Service
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Service Manual

Horizontal Frequency
31.5-60 kHz

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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 TRANSFOMER FOR THIS UNIT WHEN SERVICING

TPV AOC EYES VALUE

Revision List

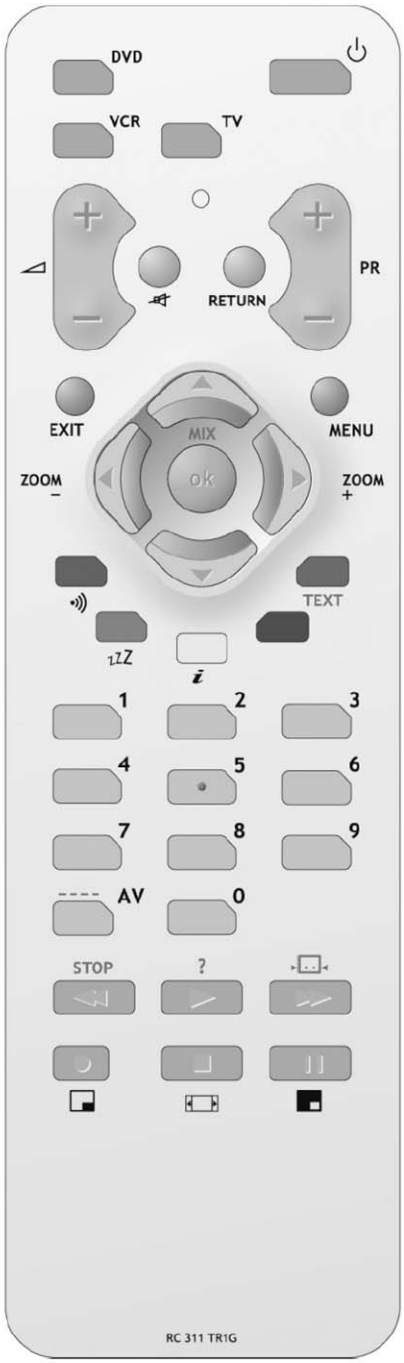
Version	Release Date	Revision Instructions	TPV Model
A00	Jul-05-2006	Initial Release	E326MTNBD4TENP

1. Monitor Specifications

Items		Specification
LCD Panel	Panel Type	32" CMO V320B1-L01 panel
	Driver Element	a-si TFT active matrix
	Aspect Ratio	16: 9
	Pixel Number	1366 x 768
	Active Display Area H x V	708.954(H) x 398.592 (V)
	Pixel Pitch	0.5190 (H) x 0.5190 (V)
	Contrast Ratio	1000:1 (type)
	Brightness	550:1 (type)
	Response Time	8ms
	View Angle (CR≥20)	H: 176/V: 176 (CR≥20)
	Display colors	16.7M
	Lamp Type/Life	60000 hr (type)
	Color Temperature	Cool / Warm
Video Inputs	CVBS, S-Video, Component, SCART (RGB + Composite),HDMI	
Video system	NTSC/PAL/SECAM	
Audio Output	Audio Output: L / R	Headphone Mini-jack for stereo (3.5ø)
OSD language (default)	English	
Table Stand	Included	
Wall Mount	VESA 100 x 100 mm	
Power	Power Supply	AC100V~240V, 50/60Hz
	Power Consumption	<160W
Environment	Operating Tem.	+ 0 °C ~ + 40 °C
	Storage Tem.	- 10 °C ~ + 50 °C
	Operating humidity	10% ~ 85%
	Storage humidity	5% ~ 85%

2. Operations Instructions

2.1 The Use Of Remote Control



Press this key to turn on or on stand-by the TV set.

PR
Press PR+ or PR– to scroll through the channels.

Press + or – to increase or decrease the volume.

1ZZ
Press this key to adjust the automatic shut-off time (from 0 to 120 minutes). Each key press increase this time 15 minutes. The timer begins to count down from the number of minutes selected after the display has disappeared.

Press this key to swap main picture and small picture when PIP is working.

Press this key to display PIP/PAP screen

Press this key to adjust PIP size when PIP is working.

MENU
Press this key to display main menu.

EXIT
Press this key to exit main menu

Teletext function and buttons will describe on next page.

i
Press this key to display :
- the channel number when watching a TV program.
- the input source when watching an AV program.

Press this key to mute the sound.
Press this key again to restore it.

0~9 DIGIT BUTTONS
To select a TV channel.

RETURN
Press this key to return to previously selected TV channel or return to previously selected input source.

AV
Press this key to return last AV or press repeatedly to select desired input source

Press this key to select sound type (Mono, Stereo or Dual if broadcasted by the TV channel).

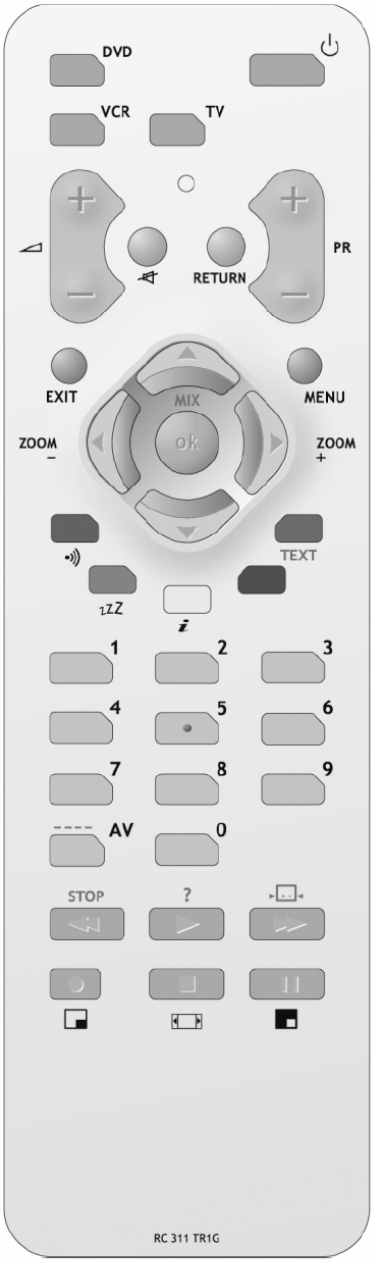
Zoom +,-
Press these key to select desired picture format (4:3, 14:9, CINERAMA, 16:9)

TV: To access TV mode
Press this button to control the television
DVD: To access DVD mode.
VCR: To access VCR mode

2.2 The Use Of Teletext

TELETEXT

The Teletext service is available in many countries under a variety of names (TOP Text, Fastext, FLOF text,Videotext). It is provided as a free service by television broadcasters.This service provides a real wealth of information, available at any time, on weather, sports results, news, games, etc.The information is presented in pages or organised in topics specified in colour on the screen and you can access this information by simply pressing the buttons of the relevant colour on the remote control.



TEXT
Press this key, Teletext will display the last page selected, or if you have changed channel, the index page (usually 100).
*Press **EXIT** to leave Teletext.*

OK
Press this key to superimpose the teletext over the TV picture. A 2nd key press displays the teletext in the left part of the screen. Press again to return to Teletext mode.

Press this key, once to zoom in on the top part of the screen, a second time to zoom in on the bottom part of the screen and a third time to return to normal display.

RED / GREEN / YELLOW / BLUE
If Fastext is available, use **coloured keys** to access directly to the relevant colour topics.

Press this key to select subtitle page.
If the displayed page is not the subtitle one, search its number in the index page and select it.

STOP
Press this key to stop the page scrolling. Press it again to restart the page scrolling.

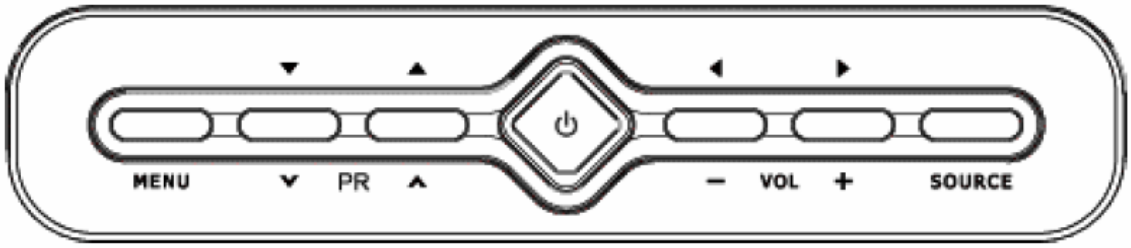
(?)
Press this key to reveal a hidden answer (for example, in games). Press it again to hide the answer.

PAGE SELECTION
Page can be selected in two ways.
a. Press ▲ or ▼ to increase or decrease the page number by one..
b. By entering the page number, using digit buttons 0~9.

SUBPAGE ACCESS
Some information is spread across more than one page. To access sub-pages, press **----** / **AV** key then enter the sub-page number using digit buttons 0~9.

2.3 Front Panel Control Knobs

Controls are located on the top of the TV set.



⏻ button: Press this button to switch on or on standby the TV set.

MENU button: Press this button to display the main menu.

▲ / ▼ buttons: Press these buttons to select a channel or to choose an option in a menu.

– / + buttons: Press these buttons to ajust the volume, access a sub-menu or perform an adjustment in a menu.

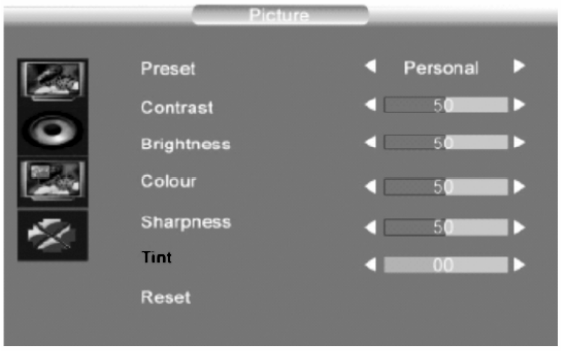
Source button: To select desire input source, press the ***SOURCE*** button to display the selection menu.
Use the ▲ / ▼ buttons to select each input sources.
Press the **–** / **+** button to display the desire input source.

2.4 OSD Operations

MAIN MENU

Press the **MENU** button to display the Main menu. It offers the following options : Picture adjustments**,** Audio adjustments, PIP/POP adjustments, TV channels search menu (only in TV mode) and PC adjustments (only in PC mode). It also allows to define your preferences in the **Setup** menu.

PICTURE ADJUSTMENTS



Display the Main menu by pressing ***MENU*** button**.**
Select the **Picture** menu using the ▲ / ▼ buttons.
Press the ***OK*** button to confirm**.**
Use the ▲ / ▼ buttons to select each option.

Preset: choose between **Personal**, **Vivid**, **Standard** or **Mild**.
Personal *gives access to following adjustments.*

Contrast, **Brightness**, **Colour and Sharpness**: adjust these settings as required using the ◄ / ► buttons.

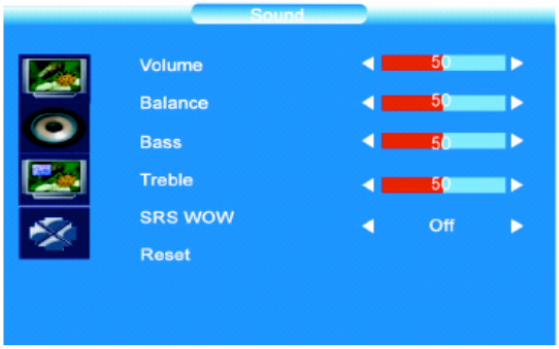
Tint: This option is only available for NTSC audio-visual sources.
Adjust the tint of the picture using the ◄ / ► buttons.

Reset: Return to default settings. Press ***OK*** button to return to default settings.

Press the ***EXIT*** button to exit the **Picture** menu.
Note : this menu is removed automatically after a few seconds without using the remote control.

When you adjust a menu option (Contrast for example), the menu is replaced by a sub-menu as illustrated. Press the ***OK*** *button to return to the* **Picture** *menu.*

AUDIO ADJUSTMENTS



Display the Main menu by pressing ***MENU*** button**.**
Select the **Sound** menu using the ⮟button.
Press the ***OK*** button to confirm**.**
Use the ⮝ / ⮟ buttons to select each option.

Volume : adjust as required using the ⮜ / ⮞ buttons.

Balance : adjust the balance between left/right channels as required using the ⮜ / ⮞ buttons.

Bass : adjust the bass level as required using the ⮜ / ⮞ buttons.

Treble: adjust the treble level as required using the ⮜ / ⮞ buttons.

SRS WOW : Using ⮜ / ⮞, activate (On) or deactivate (Off) SRS function.
SRS is an audio technology which improve the sound quality.

Reset: Return to default settings. Press ***OK*** button to return to default settings.

Press the ***EXIT*** button to exit the **Sound** menu.
Note : this menu is removed automatically after a few seconds without using the remote control.

*When you adjust a menu option (Volume for example), the menu is replaced by a sub-menu as illustrated. Press the **OK** button to return to the **Sound** menu*

PIP/PAP ADJUSTMENTS

Press the ***MENU*** button to display the Main menu
Select the **PIP** menu using the ⮟button.
Press the ***OK*** button to confirm**.**
Use the ⮝ / ⮟ buttons to select each option.

Dual mode: Using ⮜ / ⮞ buttons activate (PIP/PAP) or deactivate (Off) the PIP function.

*Following options are available if you have selected **PIP** or **PAP** at the **PIP** line.*

Position : use the ⮜ / ⮞ buttons to change the position of the PIP frame on the screen.

Source : to select video source of the PIP/PAP, use the ⮜ / ⮞ buttons to select video source of the picture in the PIP/PAP frame (TV or AV).
You can insert a TV picture while you are viewing an AV program or insert an AV picture while you are viewing a TV program.

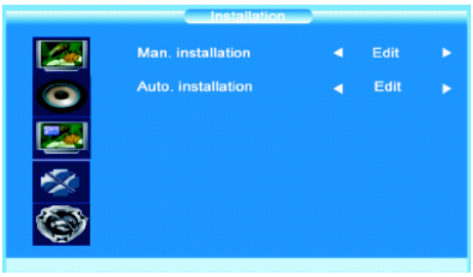
*Video source can also be selected without the menu, using **AV** button on the remote control.*

Audio select : to select audio source: MAIN (Main picture) or SUB (PIP/PAP picture), use the ⮜ / ⮞ buttons to select audio source.

Press the ***EXIT*** button to exit the **PIP** menu.
Note : this menu is removed automatically after a few seconds without using the remote control.

CHANNELS SEARCH

Channels search involves selecting all the settings required to be able to search for and store all the channels you can receive.
Make sure that the television is switched on and follow all the steps in turn specified on this page.



Display the Main menu by pressing ***MENU*** button.
Select the **Installation** menu using the ▼button.
Press the ***OK*** button to confirm.
Use the ▲ / ▼ buttons to select each option.

Automatic set-up

Select **Auto. installation** using the ▼ button.
Press the ***OK*** button to display the **Auto. installation** menu.
Use the ▲ / ▼ buttons to select each option.

Country: Select the relevant country using the ◄ / ► buttons.
This is the country you are in, or the country whose channels you want to receive if you live near its borders. If you do not find your country, select ***Auto***.

Start: Press ***OK*** button to start channels searching

Manual set-up

Select **Man. installation** using the ▼button.
Press the ***OK*** button to display the **Man. installation** menu.
Use the ▲ / ▼ buttons to select each option.

Prog. number: Allows to select the program on which you want save a new channel or a program you want to modify.
- Using the ◄ / ► buttons, select the program.

Frequency : Allows to enter a specific frequency for tuning.
- Using the ▼ button, select the **Frequency** option and press the ***OK*** button.

Using the 0~9 digit and ◄ / ► buttons, enter desire frequency and press the ***OK*** button.

Name : Allows to edit the channel name.
- Using the ⮟ button, select the **Name** option.
- Using the ➢ button select the first letter field.
- By pressing the 0~9 digit repeatedly and using the following table select the first character.

Repeat the procedure for each letter field.
Press the ***OK*** button to confirm**.**

BUTTON	AVAILABLE CHARACTERS
1	**1 Space — • !**
2	**2 A B C @**
3	**3 D E F #**
4	**4 G H I $**
5	**5 J K L %**
6	**6 M N O ^**
7	**7 P Q R &**
8	**8 S T U V**
9	**9 W X Y Z**
0	**0** * # ( )

Store prog.: Allows to **Save** a channel on a new Program N°, to **Insert** a channel on an already existing Program No (the channel previously saved on this program n° will be shifted to the upper program n°) or to **Delete** the Program No.
- Once a channel has been found and named, use the ⮟ button to select the **Store prog.** option.
- Using the ⮜ / ➢ buttons, select **Save**, **Insert** or **Delete** and press the ***OK*** button to confirm.

Swap prog.: Allows to swap 2 programme numbers.
- Using the ⮝ / ⮟ buttons select the **Prog. number** option.
- Using the ⮜ / ➢ buttons, select the program to be moved.
- Using the ⮟ button, select the **Swap prog.** option.
- Using the ➢ button, enter the swap function.
- Using the the 0~9 digit, enter the new programme number (3 digits).
- Press the ***OK*** button to confirm, the programme numbers are swapped.

Norm : Allows to change the audio norm.
- Using the ⮟ button, select the **Norm** option.
- Using the ⮜ / ➢ buttons, select the norm.

Note*: the following norms are available to choose from:* **I** *for the UK and Ireland,* **L/LP** *for France and Luxembourg,* **D/K** *for Eastern Europe, the Middle East and Asia,* **B/G** *for Western Europe, Australia and New Zealand.*

Skip : Allows to skip a channel.
- Using the ⮟ button, select the **Skip** option.
- Using the ⮜ / ➢ buttons, select **On,** the channel will be skip.

Repeat this procedure to skip other channels.

Fine tuning : If the picture is not clear, you can adjust the setting.
- Using the ⮟ button, select the **Fine Tuning** option.
- Use the ⮜ / ⮞ buttons to find the good tuning point.

Man. search : Allows to launch a manual search.
- Using the ⮟ button, select the **Man. search** option.
- Using the ⮜ / ⮞ buttons, start the search in decreasing or increasing order.

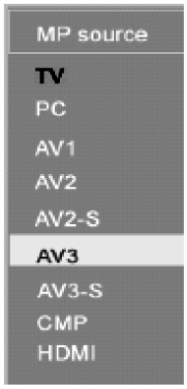
The menu is replaced by a sub-menu showing the progression of the search.
- The search will stop at the first channel found, **Man. installation** menu is displayed again (within 3 seconds).
- If you wish to memorise the channel, select Store Program option using ⮝ button and proceed as indicated in previous page. Otherwise, continue the search using ⮜ / ⮞ buttons.

*If you have modified **Norm**, **Skip**, **Fine tuning** options or if you have launch a **Manual Search**, select **Store Prog.** option using ⮝ / ⮟ buttons and proceed as indicated above to save your modification.*

Press the ***EXIT*** button to exit the **PIP** menu.

INPUT SELECTION

To select AV source:

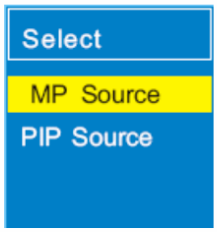


To select desire input source, press the ***AV*** button to display the selection menu.

Use the ⮝ / ⮟ buttons to select each input sources.

Press the ***OK*** button to display the desire input source**.**

To select input source in PIP/PAP mode



To select desire input source in PIP/PAP mode, press the ***AV*** button to display the selection menu.
Use the ⮝ / ⮟ buttons to select either **MP source** (to modify Main picture source) or **PIP source** (to modify PIP source).
Press the ***OK*** button to display the selection menu in PIP mode .

Use the ⮝ / ⮟ buttons to select the input source.
Press the ***OK*** button to display the desire input source**.**

SETUP

This menu allows to select the language for the menus as well as the colour of the screen when there is no video input. It allows also to set an automatic shut-off time.

Display the Main menu by pressing ***MENU*** button.
Select the **Options** menu using the ➘button.
Press the ***OK*** button to confirm
Use the ➚ / ➘ buttons to select each option.

Menu language : To select the language for the menus.

Menu timeout : To set an automatic shut-off time for Menu. Using ➘ / ➢ buttons select 5 > 10 > 20 > 30 > 40 > 50 seconds.

Menu background : Select Opaque or Transparent type.

Sleep Timer : To set an automatic shut-off time. Using ➘ / ➢ buttons select Off > 15 > 30 > 45 > 60 > 90 > 120 minutes.
Once the time is ended, TV set automatically switch on standby mode .
If you turn the TV on standby mode after setting the sleep timer, setting will be erased. Set it again.

Blue Screen : To have a blue screen when there is no video input or when the RF signal is very bad.
Using the ➘ / ➢ buttons select **On**.
Select **Off** if you do not want the blue screen.

Teletext language: Using ➘ / ➢ buttons, select the character set that wil be used for Teletext on this channel.
The following character sets are available: **West Europe**, **East Europe**, **Cyrillic** (Russia), **Greek, Arabic**, **Persian**,.
The character set determines how characters are displayed on Teletext screen.

Reset : Return to default settings. Press the ***OK*** button to return to default settings.

Press the ***EXIT*** button to exit the **Options** menu.
Note : this menu is removed automatically after a few seconds without using the remote control.

Note : You can displav the remaining time before the automatic shut-off. To do that, press the sleep button zZZ .

To cancel the automatic shut-off, press several times the sleep button zZZ to display ***Sleep timer Off*** .

PC MODE

In PC mode, main menu is dfferent from the one in TV mode.
Please select PC as main input.

PC SETTINGS

Display the Main menu by pressing ***MENU*** button**.**

Select the **PC** menu using the ⮟button.

Press the ***OK*** button to confirm.

Use the ⮝ / ⮟ buttons to select each option.

H. position : use the ⮜ / ⮞ buttons to move the picture horizontally on the screen.

V. position : use the ⮜ / ⮞ buttons to move the picture vertically on the screen.

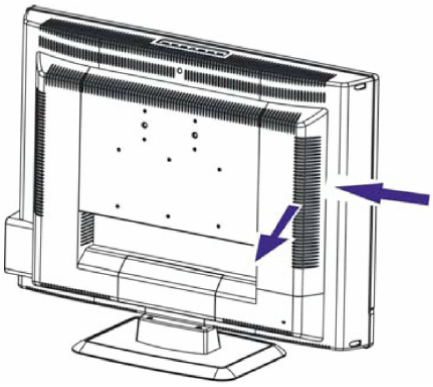
Focus : Adjust as required to improve the picture quality.

Auto adjust: this function is used to automatically adjust the VGA input. Press the ⮜ / ⮞ buttons to start the adjustment process.

Tone: to adjust the colour temperature at your convenience.

Reset : Return to default settings. Press ***OK*** button to return to default settings.

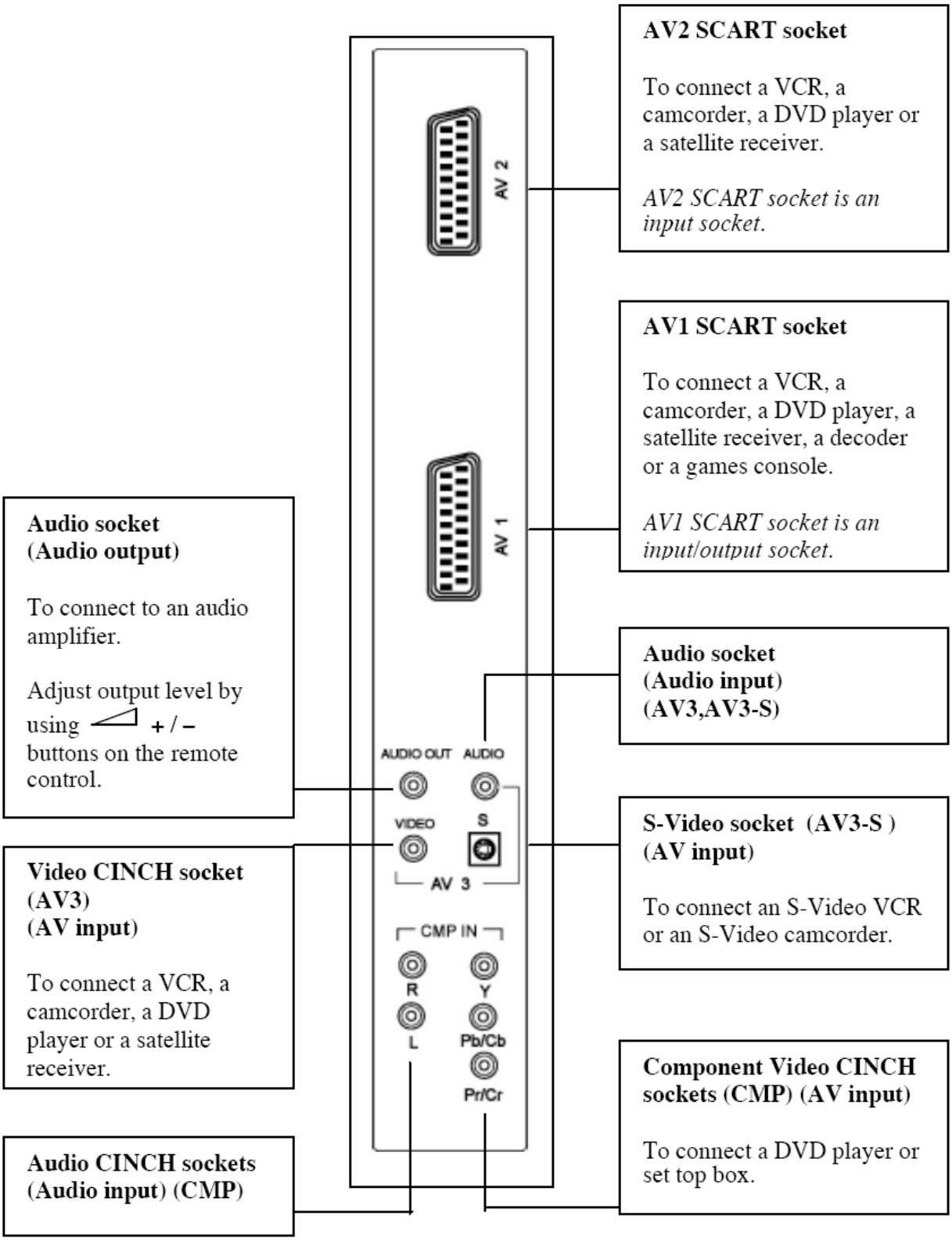
2.5 How To Connect



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 your precautions not to damage the screen.

AV sockets (Located at the back of the TV set, on the leftside)



To display images from the connected appliance, select the input source by pressing the *AV* button on the remote control (see page 13).
For some appliances, connected to the SCART socket, this selection is made automatically.

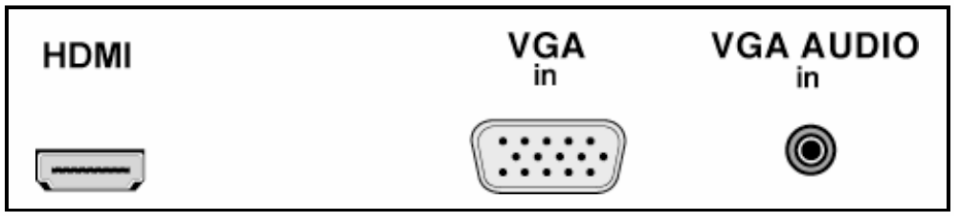
HEADPHONE SOCKET (LOCATED AT THE BACK OF THE TV SET, ON THE RIGHTSIDE)

When headphones are connected, the sound of TV set is cut.

Adjust headphones volume level by using + / - buttons on the remote control.

To switch off the sound of the headphone press the button on the remote control.

HDMI SOCKET (High-Definition Multimedia Interface)
(LOCATED AT THE BACK OF THE TV SET, NEAR THE POWER INPUT SOCKET)



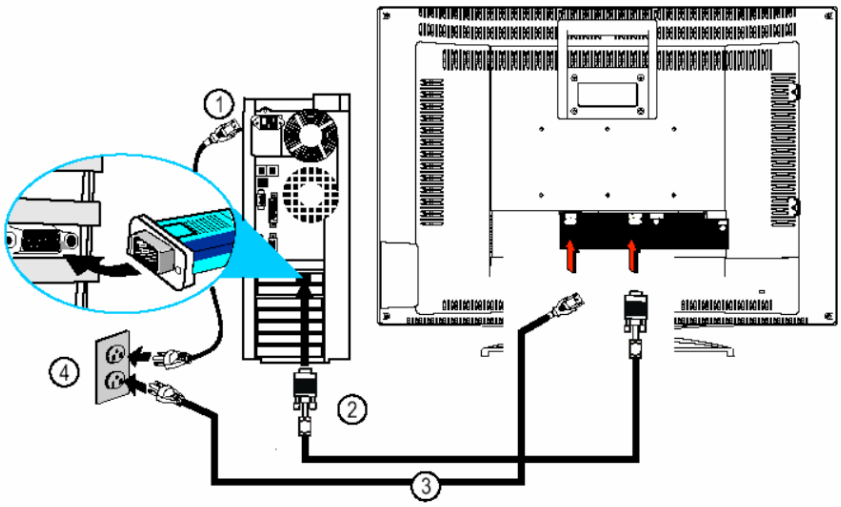
This socket allows the connection to all appliances fitted with an HDMI socket.
The standard HDMI allows a digital transmisson of video and audio data using only one connector.

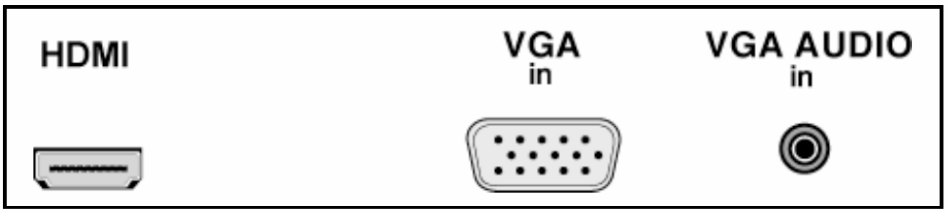
It gives you the possibility to obtain very high quality images.
In this case it is necessary to use an HDMI connecting cable.
Make sure the appliance output is set to be HDMI output.

To display images from the connected appliance, select the input source (**HDMI**) by pressing the ***AV*** button on the remote control.

PC IN SOCKET (LOCATED AT THE BACK OF THE TV SET, NEAR THE HDMI SOCKET)

Allows to connect a PC to the TV set





Connect the PC IN D-sub socket located at the back of the TV set to the output of PC equipment through a mini D-sub 15 pin cable (2).

Connect the stereo PC IN audio jack located at the back of the TV set (near the D-sub socket) to the audio output socket on the computer through an audio cable.

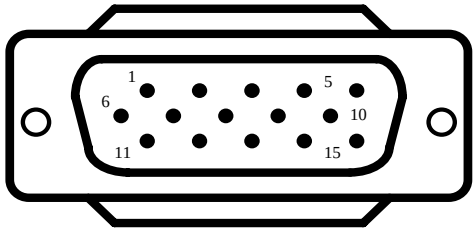
To display images from the connected appliance, select the input source (**PC**) by pressing the ***AV*** button on the remote control.

3. Input/Output Specification

3.1 Input Signal connector

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

Connect the 15-pin D-SUB 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
1	Red Video
2	Green Video
3	Blue Video
4	Not Used
5	GROUND
6	Red Ground
7	Green Ground
8	Blue Ground
9	No Pin
10	Sync. Ground
11	Not Used
12	Serial Data for DDC
13	Horizontal Sync.
14	Vertical Sync.
15	Serial Clock for DDC

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.

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.

This TV (with PC function) has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.

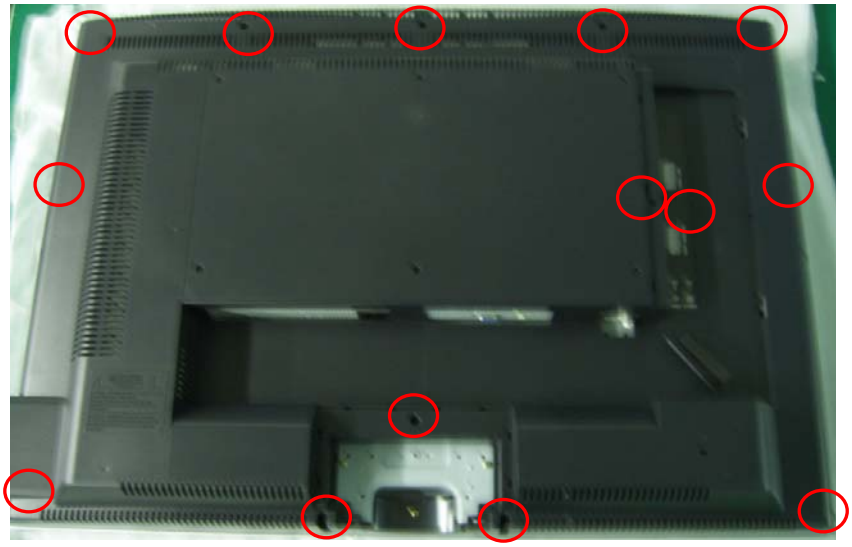
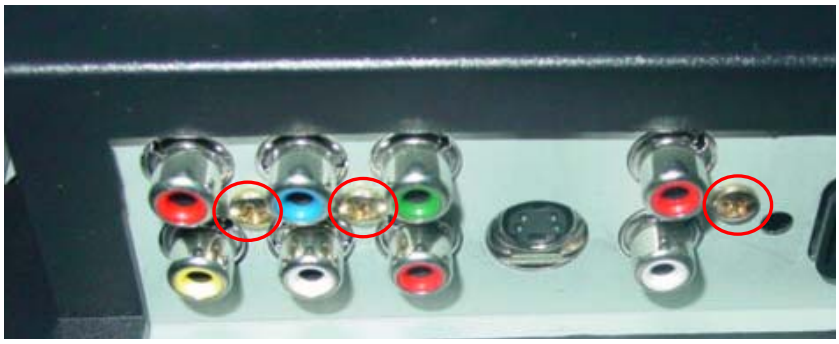
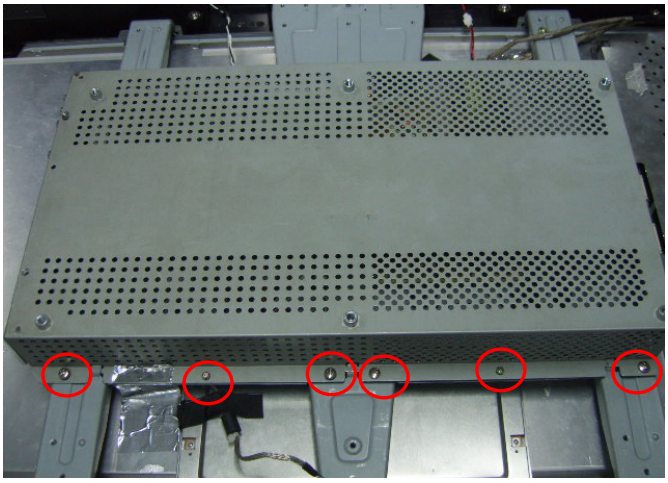
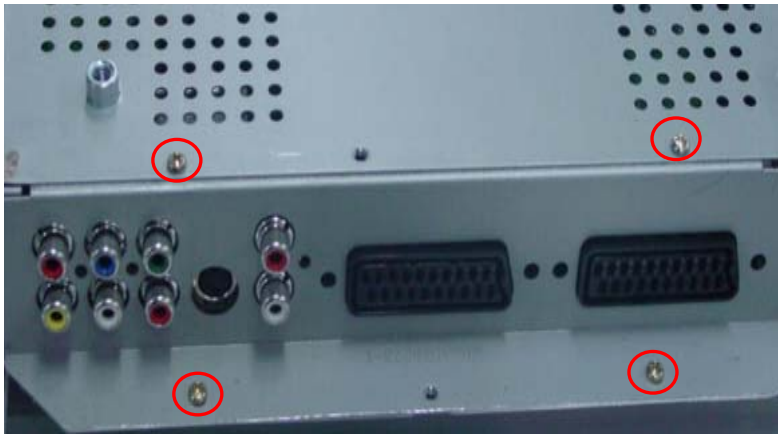
If your TV requires service, it must be returned with the power cord.

