

SERVICE MANUAL

LCD TV MONITOR W2306C



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Revision List

Version	Release Date	Revision Instructions	TPV Model
A00	Sep-15-2005	Initial Release	EDF5GGNKDEDMJMP
			EDF5SGNKDEDBJMP
A01	Oct-24-2005	Second Version (Remark: Add the <Item 2> Operation Instructions and <Item 8> Repair Flow Chart)	
A02	April-25-2006	Add "Max Brightness measurement" on Page 33	

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1. General Specifications

Items		Specification		
LCD Panel	Screen Size	23" TFT LCD color Panel (LPL)		
	Image Aspect Ratio	Wide Screen (16:9)		
	Resolution	1360 x 768@60HZ		
	Active Display Area(H×V)	508.13mm × 285.70mm		
	Pixel Pitch	0.372mm × 0.372mm		
	Display colors	16.7 million		
	Contrast Ratio	550:1 (Typical)		
	Brightness	450 cd / m ² (Typical)		
	Viewing Angle	170° (Horizontal) / 170° (Vertical)		
	Response Time	16 ms (Typical)		
	Lamp Lifetime	50,000 hr		
	Color Temperature	Cool / Warm		
TV Function	TV Tuning System	USA: NTSC		
	Inputs	Video	Composite(CVBS)/S-Video	One(side)
			Component	Two(bottom)
			TV in(coaxial)	One(bottom)
			Audio(L+R)	Four pairs
			DVI (For use with a video device)	One(bottom)
	Computer	VGA (For use as computer monitor)	One(bottom)	
		DVI (For use as computer monitor)	One(bottom)	
		Audio (PC)	One (bottom)	
	Outputs	Video	Composite(CVBS)	One(bottom)
Audio(L+R)			One pair	
Headphone			One(side)	
PC Input	Signal Input	Analog: D-Sub 15 pin (detachable cable)		
		Digital: DVI-D 24 pin (detachable cable)		
	PnP compatibility	DDC2B		
	Input frequency	Analog: FH: 31 kHz to 64 KHz; FV: 56 Hz to 75 Hz		
Input Audio F	Headphone Mini-jack for stereo			
Audio Output	Audio Output: L / R	Speaker (built-in): Two 7(max) watt speakers		
		Headphone Mini-stereo jack (at side)		
		Effects: SRS TruSurround XT; Midnight Mode		
Other Function	V-chip, closed caption (only for USA model)			
OSD language	English/Spanish/French			
Table Stand	Included			
Wall Mount	VESA spec FDMI – 100 mm X 200mm hole spacing required			
Power	Power Supply	AC 100V~240V, 50 ± 3Hz, 60 ± 3Hz		
	Power Consumption	<120 W		
Panel Tilt/ Swivel	Tilt, Swivel	-5 /+20 degrees, +/- 45 degrees.		
Environment	Operating	Temperature: +0°C ~ + 40°C		
		Humidity: 10% ~ 85%		
	Storage	Temperature: -10°C ~ + 50°C		
		Humidity: 5% ~ 85%		
Weight (with stand)	10 Kg			
Accessories	Remote Control, AAA Batteries (2), Power Cord, Composite Video Cable, Audio Cable, Coaxial Cable, Documentation: Setup Guide, Product Information Guide, Owner's Manual.			

2. Operation Instructions

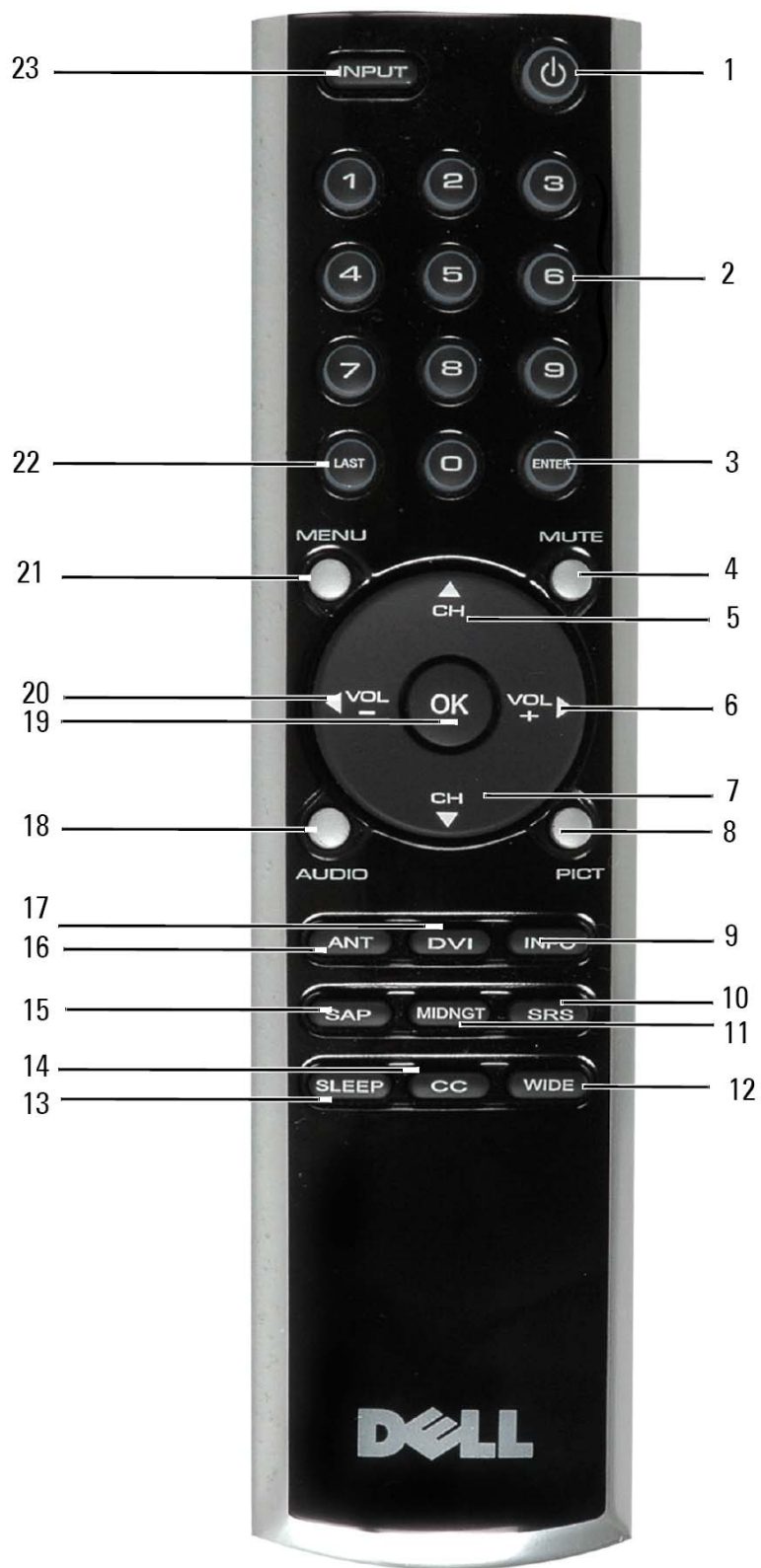
2.1 The Use Of Remote Control

Installing batteries

Before you use your remote control, install two-AAA batteries.

1. Slide open the battery cover.
2. Install the batteries, make sure that you match the + and – on the batteries with + and – symbols in the battery compartment.
3. Replace the battery cover.





1	Power Button	Turns the LCD TV display on and off
2	Number Button	Press to select a channel
3	Enter	Select a TV menu option, confirm a channel selection
4	Mute	Press to turn the sound on and off
5	CH (up icon)	Push to view the next channel
		In the TV menu, use the channel button to navigate through the menus in the TV menu
6	Vol +	Increase the volume
		In the TV menu, use the volume button to navigate through the menus
7	CH (down icon)	Push to view the previous channel
		In the TV menu, use the channel button to navigate through the menus in the TV menu
8	Pict	Cycles through the preset options for the picture menu
9	INFO	Display information about your TV display (for example, in TV mode displays the channel you are watching)
10	SRS	Toggle SRS surround on and off
11	Midnight	Toggle midnight on and off
12	Wide	Cycles through the size (aspect ratio) options from the picture menu
13	Sleep	Turns on the sleep timer
14	CC	Cycles through the Closed Caption menu
15	SAP	Turns on the Second Audio Program (SAP)
16	ANT	Selects TV tuner as input source
17	DVI	Selects DVI as input source
18	Audio	Cycles through the preset Audio options
19	OK	Select an TV menu option, confirms a channel selection
20	Vol -	Decrease the volume
		In the TV menu, use the volume button to navigate through the menus
21	Menu	Enters and exit the TV Menu main menu
22	Last	Returns you to the previously viewed channel
23	Input	Enters and exits the TV Input Select menu

2.2 Front Panel Control Knobs








Front View



1.	IR receiver	Senses the signal
2.	Power indicator (LED)	The light is blue when the LCD TV is on and amber when the LCD TV display is in power save mode.

Right Side View



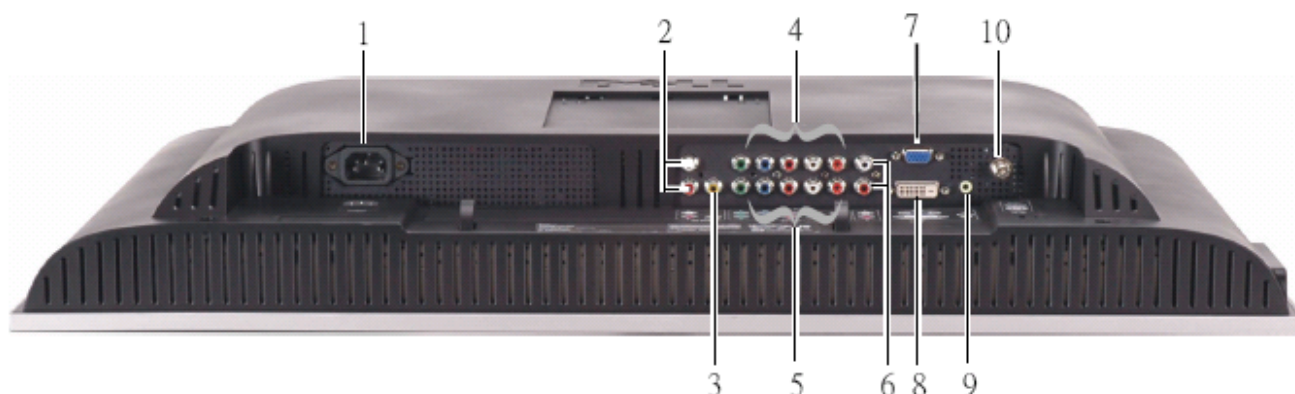
1.	 Power button	Push to turn the LCD TV display on and off, the power button is blue when it is on and amber when it is in power saving mode
2.	 TV menu button	Push to enable the TV menu
3.	 Volume button	Push to decrease the volume
4.	 Volume button	Push to increase the volume
5.	 Channel button	Push to select the previous channel or navigate through the TV menu
6.	 Channel button	Push to select the next channel or navigate through the TV menu
7.	 Input select button	Push to display the input select menu

Left Side View



1.	AV Side (S-Video 1)	Connect devices such as a video game system or a VCR.
2.	AV Side (Composite 1)	Connect devices such as a VCR or DVD player
3.	Composite audio connector	Use the audio connector if you have connected a device to connector
4.	Headphone connect	Connect headphones

