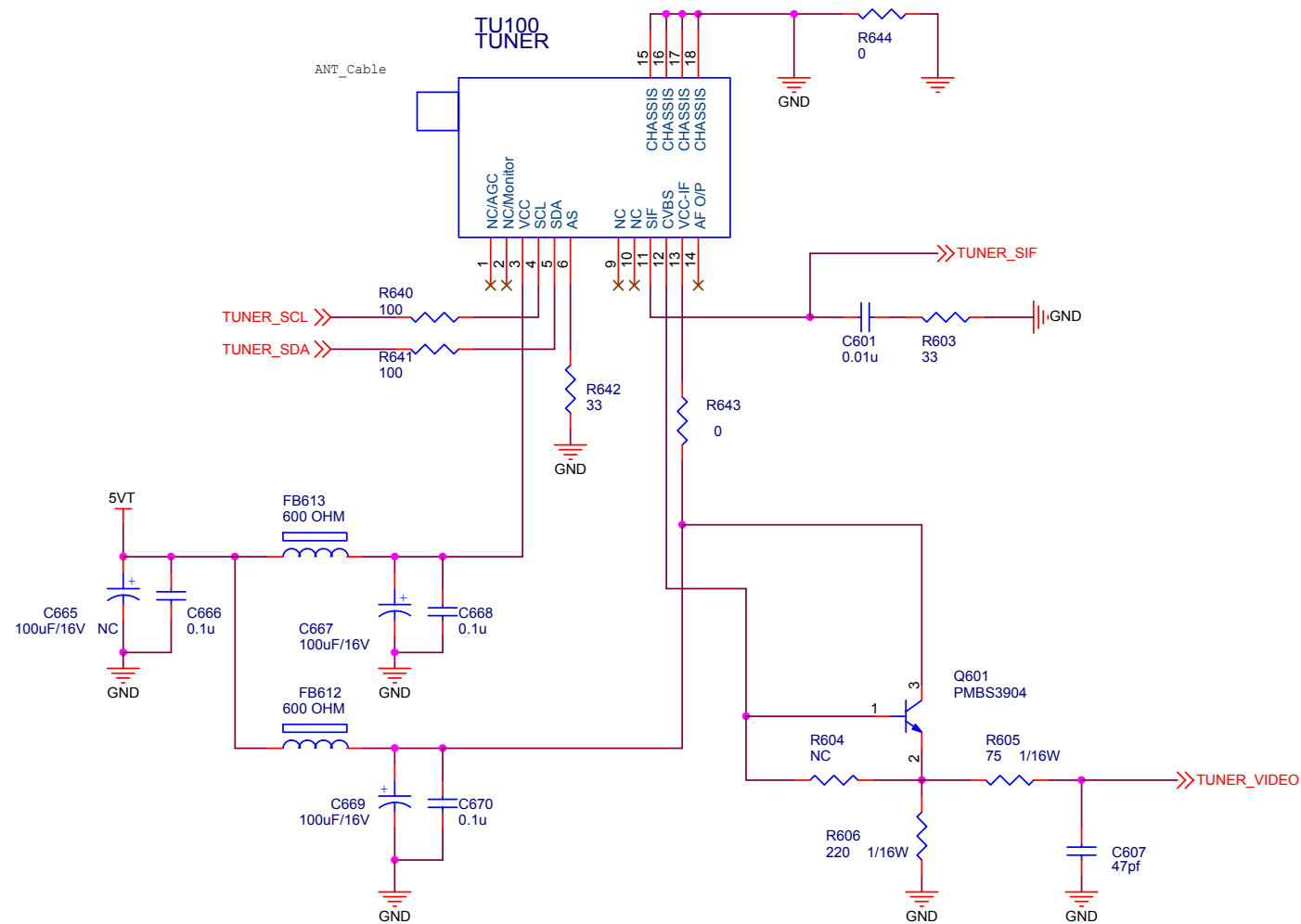




33LBU20-2U-PLC		33LBU20-2U-PLC	
AOC (Top Victory) Electronics Co., Ltd.			
Title		2LAMPS .INVERTER	
Size A	Document Number INPC560A5 (715* 1537-1)		Rev A
Date:	Sheet 1 of 1		