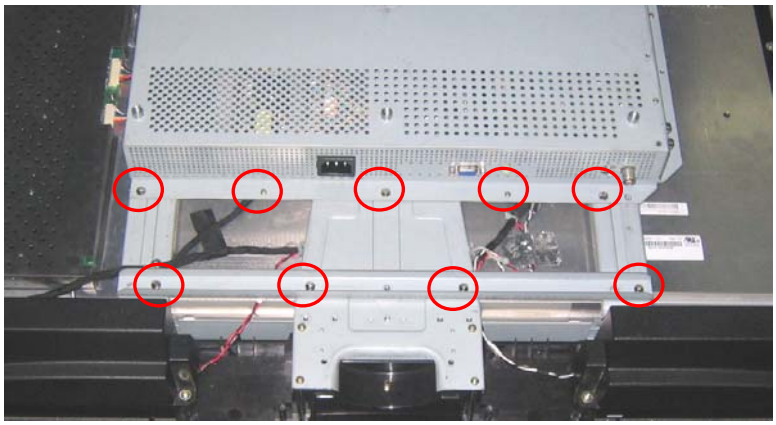
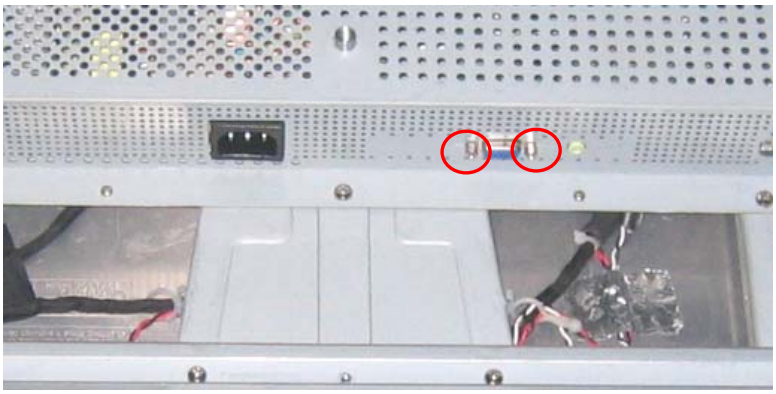
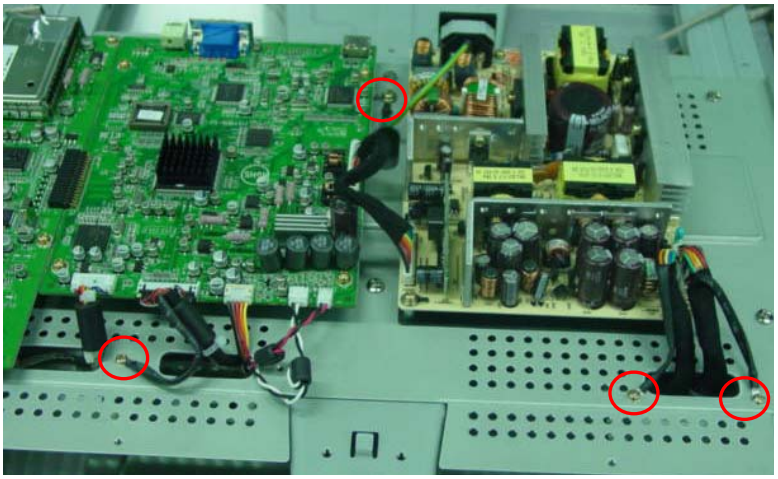
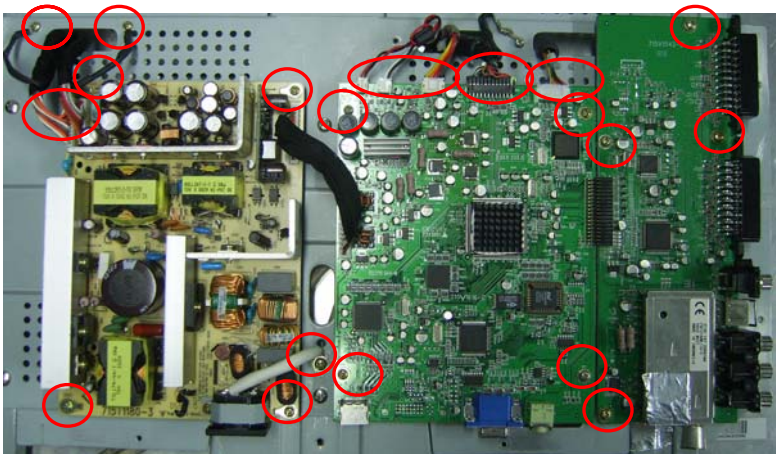
3.2 RGB Input Signal Timing

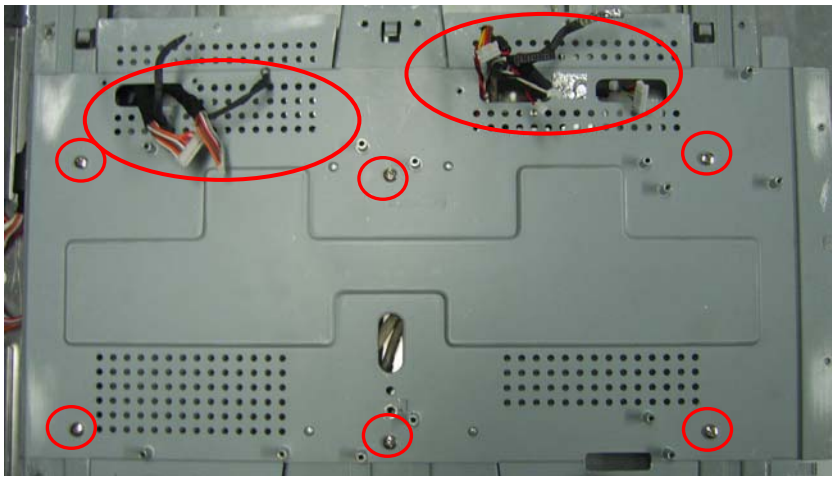
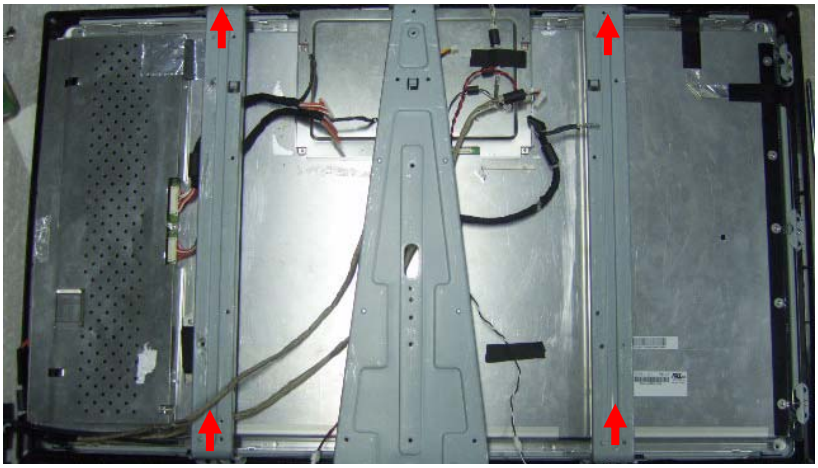
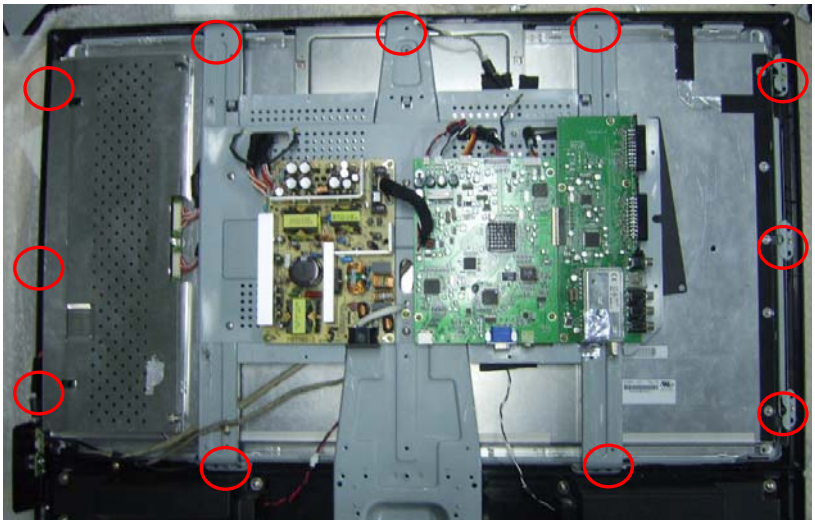
Dots × Lines	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Sync Polarity		Presence		Screen Mode	
			Horizontal	Vertical	Horizontal	Vertical	Normal (4:3)	FULL (16:9)
720×400	31.47	70.08	NEG	POS	YES	YES	YES	YES
640×480	31.50	60.00	NEG	NEG	YES	YES	YES	YES
640×480	37.50	75.00	NEG	NEG	YES	YES	YES	YES
640×480	37.86	72.81	NEG	NEG	YES	YES	YES	YES
800×600	37.90	60.32	NEG	NEG	YES	YES	YES	YES
800×600	46.90	75.00	NEG	NEG	YES	YES	YES	YES
800×600	48.08	72.19	NEG	NEG	YES	YES	YES	YES
1024×768	48.40	60.00	YES	YES	YES	YES	YES	YES
1280×768	47.7	60	YES	YES	YES	YES	YES	YES

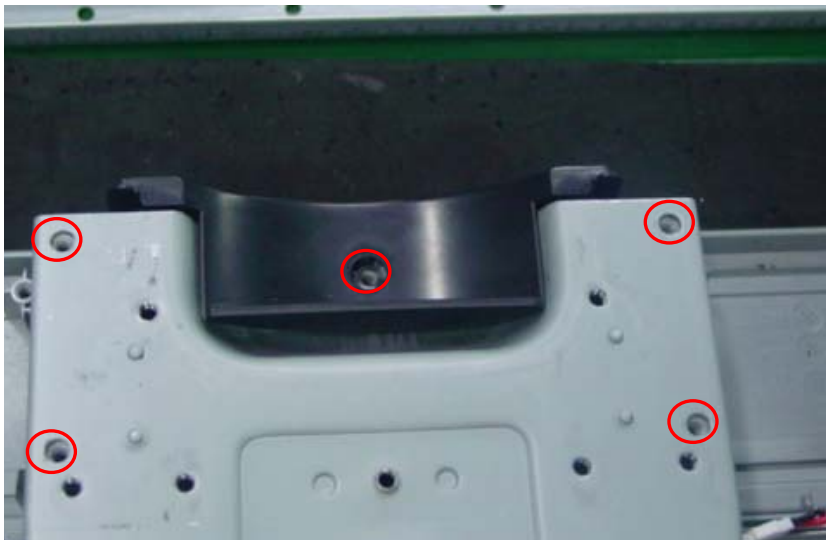
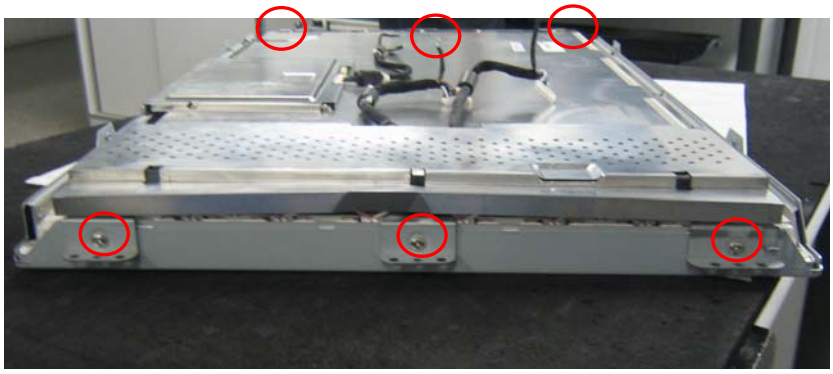
4. Mechanical Instructions

Step	Figure	Description
Preparation		Lay the LCD-TV on a flat, soft and clean surface.
Remove the stand		Remove the four screws to remove the stand.

Remove the back cover		Remove the fourteen screws mark in red to remove the back cover.
Remove the shield.	  	1.Remove the thirteen screws

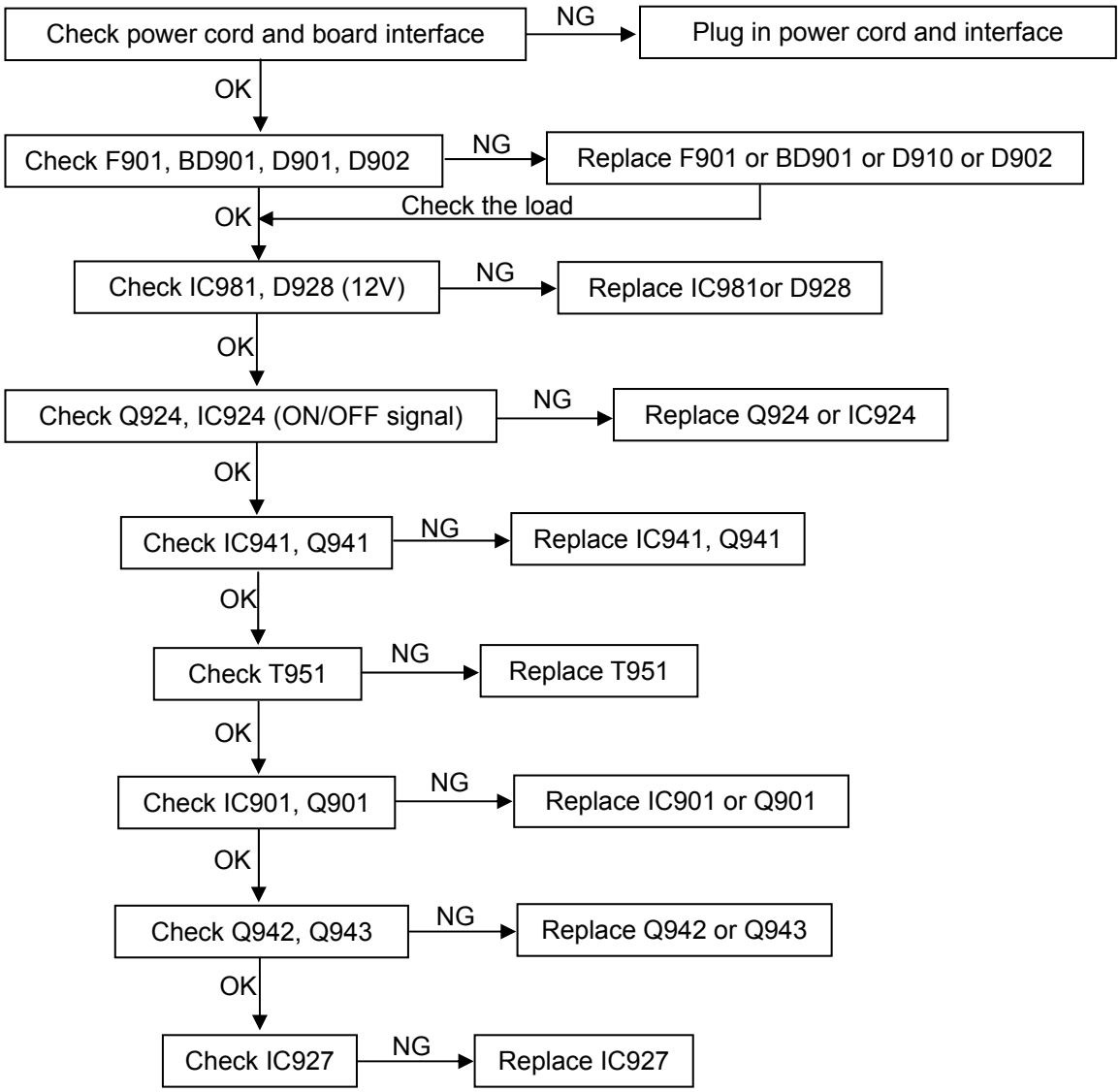
Remove the shield.	 	2.Remove the eleven screws
Remove the main board, the tuner board and the power board	 	1.Remove the screws marked in red . 2.Disconnect the connector and remove the tuner board , the power board and the main board.

Remove the main frame		Remove the screws and the wires to remove the main frame.
Remove the long BKT from the panel		Remove the two BKT long from the panel.
Remove the front panel		1.Remove the eleven screws.

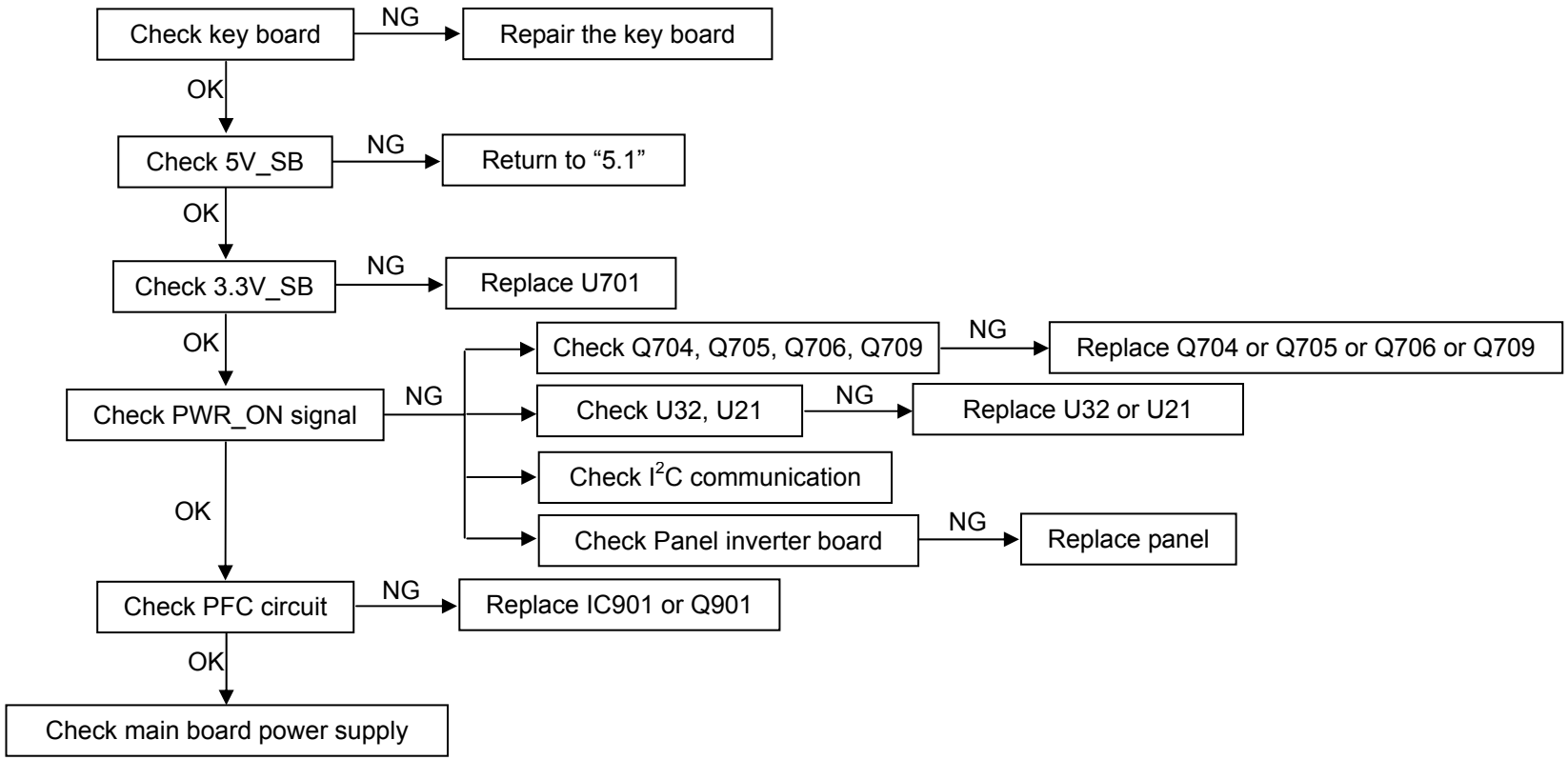
Remove the front panel		1.Remove the five screws to remove the front panel.
Remove the BKT from the panel		Remove the six screws to remove BKT from the panel.
The end		N/A

5. Repair Flow Chart

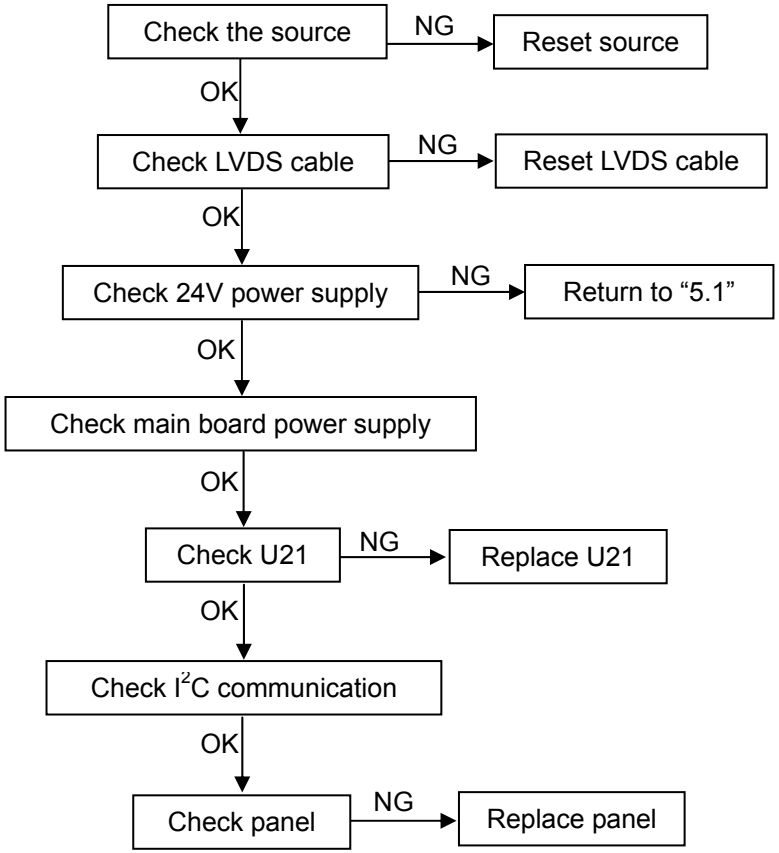
5.1 No Power (No LED indicator)



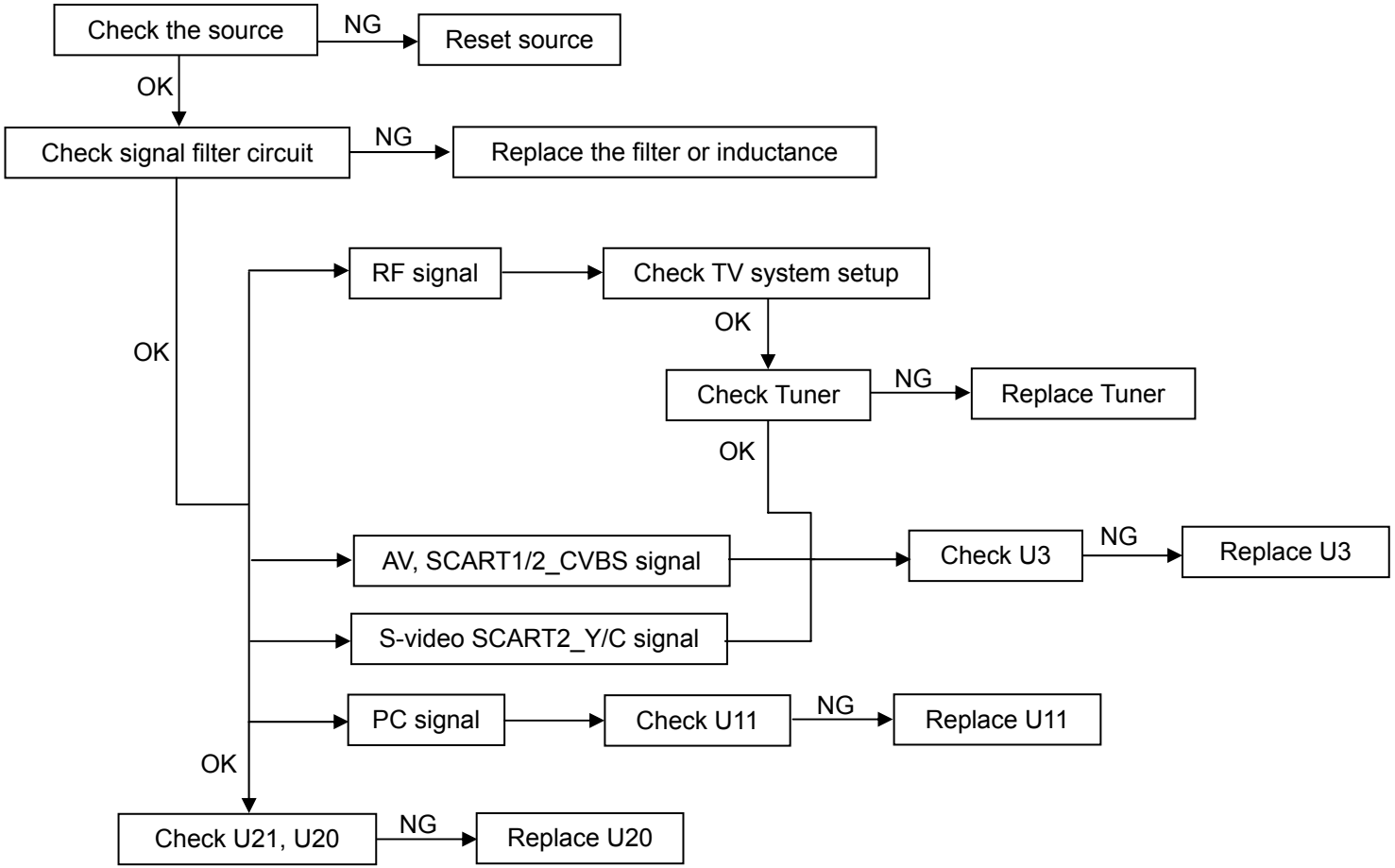
5.2 Can not start (LED indicator yellow)



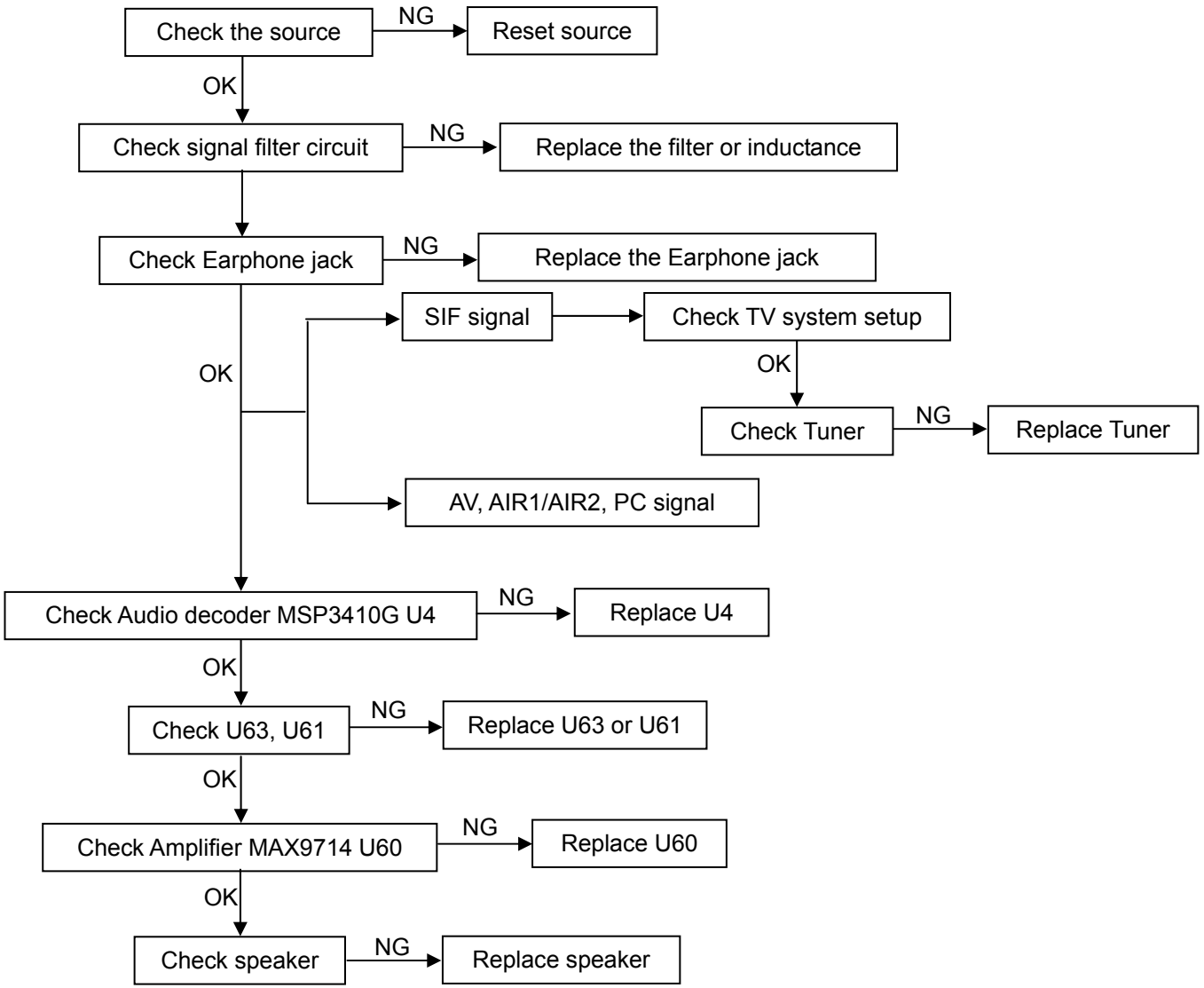
5.3 No display (LED indicator green)



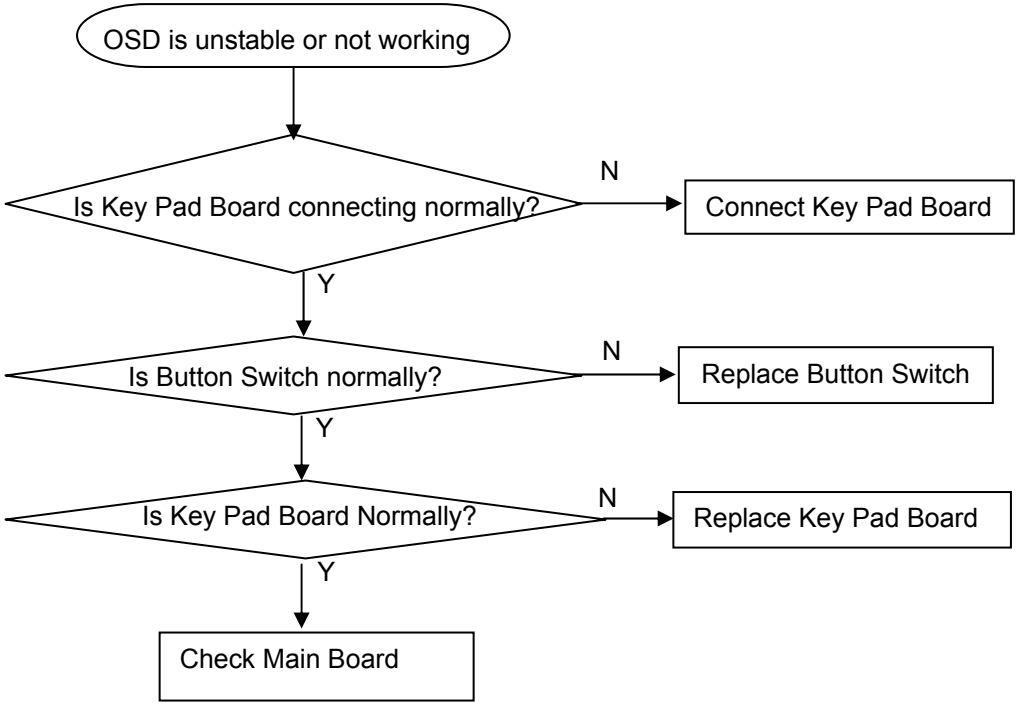
5.4 Abnormal display



5.5 No sound


Check the source
NG
Reset source
OK
Check signal filter circuit
NG
Replace the filter or inductance
Check Earphone jack
NG
Replace the Earphone jack
OK
SIF signal
Check TV system setup
OK
Check Tuner
NG
Replace Tuner
AV, AIR1/AIR2, PC signal
Check Audio decoder MSP3410G U4
NG
Replace U4
OK
Check U63, U61
NG
Replace U63 or U61
OK
Check Amplifier MAX9714 U60
NG
Replace U60
OK
Check speaker
NG
Replace speaker

Key Board


OSD is unstable or not working
Is Key Pad Board connecting normally?
N
Connect Key Pad Board
Y
Is Button Switch normally?
N
Replace Button Switch
Y
Is Key Pad Board Normally?
N
Replace Key Pad Board
Y
Check Main Board

6. White Balance, Luminance Adjustment

Instrument List:

Chroma 2225、VG848、Chroma 7120

Adjustment Process:

① Instrument Orientation

Connect LCD-TV、Chroma 2225 and VG848, and set Timing137、Pattern1 on Chroma2225. Chroma7120's lens must aim at the center of Pattern1 showed on the LCD-TV's screen. The distance of Chroma7120's lens and the center of screen is 20cm±1cm.

② ENTER FACTORY

After orientation OK, set Pattern104(black picture) on Chroma225.Press 1-9-9-9 on remote to enter the menu on top left of the screen(refer to fig.1,this menu will show slowly), then from UP key(△) option to enter the menu (refer to fig.2).

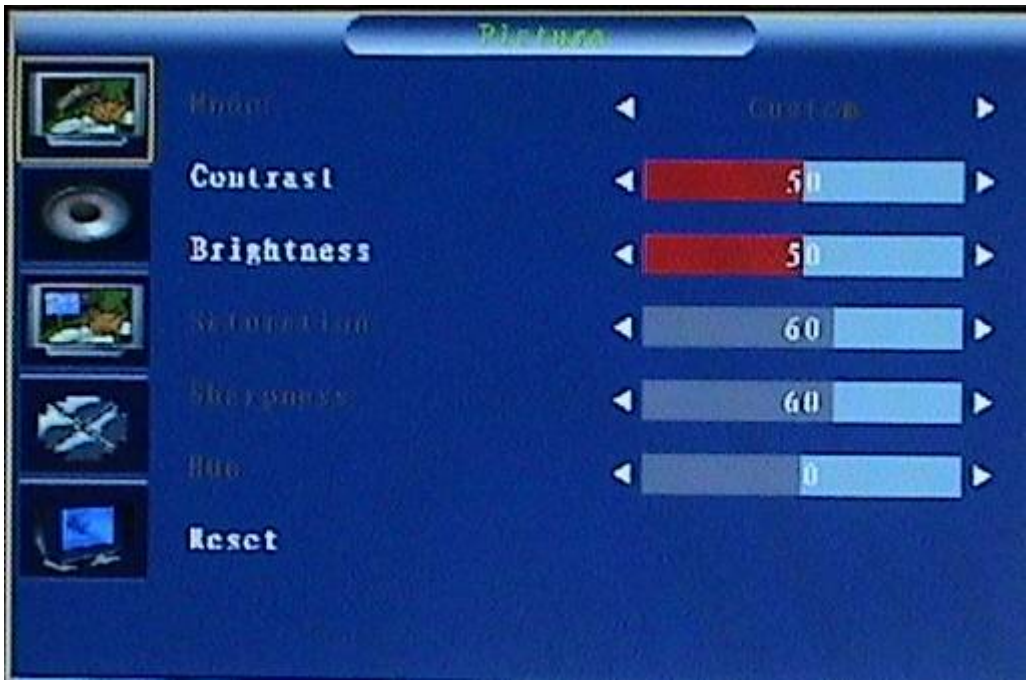


Fig.1

Fig.2

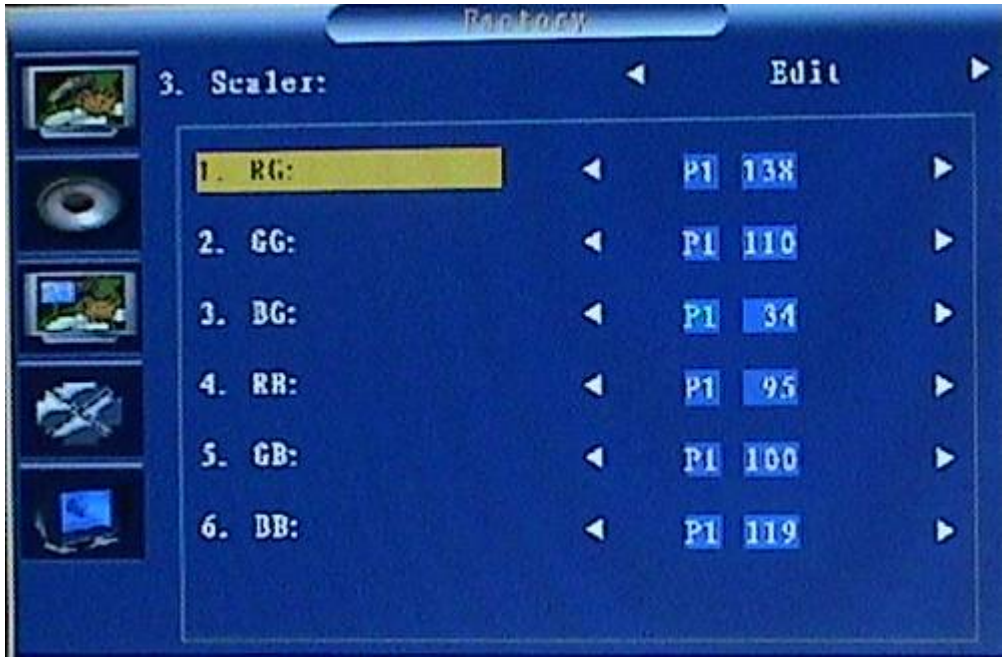


Fig.3

③ PC Mode White Balance Adjustment

Begin to adjust the W/B (White Balance) you should select the Color Temp(Warm and Cold) and enter the son menu from father menu "Scaler" refer to Fig.2 and Fig.3.