Bottom View

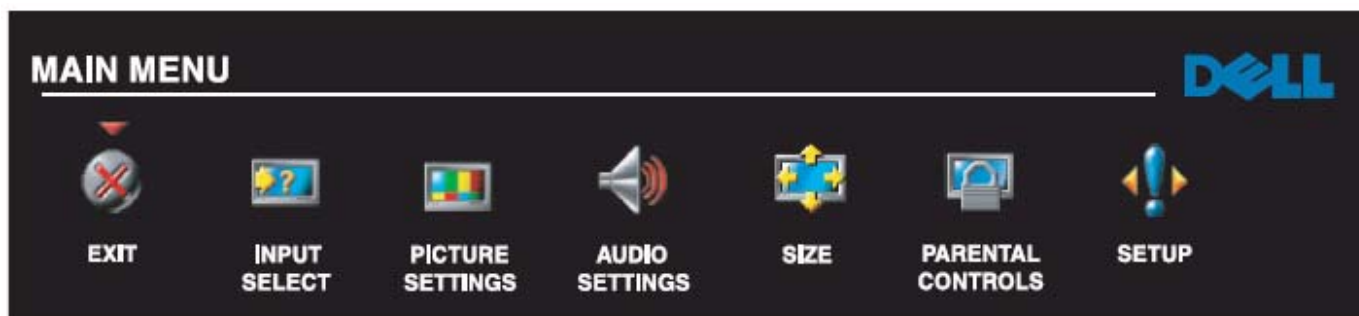


1.	Power Connector	Connect your power cord
2.	Composite out/audio out (L/R)	Connect a VCR
3.	Composite out/video out	Connect a VCR
4.	Composite video and audio connectors (AV1)	Connect devices such as a DVD player or cable TV box.
5.	Composite video and audio connectors (AV2)	Connect devices such as a DVD player or cable TV box.
6.	DVI audio connector (L/R)	Use the DVI audio connector if you have connected a device such as a DVD player to the DVI connector.
7.	VGA	Connect your computer
8.	DVI connector	Connect your computer or video devices such as a DVD player
9.	Audio connector for VGA or DVI	Connect the audio cable from your computer to the LCD TV display.
10.	ANT/Cable	Connect cable TV box or an antenna.

2.3 OSD Operating

Using Remote Control With the TV Menu

1. To enter the TV menu, press the menu button. Seven icons appear along the bottom of the screen.



2. Move the left and right buttons (volume buttons) to move between the icons. The icon appears highlighted as you move through the menu.
3. To select an option, push the OK button when the icon is highlighted.
4. A new menu appears for that selected option, use the up and down buttons (channel buttons) to move through the various setting.

Note: A red arrow appears next to the setting as you navigate through the options. A check mark appears next to the option that you have selected.

5. Use the left and right buttons (volume buttons) and the OK button to adjust or select setting.

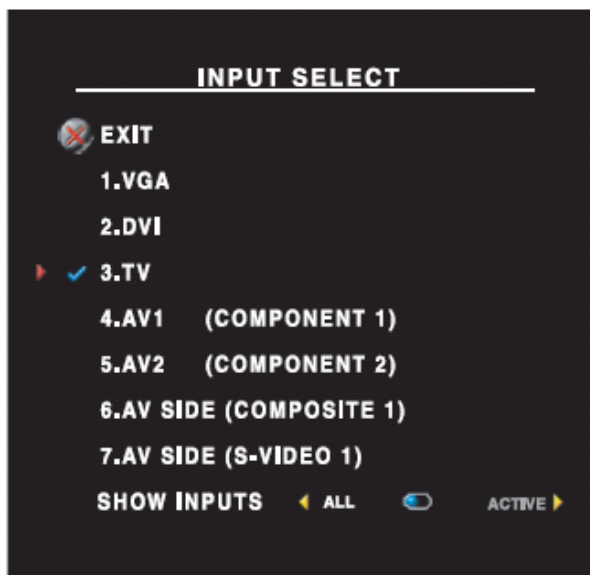
Note: You can select EXIT at any time to return to the main menu.

6. After you have made your selections, select Exit to return to the main menu.
7. To exit the TV menu, select the EXIT icon and press OK.

Selecting your TV Menu Language

1. Press menu to enter the TV menu.
2. Select Setup.
3. In the Setup menu, select language and select the language that you want the TV menu to appear in.

Input Select TV Menu



The Input Select menu allows you to select the proper source based on how you have your LCD TV display and video equipment connected. Press Input on the remote to go directly to the Input Select menu. You can also press menu and select Input select from the main menu.

VGA – Select when your LCD TV display is being used as a computer monitor and you have connected the computer using a VGA cable.

DVI – Select when your LCD TV display is being used as a computer monitor and you have connected the computer or when you have connected a device, such as a DVD player using the DVI cable.

TV – Select when you have your antenna or cable TV box connected to the ANT/Cable connect.

AV1(Component 1) – Select when you have a video device, such as a DVD player, connected to the component connector.

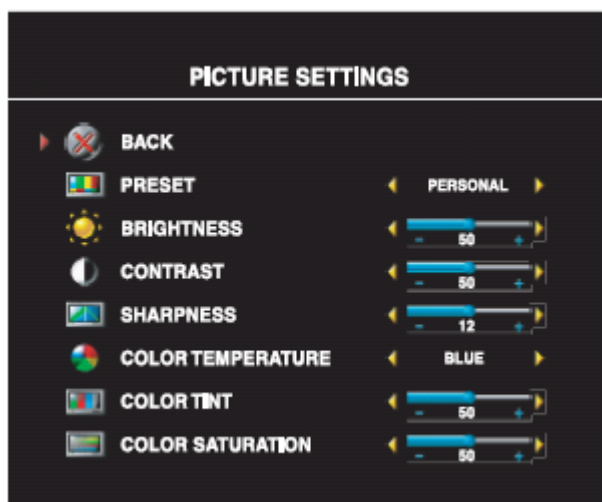
AV2(Component 2) – Select when you have a video device, such as a DVD player, connected to the component connector.

AV SIDE (Component 1) – Select when you have a video device, such as a video game system, connected to the composite connector on the side of the LCD TV display.

AV SIDE (S-Video 1) – Select when you have a video device, such as a VCR, connected to the S-Video connector on the side of the LCD TV display.

SHOW INPUTS – Show Inputs allows you to select active or all. Active searches for which connectors are being used. The available input sources appear in white and input sources that are not available appear in grey. All shows all the input sources and allows you to select all the input sources even if you do not have a device connected.

Picture TV Menu



The picture menu allows you to adjust the appearance of the image including color and brightness. If you select one of the following preset image setting the individual setting are automatically updated.

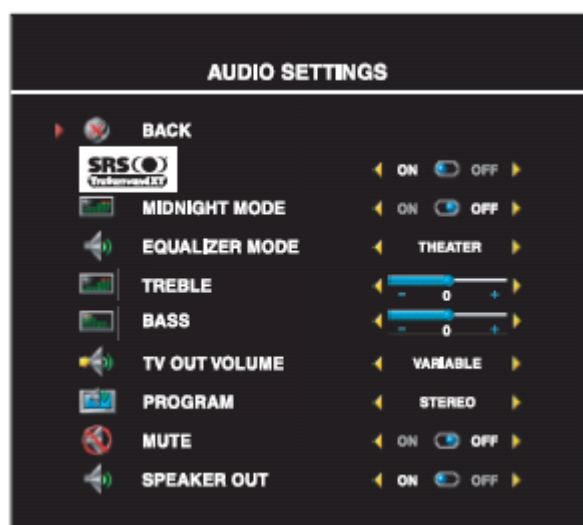
- Movies
- Sports
- Weak Signal
- Multimedia

If you select personal, you can adjust the individual setting, such as brightness and color.

The color temperature presets are: Natural: 6500K

Normal: The native panel temperature: Blue: 9300K Red: 5700K

Audio



The audio menu allows you to set the audio to best fit the type of show you are watching.

SRS Trusurround XT – Delivers virtual surround sound over two speakers from any source, which creates a wider sound with deep rich bass.

MIDNIGHT MODE – Evens out the large volume variations between voice and action scenes. If you select one of the following preset Equalizer Mode settings, the individual audio levels are automatically updated:

- Music
- Theater
- Voice

If you select Personal, you can adjust the individual audio levels, such as Bass and Treble.

Use Program toe select Stereo, Mono, or SAP (Second Audio Program)

Size

Size allows you to adjust the appearance of the image. Use Horizontal shift to adjust the horizontal placement of the image.



Use the following setting to adjust the aspect ratio:

STANDARD – Best selection for viewing digital HDTV, 16:9 or 22:9 DVD movies.

ZOOM – Best selection for viewing TV VCR or 4:3 DVD movie.

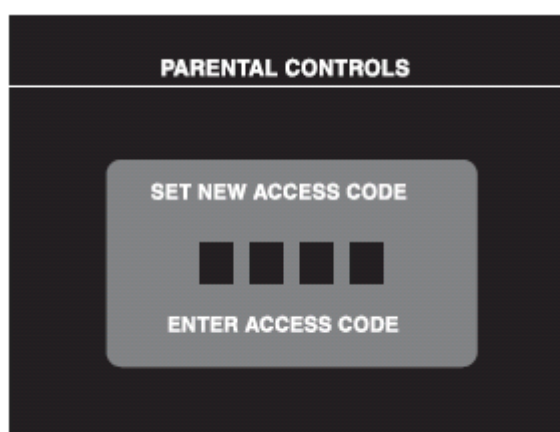
4:3 – Best selection for viewing digital HDTV, VCR or 4:3 DVD movies.

WIDE – Best selection for viewing digital HDTV, 16:9 or 22:9 DVD movies.

FULL SCREEN – Best selection for viewing digital HDTV, or 16:9 DVD movies.

Parental Control

Parental Control allows you to block certain channels or programs to child cannot view programs that are not age appropriate.



To enter the Parental Control menu, you need an access code. The first time you enter access code 3355. You can set the following options to block content:

- Channel Lock – Block selected channels
- Movie Rating – Block movie based on their rating (G, PG, PG-13, R, NC-17, and X)
- TV Rating – Block TV shows based on their rating.
- Block Options – Turns on or off all your parental control setting.

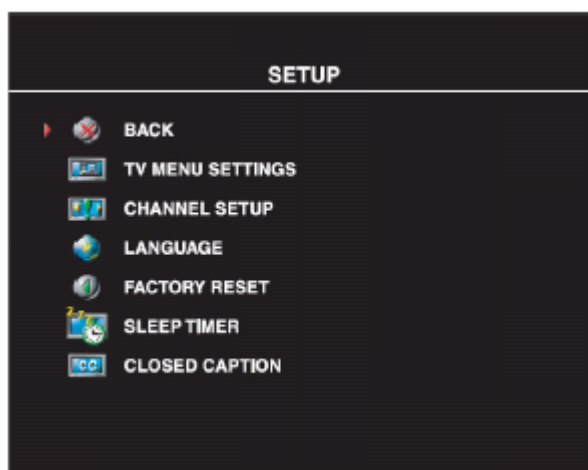
NOTE: You can use clear all to unblock the channels and programs that you have set.

Setting an access Code

After you enter the parental Control menu for the first time, you can set your own four-digit access code. If for any reason you lose or forget your access code, you can use the default code.

1. In the parental control menu, select change code.
2. Using the number pad on the remote control, enter a new access code.
3. Select Exit.