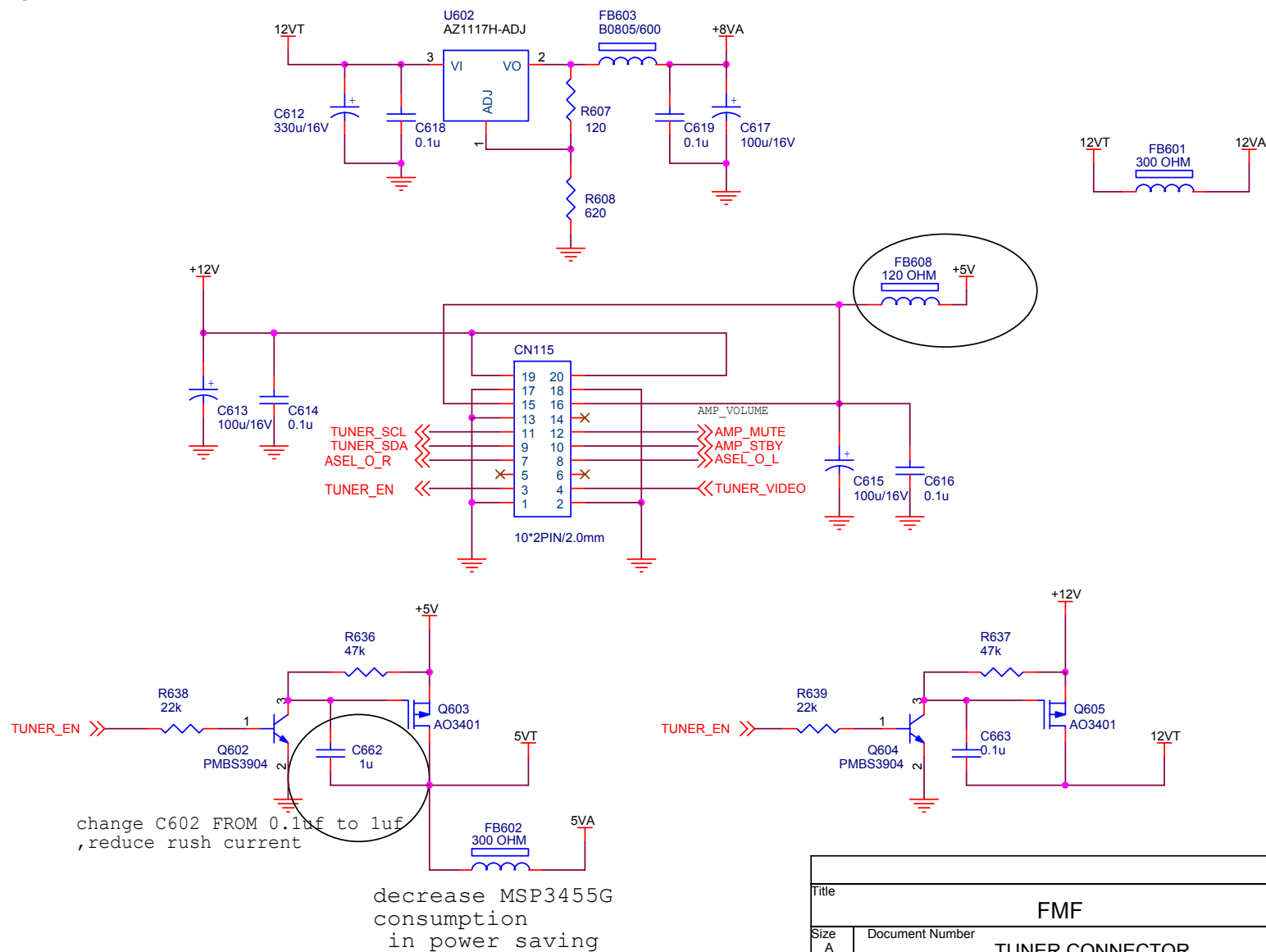


14.3. Tuner Board



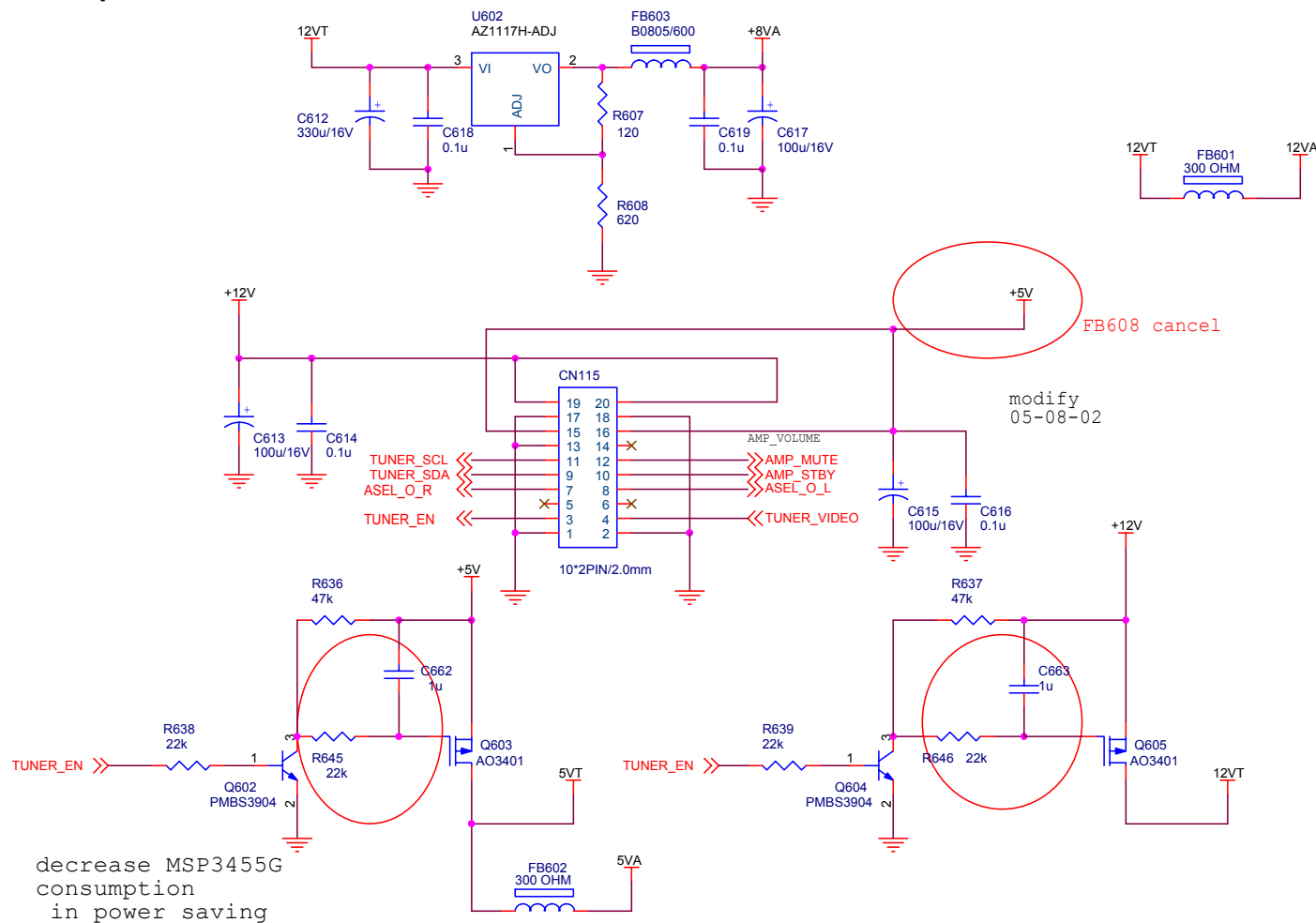
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FMF		
Size	Document Number	Rev
A	TUNER	0.1
Date:		
Sheet 1 of 4		