Set channel color temperature value and brightness on Chroma7120.Set 303 319 350(warm Temp) on CH3 and 278 289 350(cold Temp) on CH4.Press MODE key on Chroma7120 to switch xyY mode.

Use black sleeve on Chroma7120's lens to ensure no external ray. Set Pattern104 on Chroma2225.Adjust SCALAR RB、GB、BB value to make sure the brightness is the lowest, then set Pattern105 on Chroma2225 and adjust RG、GG、BG value to make the value displaying on Chroma7120 is about 100.Press "Save" to save. Switch to CH4, select cold Temp and then adjust it according to above method. Press "Save" to save.

④ AV MODE W/B ADJUSTMENT

Begin to adjust AV/COMPONENT YPbPr(480I/576I)/COMPONENT T-scaler(480P/720P/1080I) /HDMI W/B, their Color Temp modes refer to Fig.4/5/6/7

Fig.4

Fig.5

Fig.6

Fig.7

1.OFFSET(26%) W/B ADJUSTMENT(This is only for AV/TV)：Change the input signal to 26% white level performance .Set the CHROMA7120 to 288 301 30 and MODE_RGB ,then adjust the TV’s RB、GB、BB to make CHROMA7120 display to 100.

2.W/B ADJUSTMENT (100%): Change the input signal to 100% white level performance. Set the CHROMA7120 to 288 301 415 and MODE_RGB , then adjust the TV’s RG、GG、BG to make CHROMA7120 display to 100.

3.Save the adjustment. Then change the input signal to 26% white level performance. Set the CHROMA7120 to MODE_RGB and CH3, check whether the color temperature was in SPEC (color spec is x±15;y±15;Y±15). In this time, most of the TV is in SPEC, while the others should be adjusted twice or more to make its color temperature in SPEC.

4.CHECK CUT OFF: Change the input signal to 0% white level performance. Firstly, press the “brightness” from 50% to 0% and make sure the Y is not changed. Secondly, change the input signal to 32 GRAYS performance and make sure the grays is not connected at any position.(as the 5% level is between the first gray and the second gray. 5%=（1/32）*1.6。)

1.The white color temperature in PC Mode should be app.7200K(CIE1931: x=0.303, y=0.319，Y>350), 10300K(CIE1931 : x= 0.278, y= 0.289, Y>350).

2.The white color temperature in AV/TV Mode should be app. 8700K(CIE1931:x=0.288±15, Y=0.301±15, Y>370). In this Mode,we should check the black balance,which level is 26% of the white level(1.0Vpp).

3. The white color temperature in HDTV/HDMI Mode should be app. 8700K(CIE1931:x=0.288±15, Y=0.301±15, Y>370)

Those three channels should be factory preset and not be possible to be modified.

The measurement position is the center of the display(5) at brightness set to center and

Contrast set to max. . The tolerance of the color coordinates should be less than ± 0.015

7. BOM List

E326MTNBD4TENP

Location	Part No. for TPV	Description
	001T6017 2 GP	SCREW
	001T6020 1	SCREW-SPE CIAL
	007T 6 L 28	Compound Pallet
	011T 176 1 RL	WIRE HOLDER
	012T 394 3	RUBBER FOOT
	015T5908 2	BRACKET
	015T6184 1	Kensington lock
	015T6189 1	CMO'PANEL SHIELD
	015T8214 1	BKT MAIN
	015T8215 1	BKT LSIDE
	015T8216 1	BKT R SIDE
	015T8217 1	BKT LONG
	015T8220 1	BKT HOLD PANEL
	015T8221 1	BKT HOLD PANEL
	015T8221 2	BKT HOLD PANEL
	015T8225 1	BKT KEY PAD
	015T8270 1	BKT-PCB-SUPPORT-1
	033T5022 1 C	LENS POWER
	033T6301B14 2C	PC PLATE ON TOP
	040T 581902 1A	CARTON LABEL
	041T7880902 1A	WARRANTY CARD
	044T3121510506	SPONGE
	044T3121510514	SPONGE
	044T3A08 1	EPS
	044T3A08 2	EPS
	044T3A08 3	EPS
	044T3A08 4	EPS
	044T3A08 5 1A	U TYPE SHEET FOR BASE
	044T3A08902 1A	CARTON
	044T6002842 5A	PAPER BOARD
	044TZ001200 4B	PIZZA BOX
	045T 99606 2	PE BAG FOR BASE
	045T 99609 2	EPE COVER
	045T 99609 5	EPE COVER FOR BASE
	045T 99626 2	PE BAG FOR MONITOR
	050T 500 1	CABLE TIE
	050T 500 1	CABLE TIE
	052T 1185	MIDDLE TAPE FOR CARTON
	052T 1186	SMALL TAPE
	052T 1211 A	ADHESIVE TYPE
	052T 1211 B	ADHESIVE TYPE
	078T 451 2	SPK 8OHM 15W NeoSonica
	085T 717 4	SHIELD
	089T404A18N IS	POWER CORD
	092TB1JX1A31GM	PEONY A1KALINE LR03
	095T8013 2532	WIRE HARNESS
	095T8013 3536	WIRE HARNESS
	095T8014 5553	WIRE HARNESS
	095T8014 8591	WIRE HARNESS
	095T8014 10515	WIRE HARNESS
	095T8014 12530	WIRE HARNESS

	098TR7GW2NTTSB	Remote THOMSON GRAY RCT 311 TR1G for TTE
	0M1T 330 4128	SCREW
	0M1T 330 4128	SCREW
	0M1T 330 4128	SCREW
	0M1T 330 4128	SCREW
	0M1T 330 6120	SCREW
	0M1T 340 6 47	SCREW
	0M1T 940 6120	SCREW
	0M1T 940 6120	SCREW
	0M1T 940 6120	SCREW
	0M1T 940 6120	SCREW
	0M1T 940 6120	SCREW
	0M1T 940 6120	SCREW
	0M1T 940 10120	SCREW
	0M1T1140 6128	SCREW 4X6
	0M1T1730 6128	SCREW M3X6
	0Q1T 140 8120	SCREW
	0Q1T 330 6120	SCREW
	0Q1T 330 6128	SCREW
	0Q1T 330 6128	SCREW
	0Q1T 330 6128	SCREW
	0Q1T 340 10128	SCREW
	0Q1T 340 12 47	SCREW T4X12
	0Q1T 340 12120	SCREW
	0Q1T 340 12128	SCREW
	0Q1T 930 6128	SCREW T3X6
	0Q1T1030 8128	SCREW
	750TVMN0 B1 31	PANEL TV 32" B1 C4 CMO
	ADPF24180A4P	ADAPTER ASS`Y
	CBPF6T1BA4P	CONVERSION BOARD
	HJPFA60A9P	HEADPHONE JACK BOAED
	IOPF6QA1P	IOBOARD
	IRPF6AA4P	IR BOARD FOR ROHS
	KEPF6AA5P	KEY BOARD
	Q15T6353 1	BKT STAND
	Q15T8223 7	BKT CONNECTOR
	Q15T8304 1	BASE BKT
	Q33T0058 25 1C	IR LENS
	Q33T4823 YZ 1L	ID1 FUN KEY
	Q33T6381 YXA1L	CARD READER COVER
	Q34T1660 YX 2L	REAR COVER
	Q34T1661 YX 1L	COVER CABLE
	Q34T1666 YX 1L	COVER HINGE BOTTOM
	Q34T1833 YZA4L	BEZEL
	Q34T1860 YY 1L	STAND
	Q34T1894 YZA1L 20	BASE
	Q34T6410 YX 1L	COVER HINGE
	Q40T 320902 9A	RATING LABEL
	Q40T 58190211A	IO LABEL
	S95T801830682	LVDS ASS'Y
	040T 58162435A	LABEL
	045T 76 28 RN	PE BAG FOR MANUAL
	Q41T270190211A	User Manual
CN951	033T3802 10	PLUG
CN952	033T3802 12	WAFER PH-12
	040T 45762420A	S/N LABEL

IC942	056T 139 3A	PC123Y22FZOF
IC925	056T 139 3A	PC123Y22FZOF
IC924	056T 139 3A	PC123Y22FZOF
IC922	056T 139 3A	PC123Y22FZOF
IC922	056T 139 3B	PC123X82FZOF
IC924	056T 139 3B	PC123X82FZOF
IC942	056T 139 3B	PC123X82FZOF
NR901	061T 58030 W	NTCR
NR902	061T 58030 W	NTCR
R950	061T 20K398GB1	CEMENTR 0.39 OHM +-10% 2W
R921	061T152M10458G6267	100K OHM 5% 2W
R905	061T153M27858G6267	0.27 OHM 5% 3W
R945	061T153M47358G6267	47K OHM 5% 3W
C901	063T 10722410S	0.22UF 275VAC X2
C905	063T213J105GFA	MPF CAP
C926	064T400K473 57	MPF CAP
C922	065T 1K222 2A6213	0.0022UF/1KV
C942	065T 1K222 2A6213	0.0022UF/1KV
C921	065T 1M103 3T6921	0.01uf 20% 1000V Y5V
C903	065T306M1022BM	Y1.CAP.001UF 250VAC MURATA
C903	065T306M1022BM	Y1.CAP.001UF 250VAC MURATA
C904	065T306M1022BM	Y1.CAP.001UF 250VAC MURATA
C904	065T306M1022BM	Y1.CAP.001UF 250VAC MURATA
C915	065T306M1022BM	Y1.CAP.001UF 250VAC MURATA
C915	065T306M1022BM	Y1.CAP.001UF 250VAC MURATA
C903	065T306M1022BP	Y1.CAP.001UF 250VAC MURATA
C904	065T306M1022BP	Y1.CAP.001UF 250VAC MURATA
C915	065T306M1022BP	Y1.CAP.001UF 250VAC MURATA
C970	065T306M2222BP	Y1.CAP.0022UF 250V AC
C907	067T 4018116N	105C KMQ180UF+-20% 420V
C907	067T 40K18116K	105C EC SHAP-IN
C932	067T215B102 4R	1000UF 25V 10*23
C933	067T215B102 4R	1000UF 25V 10*23
C930	067T215L102 6N	KY35VB1000M-L 5*25MM
C948	067T215L102 6N	KY35VB1000M-L 5*25MM
C949	067T215L102 6N	KY35VB1000M-L 5*25MM
C950	067T215L102 6N	KY35VB1000M-L 5*25MM
C951	067T215L102 6N	KY35VB1000M-L 5*25MM
C930	067T215L102 6R	LOW E.S.R 1000UF +/-20% 35V
C948	067T215L102 6R	LOW E.S.R 1000UF +/-20% 35V
C949	067T215L102 6R	LOW E.S.R 1000UF +/-20% 35V
C950	067T215L102 6R	LOW E.S.R 1000UF +/-20% 35V
C951	067T215L102 6R	LOW E.S.R 1000UF +/-20% 35V
C932	067T215L1024NL	KY25VB1000M-L 10*25MM
C933	067T215L1024NL	KY25VB1000M-L 10*25MM
C934	067T215L221 4N	LOW E.S.R 220UFM 25V
C934	067T215L221 4R	LOWE.S.R 220UFM 25V
C931	067T215L221 6N	KY35VB220M-L 8*15MM
C955	067T215L471 6N	KY35VB470M-L 10*20MM
C955	067T215L471 6R	LOW E.S.R 470UF +/-20% 35V
L906	073L 174 44 LG	POWER TRANSFORMER
L906	073L 174 44 TG	CHOKE COIL
L953	073L 174 46 LG	FILTER
L953	073L 174 46LSG	FILTER
L952	073L 174 47 LG	CHOKE COIL
L952	073L 174 47LSG	LINE FILTER

L903	073L 174 48 LG	LINE FILTER
L904	073L 174 49 LG	LINE FILTER
L904	073L 174 49LSG	LINE FILTER
L905	073L 174 52 LG	CHOKE COIL
L905	073L 174 52LSG	CHOKE COIL
L902	073L 253156 LH	CHOKE COIL
L901	073L 253156 LH	CHOKE COIL
L902	073L 253156 TH	CHOKE COIL
L901	073L 253156 TH	CHOKE COIL
L922	073T 253155 L	CHOKE
L923	073T 253155 L	CHOKE
L922	073T 253155 T	CHOKE COIL
L923	073T 253155 LS	CAO5005FL
L922	073T 253155 LS	CAO5005FL
T951	080LL26T 2 LG	X'FMR
T951	080LL26T 2 TG	X'FMR
T921	080LL26T 3 TG	XFMR
D922	093T1020 752T	UF4003PT
D943	093T1020 752T	UF4003PT
D920	093T1100 1052T	BA159GPT
D921	093T1100 1052T	BA159GPT
D941	093T1100 1052T	BA159GPT
D942	093T1100 1052T	BA159GPT
RJ905	095T 90 26	WIRE HARNESS
CN921	095T8013 12633	HARNESS
	705L F94 56 01	IC981 ASS'Y
	705L F94 57 02	Q942/Q943/D927/D928 ASS'Y
	705L F94 57 04	Q901/Q941/D902 ASS'Y
	705L F94 61 01	R919 ASS'Y
	705L F94 87 02	CN901 ASS'Y
	705L F94 93 01	BD901 ASS'Y
	AD24180A4SMTP	ADAPTER FOR SMT
	DCPF1205A3P	DC TO DC BOARD
CN11	033T3278 12	12P PLUG B12B-XHA/JS B12B-XHA/
CN60	033T3802 2H	WAFER 2P RIGHT ANGLE
CN62	033T3802 3H	WAFER 3P RIGHT ANGLE
CN61	033T3802 5H	WAFER 5P RIGHT ANELE PI
CN12	033T3802 8H	WAFER 8P RIGHT ANGLE PITCH 2.0
CN10	033T801736A H	PIN HEADER 36P 2.0MM
CN20	033T802724D H	24PIN
	040T 457624 1B	CPU LABEL
	040T 45762412B	CBPC LABEL
	044T3231508512	CHIELD D-SUB
U31	056T1133 77	EN29F040A-70JCP
U31	056T1133 80	A29040BL-70F PLCC-32
R711	061T152M109 64	MOFR 1 OHM +-5% 2WS
R714	061T152M109 64	MOFR 1 OHM +-5% 2WS
R727	061T152M229 64	2.2 OHM 2W 5% MOF
R712	061T152M479 64	4.7 OHM +-5% 2W
R710	061T152M479 64	4.7 OHM +-5% 2W
C606	067T215L102 6N	KY35VB1000M-L 5*25MM
C606	067T215L102 6R	LOW E.S.R 1000UF +/-20% 35V
L714	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03
L717	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03
L604	073T 253158 L	CHOKE COIL
L603	073T 253158 L	CHOKE COIL

L605	073T 253158 L	CHOKE COIL
L606	073T 253158 L	CHOKE COIL
P12	088T 30214K	PHONE JACK
P11	088T 35315F HA	D-SU13 15PIN
MTGU21	090T 372 2	HEAT SINK
MTGU60	090T6068 2	HEAT SINK
X20	093T 2253B J	14.31818MHZ/85C
X50	093T 2258B J	24.576MHZ/20PF/49US
X40	093T 2279B	28.32MHZ/14PF/49US
X30	093T 2281B	10.000MHZ/30PF/49US
	Q19T 553700	SPRING
	SMTF6T1BA2P	MAIN BOARD FOR SMT
CN1	033T3802 5H	WAFER 5P RIGHT ANELE PI
J1	088T 30230C	PHONE JACK
J1	088T 30230T	PHONE JACK
GND	095T 900622	WIRE HARNESS
	SMTHJPFA60A8P	TUNER BOARD SMT
CN1	033T802436C H	HEADER FEMALE 36P 2.0MM
	040T 45762412B	CBPC LABEL
R100	061T152M270 64	27 OHM 5% 2W
R33	061T152M330 64	33 OHM 5% 2W
	085T 583510	GASKET
J4	088T 78 13 6C	RCA JACK
J3	088T 78 137CL	AV-S-01-Y
J5	088T 30239S	PHONE JACK 1+1 BLACK
J1	088T 35521A HC	SCART CONN.R/A 21PIN
J2	088T 35521A HC	SCART CONN.R/A 21PIN
X1	093T 22D60 BH	CRYSTAL 18.432MHZ/12PF/49U
T1	094TPASEALL 3P	FQ1216ME/IH-5(SV22)
	SMTF6QA1P	IOBOARD
CN1	033T3802 4	WAFER PH-4
U1	056T 627 5	TSOP4833
	SMTIRPF6AA4P	IR BOARD FOR SMT
GND1	095T 900619	WIRE HARNESS
	SMTKEPF60KA2P	KEY BOARD FOR SMT
	033F 206 24	DF11-24DS-2C
	033F206T 24	DF11-2428SCF
	033F303TR32060	14301BS-2
	033F303TTD1	TD00-T 2407PS-00
	071F 100511 HS	10*5.5*20
	033F303SM24K30	PK2407P30/TD00-30LH
IC981	056T 379 40	TOP246YN T0-220-7C
	090T 427 1	HEAT SINL
	0M1T1730 8128	SCREW M3x8
	005T 42 1	CUSHION
	012T 372 1	MICA
Q943	057T 600 44	STP40BS15 T0-220
Q942	057T 600 44	STP40BS15 T0-220
Q942	057T 600 45	IRF3415 T0-220AB
Q943	057T 600 45	IRF3415 T0-220AB
	090T 428 1	HEAT SINK
D927	093T 60239	FME-210B T0-220
D927	093T 60245	SP10150
D928	093T 60247	DIODE FME-220A TO-220 SANKEN
	0M1T1730 10128	SCREW M3X10
	012T 372 2	MICA

Q901	057T 667 17	IRFP460APBF T0-247AC
Q901	057T 667 18	STW20NM50
Q901	057T 667 19	2SK3523-01R
Q941	057T 667 21	STP10NK70ZFP
Q941	057T 667 23	2SK3677-01MR
	090T 426 5	HEAT SINK
D902	093T 220 22	DIODE YG972S6R TO-220F FUJI
D902	093T 220 23	DIODE FMX-G26S TO-220 SANKEN
	0M1T1730 8128	SCREW M3x8
R919	061T153M27858G6267	0.27 OHM 5% 3W
	096T 29 8	TUBE
CN901	087T 501 22 RF	AC SOCKET
	095T 900619	WIRE HARNESS
	096T 29 4	SHRINK TUBE UL/CSA
	090T 425 1	HEAT SINK
BD901	093T 50460 18	D10XB60
	0M1T1730 10128	SCREW M3X10
IC941	056T 379 38	L6565D SO-8
IC901	056T 538 8	TDA4863-2G SO-8
Q922	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q924	057T 760 5	DTC144WKA BY FOHM SMT
R947	061V0805000	CHIP 0OHM 1/10W
R944	061V0805000	CHIP 0OHM 1/10W
R922	061V0805000	CHIP 0OHM 1/10W
R954	061V0805100	CHIP 10OHM 1/10W
R955	061V0805100	CHIP 10OHM 1/10W
R920	061V0805100 2F	CHIP 10K OHM 1/8W 1%
R940	061V0805100 2F	CHIP 10K OHM 1/8W 1%
R931	061V0805102	CHIPR 1K OHM +-5% 1/8W
R934	061V0805102	CHIPR 1K OHM +-5% 1/8W
R909	061V0805103	CHIP 10K OHM 1/10W
R910	061V0805103	CHIP 10K OHM 1/10W
R965	061V0805103	CHIP 10K OHM 1/10W
R964	061V0805104	CHIPR 100K OHM+-5% 1/8W
R959	061V0805115 2F	CHIP 11.5K OHM 1/10W 1%
R960	061V0805133	CHIPR 13KOHM +-5% 1/8W
R961	061V0805152	CHIPR 1.5K OHM +-5% 1/8W
R914	061V0805191 2F	19.1K OHM 1/8W 1%
R957	061V0805200 9F	CHIP 20 OHM 1/10W 1%
R958	061V0805202	CHIP 2KOHM 1/8W
R936	061V0805220	CHIP 22 OHM 5% 0805 1/8W
R967	061V0805222	CHIP 2.2KOHM 5% 0805 1/8W
R951	061V0805242	CHIP 2.4KOHM 1% 1/8W
R949	061V0805273	CHIP 27KOHM 5% 0805 1/8W
R930	061V0805280 3F	CHIP 280K OHM 1/10W
R948	061V0805330	CHIP 33 OHM 5% 1/10W
R904	061V0805470	CHIP 47 OHM 1/10W
R933	061V0805471	CHIPR 470 OHM+-5% 1/8W
R935	061V0805472	CHIRP 4.7K OHM +-5% 1/8W
R932	061V0805510 2F	CHIP 51K OHM 1/10W
R953	061V0805563	CHIP 56K OHM 1/8W
R952	061V0805682	CHIP 6.8KOHM 5% 0805 1/8W
R903	061V0805683	CHIPR 68K OHM+-5% 1/8W
R925	061V0805689	CHIP 6.8OHM 5% 1/8W
RJ903	061V1206000	CHIP 0 OHM 1/8W
RJ901	061V1206000	CHIP 0 OHM 1/8W

R908	061V1206000	CHIP 0 OHM 1/8W
R983	061V1206100 3F	CHIP 100K OHM +-1% 1/4W
R923	061V1206100 4F	1M OHM 1/4W 1%
R924	061V1206100 4F	1M OHM 1/4W 1%
R968	061V1206101	CHIP 100 OHM 5% 1/4W
R962	061V1206102	CHIP 1K OHM 5% 1/8W
R926	061V1206205	CHIP 2M OHM 5% 1/4W
R927	061V1206205	CHIP 2M OHM 5% 1/4W
R929	061V1206330	CHIP 33 OHM 5% 1/4W
R946	061V1206330	CHIP 33 OHM 5% 1/4W
R974	061V1206330	CHIP 33 OHM 5% 1/4W
R911	061V1206330 3F	330K OHM 1/4W 1%
R912	061V1206330 3F	330K OHM 1/4W 1%
R913	061V1206330 3F	330K OHM 1/4W 1%
R916	061V1206332	CHIP 3.3KOHM 1/8W 5%
R917	061V1206332	CHIP 3.3KOHM 1/8W 5%
R973	061V1206470	CHIP 47OHM 5% 1/4W
R915	061V1206472	CHIP 4.7KOHM 5% 1/4W
R928	061V1206562	CHIP 5.6K OHM 1/4W
R906	061V1206624	CHIP 620K 5% 1/4W
R907	061V1206624	CHIP 620K 5% 1/4W
R901	061V1206684	RST CHIPR 680KOHM +-5% 1/4W
R902	061V1206684	RST CHIPR 680KOHM +-5% 1/4W
C911	065T0805102 32	CHIP 1000P 50VX7R 0805
C927	065T0805102 32	CHIP 1000P 50VX7R 0805
C913	065T0805103 32	10NF/50V/0805/X7R
C936	065T0805103 32	10NF/50V/0805/X7R
C965	065T0805104 32	CHIP 0.1U 50V X7R
C956	065T0805104 32	CHIP 0.1U 50V X7R
C953	065T0805104 32	CHIP 0.1U 50V X7R
C939	065T0805104 32	CHIP 0.1U 50V X7R
C938	065T0805104 32	CHIP 0.1U 50V X7R
C937	065T0805104 32	CHIP 0.1U 50V X7R
C935	065T0805104 32	CHIP 0.1U 50V X7R
C924	065T0805104 32	CHIP 0.1U 50V X7R
C920	065T0805104 32	CHIP 0.1U 50V X7R
C914	065T0805104 32	CHIP 0.1U 50V X7R
C910	065T0805104 32	CHIP 0.1U 50V X7R
C959	065T0805334 22	0.33UF+-10% 25V X7R 0805
C946	065T0805471 31	CHIP 470PF 50V NPO
C958	065T0805471 31	CHIP 470PF 50V NPO
C912	065T0805474 22	CHIP 0.47UF 25V X7R
C964	065T1206103B2M6213	CHIP 0.01UF 630V X7R
D904	093T 6432P	LL4148 BY PANJIT
D905	093T 6432P	LL4148 BY PANJIT
D906	093T 6432P	LL4148 BY PANJIT
D907	093T 6432P	LL4148 BY PANJIT
D923	093T 6432P	LL4148 BY PANJIT
D924	093T 6432P	LL4148 BY PANJIT
D925	093T 6432P	LL4148 BY PANJIT
D926	093T 6432P	LL4148 BY PANJIT
D929	093T 6432P	LL4148 BY PANJIT
D944	093T 6432P	LL4148 BY PANJIT
D945	093T 6432P	LL4148 BY PANJIT
D946	093T 6432P	LL4148 BY PANJIT
D947	093T 6432P	LL4148 BY PANJIT

D949	093T 6432P	LL4148 BY PANJIT
D950	093T 6432P	LL4148 BY PANJIT
D946	093T 6432V	LL4148-GSO8 SMD BY VISHA
D945	093T 6432V	LL4148-GSO8 SMD BY VISHA
D944	093T 6432V	LL4148-GSO8 SMD BY VISHA
D929	093T 6432V	LL4148-GSO8 SMD BY VISHA
D926	093T 6432V	LL4148-GSO8 SMD BY VISHA
D925	093T 6432V	LL4148-GSO8 SMD BY VISHA
D924	093T 6432V	LL4148-GSO8 SMD BY VISHA
D923	093T 6432V	LL4148-GSO8 SMD BY VISHA
D907	093T 6432V	LL4148-GSO8 SMD BY VISHA
D906	093T 6432V	LL4148-GSO8 SMD BY VISHA
D905	093T 6432V	LL4148-GSO8 SMD BY VISHA
D904	093T 6432V	LL4148-GSO8 SMD BY VISHA
D947	093T 6432V	LL4148-GSO8 SMD BY VISHA
D949	093T 6432V	LL4148-GSO8 SMD BY VISHA
D950	093T 6432V	LL4148-GSO8 SMD BY VISHA
ZD921	093T 39S 10 T	RLZ6.8B LLDS
ZD944	093T 39S 15 T	RLZ15B
ZD943	093T 39S 24 T	RLZ 5.6B LLDS
ZD942	093T 39S 33 T	PTZ 13B
ZD931	093T 39S 38 T	PTZ 9.1B
ZD945	093T 39S 41 T	RLZ24B LLDS
ZD946	093T 39S 42 T	RLZ27B LLDS
D901	093T3060 10	ML35PT
	AD24180A4AIP	ADAPTER FOR AI
CN801	033T800913Z H	PIN HEADER 1*13 R/A
C807	067T215B471 3N	105℃ 470UF M 16V NCC
C806	067T215B471 3N	105℃ 470UF M 16V NCC
C807	067T215B471 3R	LOW E.S.R 470UF +/-20% 16V
C806	067T215B471 3R	LOW E.S.R 470UF +/-20% 16V
C801	067T405V221 4P	105℃ 220UF M 25V
	DC1205A3SMTP	DC TO DC BOARD FOR SMT
U708	056T 133 33AAC	AZ1117H-1.8-E1
U62	056T 192 10	LM358DT
U60	056T 535 8	MAX9704
U21	056T 562600	SVPTMEX52-LF QFP-256
U702	056T 563 25	AIC1084-33PE
U707	056T 563 31	AZ1117D-1.8E1 TO-252
U709	056T 563 31	AZ1117D-1.8E1 TO-252
U706	056T 563 31	AZ1117D-1.8E1 TO-252
U704	056T 563 44	AME8815BEGT 250Z SOP-223
U700	056T 563 44	AME8815BEGT 250Z SOP-223
U710	056T 585 9	IC AP1117E50LA ANACHIP
U701	056T 585 4A	AP1117E33LA
U703	056T 585 4A	AP1117E33LA
U705	056T 585 4A	AP1117E33LA
U16	056T 614 1	74HC4052D
U20	056T 615 9	NO APP EM6A9320BI-5MG
U22	056T 615103	IC61C256AH-12T TSOP-1
U22	056T 615105	AS 7C256A-10TIN TSOP-1
U63	056T 616 3	PT2308S SO-8 PTC
U50	056T 623 11	SAA7117AE/V2/G BGA-156
U45	056T 638601	CS4344-CZZ
U42	056T 642600	SII9011CLU

U32	056T1125610	M30620SPGP LQFP-100PIN
U10	056T1133 34	M24C02-WMN6TP
U40	056T1133 34	M24C02-WMN6TP
U33	056T1133 78	24LC64 ISNG SOIC(150MIL)
U11	056T4LVC 14 P	74LVC14ADT
U46	056T566N600	NDC7002N SOT-6 FAIRCHILD
U44	056T566N600	NDC7002N SOT-6 FAIRCHILD
Q709	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q708	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q706	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q705	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q704	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q60	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q33	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q32	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q20	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q13	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q11	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q10	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q12	057T 417 6	PMBS3906/PHILIPS-SMT
Q14	057T 417 6	PMBS3906/PHILIPS-SMT
Q31	057T 417 6	PMBS3906/PHILIPS-SMT
Q61	057T 417 6	PMBS3906/PHILIPS-SMT
Q707	057T 763 3	AO4411L SO-8 BY AOS SMT
Q703	057T 763 3	AO4411L SO-8 BY AOS SMT
Q702	057T 763 3	AO4411L SO-8 BY AOS SMT
Q701	057T 763 3	AO4411L SO-8 BY AOS SMT
Q700	057T 763 3	AO4411L SO-8 BY AOS SMT
V47	061T 47 1	VARISTOR EZJZ1V80010
V46	061T 47 1	VARISTOR EZJZ1V80010
V45	061T 47 1	VARISTOR EZJZ1V80010
V44	061T 47 1	VARISTOR EZJZ1V80010
V43	061T 47 1	VARISTOR EZJZ1V80010
V42	061T 47 1	VARISTOR EZJZ1V80010
V41	061T 47 1	VARISTOR EZJZ1V80010
V40	061T 47 1	VARISTOR EZJZ1V80010
RN210	061V 125101 8	CHIP ARRAY 100OHM 1/15W 8P4R
RN211	061V 125101 8	CHIP ARRAY 100OHM 1/15W 8P4R
RN212	061V 125101 8	CHIP ARRAY 100OHM 1/15W 8P4R
RN213	061V 125101 8	CHIP ARRAY 100OHM 1/15W 8P4R
RN200	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R
RN201	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R
RN202	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R
RN203	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R
RN204	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R
RN205	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R
RN206	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R
RN207	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R
RN42	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN43	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN44	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN45	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN46	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN47	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN51	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN52	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R

RN53	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN41	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN40	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN35	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN34	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN33	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN32	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN31	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN30	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN209	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
RN208	061V 125330 8	CHIP ARRAY 33 OHM 1/16W 8P4R
R504	061V0603000	CHIPR 0OHM +-5% 1/10W
R503	061V0603000	CHIPR 0OHM +-5% 1/10W
R502	061V0603000	CHIPR 0OHM +-5% 1/10W
R501	061V0603000	CHIPR 0OHM +-5% 1/10W
R500	061V0603000	CHIPR 0OHM +-5% 1/10W
R401	061V0603000	CHIPR 0OHM +-5% 1/10W
R400	061V0603000	CHIPR 0OHM +-5% 1/10W
R321	061V0603000	CHIPR 0OHM +-5% 1/10W
R314	061V0603000	CHIPR 0OHM +-5% 1/10W
R301	061V0603000	CHIPR 0OHM +-5% 1/10W
R226	061V0603000	CHIPR 0OHM +-5% 1/10W
R210	061V0603000	CHIPR 0OHM +-5% 1/10W
R155	061V0603000	CHIPR 0OHM +-5% 1/10W
R645	061V0603000	CHIPR 0OHM +-5% 1/10W
R644	061V0603000	CHIPR 0OHM +-5% 1/10W
R633	061V0603000	CHIPR 0OHM +-5% 1/10W
R631	061V0603000	CHIPR 0OHM +-5% 1/10W
R728	061V0603000	CHIPR 0OHM +-5% 1/10W
R614	061V0603000	CHIPR 0OHM +-5% 1/10W
R613	061V0603000	CHIPR 0OHM +-5% 1/10W
R610	061V0603000	CHIPR 0OHM +-5% 1/10W
R510	061V0603000	CHIPR 0OHM +-5% 1/10W
R509	061V0603000	CHIPR 0OHM +-5% 1/10W
R507	061V0603000	CHIPR 0OHM +-5% 1/10W
R506	061V0603000	CHIPR 0OHM +-5% 1/10W
R505	061V0603000	CHIPR 0OHM +-5% 1/10W
R150	061V0603000	CHIPR 0OHM +-5% 1/10W
R149	061V0603000	CHIPR 0OHM +-5% 1/10W
R148	061V0603000	CHIPR 0OHM +-5% 1/10W
R380	061V0603101	CHIPR 100 OHM+-5% 1/10W
R371	061V0603101	CHIPR 100 OHM+-5% 1/10W
R369	061V0603101	CHIPR 100 OHM+-5% 1/10W
R362	061V0603101	CHIPR 100 OHM+-5% 1/10W
R359	061V0603101	CHIPR 100 OHM+-5% 1/10W
R358	061V0603101	CHIPR 100 OHM+-5% 1/10W
R357	061V0603101	CHIPR 100 OHM+-5% 1/10W
R352	061V0603101	CHIPR 100 OHM+-5% 1/10W
R349	061V0603101	CHIPR 100 OHM+-5% 1/10W
R345	061V0603101	CHIPR 100 OHM+-5% 1/10W
R339	061V0603101	CHIPR 100 OHM+-5% 1/10W
R338	061V0603101	CHIPR 100 OHM+-5% 1/10W
R337	061V0603101	CHIPR 100 OHM+-5% 1/10W
R336	061V0603101	CHIPR 100 OHM+-5% 1/10W
R381	061V0603101	CHIPR 100 OHM+-5% 1/10W
R649	061V0603101	CHIPR 100 OHM+-5% 1/10W