TV Menu Setup



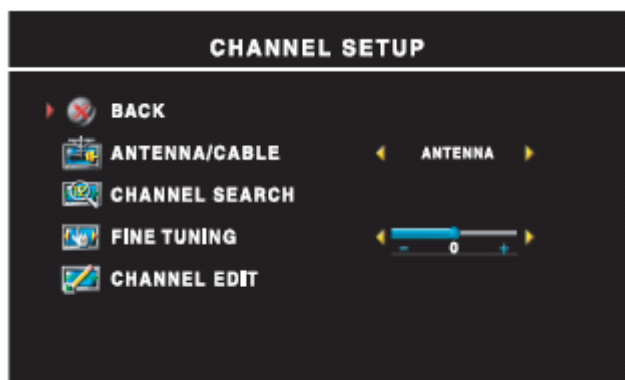
TV Menu Setup allows you to adjust the appearance of the TV menu, to change the language of the TV menu and to restore factory setting.

Use the TV menu setting menu you can select TV Button lock to lock the TV menu and the side panel buttons, when this option is enabled, only the power button functions. To unlock the TV menu and side panel buttons:

1. Press the menu button on the TV. A message appears stating that the TV is locked.
2. While the message is on the TV, press the channel up and volume increase button simultaneously.

Setting you cable channel

Your TV is set to automatically detect whether you are using an antenna or cable and then set the available channels, some cable providers use an older cable standard that the TV can not automatically detect. If you have your TV connected but can only view channels 5 and 6, complete the following steps:

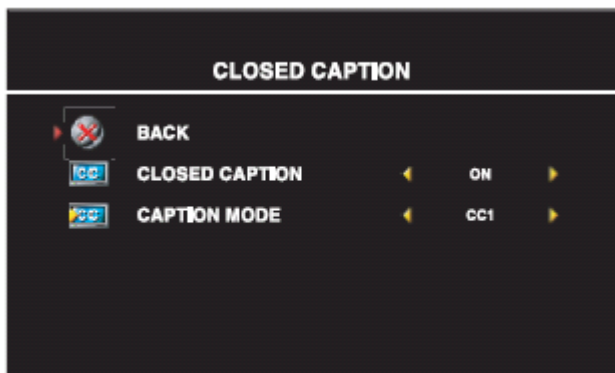


1. Press the menu button, the remote control or TV and enter the TV menu.
2. Select setup and then select channel setup.
3. In channel setup, select Antenna/Cable, and then toggle to cable.
4. If selecting cable does not resolve the issue, repeat steps 1 through step 3 using each available channel setup option (HRC, IRC, and Antenna) until you can view all channels.

Sleep Timer

Sleep Timer allows you to select an increment of time after which the LCD TV display turns off automatically. You can select from 10 minutes to 3 hours

Closed Caption



In the Closed Caption menu, you can select on, off, or Mute. If you select Mute automatically displays when you use the mute button on the remote control.





You can choose from the following Caption modes.

- CC1 through CC4 and TXT1 through TXT4 (CC1, CC2, and CC4 offer standard Closed Captioning and CC3 provides closed captioning in a secondary language.)
- CC Mute (automatically turns CC on when you mute the TV volume)

2.4 Connecting LCD TV Display

The LCD TV display has four standard connectors that can be used to connect devices.



Note: Before you connect your LCD TV display, ensure you have all the proper cables. Some cables may come with the device you are connecting.

Quality	Cable and Connector	When to use
Good		<p>Coaxial (RF) carries the video and audio from one cable. The coaxial connector is labeled, ANT/Cable on your LCD TV display.</p>
Good		<p>Composite carries the video signal through a single pin. If you are using a composite video connector you also need to connect composite audio connectors.</p>
Better		<p>S-Video splits the video signal into two signals, black-and-white and color.</p>
Best		<p>Component splits the video signal into three signals, two color and one black-and-white</p>

Connect LCD TV to computer

The LCD TV display has two standard connectors that can be used to connect your computer.

Note: The type of connector you use depends on the graphics card your computer supports. For additional information about graphic cards, see your computer documentation.

Quality	Cable and Connector	When to use
Good		<p>A standard graphic display system for computers that uses an analog signal and can support resolutions up to 1360 x 768.</p>
Better		<p>A digital signal that can support digital and convert analog to digital. DVI can be used for high resolutions display and can support resolutions up to 1360 x 768. Connect the audio cable from your computer to the LCD TV Display Audio connector for VGA or DVI.</p>

Use the ANT/Cable (Coaxial) Connector



1. Turn off the LCD TV display and unplug the power cord.
2. Connect the coaxial cable to the ANT/Cable connector of the LCD TV display.
3. Plug in the power cord for the LCD TV display and turn on the LCD TV display.
4. Enter the TV menu and select TV.

Using the Composite Connector



1. Turn off the LCD TV display and unplug the power cord.
2. Connect your device including the audio cables.
3. Plug in the power cords for the LCD TV display and device and turn them on.
4. Enter the TV menu and select the AV SIDE (Composite 1).

Using the S-Video Connector



1. Turn off the LCD TV display and unplug the power cord.
2. Connect your device including the audio cables.
3. Plug in the power cords for the LCD TV display and device and turn them on.
4. Enter the TV menu and select the AV SIDE (S-Video 1).

Using the component Connectors



1. Turn off the LCD TV display and unplug the power cord.
2. Connect your device including the audio cables.
3. Plug in the power cords for the LCD TV display and device and turn them on.
4. Enter the TV menu and select the AV1 (Composite 1) or AV2 (Composite 2).

Using the DVI Connector

Connecting a video Device



Connecting a Computer



1. Turn off the LCD TV display and unplug the power cord.
2. Connect the white DVI cable to your LCD display TV and to the video device or your computer.
3. Connect the audio cables.
If you re connecting a video device, use the audio connectors (red and white) or if you are connecting a computer use the stereo connector (green)
4. Plug in the power cords for the LCD TV display and device and turn them on.
5. Enter the TV menu and select the DVI.

Using the VGA Connector



Note: Only one connector can be used for a computer, either VGA or DVI.

1. Turn off the LCD TV display and unplug the power cord.
2. Connect the blue VGA cable to your LCD TV display and to your computer.
3. Connect the green audio cable to the connector on the LCD TV display and to your computer.
4. Plug in the power cords for the LCD TV display and device and turn them on.
5. Enter the TV menu and select the VGA.

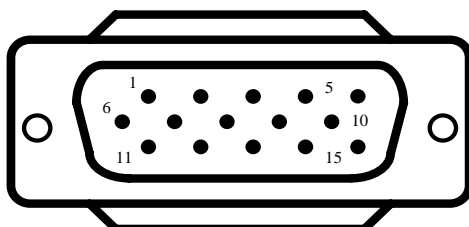
3. Input/Output Specification

3.1 Input Signal connector

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

Position the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduct ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.

Connect the 15-pin D-SUB or 24-pin DVI color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



15 - Pin Color Display Signal Cable

PIN NO.	Description	PIN NO.	Description
1	Red Video	9	No Pin!
2	Green Video	10	Sync Ground
3	Blue Video	11	Not Used
4	Not Used	12	Serial Data for DDC
5	Ground	13	H-Sync.
6	Red Ground	14	V-Sync.
7	Green Ground	15	Serial Clock for DDC
8	Blue Ground		

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 Factory Preset Display Modes:

Factory Preset Timing					
		Analog		Digital	
Mode	Resolution	Refresh Rate (Hz)	Horiz. Freq. (KHz)	Refresh Rate (Hz)	Horiz. Freq. (KHz)
A	640 x 350	70	31.5	70	31.5
B	640 x 400	70	31.5	70	31.5
C	640 x 480	60	31.5	60	31.5
D	640 x 480	75	37.5	75	37.5
E	720 x 400	70	31.5	70	31.5
F	800 x 600	60	37.9	60	37.9
G	800 x 600	75	46.9	75	46.9
H	1024 x 768	60	48.4	60	48.4
I	1024 x 768	70	56.5	70	56.5
J	1024 x 768	75	60	75	60
K	1280 x 768	60	48.1	60	48.1
L	1280 x 1024	60	63.8	60	63.8
M	1360 x 768	60	47.72	60	47.72
640X400@70Hz, 31.5kHz	Required for Microsoft Windows Hardware Logo Requirement. Does not need to be a preset timing, but must display a picture. This is the Windows 98 start up screen. Only centering is required, not scaled. To be investigated also when samples arrive. 640 x 350 resolution should also be checked during development.				
# Of User Defined Timings	User defined Modes 13 TPV to provide User define able parameter is the user table				

4. ISP Program Instructions

4.1 System Connection

The system should be connected as shown below (Fig 5.1, Fig 5.2, Fig 5.3, Fig 5.4).



Fig 5.1



Fig 5.2

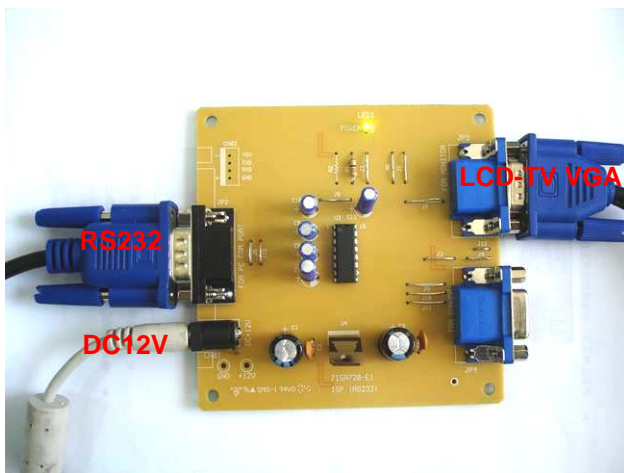
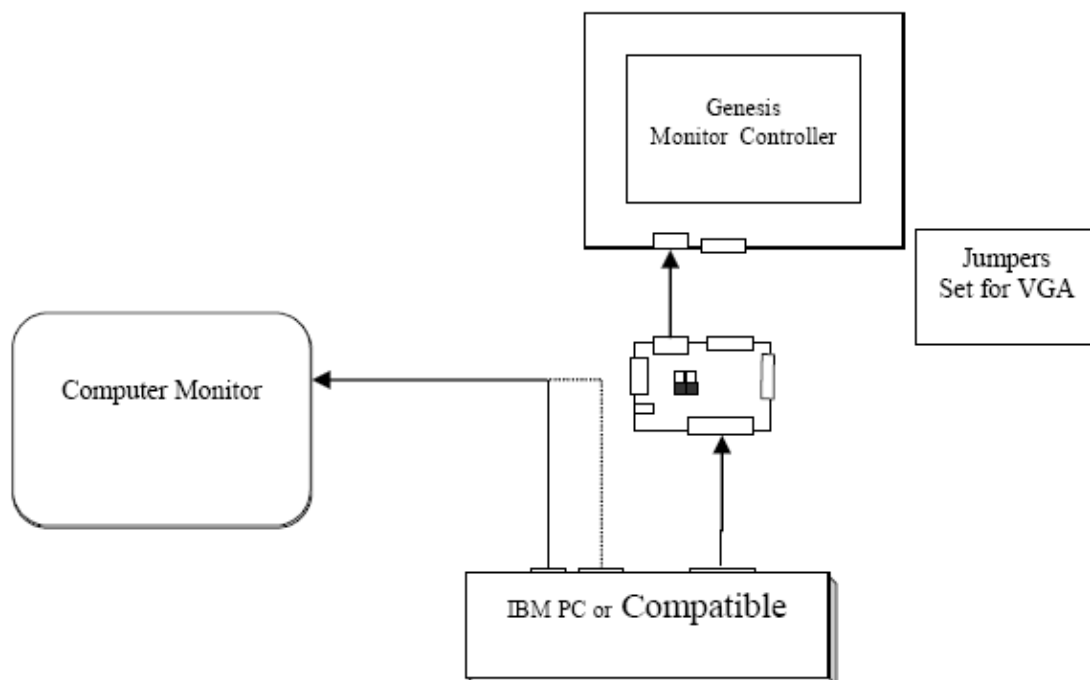


Fig 5.3



APDOF Fig 5.4

4.2 Install the software (Gprobe 5.0) for ISP burn in

Operating system

- (1) Microsoft windows OS.
- (2) 100M free hard-drive space.
- (3) 1 free parallel port for DDC2BI communication.