For SVA panel

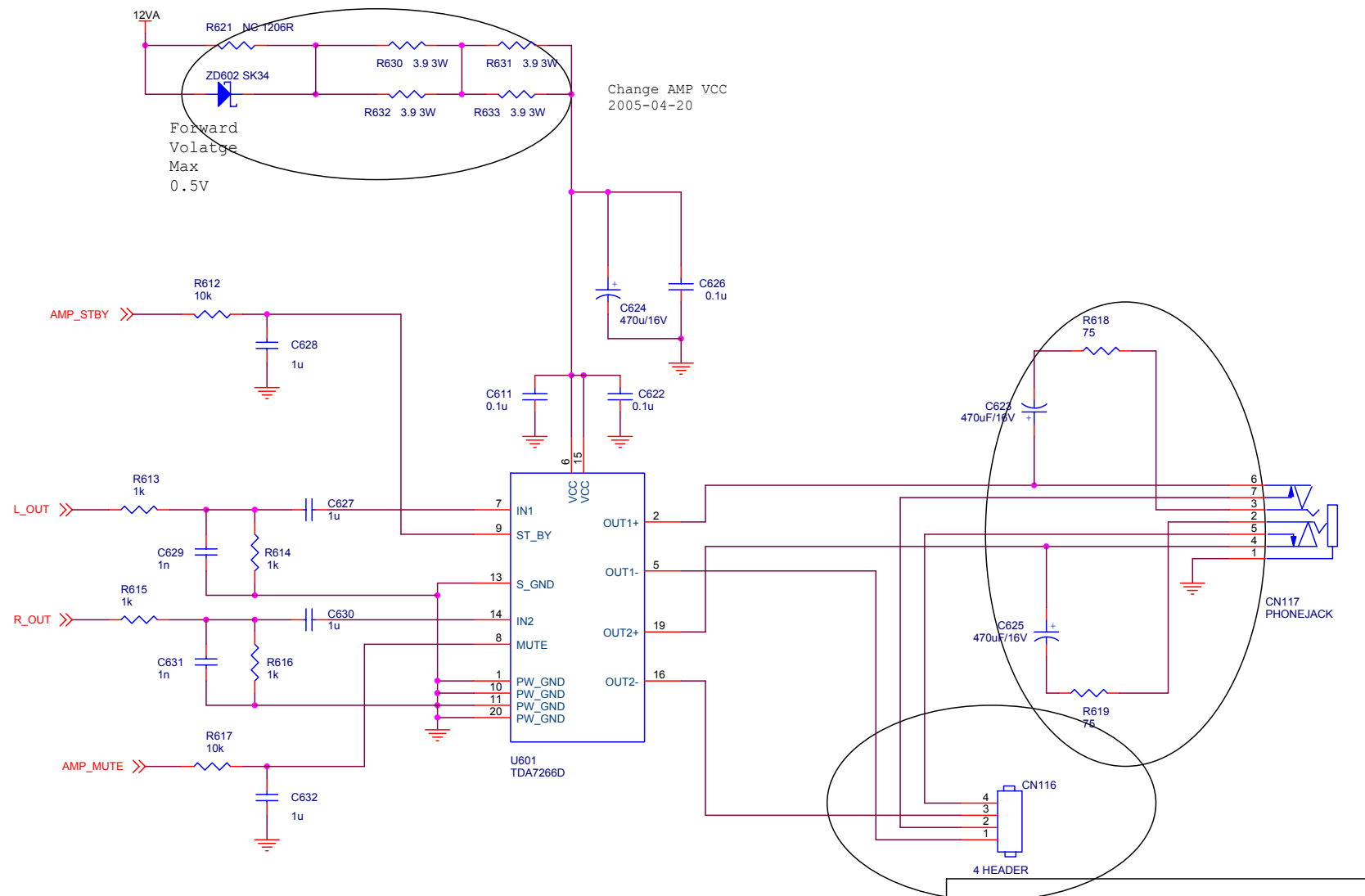


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Size A	Document Number TUNER CONNECTOR	Rev 0.1
Date:	Sheet 2 of 4	