R648	061V0603101	CHIPR 100 OHM+-5% 1/10W
R647	061V0603101	CHIPR 100 OHM+-5% 1/10W
R646	061V0603101	CHIPR 100 OHM+-5% 1/10W
R639	061V0603101	CHIPR 100 OHM+-5% 1/10W
R619	061V0603101	CHIPR 100 OHM+-5% 1/10W
R618	061V0603101	CHIPR 100 OHM+-5% 1/10W
R603	061V0603101	CHIPR 100 OHM+-5% 1/10W
R601	061V0603101	CHIPR 100 OHM+-5% 1/10W
R391	061V0603101	CHIPR 100 OHM+-5% 1/10W
R387	061V0603101	CHIPR 100 OHM+-5% 1/10W
R386	061V0603101	CHIPR 100 OHM+-5% 1/10W
R385	061V0603101	CHIPR 100 OHM+-5% 1/10W
R384	061V0603101	CHIPR 100 OHM+-5% 1/10W
R330	061V0603101	CHIPR 100 OHM+-5% 1/10W
R320	061V0603101	CHIPR 100 OHM+-5% 1/10W
R319	061V0603101	CHIPR 100 OHM+-5% 1/10W
R309	061V0603101	CHIPR 100 OHM+-5% 1/10W
R308	061V0603101	CHIPR 100 OHM+-5% 1/10W
R305	061V0603101	CHIPR 100 OHM+-5% 1/10W
R112	061V0603102	CHIPR 1K OHM+-5% 1/10W
R116	061V0603102	CHIPR 1K OHM+-5% 1/10W
R117	061V0603102	CHIPR 1K OHM+-5% 1/10W
R118	061V0603102	CHIPR 1K OHM+-5% 1/10W
R207	061V0603102	CHIPR 1K OHM+-5% 1/10W
R208	061V0603102	CHIPR 1K OHM+-5% 1/10W
R209	061V0603102	CHIPR 1K OHM+-5% 1/10W
R219	061V0603102	CHIPR 1K OHM+-5% 1/10W
R370	061V0603102	CHIPR 1K OHM+-5% 1/10W
R404	061V0603102	CHIPR 1K OHM+-5% 1/10W
R515	061V0603102	CHIPR 1K OHM+-5% 1/10W
R516	061V0603102	CHIPR 1K OHM+-5% 1/10W
R524	061V0603102	CHIPR 1K OHM+-5% 1/10W
R651	061V0603103	CHIPR 10K OHM+-5% 1/10W
R113	061V0603103	CHIPR 10K OHM+-5% 1/10W
R114	061V0603103	CHIPR 10K OHM+-5% 1/10W
R216	061V0603103	CHIPR 10K OHM+-5% 1/10W
R220	061V0603103	CHIPR 10K OHM+-5% 1/10W
R225	061V0603103	CHIPR 10K OHM+-5% 1/10W
R328	061V0603103	CHIPR 10K OHM+-5% 1/10W
R361	061V0603103	CHIPR 10K OHM+-5% 1/10W
R363	061V0603103	CHIPR 10K OHM+-5% 1/10W
R364	061V0603103	CHIPR 10K OHM+-5% 1/10W
R411	061V0603103	CHIPR 10K OHM+-5% 1/10W
R419	061V0603103	CHIPR 10K OHM+-5% 1/10W
R421	061V0603103	CHIPR 10K OHM+-5% 1/10W
R602	061V0603103	CHIPR 10K OHM+-5% 1/10W
R625	061V0603103	CHIPR 10K OHM+-5% 1/10W
R626	061V0603103	CHIPR 10K OHM+-5% 1/10W
R630	061V0603103	CHIPR 10K OHM+-5% 1/10W
R632	061V0603103	CHIPR 10K OHM+-5% 1/10W
R638	061V0603103	CHIPR 10K OHM+-5% 1/10W
R723	061V0603103	CHIPR 10K OHM+-5% 1/10W
R725	061V0603103	CHIPR 10K OHM+-5% 1/10W
R642	061V0603103	CHIPR 10K OHM+-5% 1/10W
R643	061V0603103	CHIPR 10K OHM+-5% 1/10W
R125	061V0603104	CHIPR 100K OHM+-5% 1/10W

R616	061V0603104	CHIPR 100K OHM+-5% 1/10W
R640	061V0603104	CHIPR 100K OHM+-5% 1/10W
R732	061V0603104	CHIPR 100K OHM+-5% 1/10W
R122	061V0603105	CHIP 1MOHM 1/16W
R416	061V0603105	CHIP 1MOHM 1/16W
R203	061V0603150	CHIP 15 OHM 1/16W
R204	061V0603150	CHIP 15 OHM 1/16W
R205	061V0603150	CHIP 15 OHM 1/16W
R206	061V0603150	CHIP 15 OHM 1/16W
R124	061V0603184	180K 1/10W 5%
R120	061V0603184	180K 1/10W 5%
R374	061V0603202	CHIP 2K OHM 1/16W
R106	061V0603220	CHIPR 22 OHM+-5% 1/10W
R107	061V0603220	CHIPR 22 OHM+-5% 1/10W
R109	061V0603220	CHIPR 22 OHM+-5% 1/10W
R111	061V0603220	CHIPR 22 OHM+-5% 1/10W
R322	061V0603220	CHIPR 22 OHM+-5% 1/10W
R323	061V0603220	CHIPR 22 OHM+-5% 1/10W
R324	061V0603220	CHIPR 22 OHM+-5% 1/10W
R327	061V0603220	CHIPR 22 OHM+-5% 1/10W
R332	061V0603220	CHIPR 22 OHM+-5% 1/10W
R326	061V0603220	CHIPR 22 OHM+-5% 1/10W
R360	061V0603221	220 OHM
R121	061V0603222	CHIPR 2.2K OHM+-5% 1/10W
R119	061V0603222	CHIPR 2.2K OHM+-5% 1/10W
R726	061V0603223	CHIP 22KOHM 1/16W
R721	061V0603223	CHIP 22KOHM 1/16W
R719	061V0603223	CHIP 22KOHM 1/16W
R718	061V0603223	CHIP 22KOHM 1/16W
R637	061V0603243	CHIP 24K OHM 1/10W
R627	061V0603243	CHIP 24K OHM 1/10W
R611	061V0603272	CHIP 2.7K OHM 1/16W
R606	061V0603272	CHIP 2.7K OHM 1/16W
R628	061V0603273	CHIP 27K OHM 1/16W
R635	061V0603273	CHIP 27K OHM 1/16W
R212	061V0603330	CHIP 33 OH 1/16W
R213	061V0603330	CHIP 33 OH 1/16W
R311	061V0603330	CHIP 33 OH 1/16W
R312	061V0603330	CHIP 33 OH 1/16W
R317	061V0603330	CHIP 33 OH 1/16W
R318	061V0603330	CHIP 33 OH 1/16W
R412	061V0603330	CHIP 33 OH 1/16W
R409	061V0603471	CHIPR 470 OHM+-5% 1/16W
R417	061V0603471	CHIPR 470 OHM+-5% 1/16W
R223	061V0603471	CHIPR 470 OHM+-5% 1/16W
R375	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R373	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R372	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R368	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R367	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R366	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R356	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R355	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R350	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R344	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R343	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W

R406	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R402	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R395	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R394	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R393	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R392	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R390	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R389	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R388	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R383	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R382	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R379	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R378	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R376	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R422	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R423	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R424	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R425	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R522	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R525	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R615	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R414	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R420	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R403	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R342	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R217	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R218	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R302	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R303	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R304	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R315	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R316	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R325	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R333	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R334	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R335	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R724	061V0603473	CHIP 47K OHM 1/16W
R717	061V0603473	CHIP 47K OHM 1/16W
R716	061V0603473	CHIP 47K OHM 1/16W
R715	061V0603473	CHIP 47K OHM 1/16W
R629	061V0603473	CHIP 47K OHM 1/16W
R624	061V0603473	CHIP 47K OHM 1/16W
R331	061V0603473	CHIP 47K OHM 1/16W
R620	061V0603473	CHIP 47K OHM 1/16W
R621	061V0603473	CHIP 47K OHM 1/16W
R622	061V0603473	CHIP 47K OHM 1/16W
R623	061V0603473	CHIP 47K OHM 1/16W
R201	061V0603510	CHIP 51 OHM 1/16W
R202	061V0603510	CHIP 51 OHM 1/16W
R641	061V0603561	CHIP 560 OHM 1/16W
R650	061V0603561	CHIP 560 OHM 1/16W
R221	061V0603680	CHIP 68 OHM 1/16W
R222	061V0603680	CHIP 68 OHM 1/16W
R413	061V0603680	CHIP 68 OHM 1/16W
R415	061V0603680	CHIP 68 OHM 1/16W
R519	061V0603680	CHIP 68 OHM 1/16W

R520	061V0603680	CHIP 68 OHM 1/16W
R518	061V0603750	CHIP 75OHM 1/16W
R517	061V0603750	CHIP 75OHM 1/16W
R513	061V0603750	CHIP 75OHM 1/16W
R511	061V0603750	CHIP 75OHM 1/16W
R508	061V0603750	CHIP 75OHM 1/16W
R105	061V0603750	CHIP 75OHM 1/16W
R104	061V0603750	CHIP 75OHM 1/16W
R103	061V0603750	CHIP 75OHM 1/16W
R729	061V0603752	CHIPR 7.5K 1/10W
R730	061V0603752	CHIPR 7.5K 1/10W
R365	061V0603822	CHIP 8.2K OHM 1/16W
L600	061V0805000	CHIP 0OHM 1/10W
R100	061V0805000	CHIP 0OHM 1/10W
R713	061V0805000	CHIP 0OHM 1/10W
R720	061V0805302	CHIP 3K OHM 1/10W
R722	061V0805302	CHIP 3K OHM 1/10W
C633	065T0603101 32	CHIP 100PF 50V X7R
C632	065T0603101 32	CHIP 100PF 50V X7R
C629	065T0603101 32	CHIP 100PF 50V X7R
C615	065T0603101 32	CHIP 100PF 50V X7R
C610	065T0603101 32	CHIP 100PF 50V X7R
C309	065T0603101 32	CHIP 100PF 50V X7R
C306	065T0603101 32	CHIP 100PF 50V X7R
C305	065T0603101 32	CHIP 100PF 50V X7R
C107	065T0603101 32	CHIP 100PF 50V X7R
C118	065T0603101 32	CHIP 100PF 50V X7R
C122	065T0603102 32	CHIP 1000PF 50V X7R
C313	065T0603102 32	CHIP 1000PF 50V X7R
C406	065T0603102 32	CHIP 1000PF 50V X7R
C626	065T0603102 32	CHIP 1000PF 50V X7R
C450	065T0603102 32	CHIP 1000PF 50V X7R
C449	065T0603102 32	CHIP 1000PF 50V X7R
C448	065T0603102 32	CHIP 1000PF 50V X7R
C447	065T0603102 32	CHIP 1000PF 50V X7R
C446	065T0603102 32	CHIP 1000PF 50V X7R
C445	065T0603102 32	CHIP 1000PF 50V X7R
C427	065T0603102 32	CHIP 1000PF 50V X7R
C426	065T0603102 32	CHIP 1000PF 50V X7R
C425	065T0603102 32	CHIP 1000PF 50V X7R
C421	065T0603102 32	CHIP 1000PF 50V X7R
C420	065T0603102 32	CHIP 1000PF 50V X7R
C419	065T0603102 32	CHIP 1000PF 50V X7R
C418	065T0603102 32	CHIP 1000PF 50V X7R
C413	065T0603102 32	CHIP 1000PF 50V X7R
C412	065T0603102 32	CHIP 1000PF 50V X7R
C411	065T0603102 32	CHIP 1000PF 50V X7R
C410	065T0603102 32	CHIP 1000PF 50V X7R
C409	065T0603102 32	CHIP 1000PF 50V X7R
C408	065T0603102 32	CHIP 1000PF 50V X7R
C407	065T0603102 32	CHIP 1000PF 50V X7R
C100	065T0603102 32	CHIP 1000PF 50V X7R
C200	065T0603103 32	CHIP 0.01UF 50V X7R
C205	065T0603103 32	CHIP 0.01UF 50V X7R
C206	065T0603103 32	CHIP 0.01UF 50V X7R
C207	065T0603103 32	CHIP 0.01UF 50V X7R

C208	065T0603103 32	CHIP 0.01UF 50V X7R
C209	065T0603103 32	CHIP 0.01UF 50V X7R
C214	065T0603103 32	CHIP 0.01UF 50V X7R
C300	065T0603103 32	CHIP 0.01UF 50V X7R
C302	065T0603103 32	CHIP 0.01UF 50V X7R
C400	065T0603103 32	CHIP 0.01UF 50V X7R
C432	065T0603103 32	CHIP 0.01UF 50V X7R
C646	065T0603103 32	CHIP 0.01UF 50V X7R
C649	065T0603103 32	CHIP 0.01UF 50V X7R
C650	065T0603103 32	CHIP 0.01UF 50V X7R
C651	065T0603103 32	CHIP 0.01UF 50V X7R
C652	065T0603103 32	CHIP 0.01UF 50V X7R
C284	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C283	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C282	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C281	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C280	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C279	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C417	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C422	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C424	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C429	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C431	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C433	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C441	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C442	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C443	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C444	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C452	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C455	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C298	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C307	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C402	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C403	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C404	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C405	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C414	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C416	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C294	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C293	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C292	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C291	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C290	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C289	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C288	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C287	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C286	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C285	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C505	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C732	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C734	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C735	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C737	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C739	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C741	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C743	065T0603104 12	MLCC 0603 0.1UF K 16V X7R

C744	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C745	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C746	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C750	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C754	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C755	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C756	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C758	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C760	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C713	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C653	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C508	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C528	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C535	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C602	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C603	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C604	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C605	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C628	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C705	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C708	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C710	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C715	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C717	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C719	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C722	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C724	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C727	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C730	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C278	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C212	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C213	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C225	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C226	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C227	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C228	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C229	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C230	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C232	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C237	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C238	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C242	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C111	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C112	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C113	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C114	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C116	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C119	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C120	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C121	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C201	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C202	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C203	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C204	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C246	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C265	065T0603104 12	MLCC 0603 0.1UF K 16V X7R

C266	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C267	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C269	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C270	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C271	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C272	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C273	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C274	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C275	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C276	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C277	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C247	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C249	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C250	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C253	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C255	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C257	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C258	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C259	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C260	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C261	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C262	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C263	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C299	065T0603104 32	CHIP 0.1UF 50V X7R
C621	065T0603104 32	CHIP 0.1UF 50V X7R
C613	065T0603104 32	CHIP 0.1UF 50V X7R
C601	065T0603104 32	CHIP 0.1UF 50V X7R
C252	065T0603104 32	CHIP 0.1UF 50V X7R
C251	065T0603104 32	CHIP 0.1UF 50V X7R
C241	065T0603104 32	CHIP 0.1UF 50V X7R
C240	065T0603104 32	CHIP 0.1UF 50V X7R
C234	065T0603104 32	CHIP 0.1UF 50V X7R
C217	065T0603104 32	CHIP 0.1UF 50V X7R
C216	065T0603104 32	CHIP 0.1UF 50V X7R
C143	065T0603104 32	CHIP 0.1UF 50V X7R
C142	065T0603104 32	CHIP 0.1UF 50V X7R
C110	065T0603104 32	CHIP 0.1UF 50V X7R
C109	065T0603104 32	CHIP 0.1UF 50V X7R
C218	065T0603104 32	CHIP 0.1UF 50V X7R
C221	065T0603104 32	CHIP 0.1UF 50V X7R
C231	065T0603104 32	CHIP 0.1UF 50V X7R
C428	065T0603105 12	CHIP 1UF 16V X7R
C437	065T0603180 31	CHIP 18PF 50V NPO
C439	065T0603180 31	CHIP 18PF 50V NPO
C500	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C501	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C502	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C507	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C509	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C510	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C511	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C512	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C513	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C624	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C620	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C614	065T0603223 32	CHIP 0.022UF 50V X7R 0603

C612	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C521	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C520	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C519	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C518	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C517	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C516	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C515	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C514	065T0603223 32	CHIP 0.022UF 50V X7R 0603
C503	065T0603271 31	CHIP 270PF 50V NPO
C525	065T0603271 31	CHIP 270PF 50V NPO
C529	065T0603271 31	CHIP 270PF 50V NPO
C532	065T0603271 31	CHIP 270PF 50V NPO
C534	065T0603272 32	CHIP 2700PF 50V X7R
C531	065T0603272 32	CHIP 2700PF 50V X7R
C527	065T0603272 32	CHIP 2700PF 50V X7R
C506	065T0603272 32	CHIP 2700PF 50V X7R
C451	065T0603272 32	CHIP 2700PF 50V X7R
C436	065T0603272 32	CHIP 2700PF 50V X7R
C244	065T0603272 32	CHIP 2700PF 50V X7R
C235	065T0603272 32	CHIP 2700PF 50V X7R
C522	065T0603330 31	CHIP 33PF 50V NPO
C523	065T0603330 31	CHIP 33PF 50V NPO
C310	065T0603330 31	CHIP 33PF 50V NPO
C311	065T0603330 31	CHIP 33PF 50V NPO
C219	065T0603330 31	CHIP 33PF 50V NPO
C220	065T0603330 31	CHIP 33PF 50V NPO
C645	065T0603333 32	CHIP 0.033UF 50V X7R
R231	065T0603391 31	CHIP 390PF 50V NPO
C108	065T0603470 31	CHIP 47PF 50V NPO
C637	065T0603471 31	CHIP 470PF 50V NPO
C639	065T0603471 31	CHIP 470PF 50V NPO
C642	065T0603471 31	CHIP 470PF 50V NPO
C643	065T0603471 31	CHIP 470PF 50V NPO
C211	065T0603472 32	CHIP 4700PF 50V X7R
C210	065T0603472 32	CHIP 4700PF 50V X7R
C123	065T0603473 32	CHIP 0.047UF 50V X7R
C115	065T0603473 32	CHIP 0.047UF 50V X7R
C627	065T0603474 17	CHIP 0.47UF 16V Y5V
C618	065T0603474 17	CHIP 0.47UF 16V Y5V
C616	065T0603474 17	CHIP 0.47UF 16V Y5V
C611	065T0603474 17	CHIP 0.47UF 16V Y5V
C609	065T0603474 17	CHIP 0.47UF 16V Y5V
C617	065T0603474 27	CHIP 0.47UF 25V Y5V
C124	065T0603474 27	CHIP 0.47UF 25V Y5V
C117	065T0603474 27	CHIP 0.47UF 25V Y5V
C296	065T0603680 31	CHIP 68PF 50V NPO
C297	065T0603680 31	CHIP 68PF 50V NPO
C504	065T0603681 31	CHIP 680PF 50V NPO
C526	065T0603681 31	CHIP 680PF 50V NPO
C530	065T0603681 31	CHIP 680PF 50V NPO
C533	065T0603681 31	CHIP 680PF 50V NPO
C430	065T0805105 12	1UF +-10% 6V X7R
C765	065T0805105 12	1UF +-10% 6V X7R
C766	065T0805105 12	1UF +-10% 6V X7R
C622	065T0805225 17	CHIP 2.2UF 16V Y5V

C623	065T0805225 17	CHIP 2.2UF 16V Y5V
C638	065T0805225 17	CHIP 2.2UF 16V Y5V
C644	065T0805225 17	CHIP 2.2UF 16V Y5V
C647	065T0805225 17	CHIP 2.2UF 16V Y5V
C648	065T0805225 17	CHIP 2.2UF 16V Y5V
C619	065T0805334 22	0.33UF+-10% 25V X7R 0805
C314	067T 312100 3	SMD EC 10UF 16V 85C B
C304	067T 312100 3	SMD EC 10UF 16V 85C B
C303	067T 312100 3	SMD EC 10UF 16V 85C B
C301	067T 312100 3	SMD EC 10UF 16V 85C B
C268	067T 312100 3	SMD EC 10UF 16V 85C B
C264	067T 312100 3	SMD EC 10UF 16V 85C B
C256	067T 312100 3	SMD EC 10UF 16V 85C B
C401	067T 312100 3	SMD EC 10UF 16V 85C B
C707	067T 312100 3	SMD EC 10UF 16V 85C B
C716	067T 312100 3	SMD EC 10UF 16V 85C B
C723	067T 312100 3	SMD EC 10UF 16V 85C B
C725	067T 312100 3	SMD EC 10UF 16V 85C B
C731	067T 312100 3	SMD EC 10UF 16V 85C B
C740	067T 312100 3	SMD EC 10UF 16V 85C B
C751	067T 312100 3	SMD EC 10UF 16V 85C B
C752	067T 312100 3	SMD EC 10UF 16V 85C B
C753	067T 312100 3	SMD EC 10UF 16V 85C B
C761	067T 312100 3	SMD EC 10UF 16V 85C B
C762	067T 312100 3	SMD EC 10UF 16V 85C B
C763	067T 312100 3	SMD EC 10UF 16V 85C B
C415	067T 312100 3	SMD EC 10UF 16V 85C B
C423	067T 312100 3	SMD EC 10UF 16V 85C B
C440	067T 312100 3	SMD EC 10UF 16V 85C B
C456	067T 312100 3	SMD EC 10UF 16V 85C B
C608	067T 312100 3	SMD EC 10UF 16V 85C B
C625	067T 312100 3	SMD EC 10UF 16V 85C B
C635	067T 312100 3	SMD EC 10UF 16V 85C B
C636	067T 312100 3	SMD EC 10UF 16V 85C B
C641	067T 312100 3	SMD EC 10UF 16V 85C B
C706	067T 312100 3	SMD EC 10UF 16V 85C B
C315	067T 312100 3	SMD EC 10UF 16V 85C B
C254	067T 312100 3	SMD EC 10UF 16V 85C B
C248	067T 312100 3	SMD EC 10UF 16V 85C B
C245	067T 312100 3	SMD EC 10UF 16V 85C B
C243	067T 312100 3	SMD EC 10UF 16V 85C B
C239	067T 312100 3	SMD EC 10UF 16V 85C B
C236	067T 312100 3	SMD EC 10UF 16V 85C B
C233	067T 312100 3	SMD EC 10UF 16V 85C B
C102	067T 312100 3	SMD EC 10UF 16V 85C B
C747	067T 312100 6	SMD EC 10UF 35V 85C
C308	067T 312101 3	SMD EC 100UF 16V 85C D
C312	067T 312101 3	SMD EC 100UF 16V 85C D
C607	067T 312109 7	SMD EC 1UF 50V 85C
C215	067T 312220 3	SMD EC 22UF 16V 85C
C295	067T 312220 3	SMD EC 22UF 16V 85C
C704	067T 312220 3	SMD EC 22UF 16V 85C
C711	067T 312220 3	SMD EC 22UF 16V 85C
C714	067T 312220 3	SMD EC 22UF 16V 85C
C718	067T 312220 3	SMD EC 22UF 16V 85C
C759	067T 312220 3	SMD EC 22UF 16V 85C

C757	067T 312220 3	SMD EC 22UF 16V 85C
C738	067T 312220 3	SMD EC 22UF 16V 85C
C736	067T 312220 3	SMD EC 22UF 16V 85C
C733	067T 312220 3	SMD EC 22UF 16V 85C
C729	067T 312220 3	SMD EC 22UF 16V 85C
C721	067T 312220 3	SMD EC 22UF 16V 85C
C435	067T 312339 3T	CHIP EC 3.3UF 16V 85C
C438	067T 312339 3T	CHIP EC 3.3UF 16V 85C
C453	067T 312339 3T	CHIP EC 3.3UF 16V 85C
C454	067T 312339 3T	CHIP EC 3.3UF 16V 85C
C630	067T 312470 3	SMD EC 47UF 16V 85C D
C634	067T 312470 3	SMD EC 47UF 16V 85C D
C640	067T 312470 3	SMD EC 47UF 16V 85C D
C709	067T 312470 3	SMD EC 47UF 16V 85C D
C712	067T 312470 3	SMD EC 47UF 16V 85C D
C726	067T 312470 3	SMD EC 47UF 16V 85C D
C748	067T 312470 3	SMD EC 47UF 16V 85C D
C749	067T 312470 3	SMD EC 47UF 16V 85C D
LP10	071T 56A121 8T	CHIP BEAD ARRAY 120 OHM
FB44	071T 56G151 A	CHIOP BEAD 150 OHM
FB43	071T 56G151 A	CHIOP BEAD 150 OHM
FB42	071T 56G151 A	CHIOP BEAD 150 OHM
FB41	071T 56G151 A	CHIOP BEAD 150 OHM
FB40	071T 56G151 A	CHIOP BEAD 150 OHM
FB206	071T 56G151 A	CHIOP BEAD 150 OHM
FB205	071T 56G151 A	CHIOP BEAD 150 OHM
FB204	071T 56G151 A	CHIOP BEAD 150 OHM
FB203	071T 56G151 A	CHIOP BEAD 150 OHM
FB202	071T 56G151 A	CHIOP BEAD 150 OHM
FB201	071T 56G151 A	CHIOP BEAD 150 OHM
FB200	071T 56G151 A	CHIOP BEAD 150 OHM
FB11	071T 56G151 A	CHIOP BEAD 150 OHM
FB10	071T 56G151 A	CHIOP BEAD 150 OHM
L203	071T 56G151 B	BEAD 0805 150 OHM
L204	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L601	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L612	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L613	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L614	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L615	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L700	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L703	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L705	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L708	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L712	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L715	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L720	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L721	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L722	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L103	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L30	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L704	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L707	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L100	071T 56U601	BEAD 600 OHM
L101	071T 56U601	BEAD 600 OHM
L102	071T 56U601	BEAD 600 OHM

L104	071T 56U601	BEAD 600 OHM
L607	071T 56U601	BEAD 600 OHM
L608	071T 56U601	BEAD 600 OHM
L609	071T 56U601	BEAD 600 OHM
L610	071T 56U601	BEAD 600 OHM
L611	071T 56U601	BEAD 600 OHM
L709	071T 56U601	BEAD 600 OHM
L710	071T 56U601	BEAD 600 OHM
L711	071T 56U601	BEAD 600 OHM
L713	071T 56U601	BEAD 600 OHM
L719	071T 56U601	BEAD 600 OHM
L202	071T 57G601	BEAD 1206 600 OHM
L201	071T 57G601	BEAD 1206 600 OHM
L200	071T 57G601	BEAD 1206 600 OHM
L40	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900
L41	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900
L42	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900
L43	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900
U31	087T 202 32 NY	IC SOCKET 32PIN PLCC
P40	088T 340 19 H	HDMI HEADER
ZD10	093T 39147	TZMC 5V6
ZD11	093T 39147	TZMC 5V6
ZD600	093T 39147	TZMC 5V6
ZD600	093T 39147SEM	ZMM5V6
ZD600	093T 39149	ZENER DIODE MLL5232B FULL POWER
D100	093T 60230	BAT54C BY MCC
D40	093T 60230	BAT54C BY MCC
D104	093T 60231	NO APP BAT54S SOT-23
D105	093T 60231	NO APP BAT54S SOT-23
D601	093T 64 42 P	BAV70 SOT23
D101	093T 6432V	LL4148-GSO8 SMD BY VISHA
D102	093T 6432V	LL4148-GSO8 SMD BY VISHA
D103	093T 6432V	LL4148-GSO8 SMD BY VISHA
D604	093T 6433P	BAV99
D603	093T 6433P	BAV99
ZD30	093T 39S 60 T	MLL5227B
	715T1616 1	MAIN BOARD PCB
C3	065T0603103 32	CHIP 0.01UF 50V X7R
C2	065T0603103 32	CHIP 0.01UF 50V X7R
C1	065T0603103 32	CHIP 0.01UF 50V X7R
FB3	071T 56U601	BEAD 600 OHM
FB2	071T 56U601	BEAD 600 OHM
FB1	071T 56U601	BEAD 600 OHM
	715T1290 1 5	PCB FOR HJPF
U5	056T 133 30AAC	AZ1117H-1.8-E1
U1	056T 133 30AAC	AZ1117H-1.8-E1
U7	056T 585 4	AIC1117-33CY SOT-223 ANALOG
U2	056T 585 11	AZ1117D-5.0-E1
U4	056T 593 8	IC MSP3410G-QI-C12-100 MICRONAS
U6	056T 593 24	IC TPA5050RSA S-PQFP-N16 TI
U3	056T 638 2	AN15857A QFH064-P-1414H
Q1	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q2	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q3	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q4	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q5	057T 417 4	CHIP PMBS3904 BY PHILIPS

Q6	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q7	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q8	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q9	057T 417 4	CHIP PMBS3904 BY PHILIPS
V18	061T 47 1 1P	RST CHIP VARISTOR 80V Panasonic
V17	061T 47 1 1P	RST CHIP VARISTOR 80V Panasonic
V16	061T 47 1 1P	RST CHIP VARISTOR 80V Panasonic
V13	061T 47 1 1P	RST CHIP VARISTOR 80V Panasonic
V12	061T 47 1 1P	RST CHIP VARISTOR 80V Panasonic
V11	061T 47 1 1P	RST CHIP VARISTOR 80V Panasonic
V1	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V2	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V3	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V4	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V22	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V21	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V19	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V20	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V15	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V14	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V10	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V9	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V8	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V7	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V6	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
V5	061T 47 1 2P	RST CHIP VARISTOR 27V Panasonic
R78	061V0603000	CHIPR 0OHM +-5% 1/10W
R77	061V0603000	CHIPR 0OHM +-5% 1/10W
R99	061V0603000	CHIPR 0OHM +-5% 1/10W
R98	061V0603000	CHIPR 0OHM +-5% 1/10W
R97	061V0603000	CHIPR 0OHM +-5% 1/10W
R96	061V0603000	CHIPR 0OHM +-5% 1/10W
R95	061V0603000	CHIPR 0OHM +-5% 1/10W
R94	061V0603000	CHIPR 0OHM +-5% 1/10W
R35	061V0603000	CHIPR 0OHM +-5% 1/10W
R21	061V0603100	CHIP 10 OHM 1/16W
R30	061V0603100	CHIP 10 OHM 1/16W
R38	061V0603100	CHIP 10 OHM 1/16W
R41	061V0603100	CHIP 10 OHM 1/16W
R45	061V0603100	CHIP 10 OHM 1/16W
R48	061V0603100	CHIP 10 OHM 1/16W
R53	061V0603100	CHIP 10 OHM 1/16W
R59	061V0603100	CHIP 10 OHM 1/16W
R43	061V0603102	CHIPR 1K OHM+-5% 1/10W
R85	061V0603102	CHIPR 1K OHM+-5% 1/10W
R83	061V0603103	CHIPR 10K OHM+-5% 1/10W
R73	061V0603103	CHIPR 10K OHM+-5% 1/10W
R68	061V0603112	CHIP 1.1K OHM 1/10W
R80	061V0603112	CHIP 1.1K OHM 1/10W
R24	061V0603123	CHIP 12K OHM 1/16W
R5	061V0603123	CHIP 12K OHM 1/16W
R66	061V0603181	CHIP 180OHM 1/16W
R14	061V0603183	CHIP 18K OHM 1/16W
R23	061V0603183	CHIP 18K OHM 1/16W
R32	061V0603183	CHIP 18K OHM 1/16W
R67	061V0603201	CHIP 200 OHM 1/10W

R75	061V0603220	CHIPR 22 OHM+-5% 1/10W
R76	061V0603220	CHIPR 22 OHM+-5% 1/10W
R16	061V0603223	CHIP 22KOHM 1/16W
R26	061V0603223	CHIP 22KOHM 1/16W
R12	061V0603223	CHIP 22KOHM 1/16W
R79	061V0603224	CHIP 220K OHM 1/16W
R60	061V0603471	CHIPR 470 OHM+-5% 1/16W
R54	061V0603471	CHIPR 470 OHM+-5% 1/16W
R49	061V0603471	CHIPR 470 OHM+-5% 1/16W
R46	061V0603471	CHIPR 470 OHM+-5% 1/16W
R42	061V0603471	CHIPR 470 OHM+-5% 1/16W
R39	061V0603471	CHIPR 470 OHM+-5% 1/16W
R31	061V0603471	CHIPR 470 OHM+-5% 1/16W
R22	061V0603471	CHIPR 470 OHM+-5% 1/16W
R15	061V0603471	CHIPR 470 OHM+-5% 1/16W
R1	061V0603473	CHIP 47K OHM 1/16W
R109	061V0603473	CHIP 47K OHM 1/16W
R110	061V0603473	CHIP 47K OHM 1/16W
R17	061V0603473	CHIP 47K OHM 1/16W
R18	061V0603473	CHIP 47K OHM 1/16W
R19	061V0603473	CHIP 47K OHM 1/16W
R2	061V0603473	CHIP 47K OHM 1/16W
R20	061V0603473	CHIP 47K OHM 1/16W
R87	061V0603473	CHIP 47K OHM 1/16W
R86	061V0603473	CHIP 47K OHM 1/16W
R58	061V0603473	CHIP 47K OHM 1/16W
R57	061V0603473	CHIP 47K OHM 1/16W
R4	061V0603473	CHIP 47K OHM 1/16W
R3	061V0603473	CHIP 47K OHM 1/16W
R65	061V0603681	CHIP 680 OHM 1/16W
R64	061V0603681	CHIP 680 OHM 1/16W
R107	061V0603681	CHIP 680 OHM 1/16W
R108	061V0603681	CHIP 680 OHM 1/16W
R27	061V0603750	CHIP 75OHM 1/16W
R28	061V0603750	CHIP 75OHM 1/16W
R52	061V0603750	CHIP 75OHM 1/16W
R55	061V0603750	CHIP 75OHM 1/16W
R56	061V0603750	CHIP 75OHM 1/16W
R61	061V0603750	CHIP 75OHM 1/16W
R62	061V0603750	CHIP 75OHM 1/16W
R63	061V0603750	CHIP 75OHM 1/16W
R7	061V0603750	CHIP 75OHM 1/16W
R8	061V0603750	CHIP 75OHM 1/16W
R9	061V0603750	CHIP 75OHM 1/16W
R13	061V0603750	CHIP 75OHM 1/16W
R10	061V0603750	CHIP 75OHM 1/16W
R51	061V0603750	CHIP 75OHM 1/16W
R50	061V0603750	CHIP 75OHM 1/16W
R47	061V0603750	CHIP 75OHM 1/16W
R44	061V0603750	CHIP 75OHM 1/16W
R40	061V0603750	CHIP 75OHM 1/16W
R37	061V0603750	CHIP 75OHM 1/16W
R36	061V0603750	CHIP 75OHM 1/16W
R106	061V0603912	CHIP 9.1K OHM 1/16W
R105	061V0603912	CHIP 9.1K OHM 1/16W
R101	061V0805220	CHIP 22 OHM 5% 0805 1/8W