The relevant soft wares (as Fig5.5)

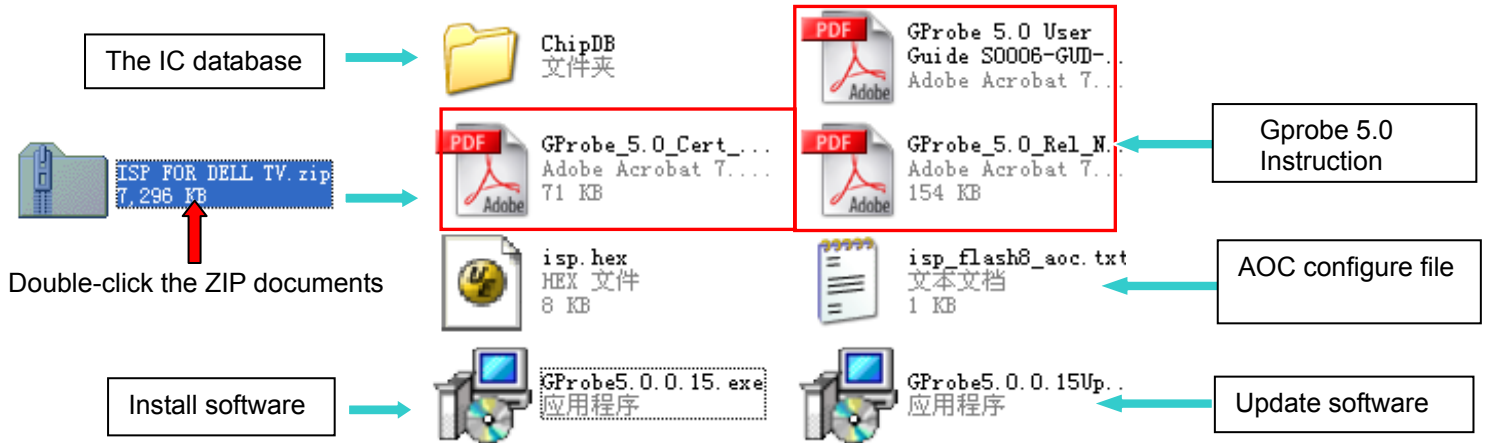


Fig 5.5

A. Double-click the Install software, , as Fig 5.6

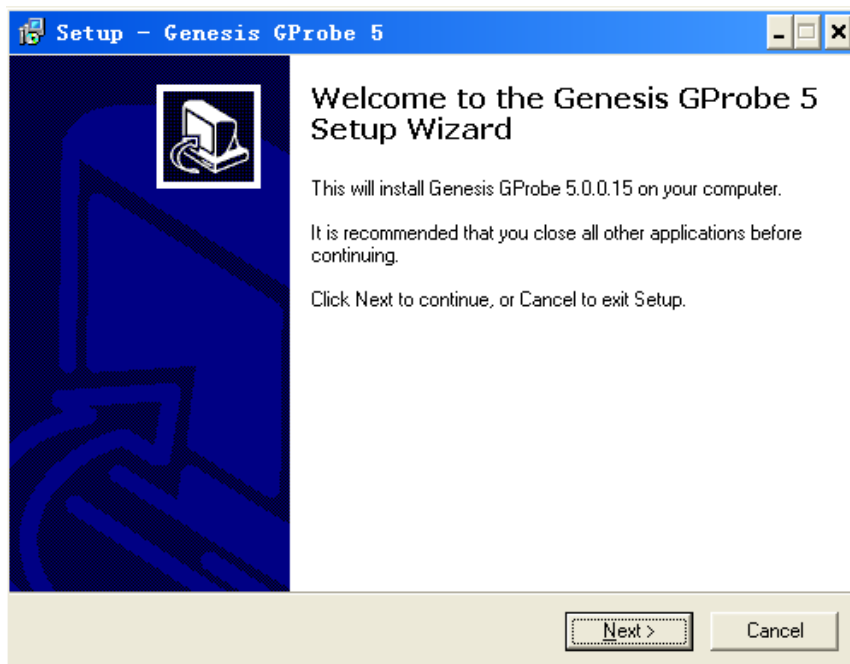


Fig 5.6

Select the folder where you would like Genesis Gprobe 5 to be installed, as Fig 5.7

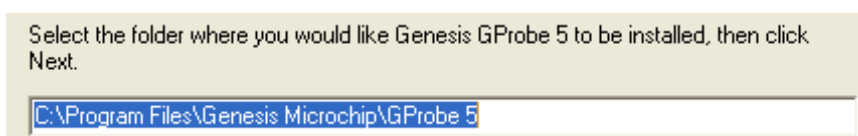


Fig 5.7

Completing the Genesis GProbe 5 setup wizard, as Fig 5.8

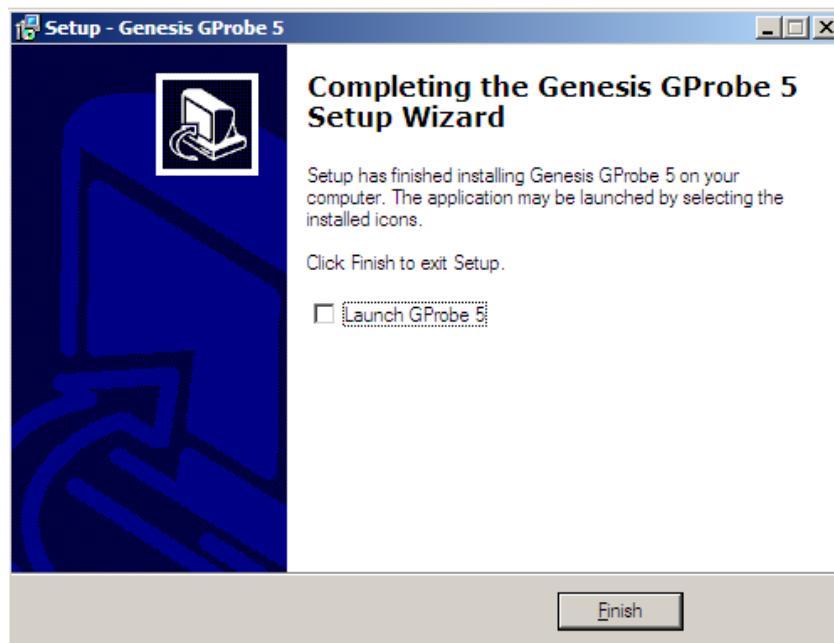



Fig 5.8

Note: After finishing the installation, you must restart the PC.

B. Next, installing the Update software,  , as Fig 5.9.

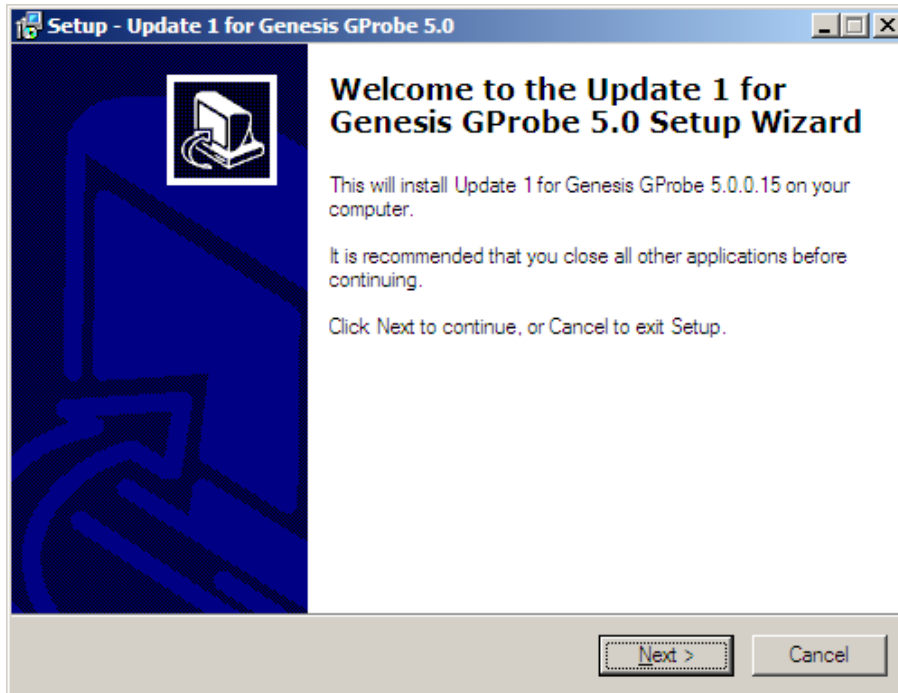


Fig 5.9

Completing the update 1 for Genesis Gprobe 5.0 setup wizard, as Fig 5.10

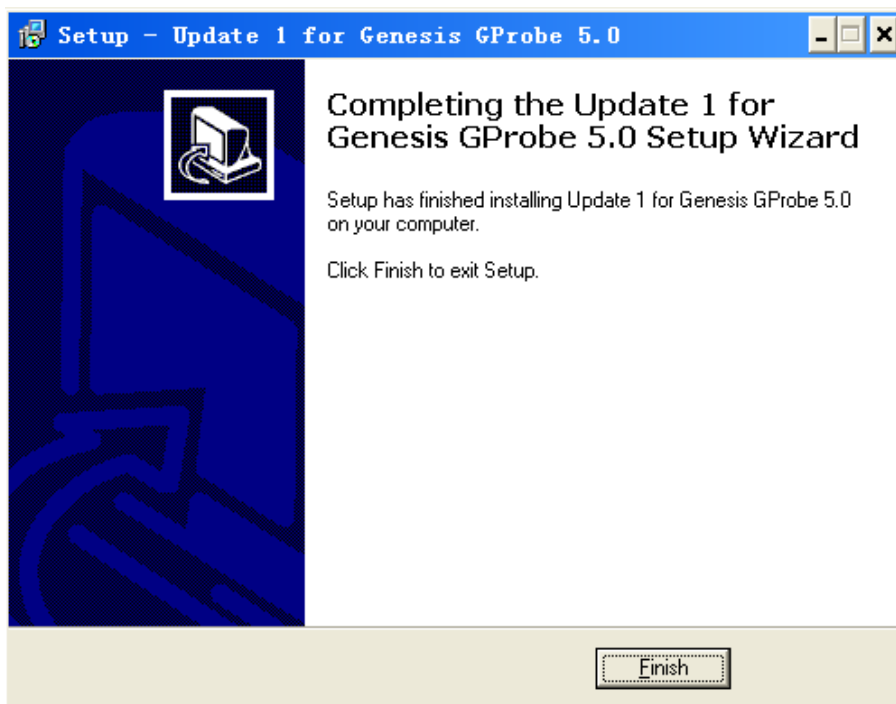




Fig 5.10

B. Copy the “ChipDB”  folder to the install folder, replace the primary one

( Genesis Microchip 2005-8-19 8:39   ChipDB). Installation Finished.