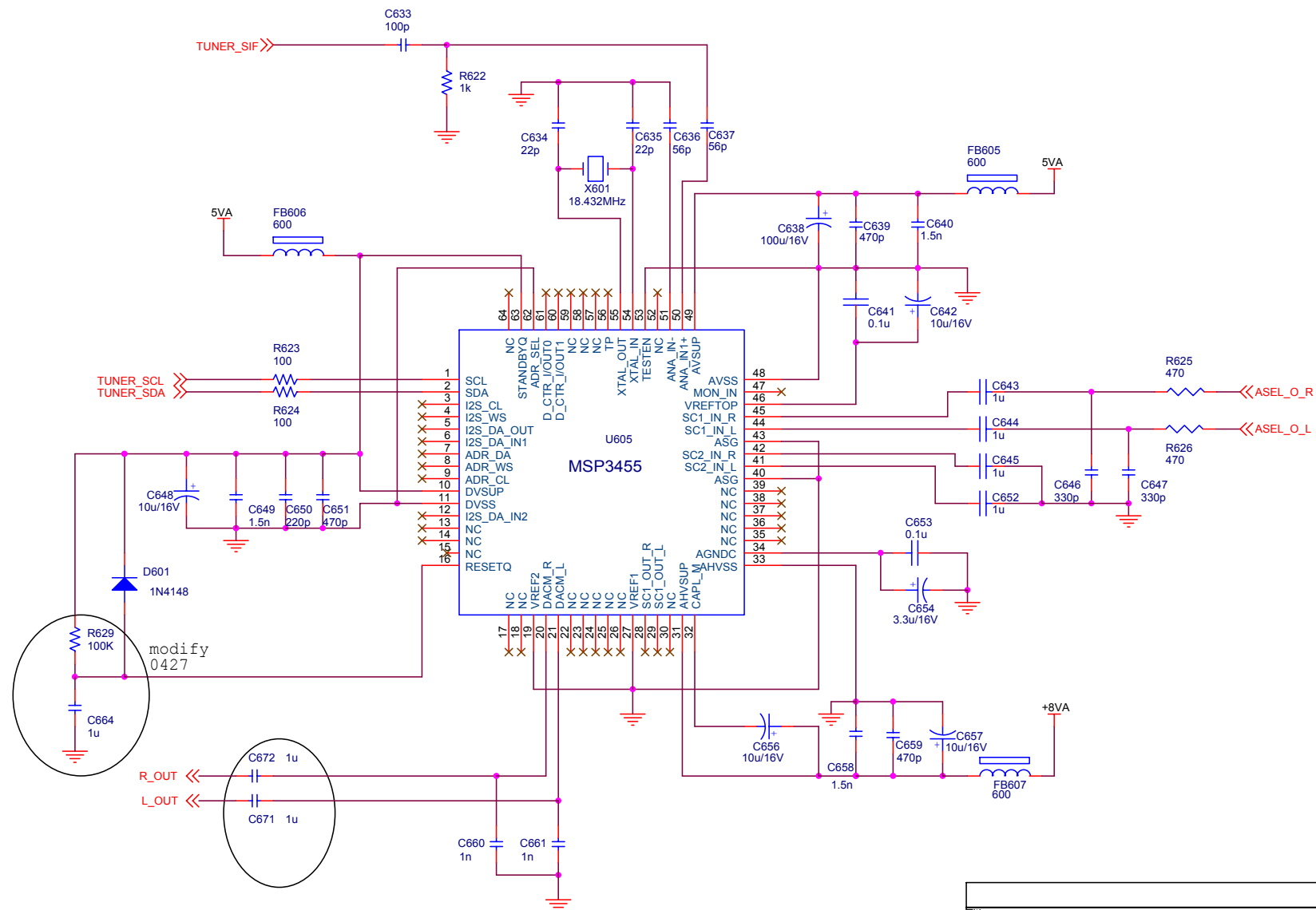
For CPT panel



Title		
FMF		
Size A4	Document Number TUNER CONNECTOR	Rev 0.1
Date:	Monday, September 26, 2005	Sheet 2 of 4



Title			
MFM			
Size	Document Number	Rev	
A4	AUDIO AMP	0.1	
Date:	Friday, September 30, 2005	Sheet	3 of 4



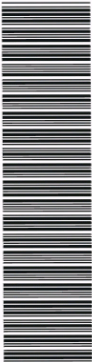
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Size	Document Number	AUDIO DECODER	
A4			Rev 0.1
Date:	Sheet	4	of 4

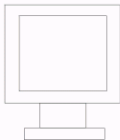
15. The Panel Source Identifies From SN

MODEL NO. **15MF400T/37**

LCD TV8639 000 16595

MODEL ID. **15MF400T/37**





UPC

0 137849 196552 18

MADE IN CHINA SERIAL NUMBER **AU1A0541000001**

21

0541

MODEL NO. **15MF400T/37**

LCD TV8639 000 16595

MODEL ID. **15MF400T/37**





UPC

0 137849 196552 18

MADE IN CHINA SERIAL NUMBER **AU2A0541000001**

21

0541

Note:

	TPV model	Customer model	Bar code
SVA model ----E565VNNKC2PLTMP		15MF400T/37	AU 1 A0541000001
CPT model ----E565CNNKC2PLTMP		15MF400T/37	AU 2 A0541000001

Detail definition of Bar code:

AU---FQ factory

1--SVA panel

2--CPT panel

A--Service version change code

05--year

41--week

00--fixed

0001--serial No. (Should be reset to Zero per week)