R11	061V0805750	CHIP 75 OHM 1/10W
C11	065T0603101 31	CHIP 100PF 50V NPO
C99	065T0603101 32	CHIP 100PF 50V X7R
C129	065T0603102 31	CHIP 1000PF 50V NPO
C130	065T0603102 31	CHIP 1000PF 50V NPO
C142	065T0603102 31	CHIP 1000PF 50V NPO
C143	065T0603102 31	CHIP 1000PF 50V NPO
C111	065T0603102 31	CHIP 1000PF 50V NPO
C112	065T0603102 31	CHIP 1000PF 50V NPO
C120	065T0603102 32	CHIP 1000PF 50V X7R
C16	065T0603102 32	CHIP 1000PF 50V X7R
C17	065T0603102 32	CHIP 1000PF 50V X7R
C18	065T0603102 32	CHIP 1000PF 50V X7R
C3	065T0603102 32	CHIP 1000PF 50V X7R
C4	065T0603102 32	CHIP 1000PF 50V X7R
C5	065T0603102 32	CHIP 1000PF 50V X7R
C59	065T0603102 32	CHIP 1000PF 50V X7R
C60	065T0603102 32	CHIP 1000PF 50V X7R
C74	065T0603102 32	CHIP 1000PF 50V X7R
C75	065T0603102 32	CHIP 1000PF 50V X7R
C108	065T0603103 32	CHIP 0.01UF 50V X7R
C109	065T0603103 32	CHIP 0.01UF 50V X7R
C106	065T0603104 32	CHIP 0.1UF 50V X7R
C107	065T0603104 32	CHIP 0.1UF 50V X7R
C124	065T0603104 32	CHIP 0.1UF 50V X7R
C13	065T0603104 32	CHIP 0.1UF 50V X7R
C132	065T0603104 32	CHIP 0.1UF 50V X7R
C133	065T0603104 32	CHIP 0.1UF 50V X7R
C20	065T0603104 32	CHIP 0.1UF 50V X7R
C29	065T0603104 32	CHIP 0.1UF 50V X7R
C30	065T0603104 32	CHIP 0.1UF 50V X7R
C31	065T0603104 32	CHIP 0.1UF 50V X7R
C32	065T0603104 32	CHIP 0.1UF 50V X7R
C34	065T0603104 32	CHIP 0.1UF 50V X7R
C35	065T0603104 32	CHIP 0.1UF 50V X7R
C62	065T0603104 32	CHIP 0.1UF 50V X7R
C63	065T0603104 32	CHIP 0.1UF 50V X7R
C68	065T0603104 32	CHIP 0.1UF 50V X7R
C73	065T0603104 32	CHIP 0.1UF 50V X7R
C83	065T0603104 32	CHIP 0.1UF 50V X7R
C92	065T0603104 32	CHIP 0.1UF 50V X7R
C98	065T0603104 32	CHIP 0.1UF 50V X7R
C1	065T0603222 32	CHIP 2200PF 50V X7R
C14	065T0603222 32	CHIP 2200PF 50V X7R
C15	065T0603222 32	CHIP 2200PF 50V X7R
C2	065T0603222 32	CHIP 2200PF 50V X7R
C64	065T0603470 31	CHIP 47PF 50V NPO
C65	065T0603470 31	CHIP 47PF 50V NPO
C66	065T0603470 31	CHIP 47PF 50V NPO
C102	065T0603471 31	CHIP 470PF 50V NPO
C103	065T0603471 31	CHIP 470PF 50V NPO
C123	065T0603471 32	CHIP 470PF 50V NPO
C72	065T0603471 32	CHIP 470PF 50V NPO
C82	065T0603471 32	CHIP 470PF 50V NPO
C97	065T0603471 32	CHIP 470PF 50V NPO
C76	065T0603473 32	CHIP 0.047UF 50V X7R

C77	065T0603473 32	CHIP 0.047UF 50V X7R
C125	065T0603474 17	CHIP 0.47UF 16V Y5V
C126	065T0603474 17	CHIP 0.47UF 16V Y5V
C127	065T0603474 17	CHIP 0.47UF 16V Y5V
C128	065T0603474 17	CHIP 0.47UF 16V Y5V
C41	065T0603474 27	CHIP 0.47UF 25V Y5V
C43	065T0603474 27	CHIP 0.47UF 25V Y5V
C89	065T0603509 31	CHIP 5PF 50V NPO
C90	065T0603509 31	CHIP 5PF 50V NPO
C86	065T0603560 31	CHIP 56PF 50V NPO
C87	065T0603560 31	CHIP 56PF 50V NPO
C88	065T0603560 31	CHIP 56PF 50V NPO
C10	065T0603680 31	CHIP 68PF 50V NPO
C22	065T0603680 31	CHIP 68PF 50V NPO
C23	065T0603680 31	CHIP 68PF 50V NPO
C24	065T0603680 31	CHIP 68PF 50V NPO
C56	065T0603680 31	CHIP 68PF 50V NPO
C57	065T0603680 31	CHIP 68PF 50V NPO
C58	065T0603680 31	CHIP 68PF 50V NPO
C6	065T0603680 31	CHIP 68PF 50V NPO
C7	065T0603680 31	CHIP 68PF 50V NPO
C8	065T0603680 31	CHIP 68PF 50V NPO
C9	065T0603680 31	CHIP 68PF 50V NPO
C104	065T0805105 17	CHIP IUF 16V Y5V
C105	065T0805105 17	CHIP IUF 16V Y5V
C46	065T0805225 17	CHIP 2.2UF 16V Y5V
C47	065T0805225 17	CHIP 2.2UF 16V Y5V
C48	065T0805225 17	CHIP 2.2UF 16V Y5V
C49	065T0805225 17	CHIP 2.2UF 16V Y5V
C50	065T0805225 17	CHIP 2.2UF 16V Y5V
C51	065T0805225 17	CHIP 2.2UF 16V Y5V
C52	065T0805225 17	CHIP 2.2UF 16V Y5V
C53	065T0805225 17	CHIP 2.2UF 16V Y5V
C54	065T0805225 17	CHIP 2.2UF 16V Y5V
C55	065T0805225 17	CHIP 2.2UF 16V Y5V
C78	065T0805225 17	CHIP 2.2UF 16V Y5V
C79	065T0805225 17	CHIP 2.2UF 16V Y5V
C80	065T0805225 17	CHIP 2.2UF 16V Y5V
C81	065T0805225 17	CHIP 2.2UF 16V Y5V
C110	065T0805225 22	CHIP 2.2UF 25V X7R 0805
C119	065T0805225 22	CHIP 2.2UF 25V X7R 0805
C122	067T 312100 3	SMD EC 10UF 16V 85C B
C121	067T 312100 3	SMD EC 10UF 16V 85C B
C93	067T 312100 3	SMD EC 10UF 16V 85C B
C141	067T 312100 3	SMD EC 10UF 16V 85C B
C140	067T 312100 3	SMD EC 10UF 16V 85C B
C139	067T 312100 3	SMD EC 10UF 16V 85C B
C138	067T 312100 3	SMD EC 10UF 16V 85C B
C19	067T 312100 3	SMD EC 10UF 16V 85C B
C21	067T 312100 3	SMD EC 10UF 16V 85C B
C26	067T 312100 3	SMD EC 10UF 16V 85C B
C36	067T 312100 3	SMD EC 10UF 16V 85C B
C37	067T 312100 3	SMD EC 10UF 16V 85C B
C38	067T 312100 3	SMD EC 10UF 16V 85C B
C39	067T 312100 3	SMD EC 10UF 16V 85C B
C40	067T 312100 3	SMD EC 10UF 16V 85C B

C42	067T 312100 3	SMD EC 10UF 16V 85C B
C44	067T 312100 3	SMD EC 10UF 16V 85C B
C61	067T 312100 3	SMD EC 10UF 16V 85C B
C67	067T 312100 3	SMD EC 10UF 16V 85C B
C69	067T 312100 3	SMD EC 10UF 16V 85C B
C70	067T 312100 3	SMD EC 10UF 16V 85C B
C85	067T 312100 3	SMD EC 10UF 16V 85C B
C95	067T 312100 3	SMD EC 10UF 16V 85C B
C94	067T 312100 3	SMD EC 10UF 16V 85C B
C12	067T 312100 3	SMD EC 10UF 16V 85C B
C101	067T 312100 3	SMD EC 10UF 16V 85C B
C100	067T 312100 3	SMD EC 10UF 16V 85C B
C45	067T 312220 3	SMD EC 22UF 16V 85C
C131	067T 312220 3	SMD EC 22UF 16V 85C
C96	067T 312470 3	SMD EC 47UF 16V 85C D
C91	067T 312470 3	SMD EC 47UF 16V 85C D
C84	067T 312470 3	SMD EC 47UF 16V 85C D
C71	067T 312470 3	SMD EC 47UF 16V 85C D
C33	067T 312470 3	SMD EC 47UF 16V 85C D
C28	067T 312470 3	SMD EC 47UF 16V 85C D
C27	067T 312470 3	SMD EC 47UF 16V 85C D
L14	071T 56G151 A	CHIOP BEAD 150 OHM
L15	071T 56G151 A	CHIOP BEAD 150 OHM
L25	071T 56G151 A	CHIOP BEAD 150 OHM
L9	071T 56G151 A	CHIOP BEAD 150 OHM
L8	071T 56G151 A	CHIOP BEAD 150 OHM
L7	071T 56G151 A	CHIOP BEAD 150 OHM
L6	071T 56G151 A	CHIOP BEAD 150 OHM
L5	071T 56G151 A	CHIOP BEAD 150 OHM
L27	071T 56G151 A	CHIOP BEAD 150 OHM
L26	071T 56G151 A	CHIOP BEAD 150 OHM
L21	071T 56G151 A	CHIOP BEAD 150 OHM
L20	071T 56G151 A	CHIOP BEAD 150 OHM
L19	071T 56G151 A	CHIOP BEAD 150 OHM
L16	071T 56G151 A	CHIOP BEAD 150 OHM
L36	071T 56G151 A	CHIOP BEAD 150 OHM
L17	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L34	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L1	071T 56U601	BEAD 600 OHM
L10	071T 56U601	BEAD 600 OHM
L11	071T 56U601	BEAD 600 OHM
L12	071T 56U601	BEAD 600 OHM
L13	071T 56U601	BEAD 600 OHM
L18	071T 56U601	BEAD 600 OHM
L2	071T 56U601	BEAD 600 OHM
L22	071T 56U601	BEAD 600 OHM
L23	071T 56U601	BEAD 600 OHM
L24	071T 56U601	BEAD 600 OHM
L28	071T 56U601	BEAD 600 OHM
L29	071T 56U601	BEAD 600 OHM
L3	071T 56U601	BEAD 600 OHM
L30	071T 56U601	BEAD 600 OHM
L31	071T 56U601	BEAD 600 OHM
L32	071T 56U601	BEAD 600 OHM
L35	071T 56U601	BEAD 600 OHM
L37	071T 56U601	BEAD 600 OHM

L38	071T 56U601	BEAD 600 OHM
L4	071T 56U601	BEAD 600 OHM
ZD10	093T 39147	TZMC 5V6
ZD11	093T 39147	TZMC 5V6
ZD17	093T 39147	TZMC 5V6
ZD18	093T 39147	TZMC 5V6
ZD19	093T 39147	TZMC 5V6
ZD20	093T 39147	TZMC 5V6
ZD5	093T 39147	TZMC 5V6
ZD7	093T 39147	TZMC 5V6
ZD8	093T 39147	TZMC 5V6
ZD9	093T 39147	TZMC 5V6
D10	093T 6432V	LL4148-GSO8 SMD BY VISHA
	715T2170 1	TUNER BOARD PCB
Q1	057T 417 6	PMBS3906/PHILIPS-SMT
R1	061V0603101	CHIPR 100 OHM+-5% 1/10W
R3	061V0603103	CHIPR 10K OHM+-5% 1/10W
R2	061V1206301	CHIP 300 OHM 5% 1/8W
R4	061V1206331	CHIP 330 OHM 5% 1/8W
C3	065T0603101 31	CHIP 100PF 50V NPO
C4	065T0603104 31	CHIP 0.1UF 50V NPO
C2	065T0603104 31	CHIP 0.1UF 50V NPO
C5	065T0603104 31	CHIP 0.1UF 50V NPO
C1	065T0805475 A5	CHIP 4.7UF 10V X5R
FB2	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB3	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB1	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
D1	081T 14 15 KB	KAA-3528CGKSYKC-01-AOC SMA
	715T1975 1 SM	IR BOARD PCB
CN1	033T8032 4C	WAFER 1.25MM SMT 4P
R5	061V0603000	CHIPR 0OHM +-5% 1/10W
R4	061V0603100 1F	CHIP 1KOHM 1/10W 1%
R2	061V0603180 1F	CHIP 1.8K OHM 1/16W 1%
R1	061V0603220 1F	2.2K OHM 1% 1/10W
R8	061V0603220 2F	CHIP 20K OHM 1/16W 1%
R6	061V0603330 1F	Chipr 3.3KOHM +-1% 1/10W
R3	061V0603390 0F	CHIP 390 OHM 1/16W
R7	061V0603680 1F	CHIP 6.8KOHM 1% 1/10W
C1	065T0603101 32	CHIP 100PF 50V X7R
C2	065T0603101 32	CHIP 100PF 50V X7R
L1	071T 56U601 MA	0805 600 OHM
L2	071T 56U601 MA	0805 600 OHM
S1	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533
S2	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533
S3	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533
S4	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533
S5	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533
S6	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533
S7	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533
D1	093T 6433P	BAV99
	715T1623 1	KEY BOARD PCB
CN901	006T 31500	EYELET
L904	006T 31502	1.5MM RIVET
L906	006T 31502	1.5MM RIVET
NR901	006T 31502	1.5MM RIVET
NR902	006T 31502	1.5MM RIVET

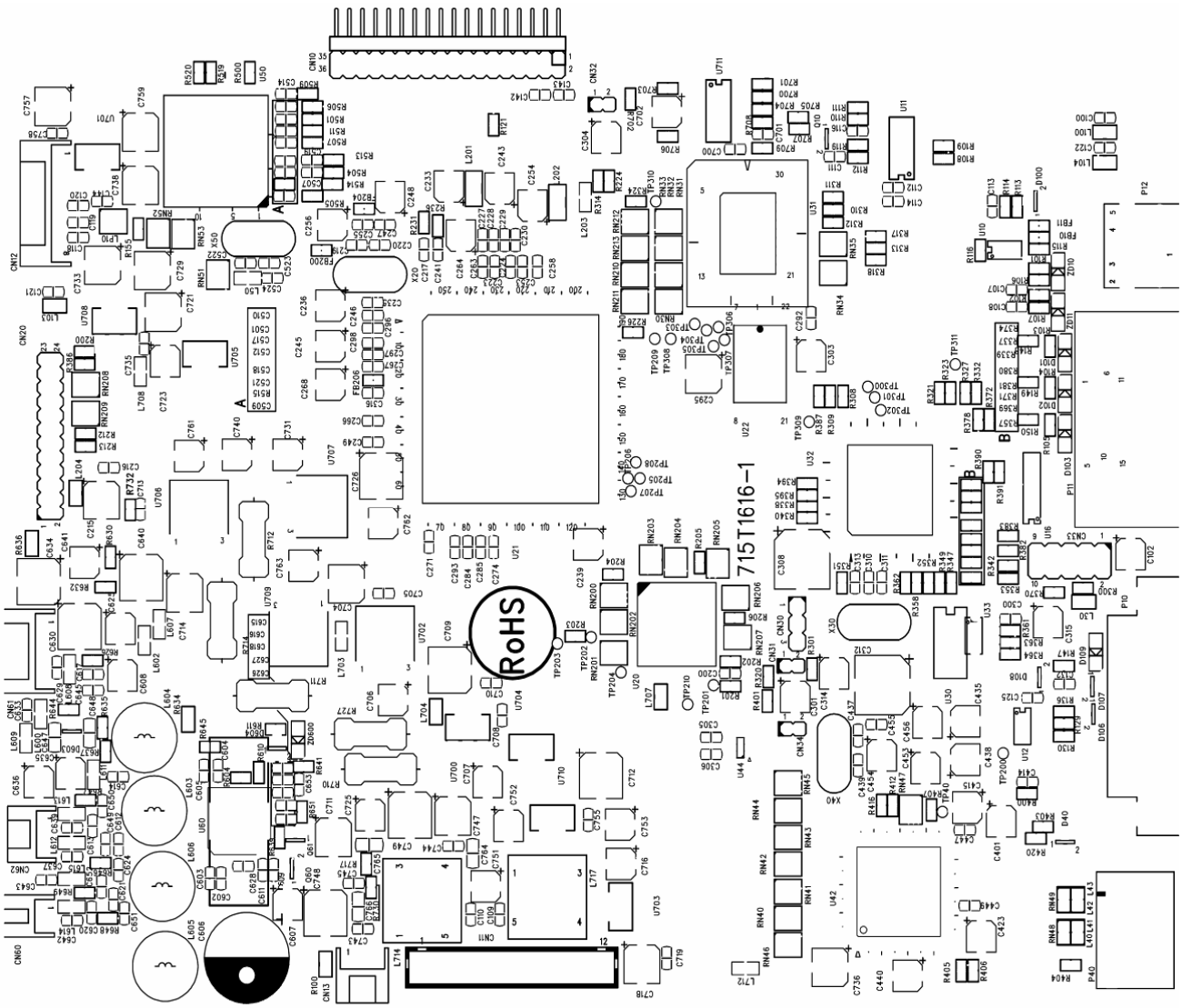
T921	006T 31502	1.5MM RIVET
T951	006T 31502	1.5MM RIVET
C941	065T 1M103 3T6921	0.01uf 20% 1000V Y5V
	715T1180 3	POWER BOARD PCB
J913	095T 90 23	TIN COATED
J912	095T 90 23	TIN COATED
J911	095T 90 23	TIN COATED
J910	095T 90 23	TIN COATED
J909	095T 90 23	TIN COATED
J908	095T 90 23	TIN COATED
J907	095T 90 23	TIN COATED
J905	095T 90 23	TIN COATED
J906	095T 90 23	TIN COATED
J914	095T 90 23	TIN COATED
J935	095T 90 23	TIN COATED
J934	095T 90 23	TIN COATED
J933	095T 90 23	TIN COATED
J931	095T 90 23	TIN COATED
J928	095T 90 23	TIN COATED
J927	095T 90 23	TIN COATED
J926	095T 90 23	TIN COATED
J925	095T 90 23	TIN COATED
J924	095T 90 23	TIN COATED
J923	095T 90 23	TIN COATED
J922	095T 90 23	TIN COATED
J921	095T 90 23	TIN COATED
J920	095T 90 23	TIN COATED
J919	095T 90 23	TIN COATED
J918	095T 90 23	TIN COATED
J917	095T 90 23	TIN COATED
J916	095T 90 23	TIN COATED
J915	095T 90 23	TIN COATED
J904	095T 90 23	TIN COATED
J902	095T 90 23	TIN COATED
J901	095T 90 23	TIN COATED
R938	061T 17247152T	470OHM 5% 1/4W
R966	061T 60110252T	1K OHM +-2% 1/6W
R937	061T 60168152T	680 OHM +-2% 1/6W
L951	071T 55 23	BEAD CORE
L921	071T 55 23	BEAD CORE
L921	071T 55 23 S	FERRITE BEAD K-TYPE
L951	071T 55 23 S	FERRITE BEAD K-TYPE
F901	084T 55 3	FUSE 5A 250V
F901	084T 55 4	FOSE 382-5A 250V SICKMANN
IC943	056T 158 4 T	H431BA
IC923	056T 158 4 T	H431BA
IC923	056T 158 10 T	IC AZ431AZ-AE1 TO-92 AAC
IC943	056T 158 10 T	IC AZ431AZ-AE1 TO-92 AAC
Q945	057T 419 P T	TRAN 2SC945P/NEC TAPING
Q947	057T 419 P T	TRAN 2SC945P/NEC TAPING
Q945	057T 419501 T	KTC945P
Q947	057T 419501 T	KTC945P
Q948	057T 420 P T	TRAN 2SA733P/NEC TAPING
Q946	057T 420 P T	TRAN 2SA733P/NEC TAPING
Q946	057T 420501 T	KTA733P
Q948	057T 420501 T	KTA733P

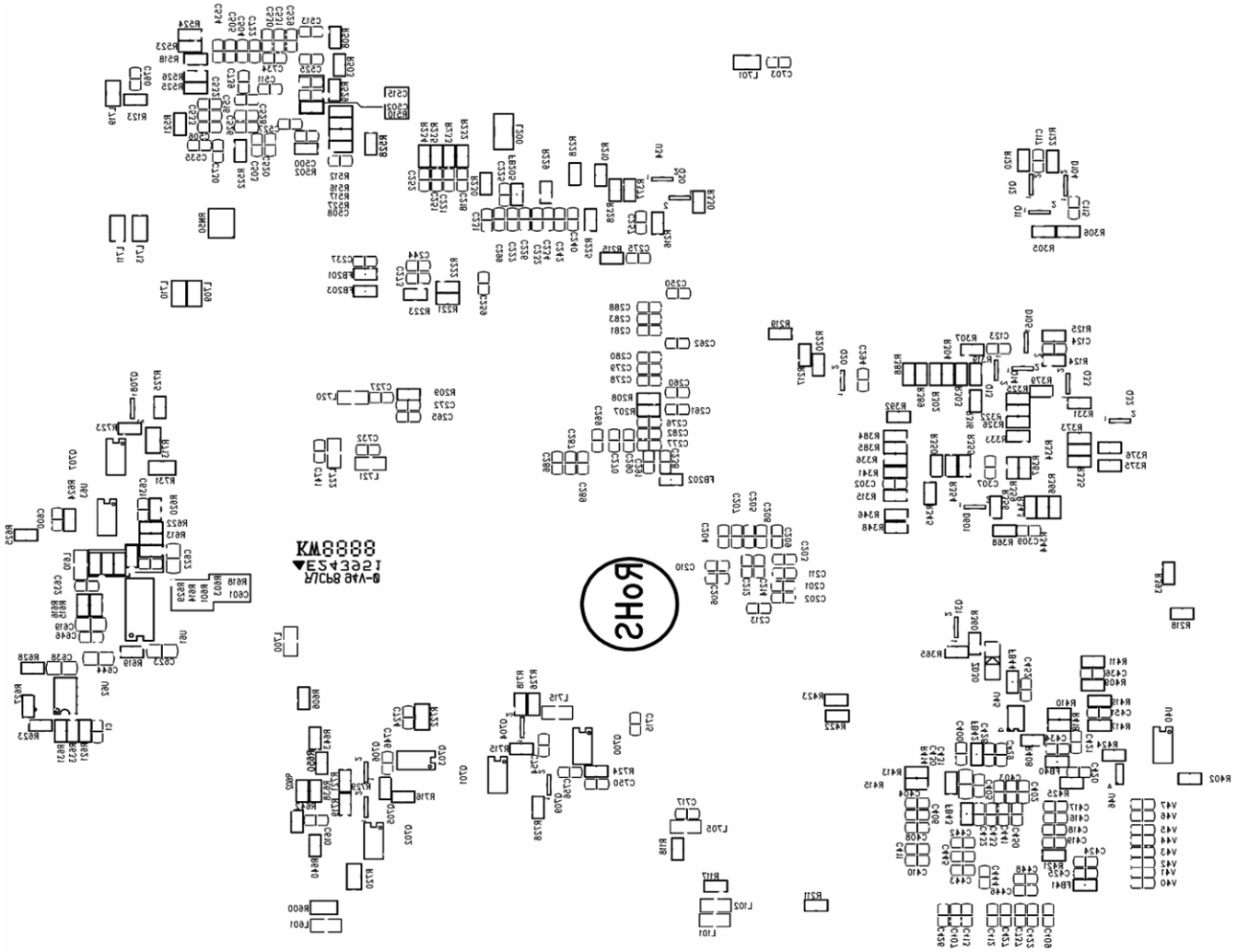
Q926	057T 566 1	2N5060RLRAG TO-92 BY ON
Q926	057T 566 4	MCR100-6SCR
C908	065T517M103 3T	0.01UF 20% 500V Y5P
C909	067T 2151007NT	10UF 50V NCC 5*11MM
C923	067T 2151007NT	10UF 50V NCC 5*11MM
C957	067T 2151007NT	10UF 50V NCC 5*11MM
C909	067T 2151007RT	LOW E.S.R 10UF +/-20% 50V
C923	067T 2151007RT	LOW E.S.R 10UF +/-20% 50V
C957	067T 2151007RT	LOW E.S.R 10UF +/-20% 50V
C925	067T 2154707NT	47UF 50V NCC 5*11MM
C944	067T 2154707NT	47UF 50V NCC 5*11MM
C945	067T 2154707NT	47UF 50V NCC 5*11MM
C925	067T 2154707RT	LOW E.S.R 470UF +/-20% 50V
C944	067T 2154707RT	LOW E.S.R 470UF +/-20% 50V
C945	067T 2154707RT	LOW E.S.R 470UF +/-20% 50V
IC801	056T 133 32 NS	LM3485
Q801	057T 763 3	AO4411L SO-8 BY AOS SMT
Q801	057T 763 4	RSS050P03
R803	061V0603200 2F	CHIP 20K OHM 1/16W 1%
R801	061V0603360 2F	chip 36k ohm 1/10w 1%
R802	061V0603620 2F	CHIP 62K OHM 1/16W 1%
R804	061V1206220	CHIP 22OHM 5% 1/8W
C803	065T0603102 32	CHIP 1000PF 50V X7R
C804	065T0603102 32	CHIP 1000PF 50V X7R
C809	065T0603104 32	CHIP 0.1UF 50V X7R
C805	065T0603471 31	CHIP 470PF 50V NPO
C810	065T0805102 32	CHIP 1000P 50VX7R 0805
C808	065T0805102 32	CHIP 1000P 50VX7R 0805
C802	065T0805105 22	CHIP 1UF 25V X7R 0805
L801	073T M5822020T	22UH +-20%
D801	093T8004 2	SBM84PT
	715T1278 4	DC-TO-DC BOARD PCB