4.3 Run the program

After the installation, a short-cut icon  will appear on your desktop, double click it will run the program.

- (1). Select the IC type FL18532-BD (NOTE: If there is not this selection, please check the “ChipDB”), As Fig 5.9

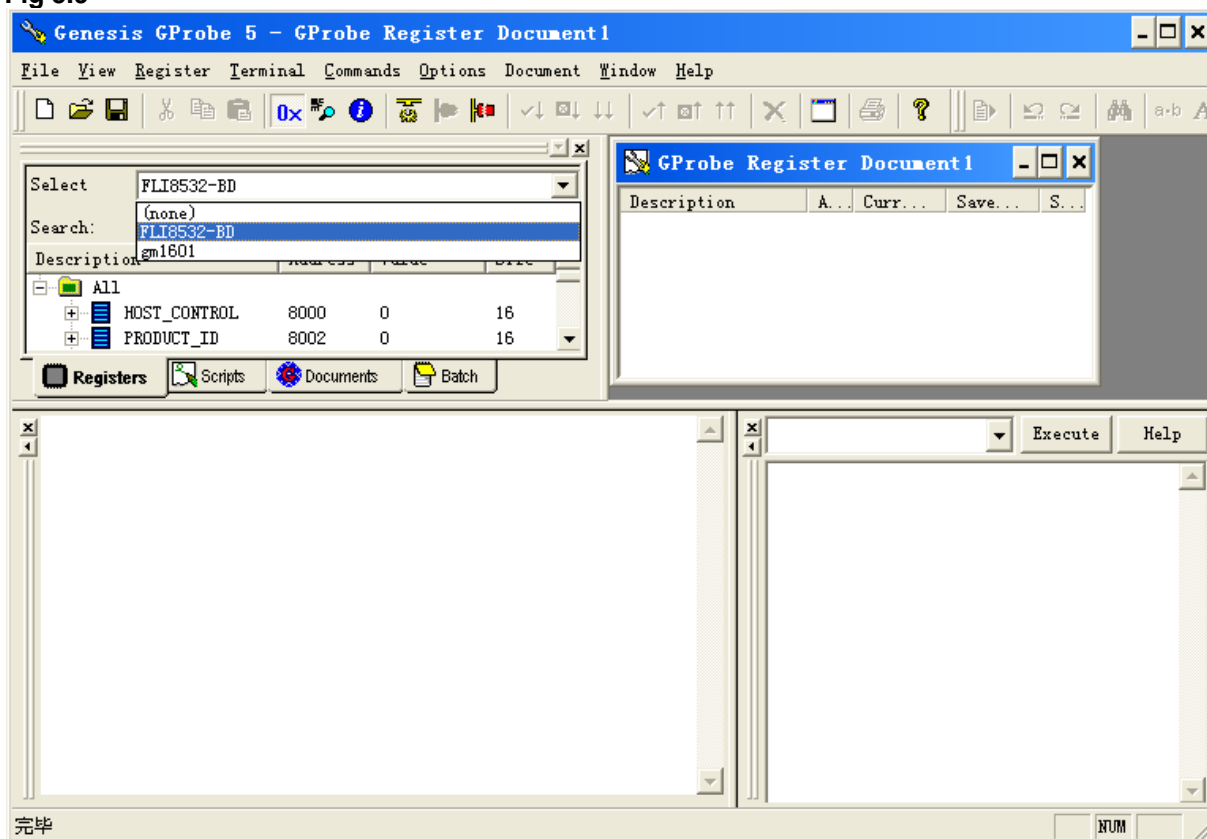


Fig 5.9

- (2). Open the configure file “isp_flash8_aoc.txt”, as Fig 5.10

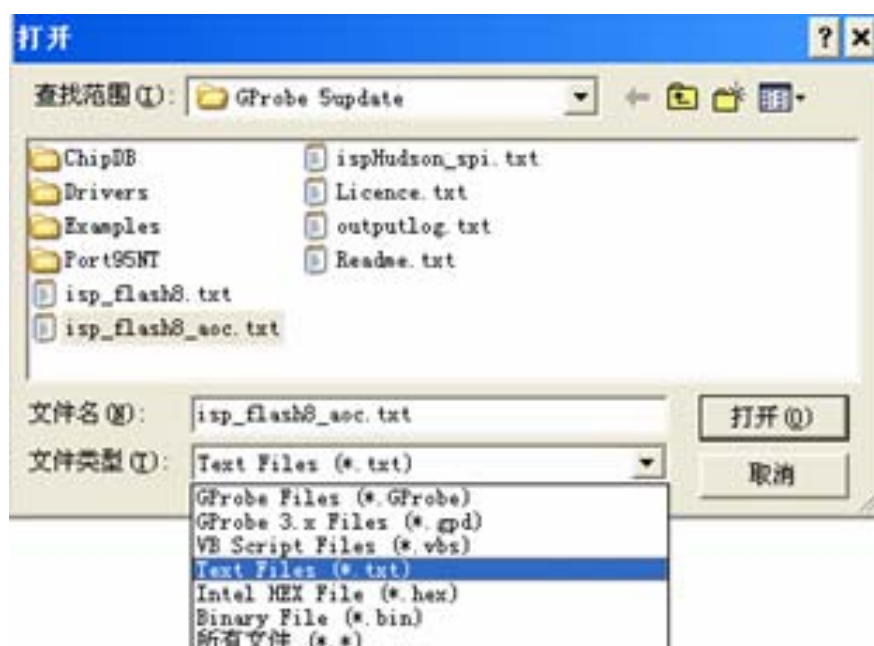


Fig 5.10

The running program as below, Fig 5.11.

```

//Connect PROTOCOL=SERIAL1;PORT=COM1;SPEED=115200
// device tested are as follows:
// Am29LV040B, Am29LV800BT-70, MX29LV320ATTI-90, Fujitsu 29LV800TE-90
//
debugon
SetBuffer 0x3000 4096
Reset 0
delay 500
setDelay 5000
RAMWrite Isp.hex
run 0x500
delay 500
setDelay 32000
FlashErase
fastFlashWrite d:\RD2_Board.hex
delay 500
Reset 1
//batch isp_flash8_aoc.txt
    
```

```

fastFlashWrite d:\rd2_board.hex
delay 500
Reset 1
//batch isp_flash8_aoc.txt
    
```


```

batch isp_flash8_aoc.txt
    
```

```

graph TD
    Start([Press execute button  
ISP is running...]) --> Success([Success])
    Start --> Error([Error])
    Success --> SuccessText[Access to factory  
menu, whether the  
firmware version is  
the new one]
    Error --> CheckKits[Check the kits and  
the connection]
    CheckKits --> CheckConfig[Check the software  
configuration]
    
```

Fig 5.11

Note: When you change the path of the firmware, you must push  to save the configure (3). Click **Execute**, there will appear the chart as Fig 5.12

```

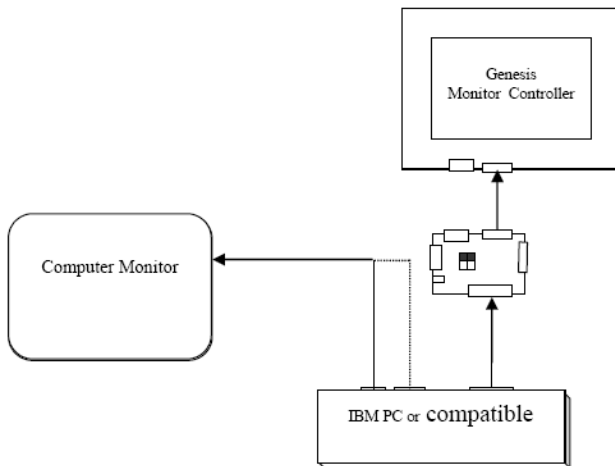
DebugOn: Command Successful.
SetBuffer: Command Successful.
Reset: Command Successful.
Delay: Command Successful.
SetDelay: Command Successful.
RAMWrite: Command Successful.
Run: Command Successful.
Delay: Command Successful.
SetDelay: Command Successful.
Erasing FLASH... Done.
Writing FLASH... Done.
Delay: Command Successful.
Reset: Command Successful.
Execution time: 60.05s
Batch: Command Successful.
Re-initialize NVRAM
---Decoder Calibration START
---Decoder Calibration DONE
RGB Checksum error -RGBFactoryReset
fineTuneOffset 0
theater.
fineTuneOffset 0
    
```

Fig 5.12

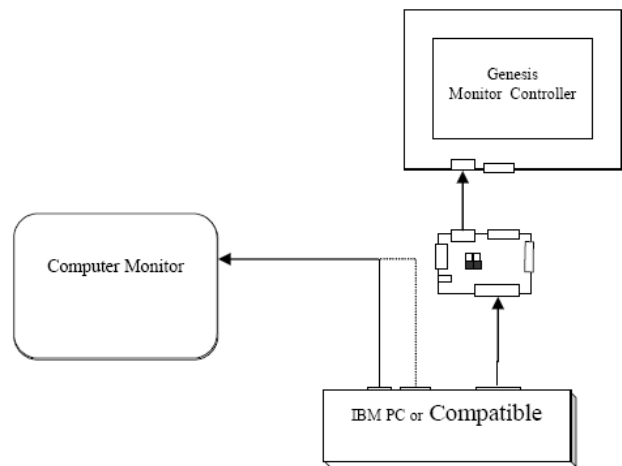
5. EDID Program Instruction

5.1 System Connection

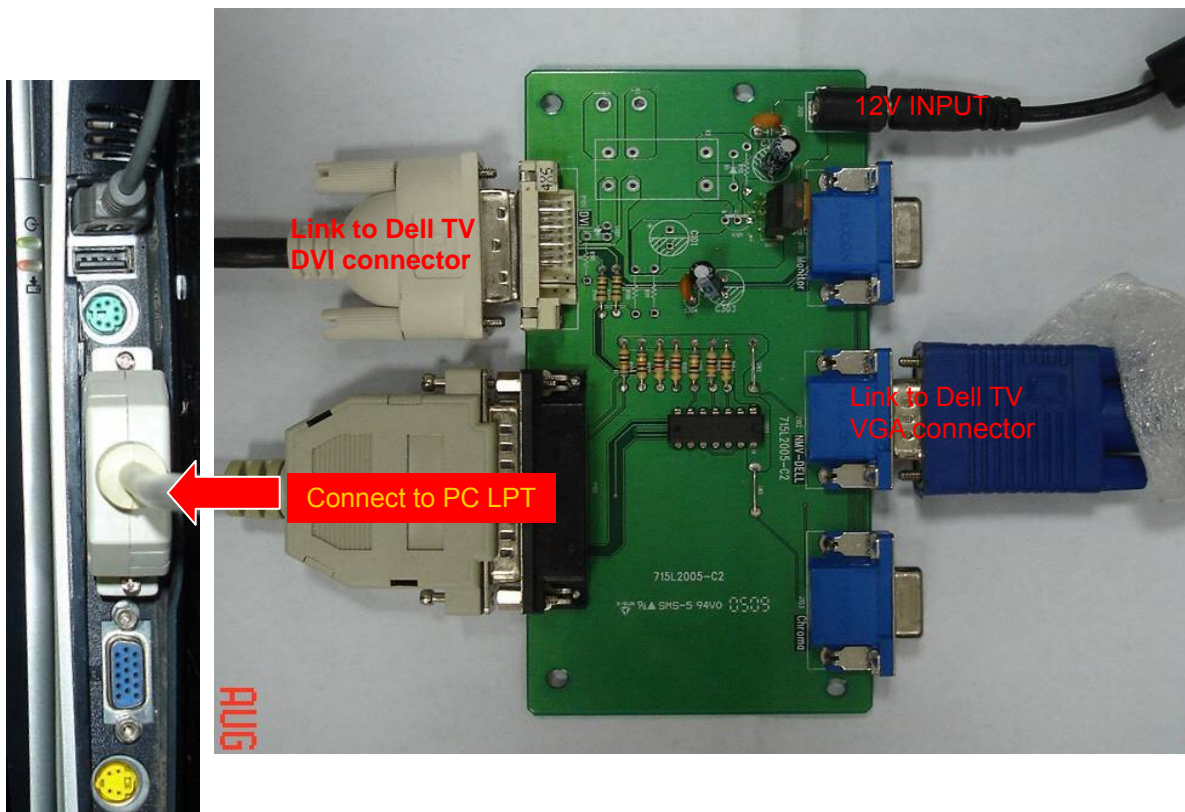
The system should be connected as shown below.



VGA DDC burn in

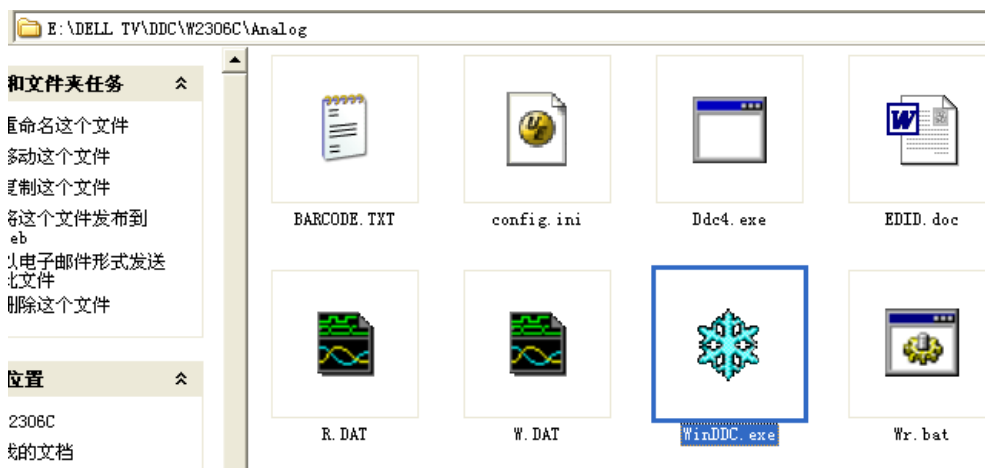


DVI DDC burn in

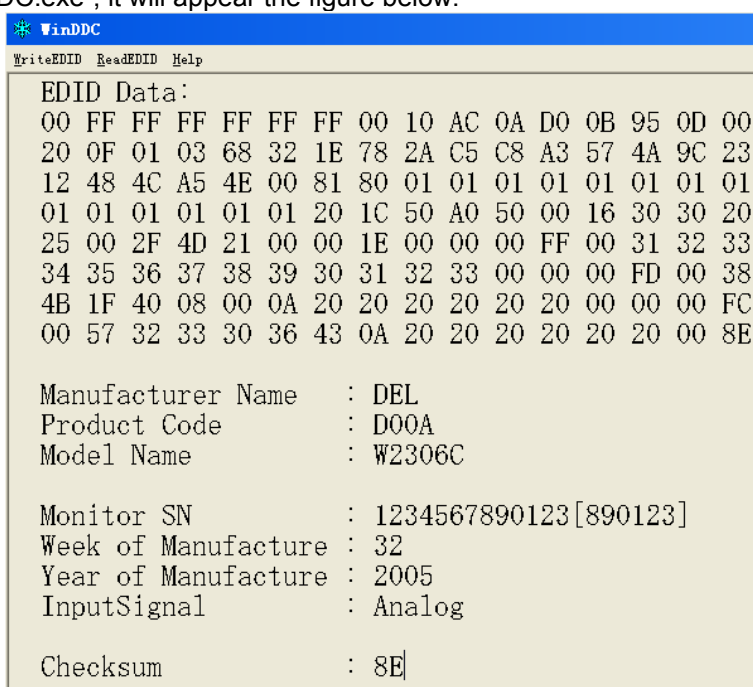


Note: VGA and DVI must not connect at the same time.

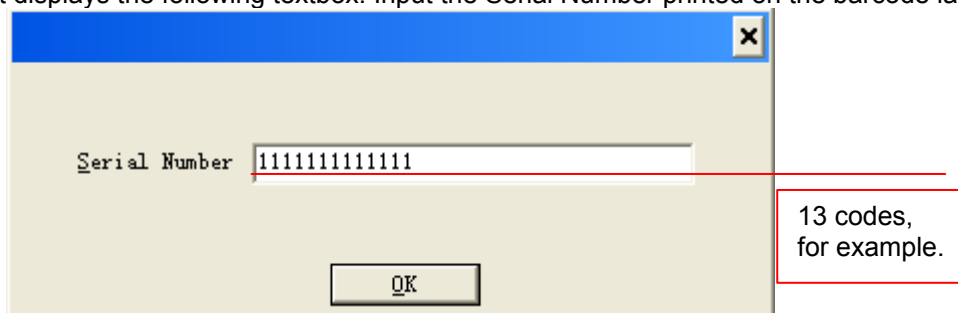
5.2 Run the DDC burn in program



(1) Double-click "WinDDC.exe"; it will appear the figure below:



(2) Click "WriteEDID", it displays the following textbox. Input the Serial Number printed on the barcode label.



(3) The process of DVI DDC burn in is the same to VGA burn in process!

6. White Balance, Luminance Adjustment

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

Before started adjust white balance, please set the Chroma-7120 **MEM. Channel 3 to Natural** colors, **MEM. Channel 4 to 6500K** color, **MEM. Channel 9 to 9300K** colors and **MEM. Channel 10 to 5700K** colors (Nature parameter is $x = 289 \pm 15$, $y = 304 \pm 15$, **6500** parameter is $x = 313 \pm 15$, $y = 329 \pm 15$, **9300** parameter is $x = 283 \pm 15$, $y = 297 \pm 15$, **5700** parameter is $x = 328 \pm 15$, $y = 344 \pm 15$),

The data of Y of all the mode is $PC > 300, AV > 400, S\text{-Video} > 400, Component > 400cd/m^2$.

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

- after there are no OSD pictures on screen ,Press Number key 0000 will into the factory mode, and press Menu key to enter the **Factory Mode**.
- In the factory mode ,the menu as follows:

5700K	R、 G、 B	}	the data is the result of R、 G、 B after W/B adjustment;
6500K	R、 G、 B		
9300K	R、 G、 B		
NATURAL	R、 G、 B		
Burn In Mode			
Auto Balance→Auto level adjusts.			
Initial NVRAM→Initial EEPROM			
Boot Power State 【ON/OFF】			

The steps of the PC W/B adjustment as follows:

I. Initial the EEPROM

Press “Initial NVRAM” button;

II. Bias (Low luminance) adjustment:

Prepare: ensure the currently mode is PC (VGA)

Press “Auto Balance” button (the image is black and white at the PAT42)

III. Gain adjustment:

1. Switch the chroma-7120 to RGB-mode (with press “MODE” button)
2. Let the signal output the white image (press pattern 105), select one of the color temp (as Natural、 6500K、 9300K、 5700K) and adjust R、 G、 B until up to 100 ± 3 .
3. Select another color temp and follows as item 2.

The steps of the AV W/B adjustment as follows:

The steps of AV W/B adjustment as follows:

Gain adjustment:

1. Switch the chroma-7120 to RGB-mode (with press “MODE” button)
2. Let the signal output the white image (press pattern 105), select one of the color temp (as Natural、 6500K、 9300K、 5700K) and adjust R、 G、 B until up to 100 ± 3 .
3. Select another color temp and follows as item 2.

The steps of the SV(S-Video) W/B adjustment as follows:

The steps of SV’s W/B adjustment is the same as AV’s.

The steps of the CP(component) W/B adjustment as follows:

The steps of CP’s W/B adjustment as same as PC’s.

Max Brightness measurement:

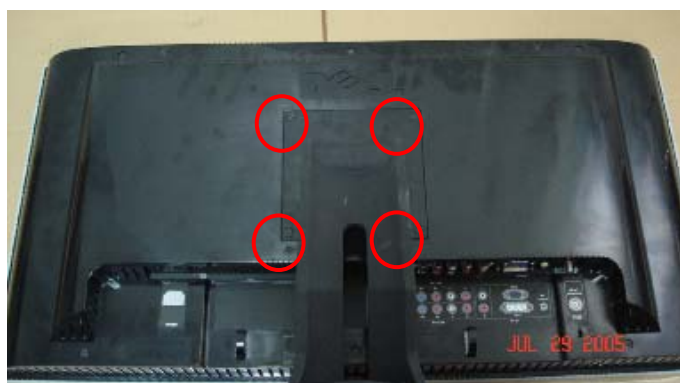
- a. Switch to the full white pattern, in normal mode main menu:
 - Set <Picture Settings> menu **Brightness, Contrast** to the max.
- b. The Minimum brightness is $400cd/m^2$

7. Mechanical Instructions

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



2). Remove the 4 screws to remove stand.



3). Remove 10 screws and the connect wire with main board and side board to remove rear cover.



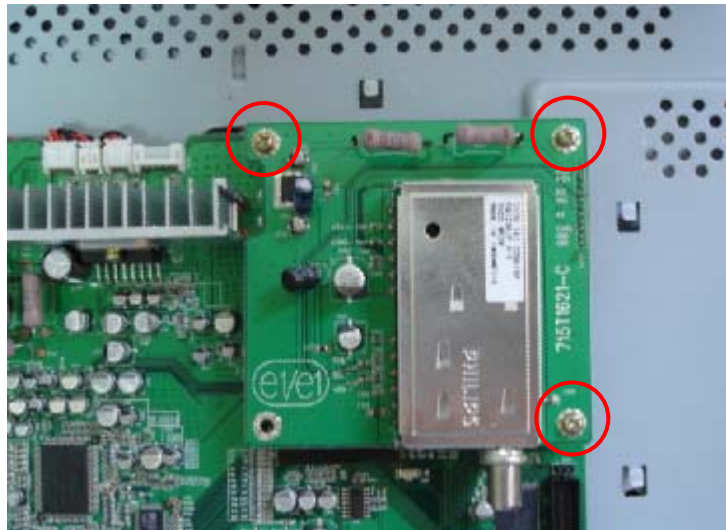
4). Remove the 5 screws to remove the main frame.