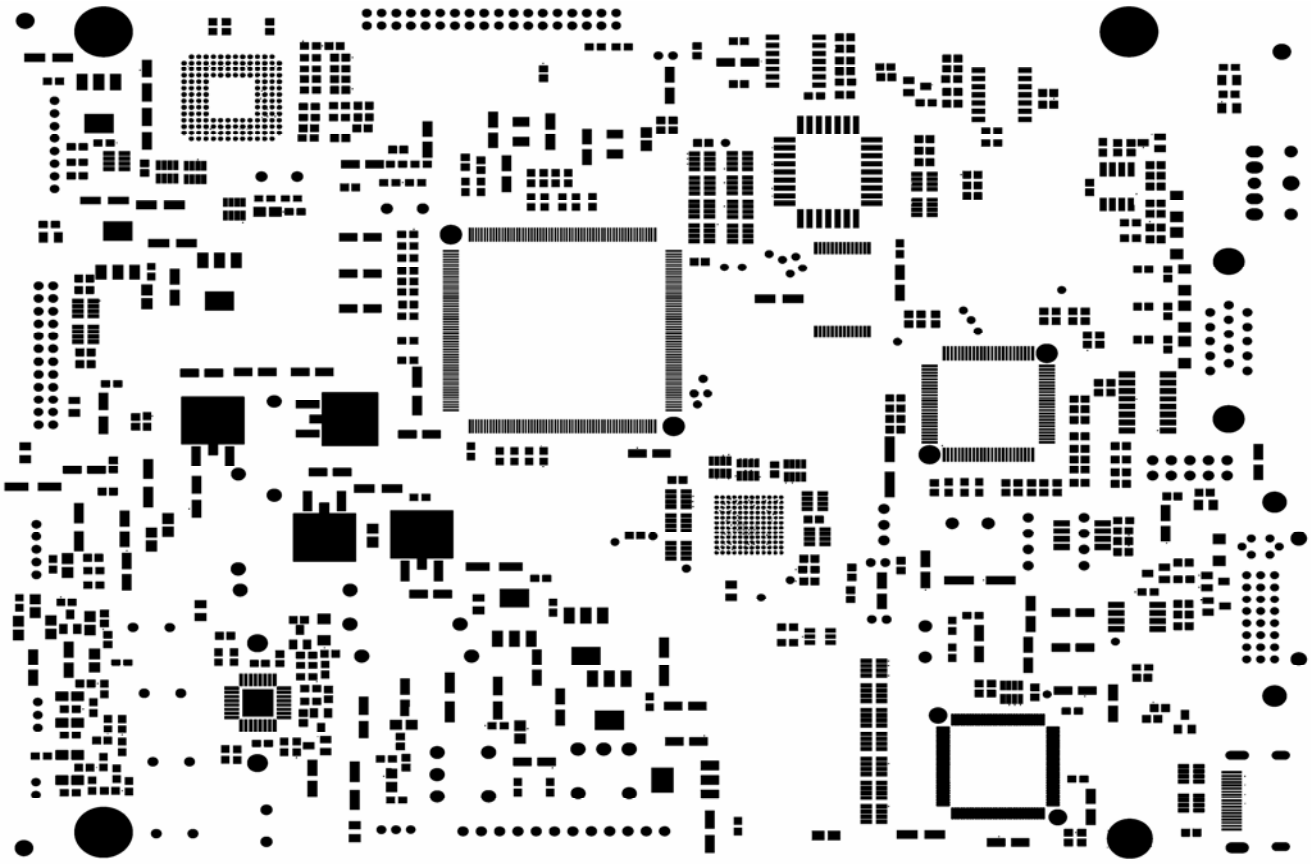
8. PCB Layout

8.1 Main Board

715T1616-1

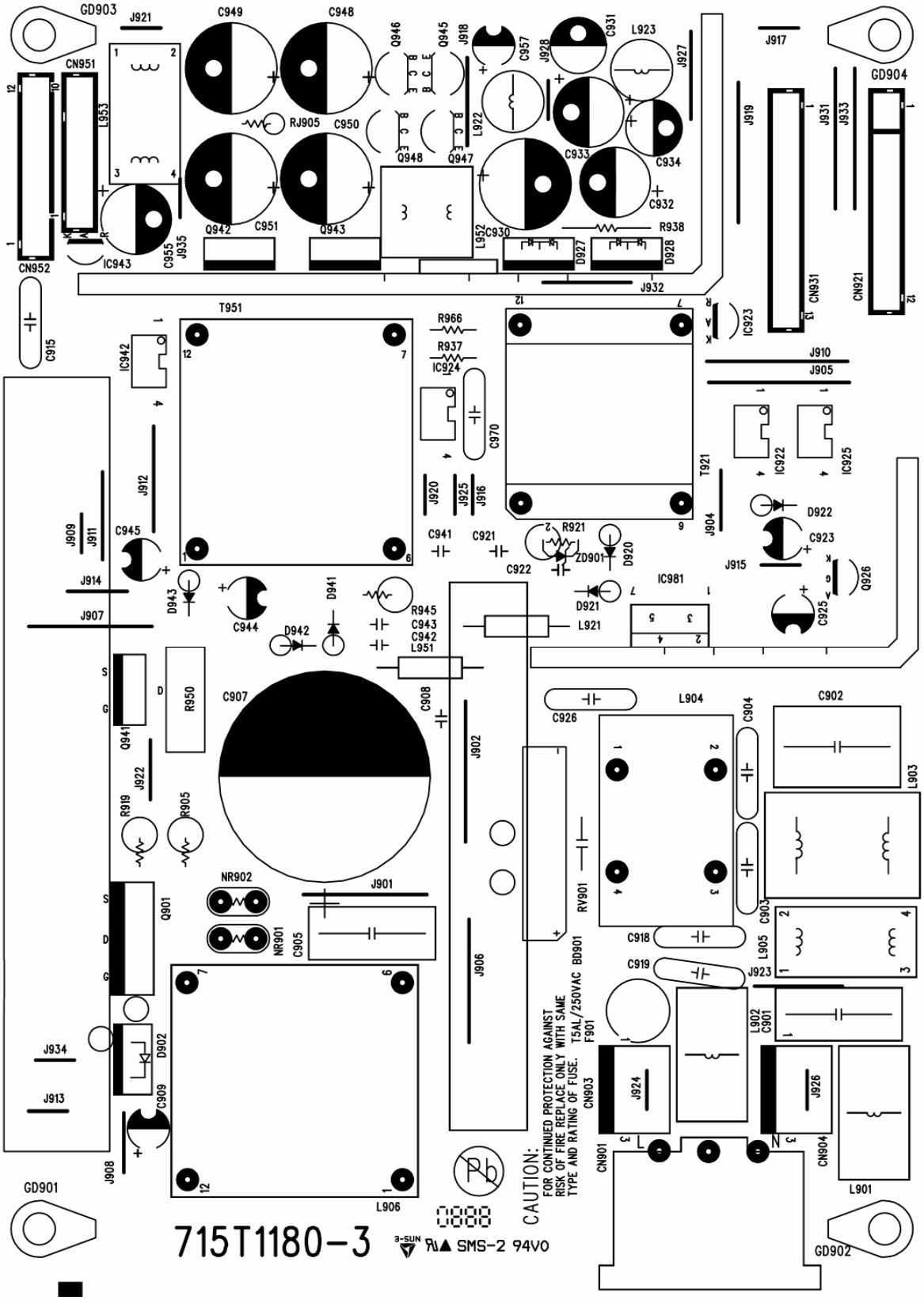


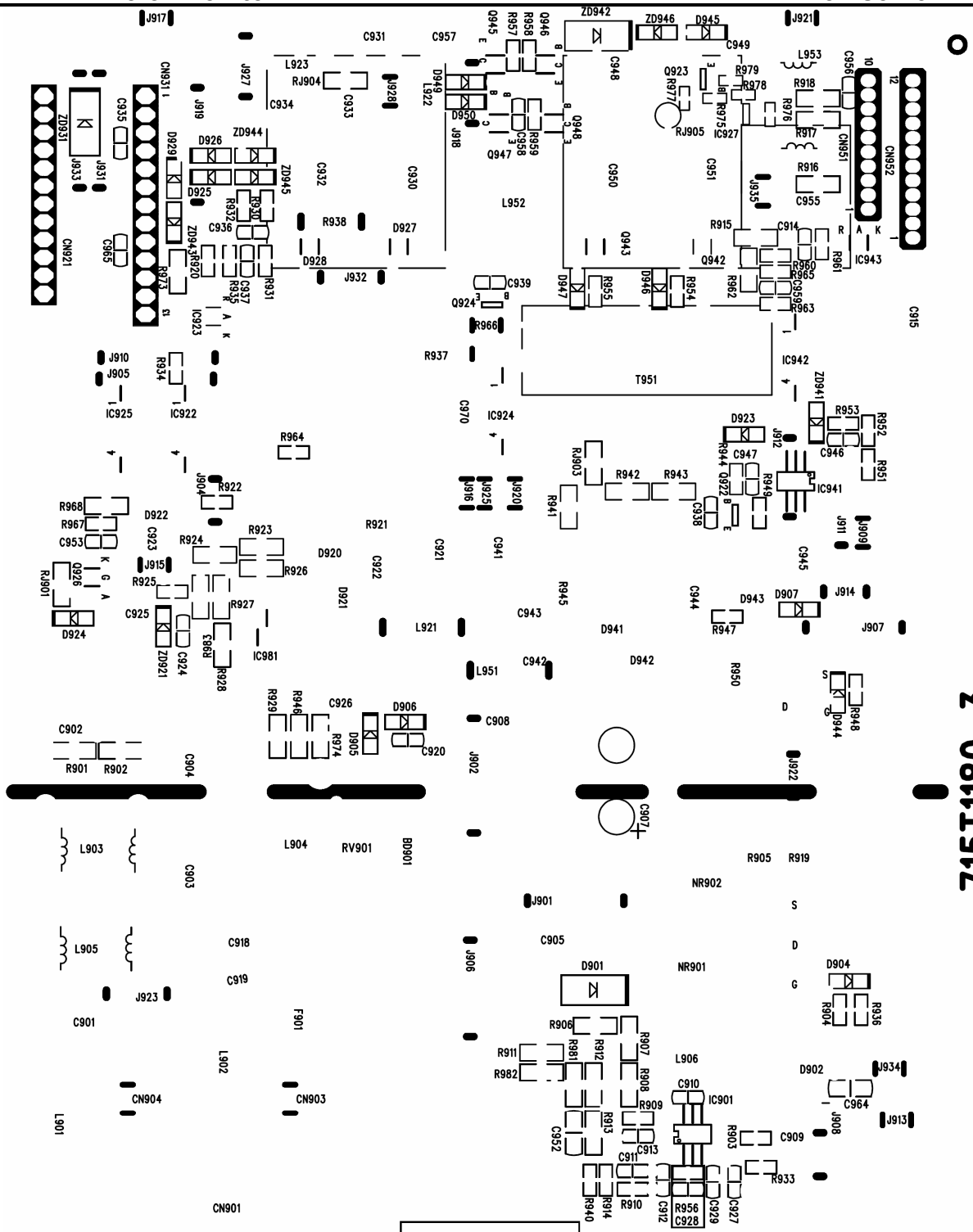


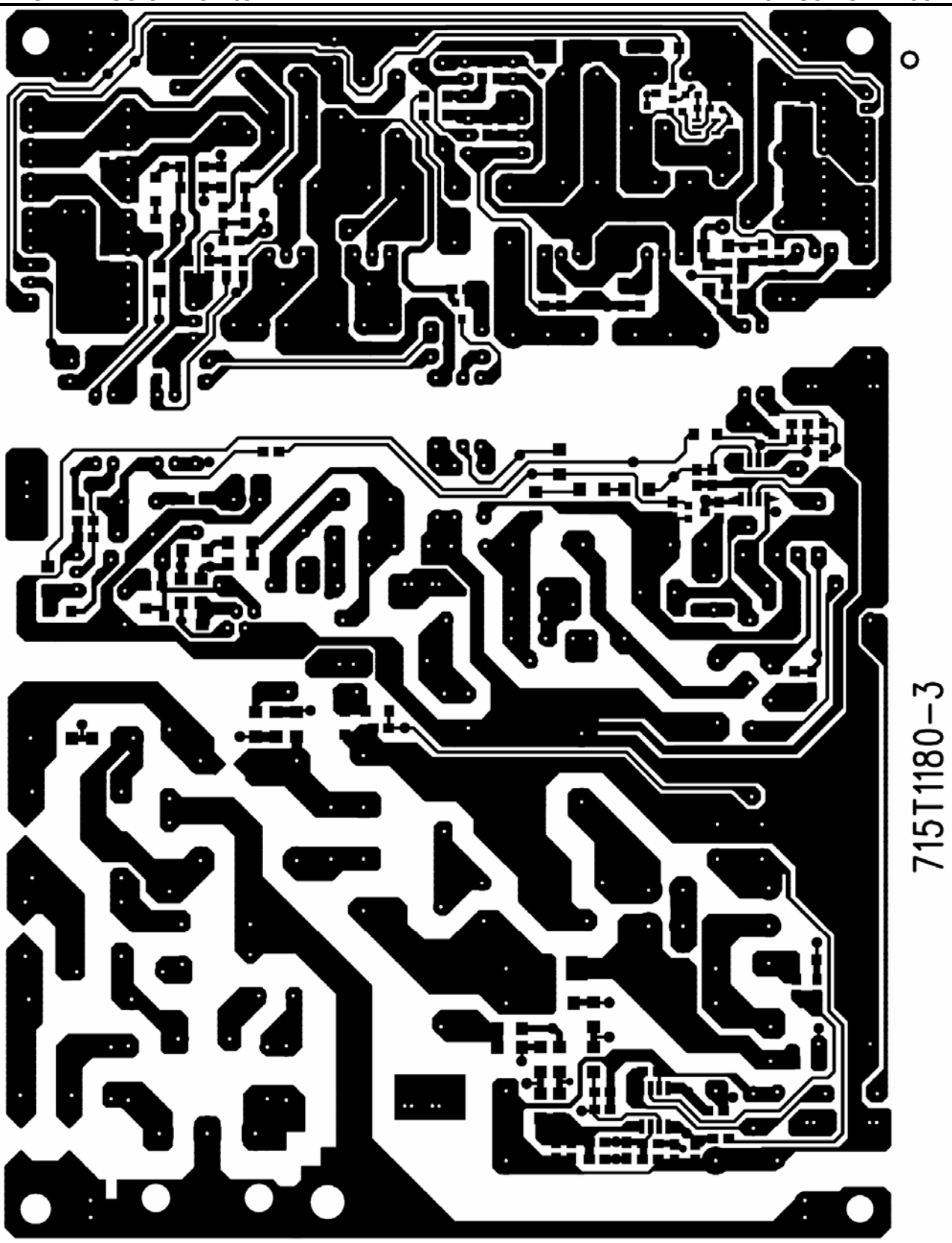


8.2 Power Board

715T1180-3

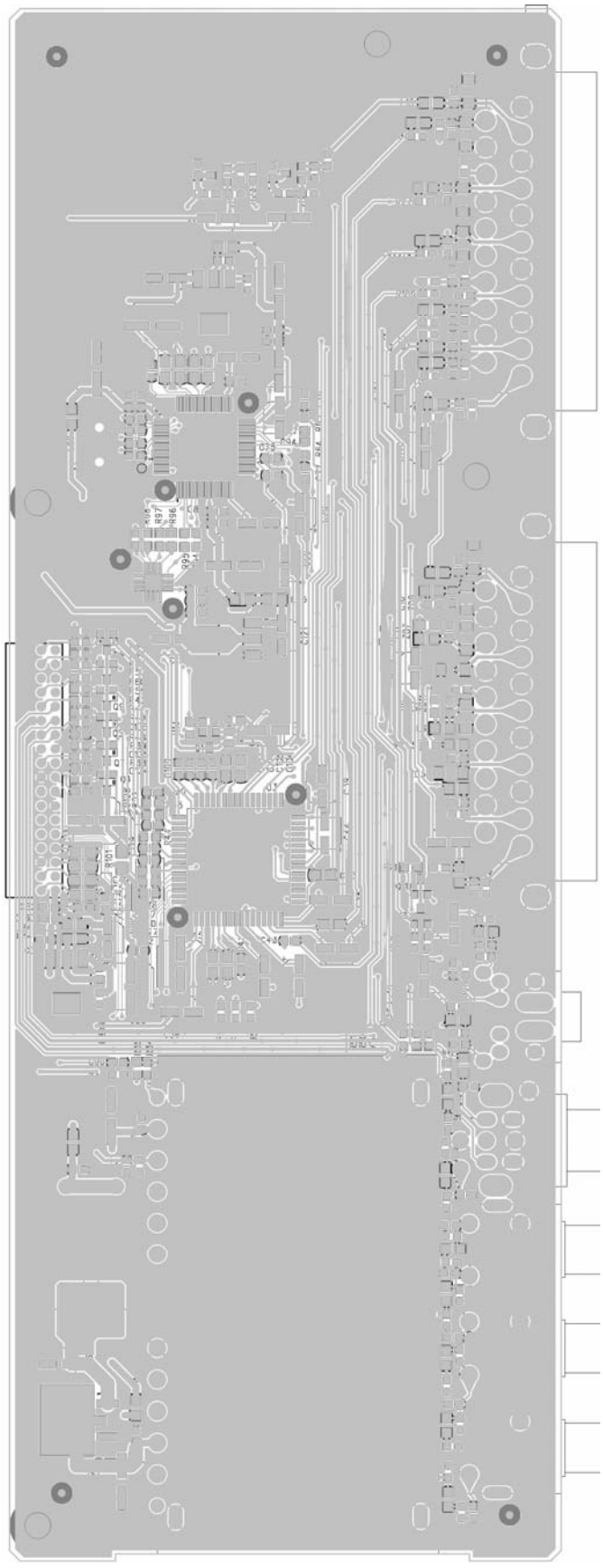



715T1180-3
LABEL POSITION


715T1180-3

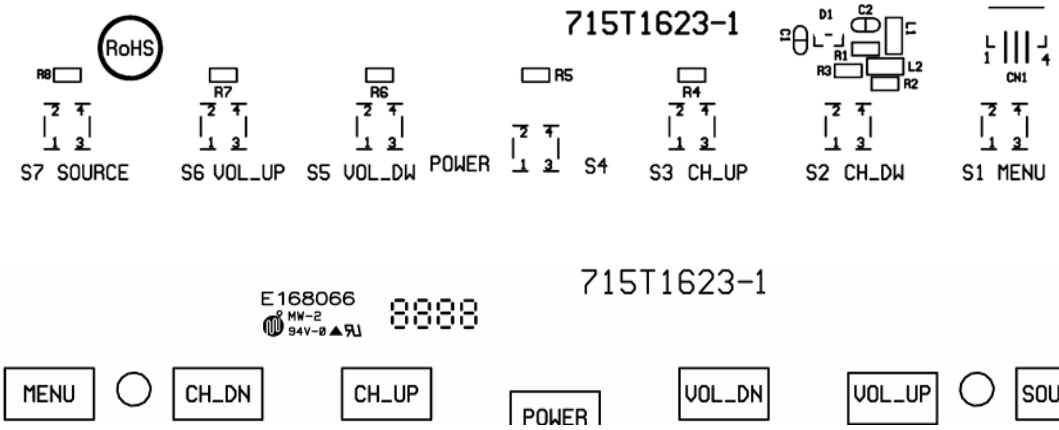
8.3 Tuner Board

715T2170-1



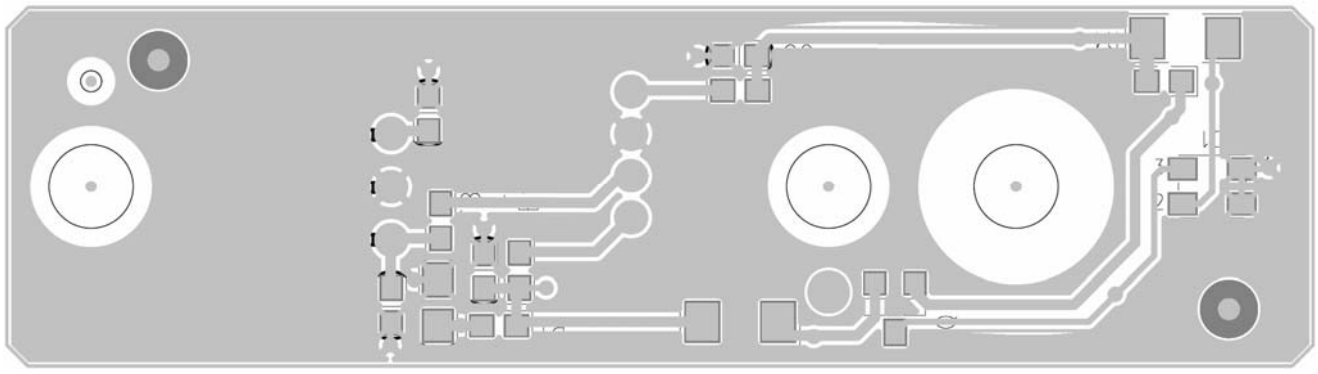
8.4 Key Board

715T1623-1



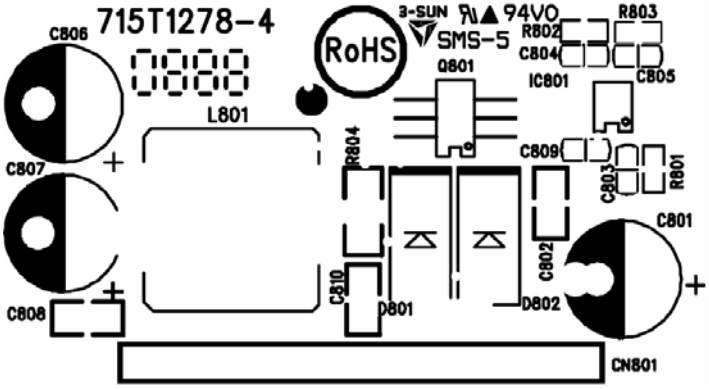
8.5 IR Board

715T1975-1-SM



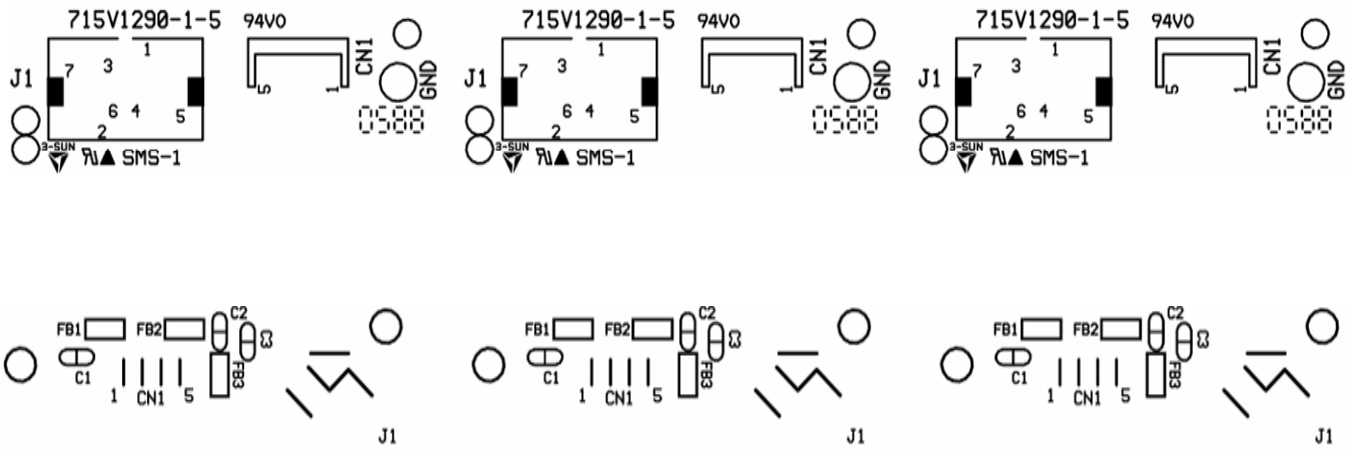
8.6 DC-DC Board

715T1278- 4



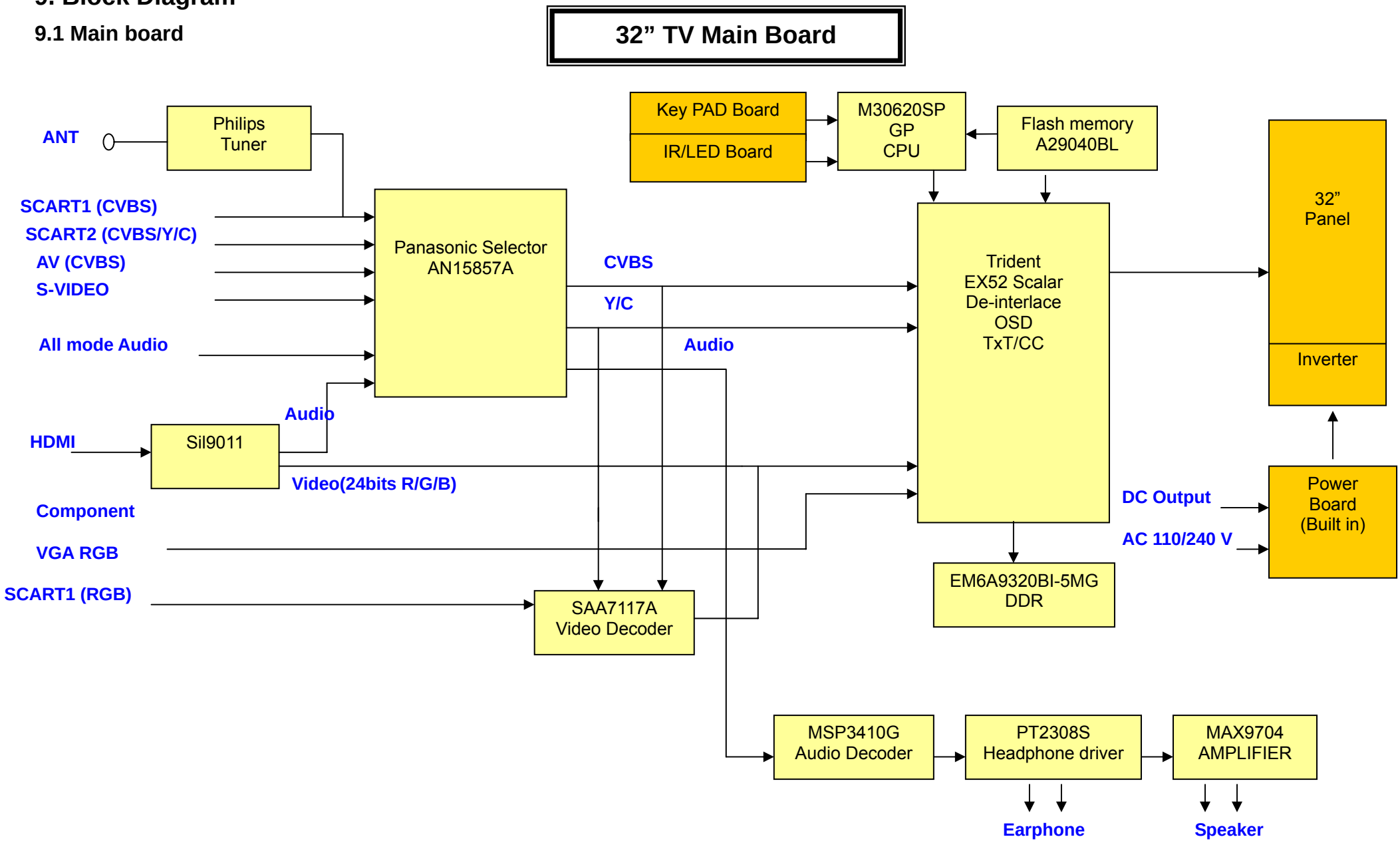
8.7 Headphone Board

715T1290-1-5

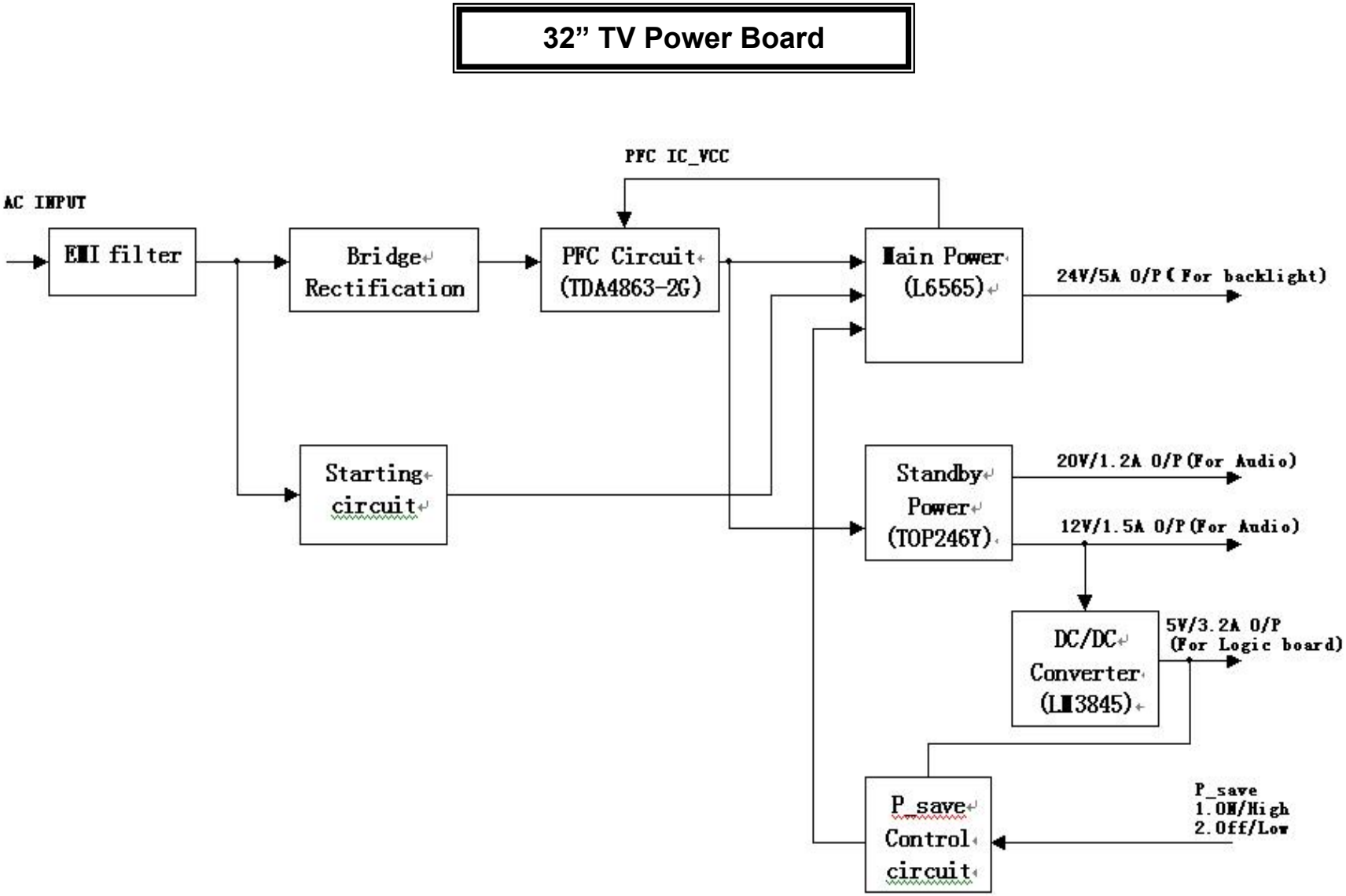


9. Block Diagram

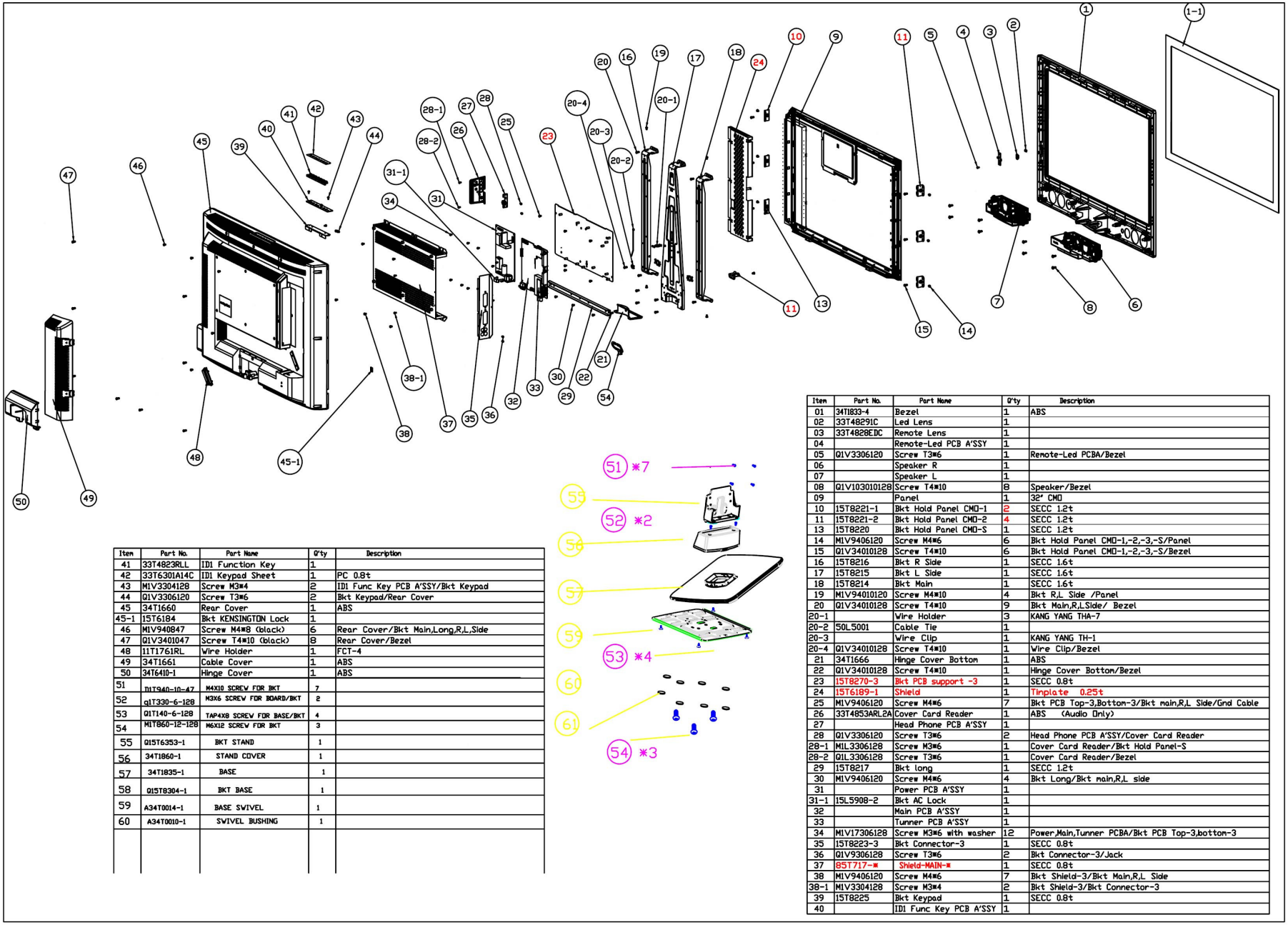
9.1 Main board



9.2 Power Board



10. Exploded View



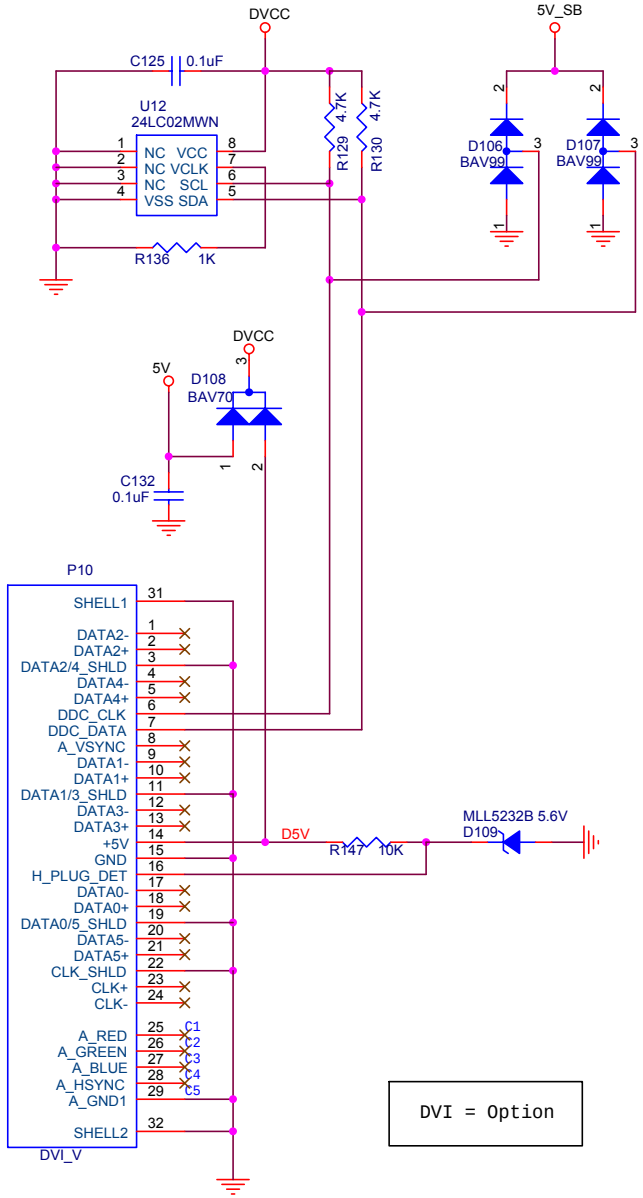
Item	Part No.	Part Name	Q'ty	Description
41	33T4823RLL	ID1 Function Key	1	
42	33T6301A14C	ID1 Keypad Sheet	1	PC 0.8t
43	M1V3304128	Screw M3*4	2	ID1 Func Key PCB A'SSY/Bkt Keypad
44	Q1V3306120	Screw T3*6	2	Bkt Keypad/Rear Cover
45	34T1660	Rear Cover	1	ABS
45-1	15T6184	Bkt KENSINGTON Lock	1	
46	M1V940847	Screw M4*8 (black)	6	Rear Cover/Bkt Main,Long,R,L,Side
47	Q1V3401047	Screw T4*10 (black)	8	Rear Cover/Bezel
48	11T1761RL	Wire Holder	1	FCT-4
49	34T1661	Cable Cover	1	ABS
50	34T6410-1	Hinge Cover	1	ABS
51	01T940-10-47	M4X10 SCREW FOR BKT	7	
52	q1T330-6-128	M3X6 SCREW FOR BOARD/BKT	2	
53	Q1T140-6-128	TAP4X8 SCREW FOR BASE/BKT	4	
54	M1T860-12-128	M6X12 SCREW FOR BKT	3	
55	Q15T6353-1	BKT STAND	1	
56	34T1860-1	STAND COVER	1	
57	34T1835-1	BASE	1	
58	Q15T8304-1	BKT BASE	1	
59	A34T0014-1	BASE SWIVEL	1	
60	A34T0010-1	SWIVEL BUSHING	1	

Item	Part No.	Part Name	Q'ty	Description
01	34T1833-4	Bezel	1	ABS
02	33T48291C	Led Lens	1	
03	33T4828EDC	Remote Lens	1	
04		Remote-Led PCB A'SSY	1	
05	Q1V3306120	Screw T3*6	1	Remote-Led PCBA/Bezel
06		Speaker R	1	
07		Speaker L	1	
08	Q1V103010128	Screw T4*10	8	Speaker/Bezel
09		Panel	1	32' CMO
10	15T8221-1	Bkt Hold Panel CMO-1	2	SECC 1.2t
11	15T8221-2	Bkt Hold Panel CMO-2	4	SECC 1.2t
13	15T8220	Bkt Hold Panel CMO-S	1	SECC 1.2t
14	M1V9406120	Screw M4*6	6	Bkt Hold Panel CMO-1,-2,-3,-S/Panel
15	Q1V34010128	Screw T4*10	6	Bkt Hold Panel CMO-1,-2,-3,-S/Bezel
16	15T8216	Bkt R Side	1	SECC 1.6t
17	15T8215	Bkt L Side	1	SECC 1.6t
18	15T8214	Bkt Main	1	SECC 1.6t
19	M1V94010120	Screw M4*10	4	Bkt R,L Side /Panel
20	Q1V34010128	Screw T4*10	9	Bkt Main,R,L Side/ Bezel
20-1		Wire Holder	3	KANG YANG THA-7
20-2	50L5001	Cable Tie	1	
20-3		Wire Clip	1	KANG YANG TH-1
20-4	Q1V34010128	Screw T4*10	1	Wire Clip/Bezel
21	34T1666	Hinge Cover Bottom	1	ABS
22	Q1V34010128	Screw T4*10	1	Hinge Cover Bottom/Bezel
23	15T8270-3	Bkt PCB support -3	1	SECC 0.8t
24	15T6189-1	Shield	1	Tinplate 0.25t
25	M1V9406120	Screw M4*6	7	Bkt PCB Top-3,Bottom-3/Bkt main,R,L Side/Gnd Cable
26	33T4853ARL2A	Cover Card Reader	1	ABS (Audio Only)
27		Head Phone PCB A'SSY	1	
28	Q1V3306120	Screw T3*6	2	Head Phone PCB A'SSY/Cover Card Reader
28-1	M1L3306128	Screw M3*6	1	Cover Card Reader/Bkt Hold Panel-S
28-2	Q1L3306128	Screw T3*6	1	Cover Card Reader/Bezel
29	15T8217	Bkt long	1	SECC 1.2t
30	M1V9406120	Screw M4*6	4	Bkt Long/Bkt main,R,L side
31		Power PCB A'SSY	1	
31-1	15L5908-2	Bkt AC Lock	1	
32		Main PCB A'SSY	1	
33		Tunner PCB A'SSY	1	
34	M1V17306128	Screw M3*6 with washer	12	Power,Main,Tunner PCBA/Bkt PCB Top-3,bottom-3
35	15T8223-3	Bkt Connector-3	1	SECC 0.8t
36	Q1V9306128	Screw T3*6	2	Bkt Connector-3/Jack
37	85T717-*	Shield-MAIN-*	1	SECC 0.8t
38	M1V9406120	Screw M4*6	7	Bkt Shield-3/Bkt Main,R,L Side
38-1	M1V3304128	Screw M3*4	2	Bkt Shield-3/Bkt Connector-3
39	15T8225	Bkt Keypad	1	SECC 0.8t
40		ID1 Func Key PCB A'SSY	1	