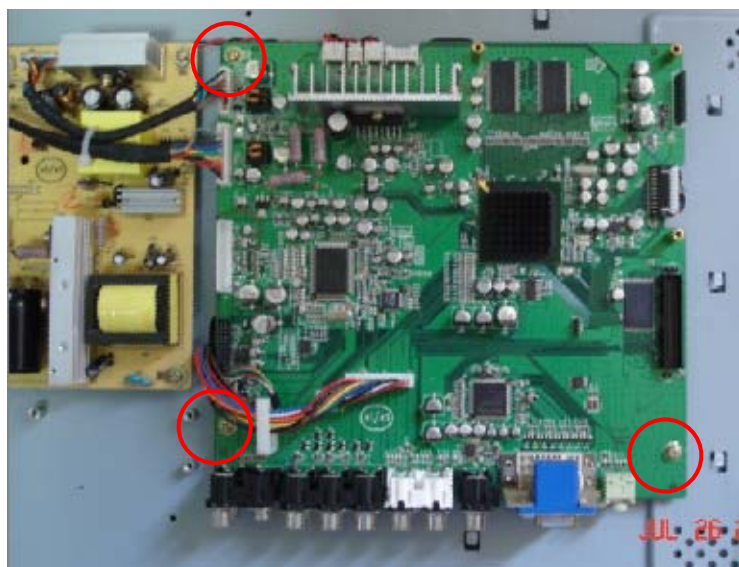
5). Remove the 11 screws to remove AV jack metal shield.



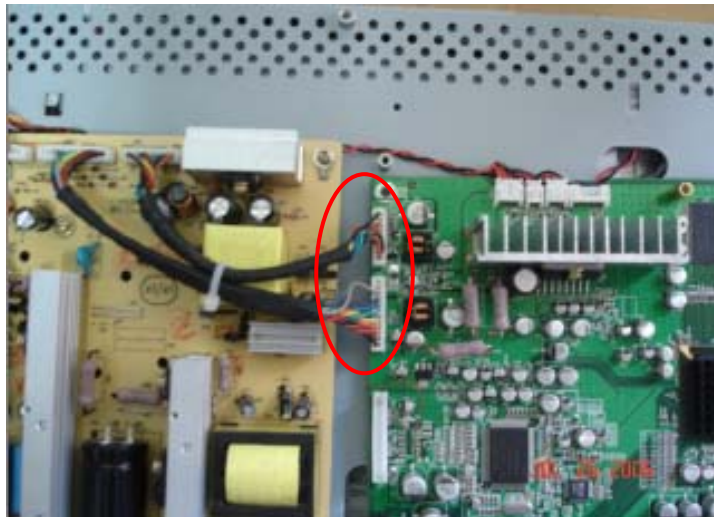
6). Remove the three screws and the connector with tuner board and main board to remove tuner board.



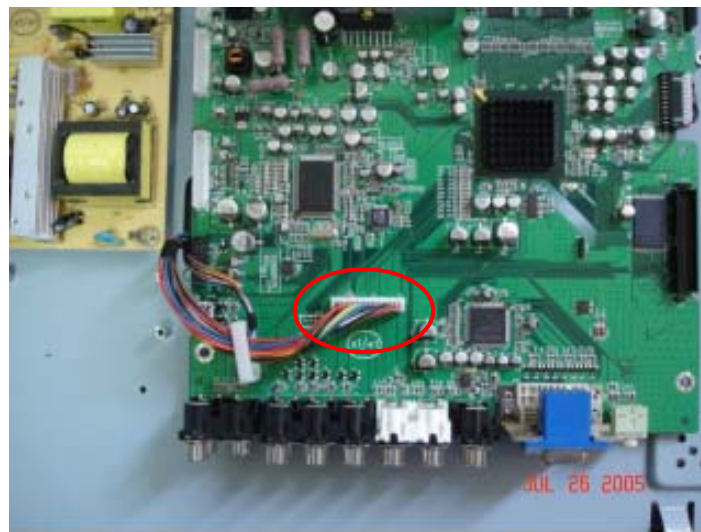
7). Remove the three screws to remove main board.



8). Remove the connect wire with power board and main board.



9). Remove the connect wire with main board and panel.



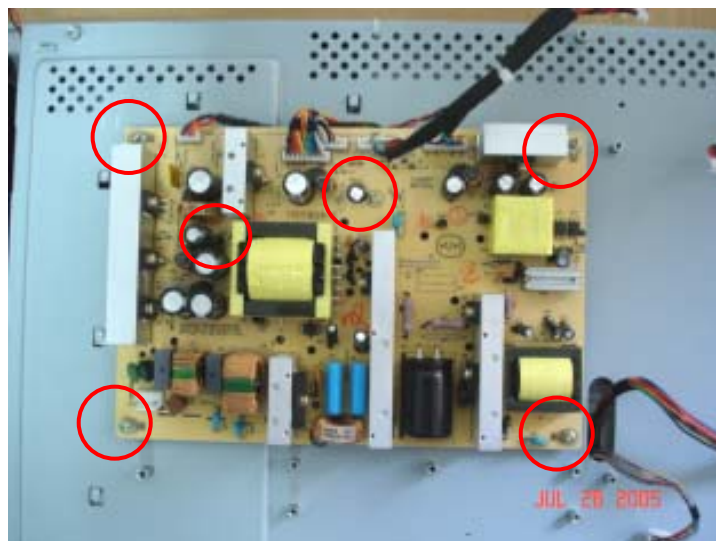
10). Remove the connect wire with main board and AV jack.



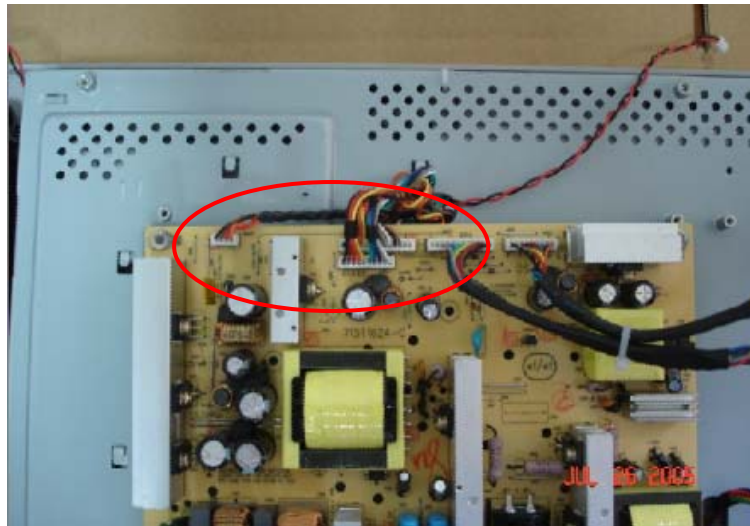
11). Remove the connector wire with main board and panel.



12). Remove the 6 screws to remove power board.



13). Remove the connect wire with power board and panel.



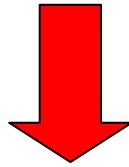
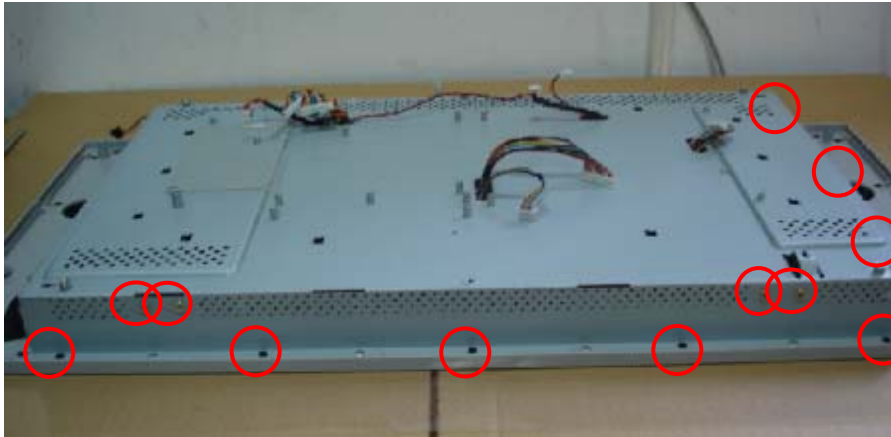
14). Remove the 3 screws and the connect wire to remove right speaker.



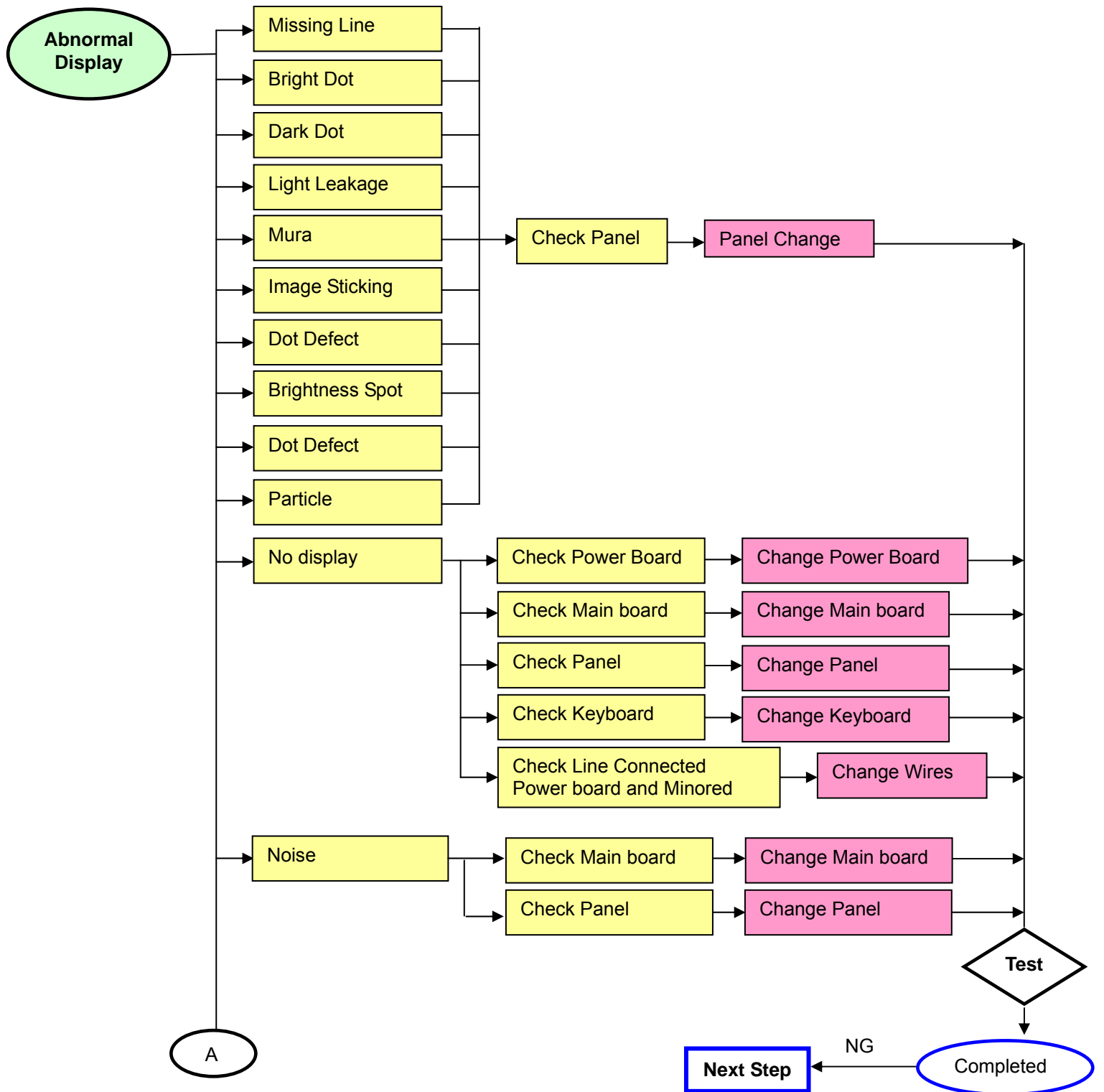
15). Remove the 3 screws and the connect wire to remove left speaker.