11. Schematic Diagram

11.1 Main Board

715T1616-1



AOC (Top Victory) Electronics Co., Ltd.		
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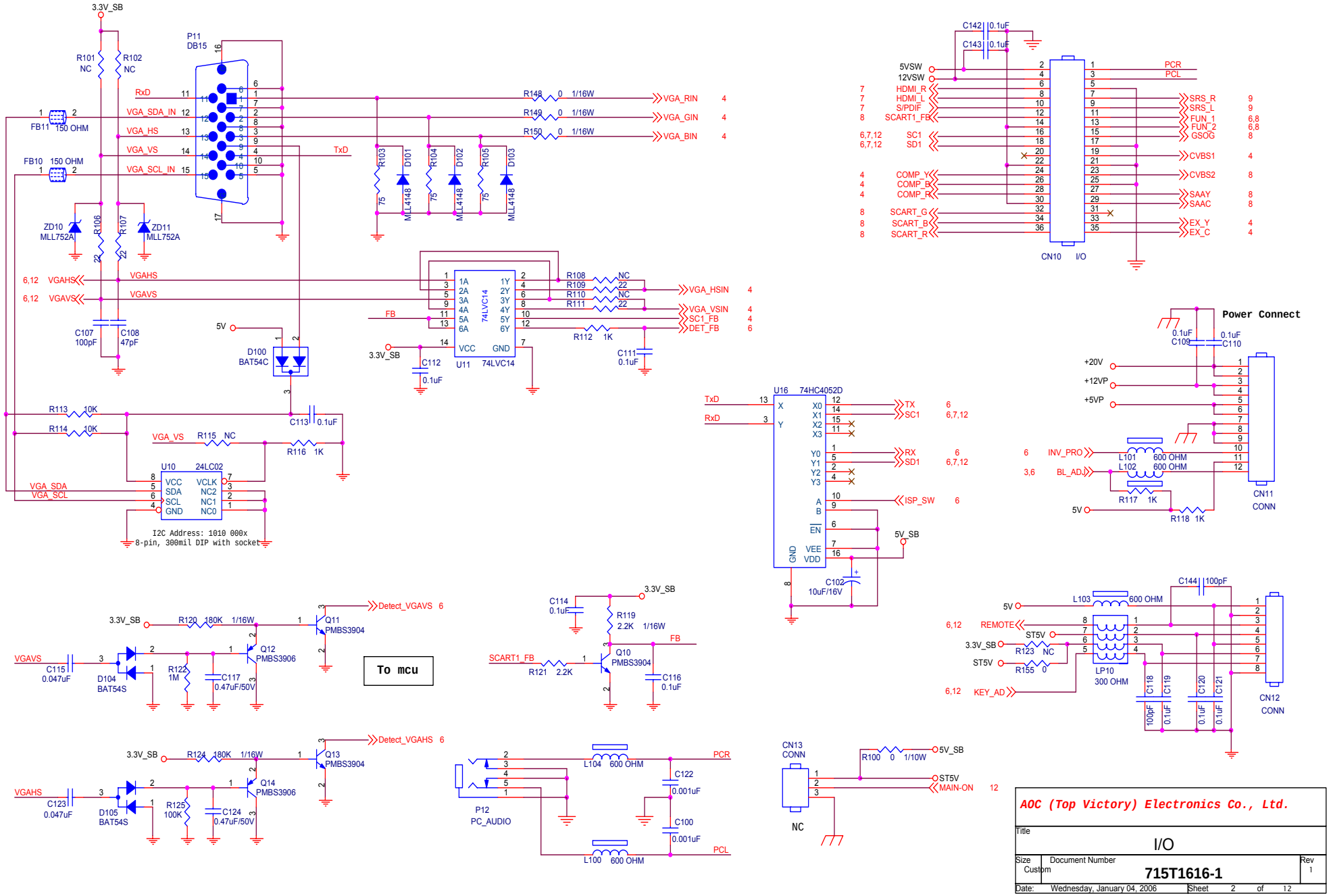
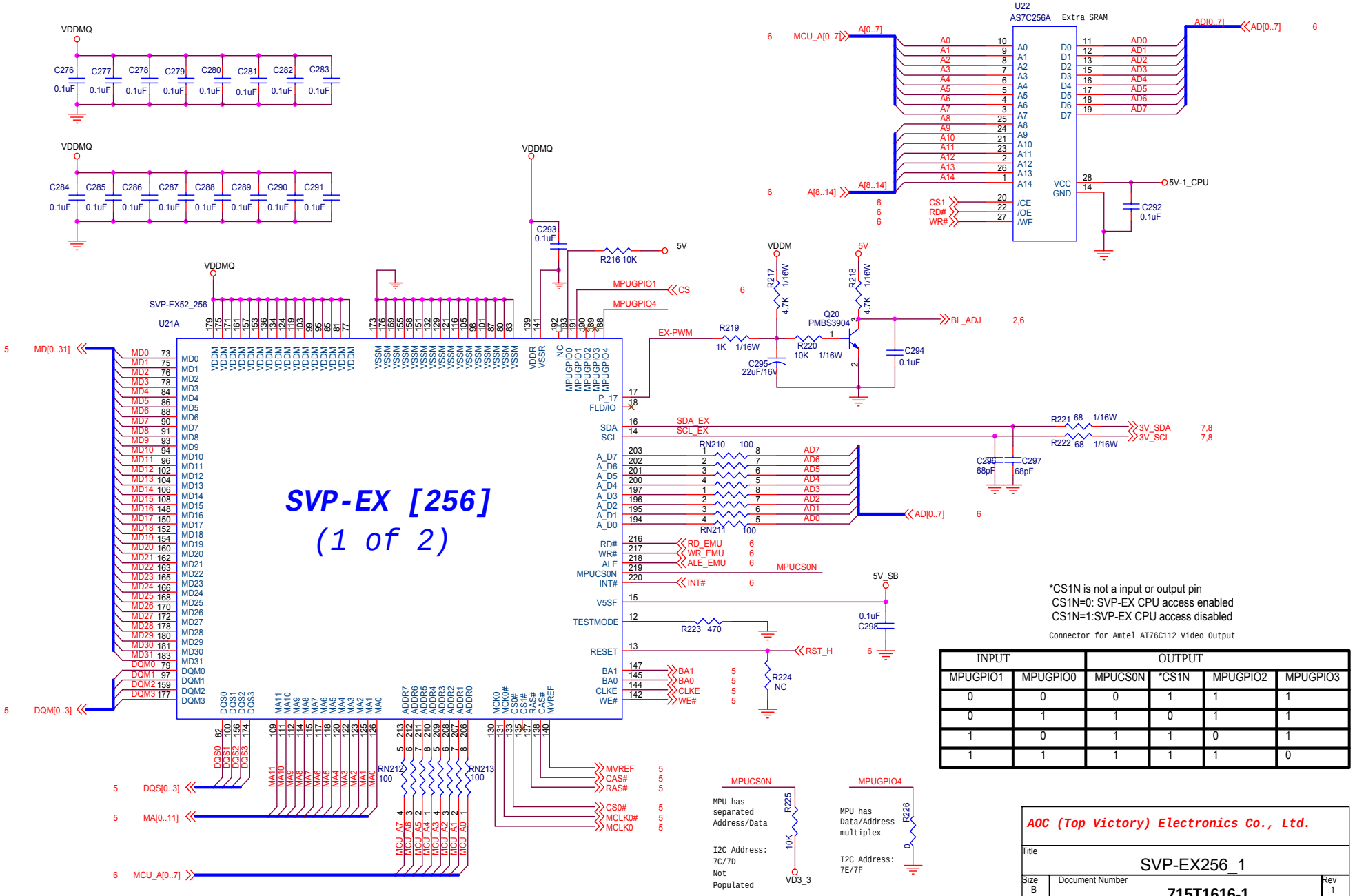
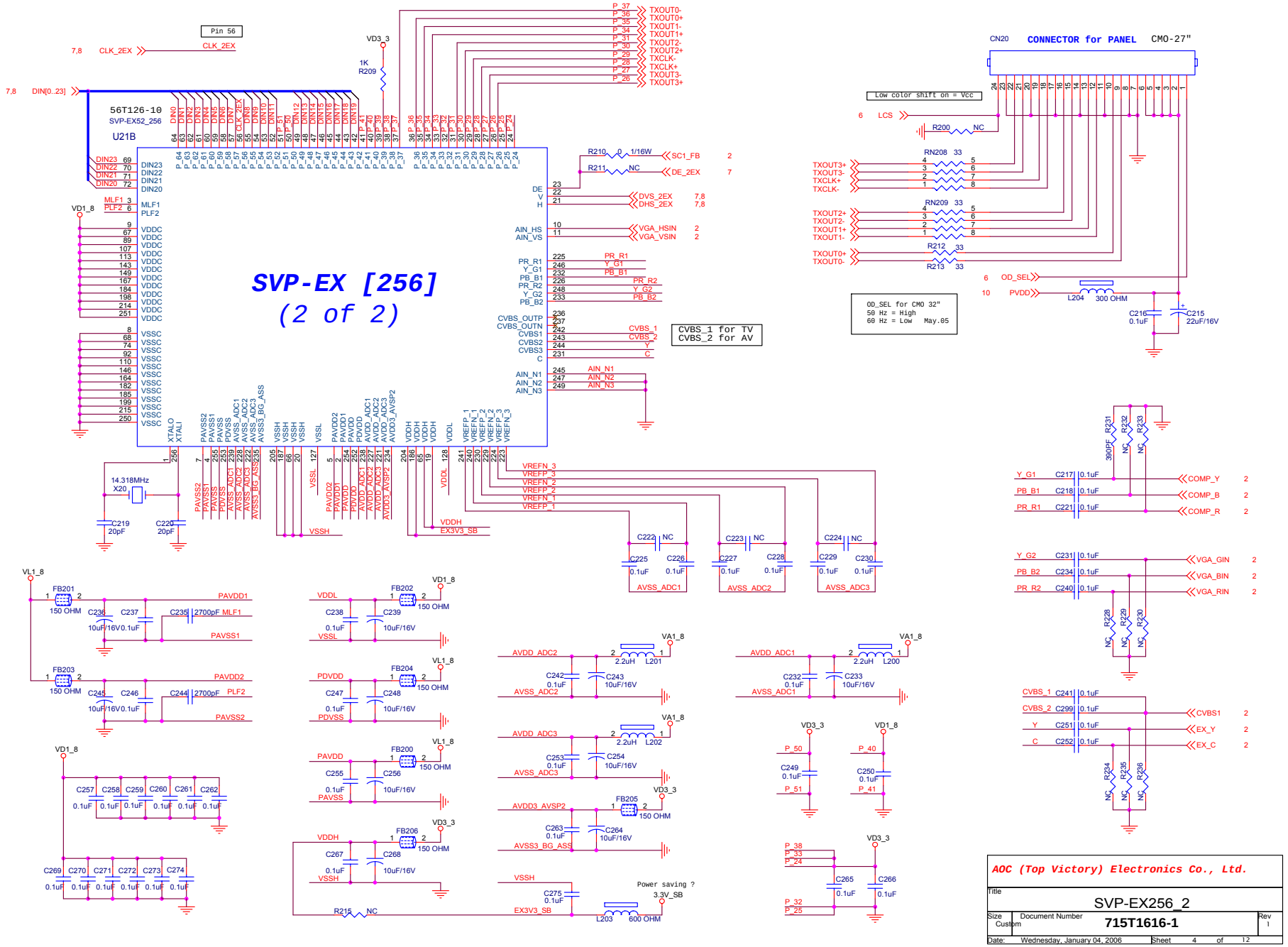
Size: A4	Document Number: 715T1616-1	Rev: 1.0
Date: Wednesday, January 04, 2006	Sheet 1 of 12	

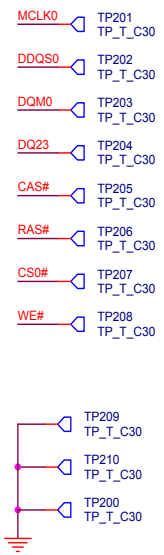

3.3V_SB
P11
DB15
R101 NC
R102 NC
RxD
VGA_SDA_IN
VGA_HS
VGA_VS
VGA_SCL_IN
FB11 150 OHM
FB10 150 OHM
TxD
R103 75
D101 MLL4148
R104 75
D102 MLL4148
R105 75
D103 MLL4148
R148 0 1/16W
R149 0 1/16W
R150 0 1/16W
VGA_RIN 4
VGA_GIN 4
VGA_BIN 4
ZD10 MLL752A
ZD11 MLL752A
R106 22
R107 22
6,12 VGAHS
6,12 VGAVS
C107 100pF
C108 47pF
5V
D100 BAT54C
C113 0.1uF
R113 10K
R114 10K
VGA_VS
R115 NC
R116 1K
U10 24LC02
VGA_SDA
VGA_SCL
I2C Address: 1010 000x
8-pin, 300mil DIP with socket
U11 74LVC14
R108 NC
R109 22
R110 NC
R111 22
VGA_HSIN 4
VGA_VSIN 4
SC1_FB 4
DET_FB 6
FB
R112 1K
C111 0.1uF
C112 0.1uF
3.3V_SB
C142 0.1uF
C143 0.1uF
5VSW
12VSW
HDMI_R
HDMI_L
S/PDIF
SCART1_FB
SC1
SD1
COMP_Y
COMP_B
COMP_R
SCART_G
SCART_B
SCART_R
PCR
PCL
SRS_R
SRS_L
FUN_1
FUN_2
GSOG
CVBS1
CVBS2
SAAY
SAAC
EX_Y
EX_C
CN10 I/O
U16 74HC4052D
TxD
RxD
TX
SC1
RX
SD1
ISP_SW
5V_SB
C102 10uF/16V
Power Connect
C109 0.1uF
C110 0.1uF
+20V
+12VP
+5VP
INV_PRO
BL_ADJ
L101 600 OHM
L102 600 OHM
R117 1K
R118 1K
CN11 CONN
Detect_VGAVS 6
R120 180K 1/16W
Q11 PMBS3904
Q12 PMBS3906
C115 0.047uF
D104 BAT54S
R122 1M
C117 0.47uF/50V
To mcu
C114 0.1uF
R119 2.2K 1/16W
Q10 PMBS3904
SCART1_FB
R121 2.2K
C116 0.1uF
Detect_VGAHS 6
R124 180K 1/16W
Q13 PMBS3904
Q14 PMBS3906
C123 0.047uF
D105 BAT54S
R125 100K
C124 0.47uF/50V
P12
PC_AUDIO
L104 600 OHM
L100 600 OHM
C122 0.001uF
C100 0.001uF
CN13 CONN
NC
R100 0 1/10W
ST5V
MAIN-ON 12
C144 100pF
L103 600 OHM
REMOTE
ST5V
R123 NC
R155 0
KEY_AD
LP10 300 OHM
C118 100pF
C119 0.1uF
C120 0.1uF
C121 0.1uF
CN12 CONN
AOC (Top Victory) Electronics Co., Ltd.
Title
I/O
Size Custom
Document Number 715T1616-1
Rev 1
Date: Wednesday, January 04, 2006
Sheet 2 of 12

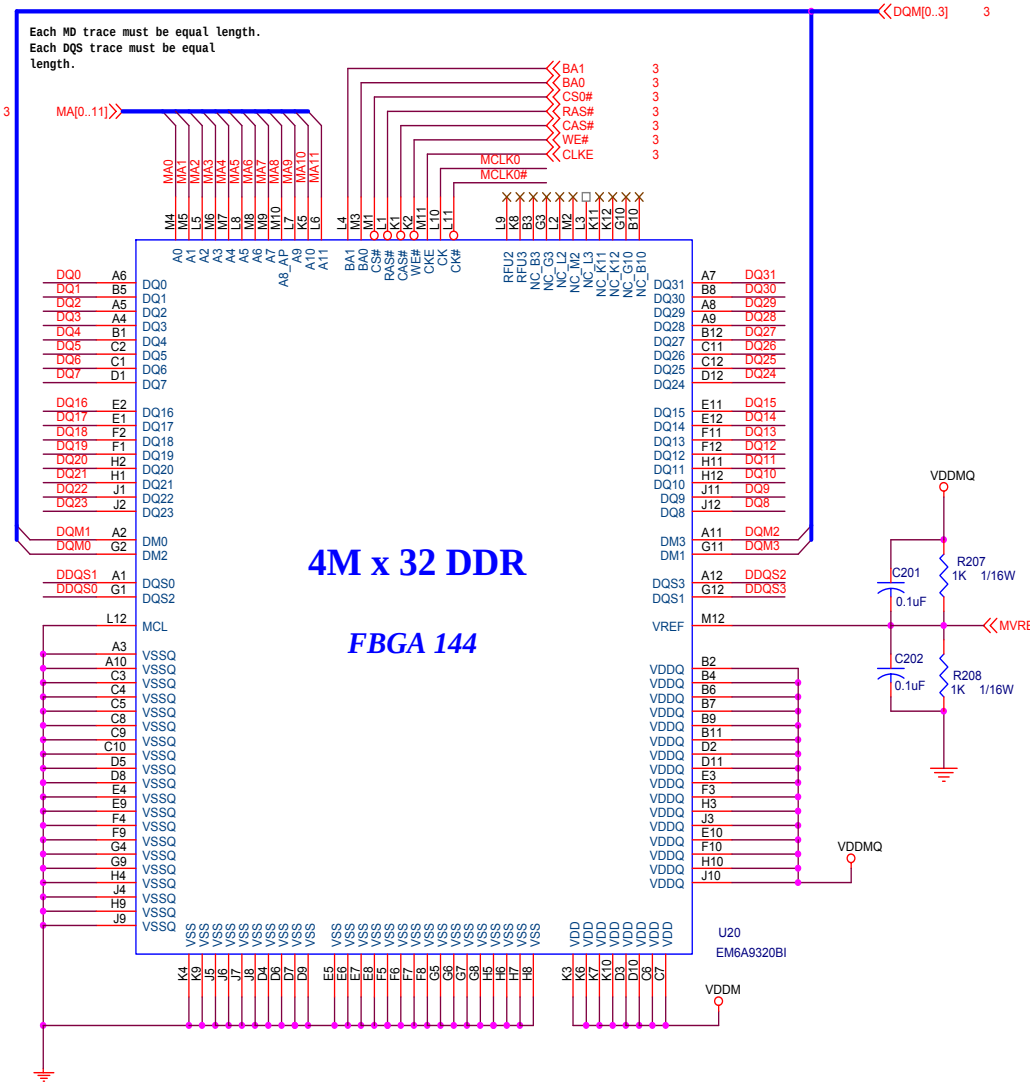


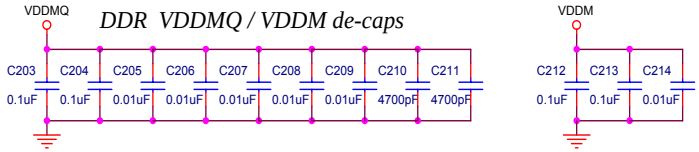
INPUT		OUTPUT			
MPUGPIO1	MPUGPIO0	MPUCS0N	*CS1N	MPUGPIO2	MPUGPIO3
0	0	0	1	1	1
0	1	1	0	1	1
1	0	1	1	0	1
1	1	1	1	1	0

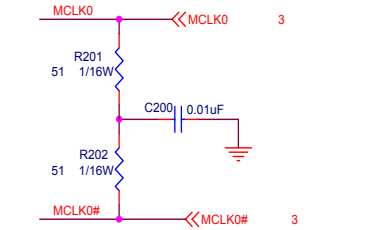

SVP-EX [256]
(2 of 2)
56T126-10
SVP-EX52_256
U21B
CN20 CONNECTOR for PANEL CMO-27"
Low color shift on = Vcc
CVBS_1 for TV
CVBS_2 for AV
OD_SEL for CMO 32"
50 Hz = High
60 Hz = Low May.05
14.318MHz
X20
AOC (Top Victory) Electronics Co., Ltd.
Title
SVP-EX256_2
Size Custom
Document Number
715T1616-1
Rev 1
Date: Wednesday, January 04, 2006
Sheet 4 of 12

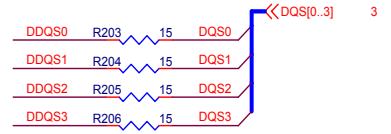
Test pads for DDR

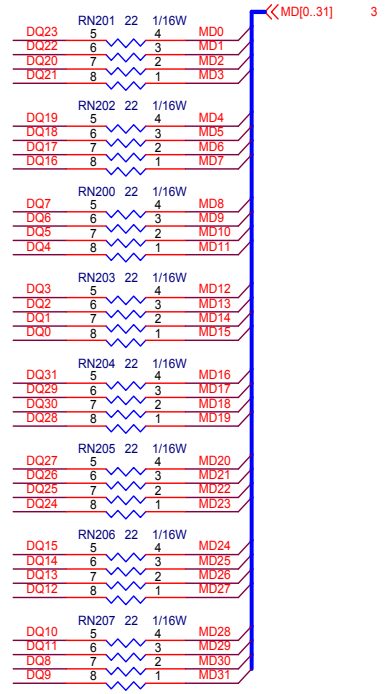






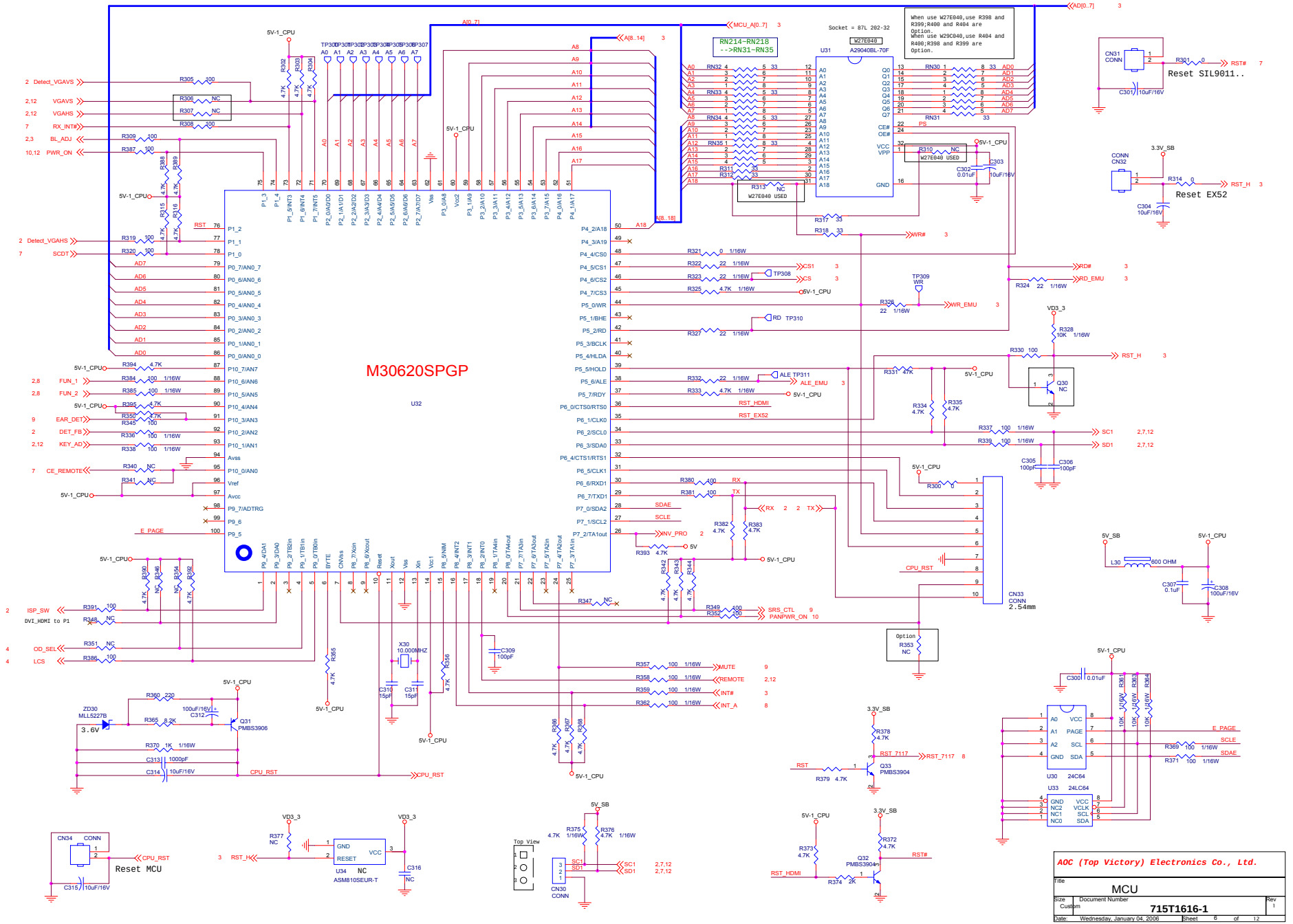


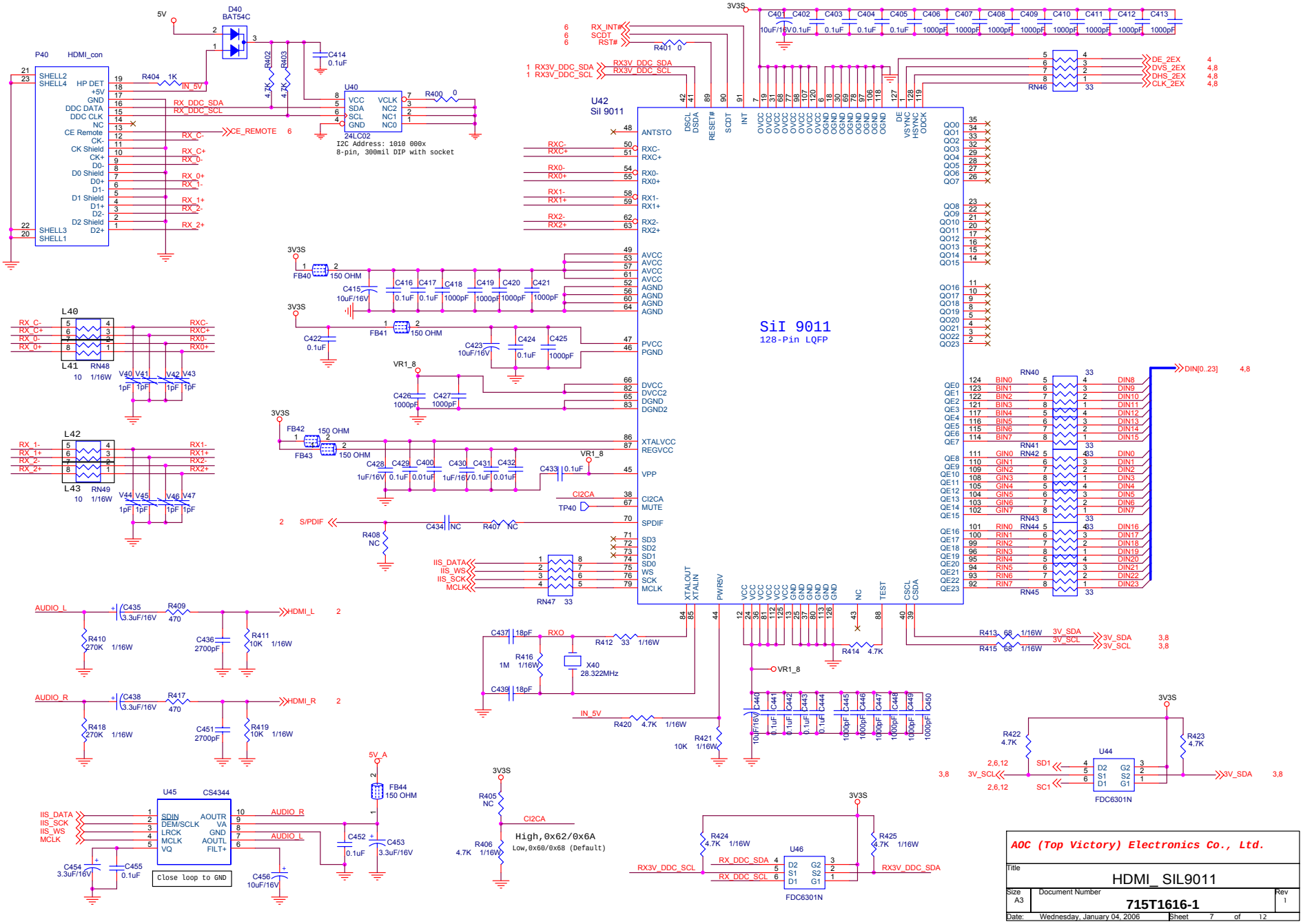


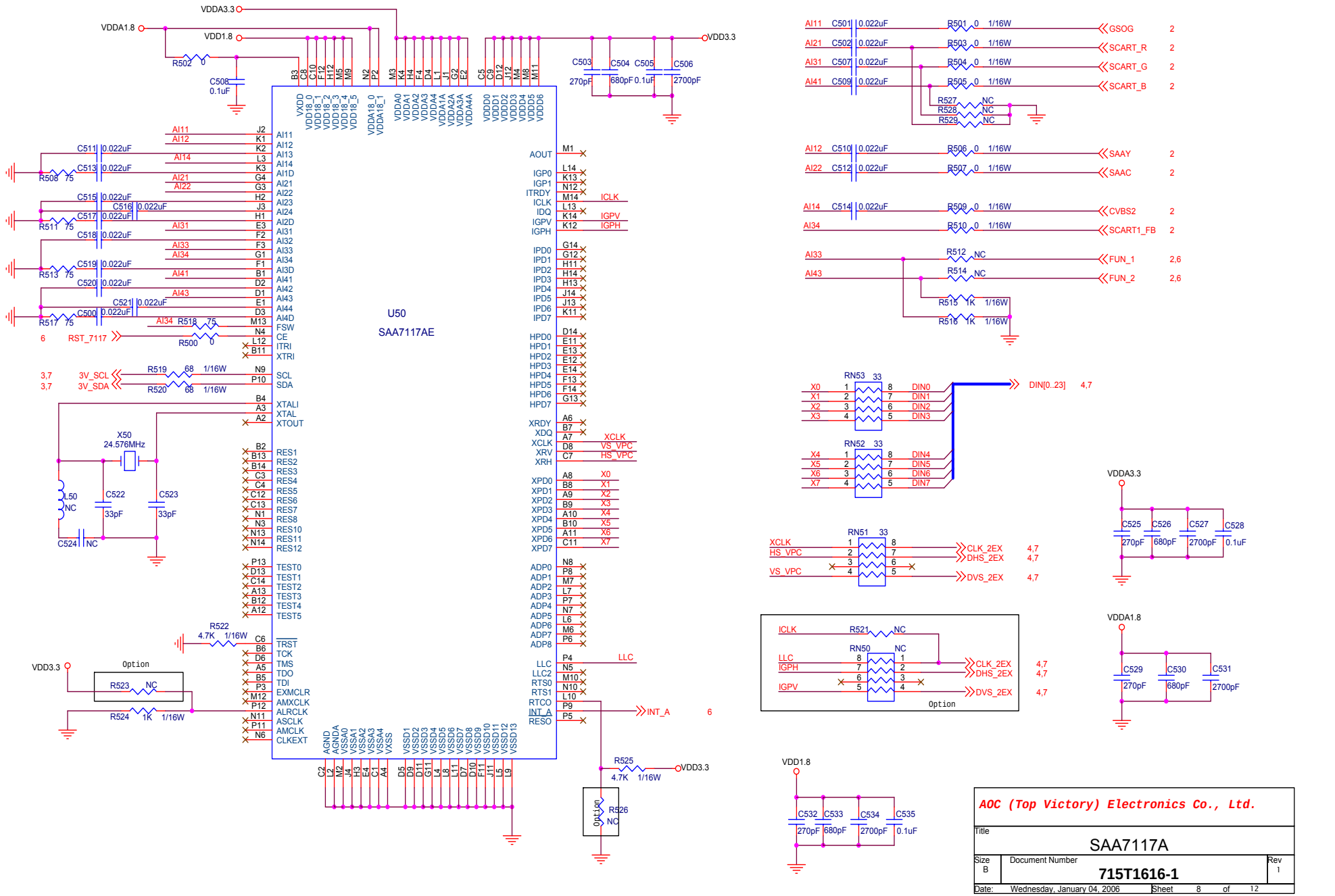


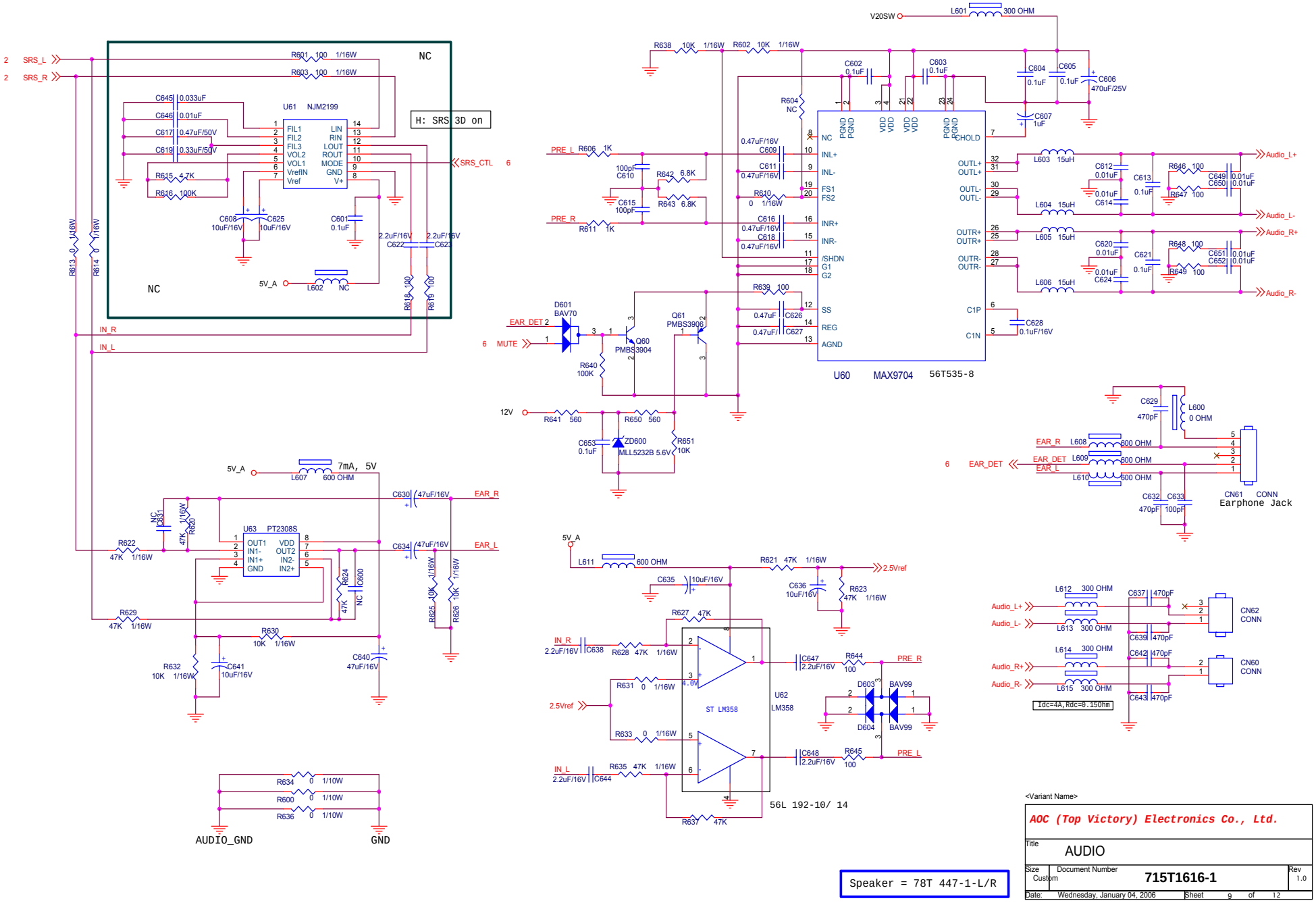
MEMORY DECOUPLING SCHEME

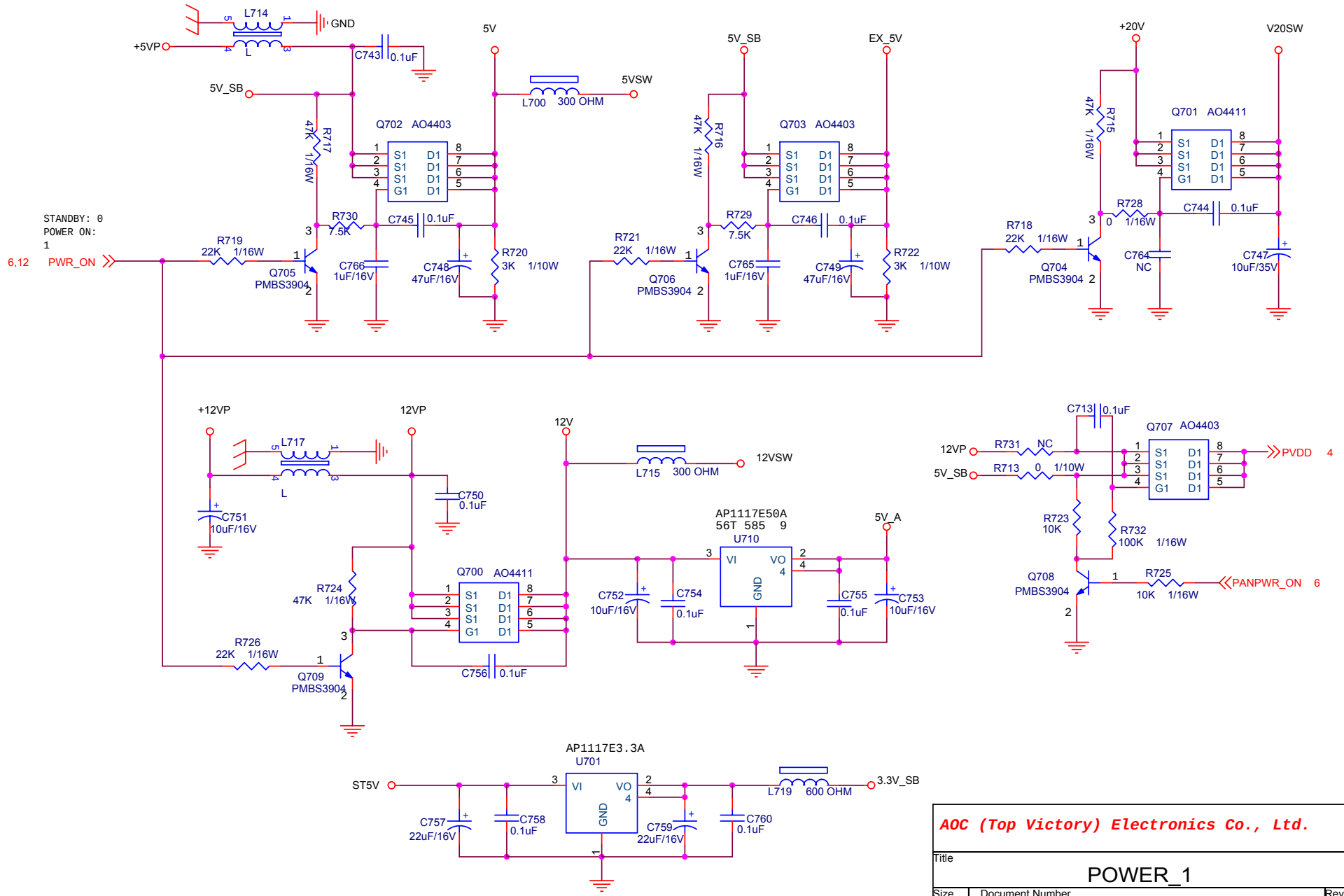
AOC (Top Victory) Electronics Co., Ltd.		
Title: SVP-EX_DDR		
Size: B	Document Number: 715T1616-1	Rev: 1
Date: Wednesday, January 04, 2006	Sheet 5 of 12	


M30620SPGP
U32
5V-1_CPU
3.3V_SB
5V_SB
VD3_3
Reset SIL9011..
Reset EX52
Reset MCU
RN214-RN218
-->RN31-RN35
When use W27E040,use R398 and R399;R400 and R404 are Option.
When use W29C040,use R404 and R400;R398 and R399 are Option.
CN33 CONN 2.54mm
AOC (Top Victory) Electronics Co., Ltd.
MCU
715T1616-1
Wednesday, January 04, 2006


SiI 9011
128-Pin LQFP
U42
Sil 9011
P40 HDMI_con
U40
24LC02
I2C Address: 1010 000x
8-pin, 300mil DIP with socket
U45 CS4344
Close loop to GND
U44
FDC6301N
U46
FDC6301N
High,0x62/0x6A
Low,0x60/0x68 (Default)
X40
28.322MHz
AOC (Top Victory) Electronics Co., Ltd.
Title
HDMI_ SIL9011
Size A3
Document Number
715T1616-1
Rev 1
Date: Wednesday, January 04, 2006
Sheet 7 of 12


U50
SAA7117AE
X50
24.576MHz
Option
AOC (Top Victory) Electronics Co., Ltd.
SAA7117A
715T1616-1
Date: Wednesday, January 04, 2006
Sheet 8 of 12


U61 NJM2199
H: SRS 3D on
NC
SRS_CTL
U60 MAX9704 56T535-8
U63 PT2308S
ST LM358
U62 LM358
56L 192-10/ 14
Speaker = 78T 447-1-L/R
AUDIO_GND
GND
CN61 CONN
Earphone Jack
CN62 CONN
CN60 CONN
Idc=4A,Rdc=0.150hm
AOC (Top Victory) Electronics Co., Ltd.
AUDIO
715T1616-1
Wednesday, January 04, 2006



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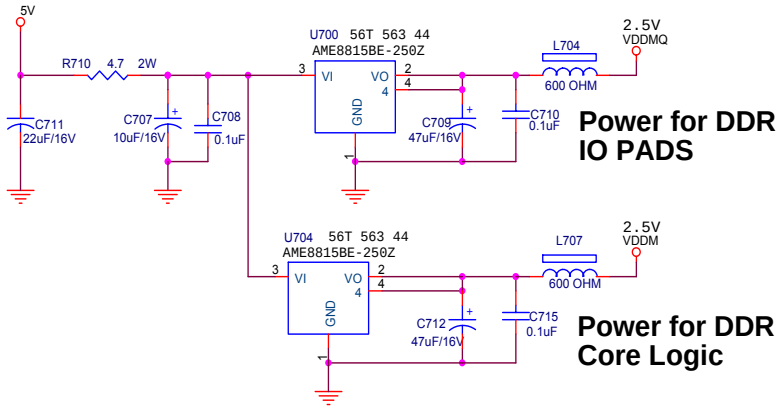
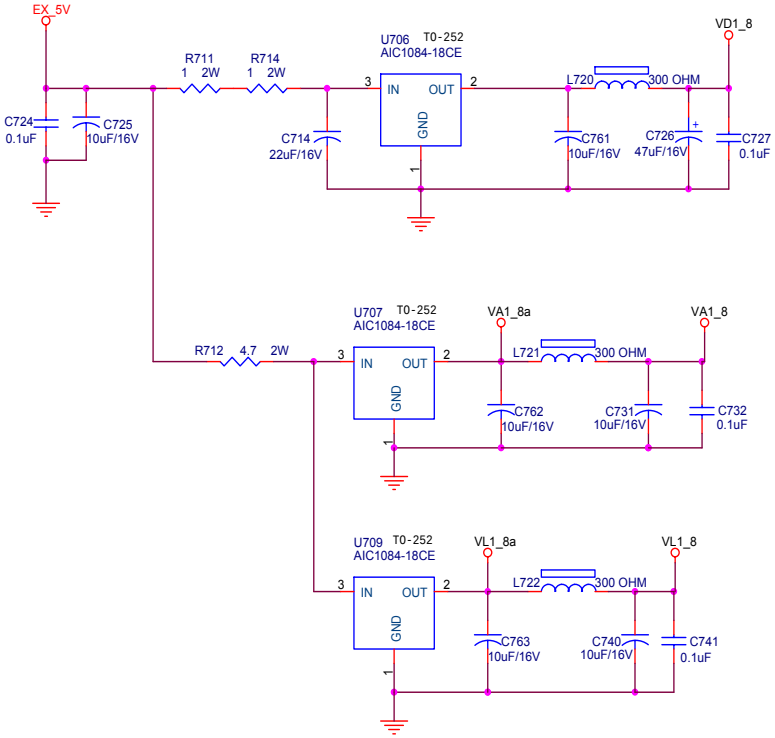
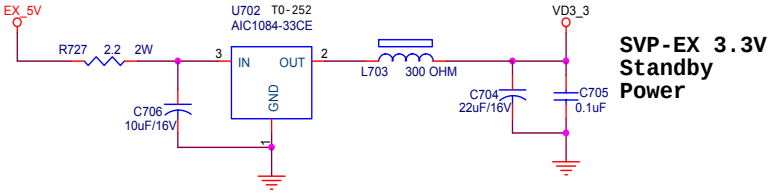
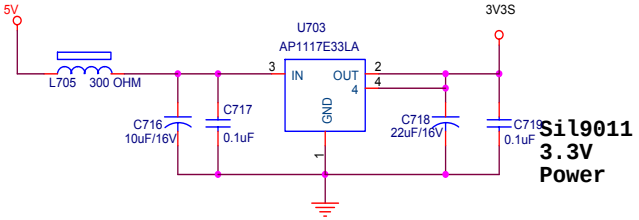
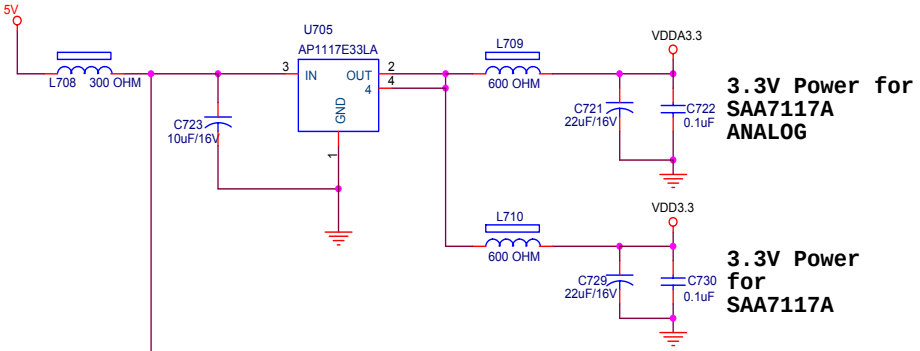
Size: A4	Document Number: 715T1616-1	Rev: 1
Date: Wednesday, January 04, 2006	Sheet 10 of 12	

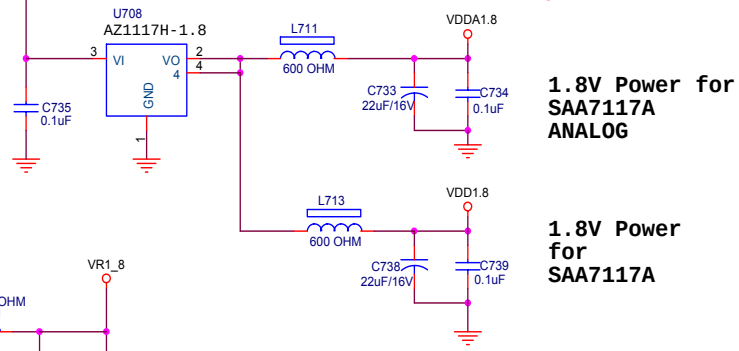


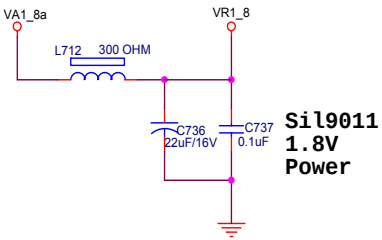












AOC (Top Victory) Electronics Co., Ltd.		
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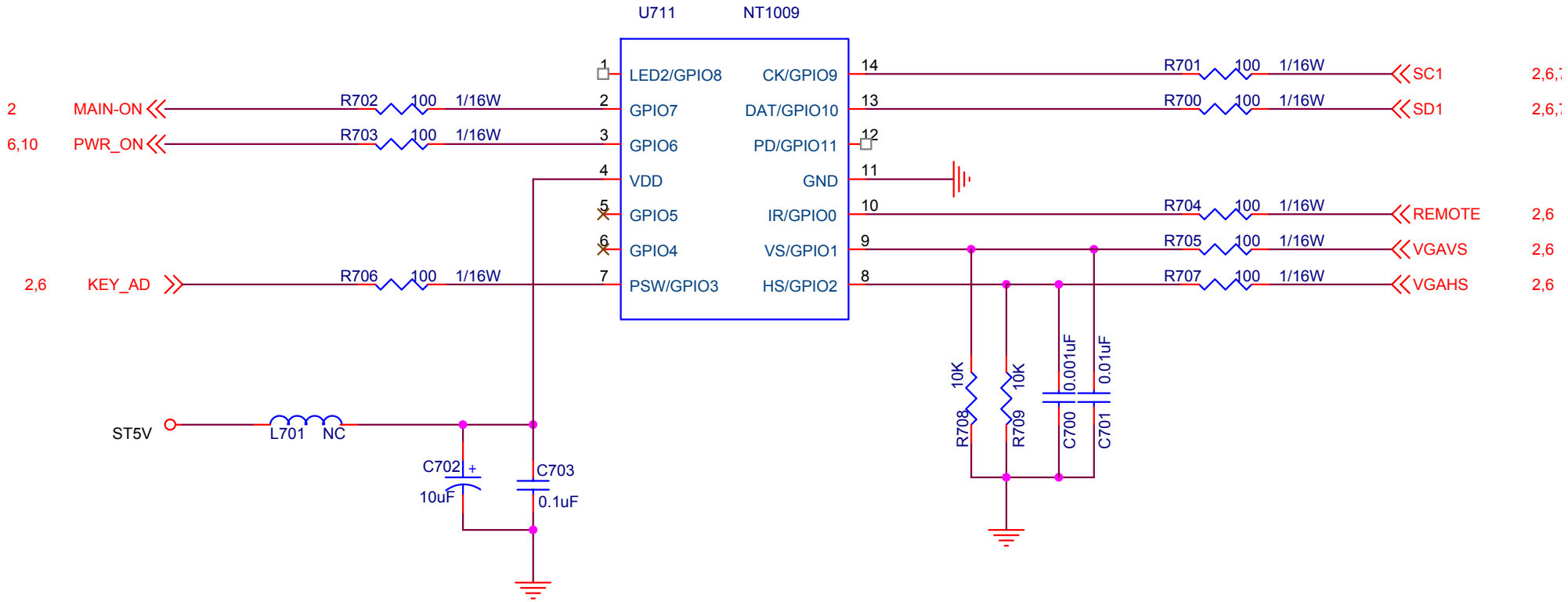
Size: B	Document Number: 715T1616-1	Rev: 1
Date: Wednesday, January 04, 2006	Sheet 11 of 12	

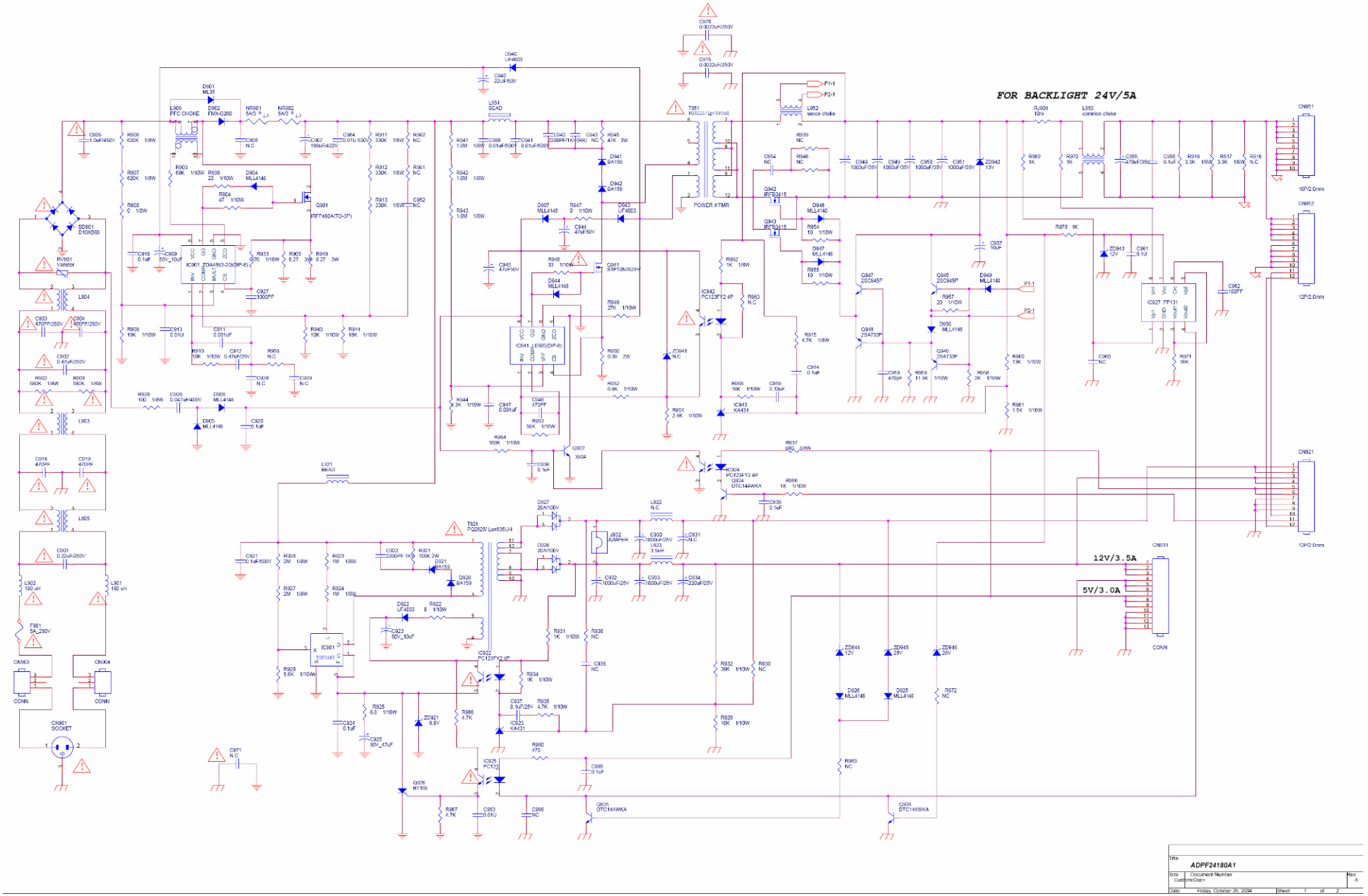
Option

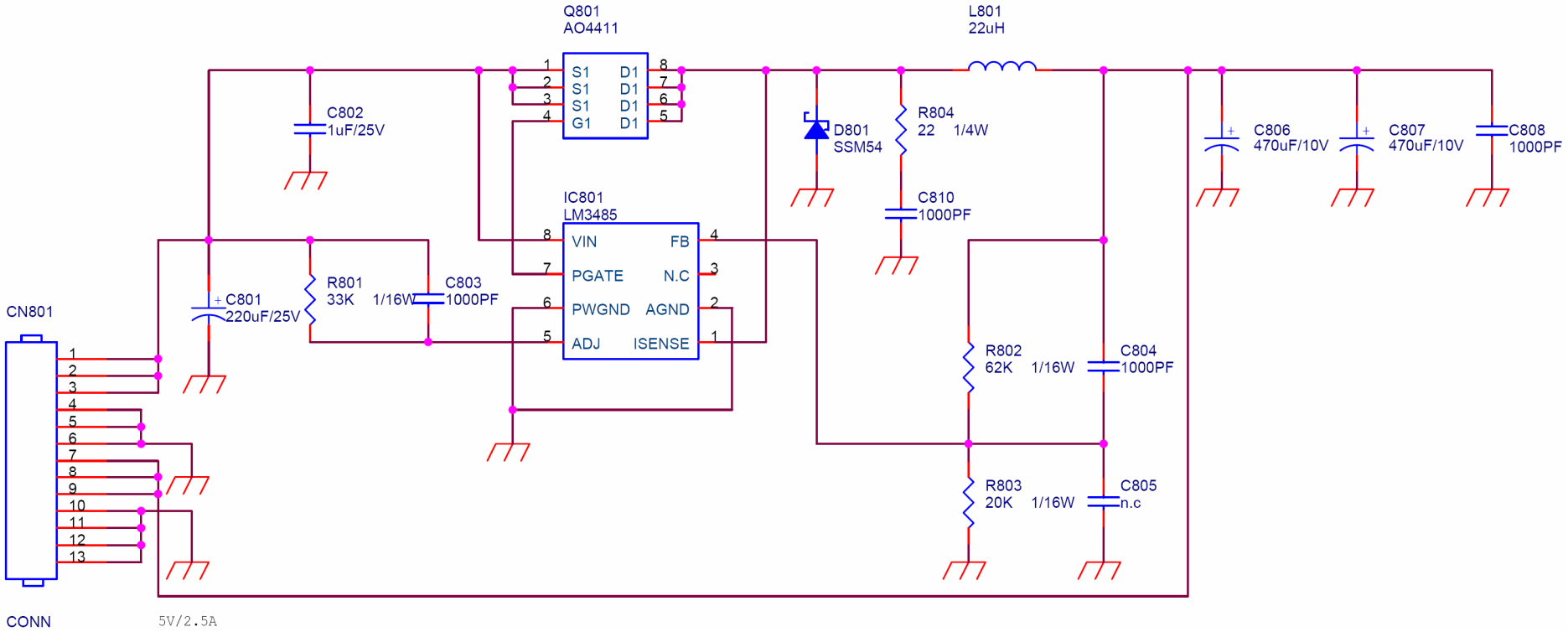


AOC (Top Victory) Electronics Co., Ltd.		
Title: ENERGY STAR		
Size: A	Document Number: 715T1616-1	Rev: 1.0
Date: Wednesday, January 04, 2006	Sheet 12 of 12	

11.2 Power Board

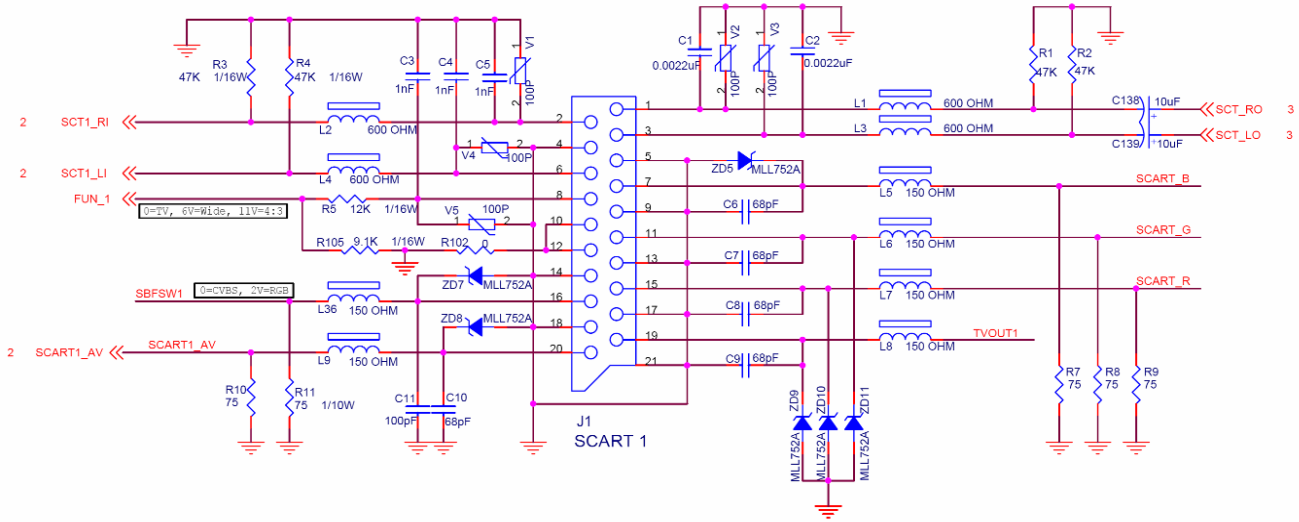
715T1180-3

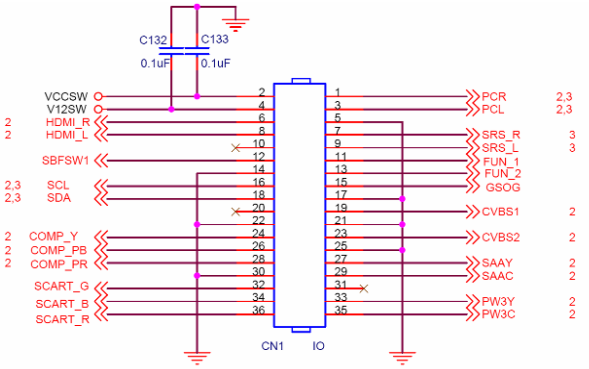


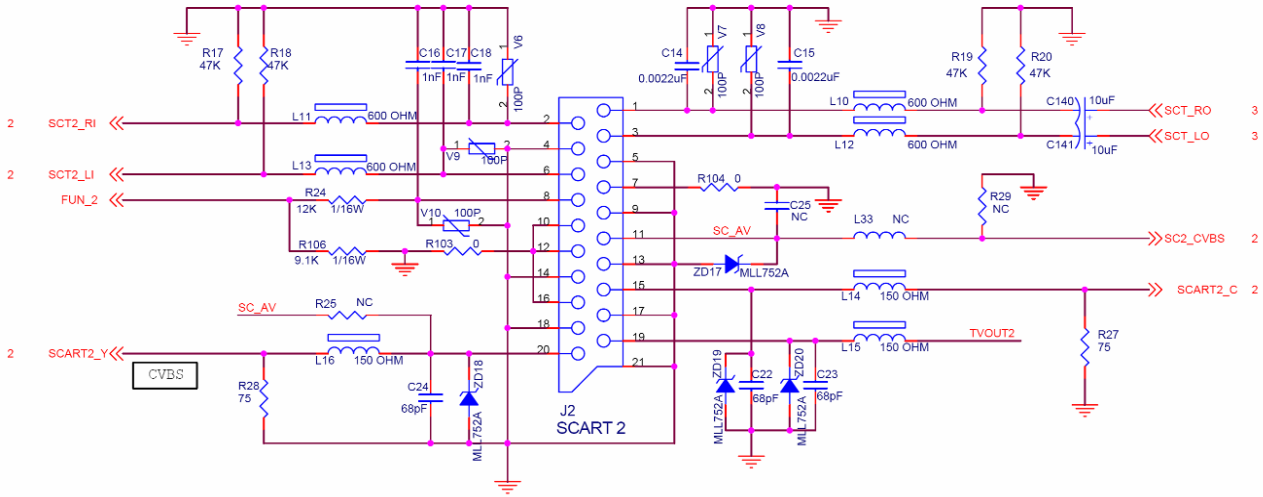

Q801
AO4411
S1
S1
S1
G1
D1
D1
D1
D1
L801
22uH
C802
1uF/25V
D801
SSM54
R804
22 1/4W
C806
470uF/10V
C807
470uF/10V
C808
1000PF
IC801
LM3485
VIN
PGATE
PWGND
ADJ
FB
N.C
AGND
ISENSE
C810
1000PF
CN801
C801
220uF/25V
R801
33K 1/16W
C803
1000PF
R802
62K 1/16W
C804
1000PF
R803
20K 1/16W
C805
n.c
CONN
5V/2.5A

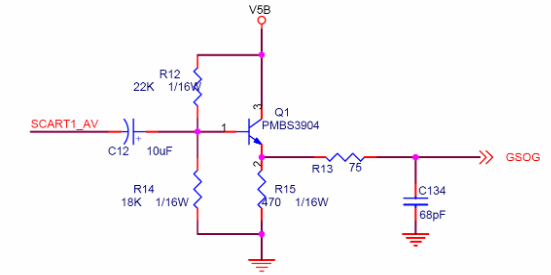
11.3 Tuner Board

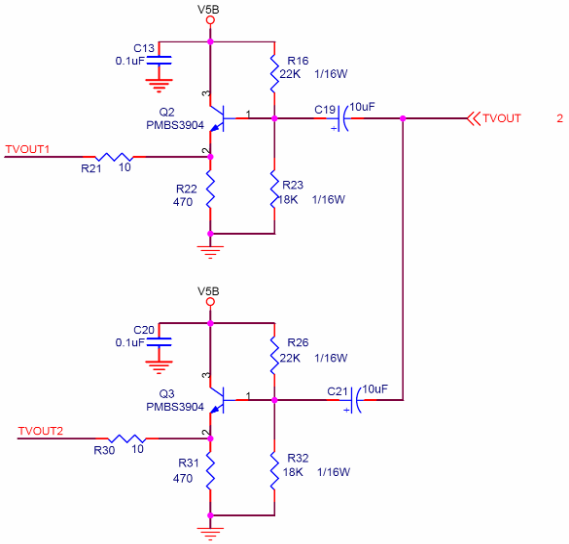
715T2170-1

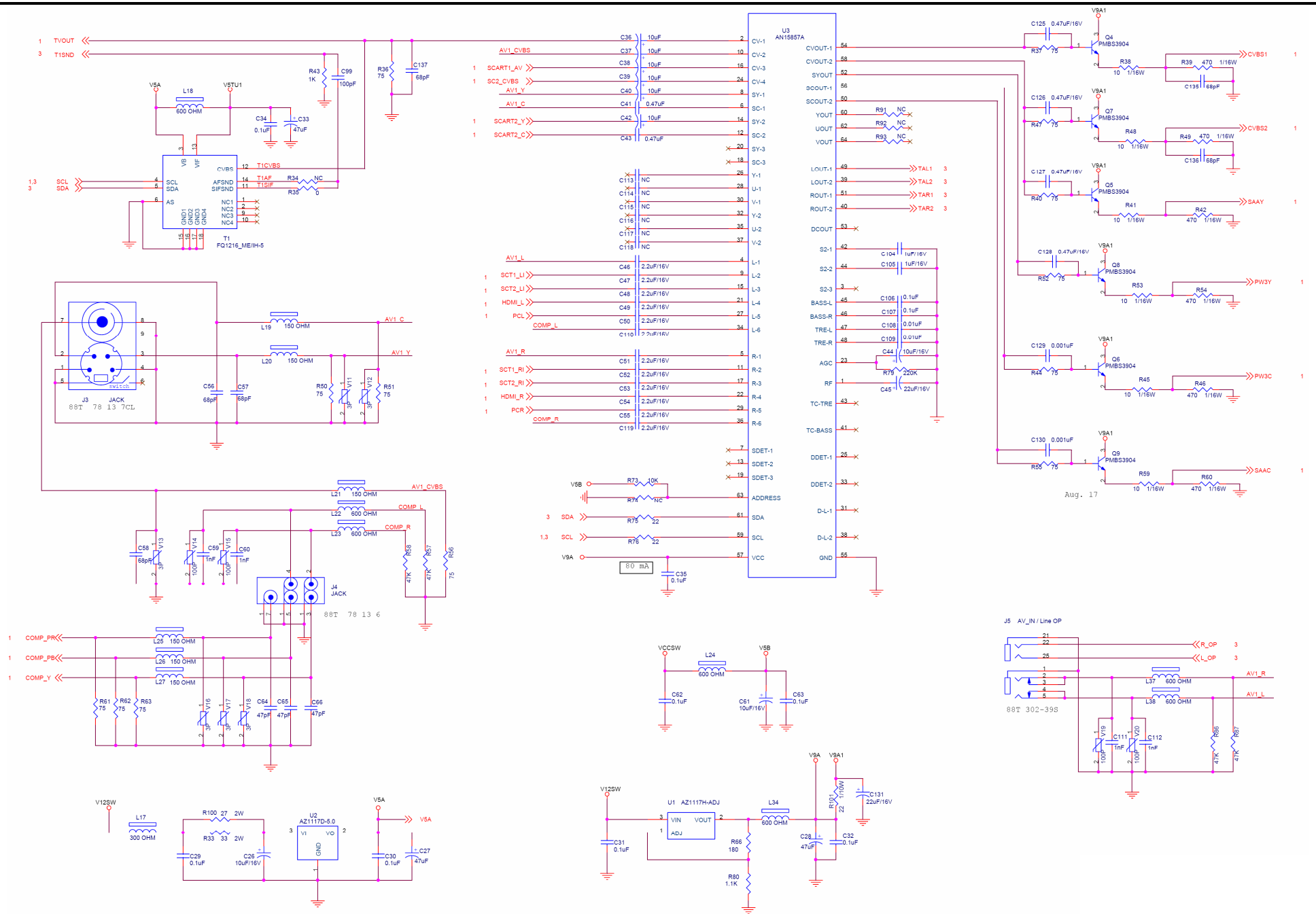


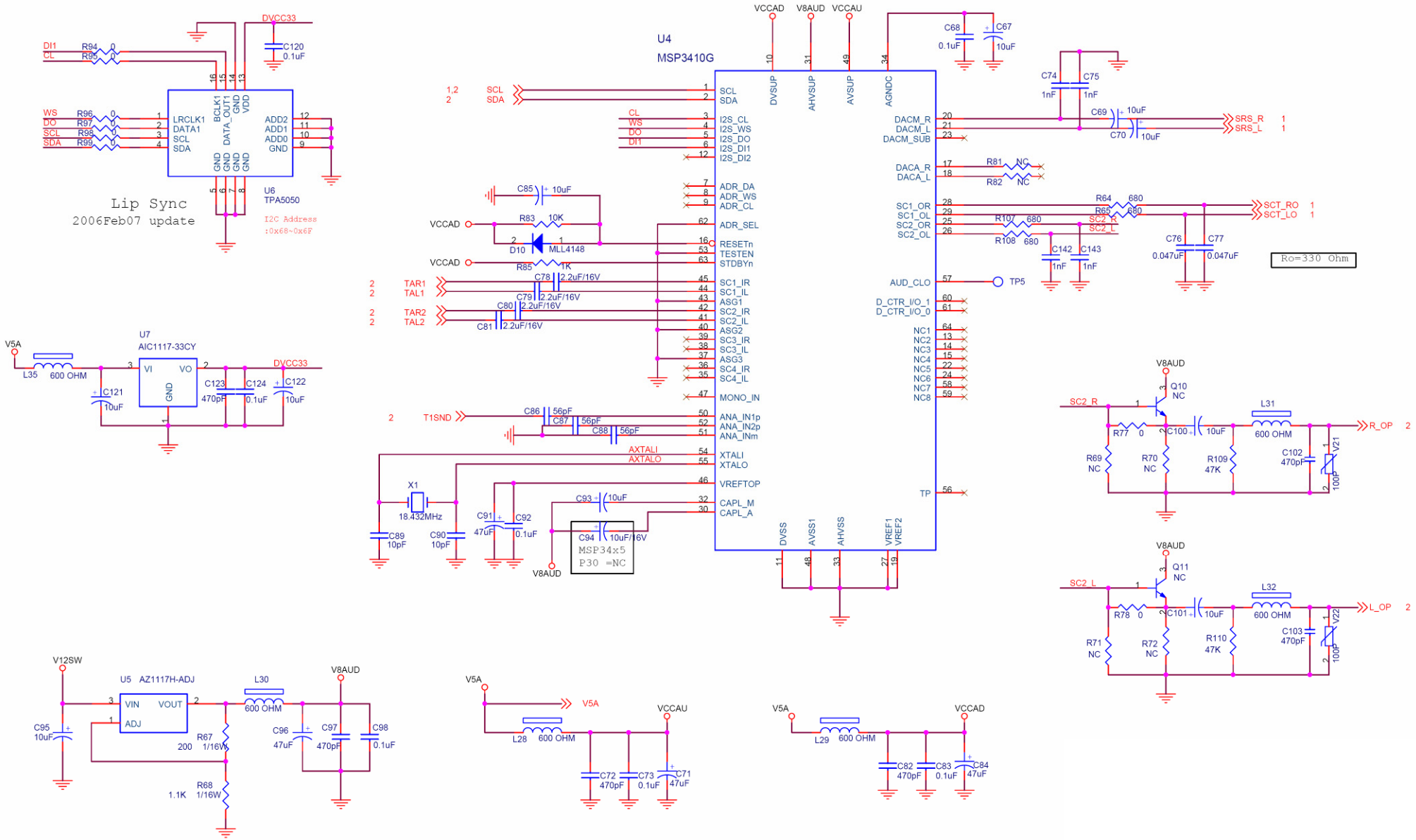









TVOUT
T1SND
V5A
V5TU1
L18
600 OHM
R43 1K
C99 100pF
R36 75
C137 68pF
C34 0.1uF
C33 47uF
SCL
SDA
T1CVBS
T1AF
T1SIF
R34 NC
R35 0
T1 FQ1216_ME/IH-5
U3 AN15887A
AV1_CVBS
SCART1_AV
SC2_CVBS
AV1_Y
AV1_C
SCART2_Y
SCART2_C
C36 10uF
C37 10uF
C38 10uF
C39 10uF
C40 10uF
C41 0.47uF
C42 10uF
C43 0.47uF
CV-1
CV-2
CV-3
CV-4
SY-1
SC-1
SY-2
SC-2
SY-3
SC-3
Y-1
U-1
V-1
Y-2
U-2
V-2
C113 NC
C114 NC
C115 NC
C116 NC
C117 NC
C118 NC
AV1_L
SCT1_LI
SCT2_LI
HDMI_L
PCL
COMP_L
C46 2.2uF/16V
C47 2.2uF/16V
C48 2.2uF/16V
C49 2.2uF/16V
C50 2.2uF/16V
L-1
L-2
L-3
L-4
L-5
L-6
AV1_R
SCT1_RI
SCT2_RI
HDMI_R
PCR
COMP_R
C51 2.2uF/16V
C52 2.2uF/16V
C53 2.2uF/16V
C54 2.2uF/16V
C55 2.2uF/16V
R-1
R-2
R-3
R-4
R-5
R-6
SDET-1
SDET-2
SDET-3
ADDRESS
SDA
SCL
VCC
R73 10K
R74 NC
R75 22
R76 22
80 mA
C35 0.1uF
CVOUT-1
CVOUT-2
SYOUT
SCOUT-1
SCOUT-2
YOUT
UOUT
VOUT
LOUT-1
LOUT-2
ROUT-1
ROUT-2
DCOUT
S2-1
S2-2
S2-3
BASS-L
BASS-R
TRE-L
TRE-R
AGC
RF
TC-TRE
TC-BASS
DDET-1
DDET-2
D-L-1
D-L-2
GND
R91 NC
R92 NC
R93 NC
TAL1
TAL2
TAR1
TAR2
C104 1uF/16V
C105 1uF/16V
C106 0.1uF
C107 0.1uF
C108 0.01uF
C109 0.01uF
C44 10uF/16V
R75 220K
C45 22uF/16V
V9A1
Q4 PMBS3904
Q7 PMBS3904
Q5 PMBS3904
Q8 PMBS3904
Q6 PMBS3904
Q9 PMBS3904
C125 0.47uF/16V
C126 0.47uF/16V
C127 0.47uF/16V
C129 0.47uF/16V
C129 0.001uF
C130 0.001uF
R37 75
R47 75
R40 75
R52 75
R44 75
R55 75
R38 10 1/16W
R48 10 1/16W
R41 10 1/16W
R53 10 1/16W
R45 10 1/16W
R59 10 1/16W
R39 470 1/16W
R49 470 1/16W
R42 470 1/16W
R54 470 1/16W
R46 470 1/16W
R60 470 1/16W
C135 68pF
C136 68pF
CVBS1
CVBS2
SAAY
PW3Y
PW3C
SAAC
Aug. 17
J3 JACK
88T 78 13 7CL
switch
L19 150 OHM
L20 150 OHM
AV1_C
AV1_Y
C56 68pF
C57 68pF
R50 75
R51 75
V11
V12
L21 150 OHM
L22 600 OHM
L23 600 OHM
AV1_CVBS
COMP_L
COMP_R
C58 68pF
C59 1nF
C60 1nF
V13
V14
V15
R56
R57
R58
47K
J4 JACK
88T 78 13 6
COMP_PR
COMP_PB
COMP_Y
L25 150 OHM
L26 150 OHM
L27 150 OHM
R61 75
R62 75
R63 75
V16
V17
V18
C64 47pF
C65 47pF
C66 47pF
VCCSW
L24
600 OHM
C62 0.1uF
C61 10uF/16V
C63 0.1uF
V12SW
L17
300 OHM
R100 27 2W
R33 33 2W
C29 0.1uF
C26 10uF/16V
U2 AZ1117D-5.0
VI
VO
GND
C30 0.1uF
C27 47uF
U1 AZ1117H-ADJ
VIN
VOUT
ADJ
L34
600 OHM
R66 180
R80 1.1K
R101 22 1/10W
C28 47uF
C32 0.1uF
C131 22uF/16V
J5 AV_IN / Line OP
R_OP
L_OP
88T 302-39S
L37 600 OHM
L38 600 OHM
C111 1nF
C112 1nF
V19
V20
R65
R67


U4
MSP3410G
U6
TPA5050
Lip Sync
2006Feb07 update
I2C Address
:0x68~0x6F
U7
AIC1117-33CY
U5 AZ1117H-ADJ
MSP34x5
P30 =NC
Ro=330 Ohm

11.4 Key Board

715T1623-1