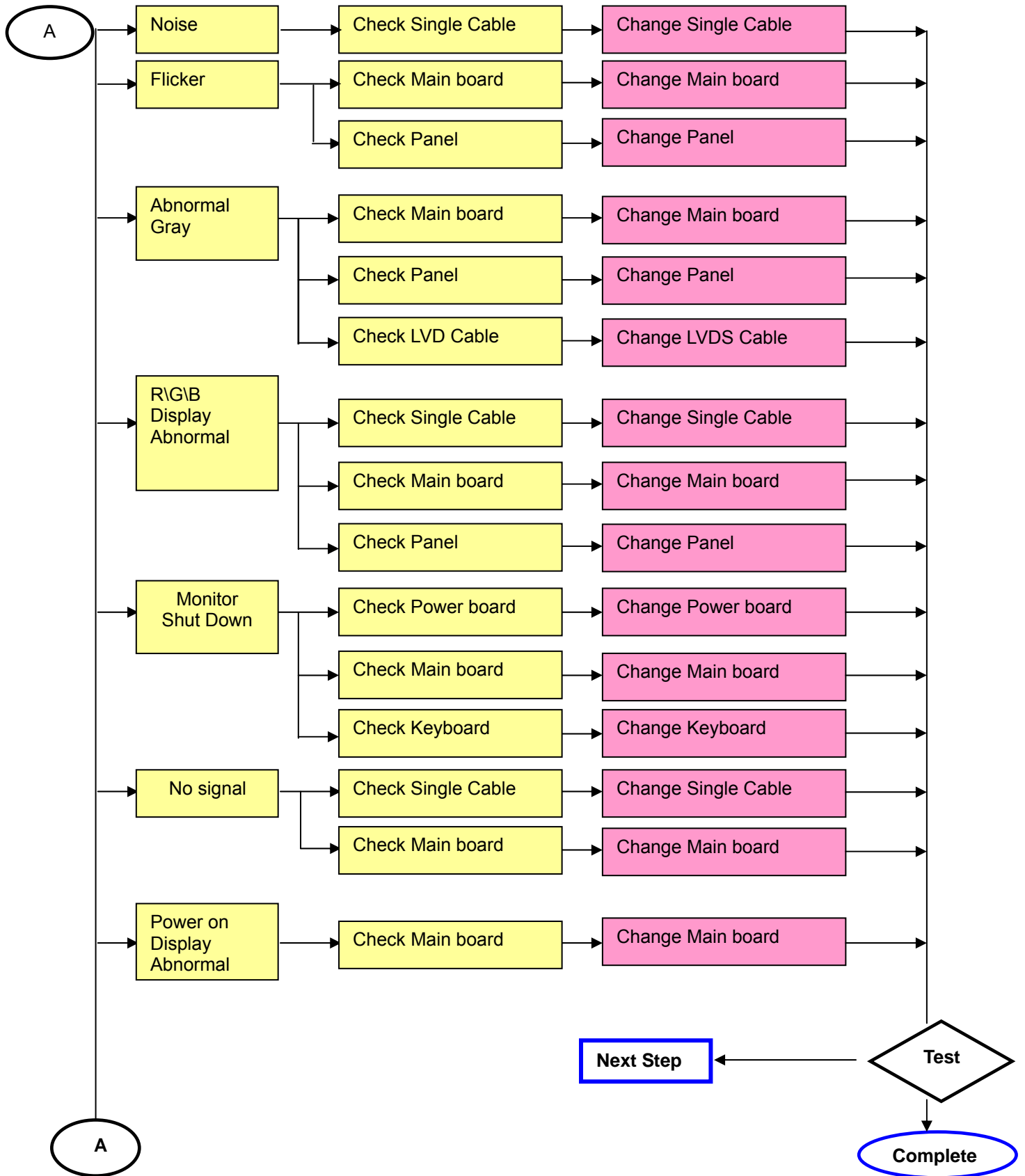


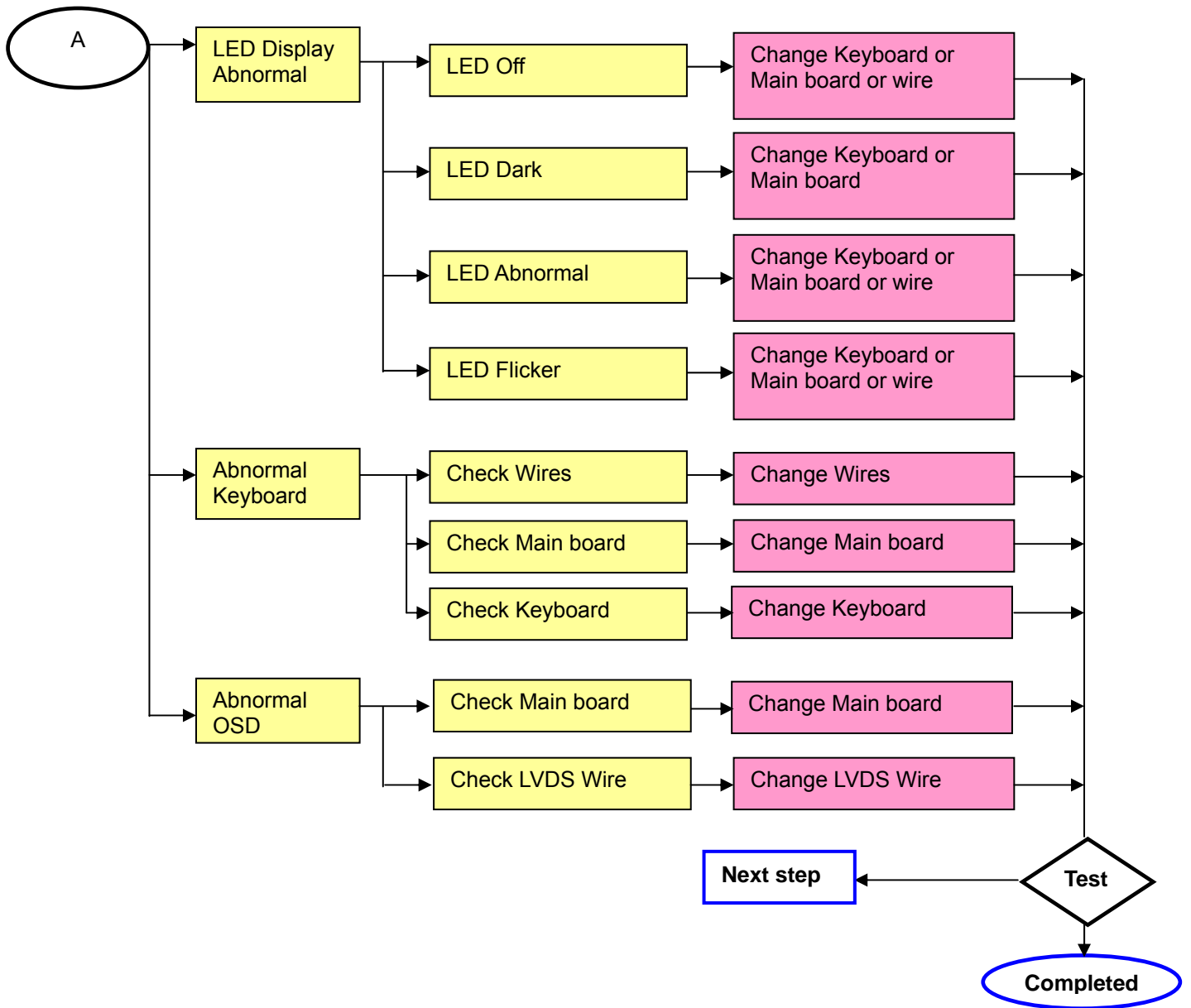
16). Remove the 24 (left and right (total 6), top and bottom (total 18)) screws to remove shield.



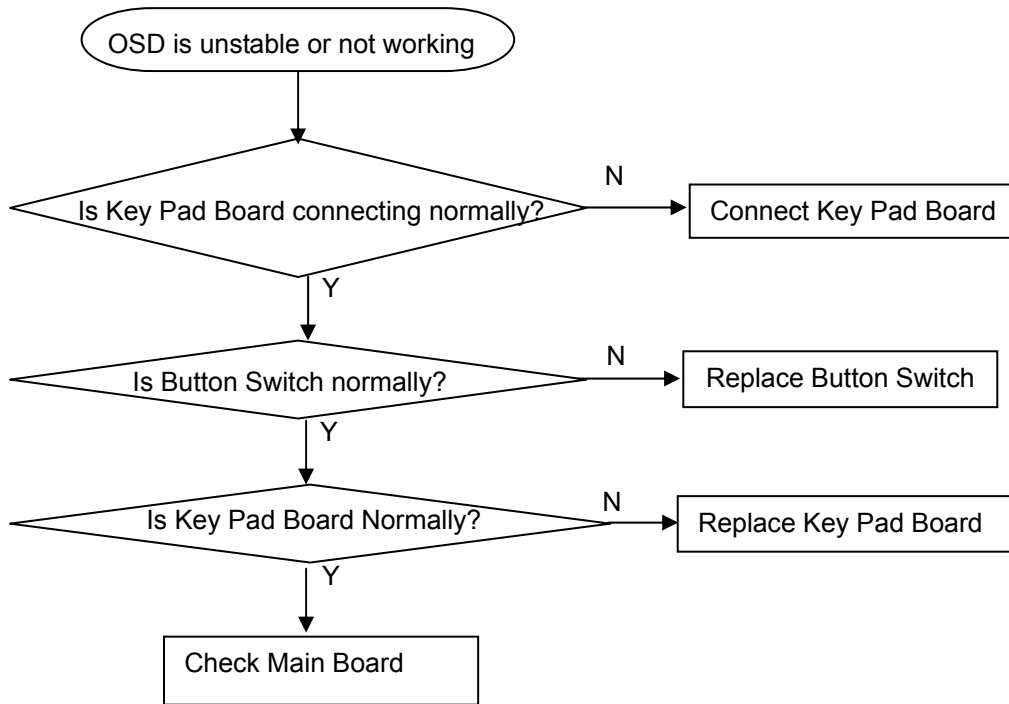
8. Repair Flow Chart







Key Board



9. BOM List

EDF5GGNKDEDMJMP

Location	P/N	Description
	002T6019 1	STAND OFF
	007T 1 5D16	WOODEN PALLET
	011T 182 1	WIRE HOLDER
	015T6262 1	MAIN FRAME
	023T3178700 4A	DELL LOGO
	026T 800700 7A	S/N LABEL BOX 20MM
	037T6043 1 TH	HINGE
	040T 230700 1B	RATING LABEL
	040T 581 26704	SHIPPING LABEL
	040T 581700 3A6813	CARTON LABEL
	040T 581700 9B	I/D LABEL FOR DAO
	041T 68508 A	CONTROL CARD
	041T780070012A	23" QSG FOR DAO
	044T2301 1	EPS
	044T2301 2	EPS
	044T2301700 2A	CARTON
	044T3121510506	SPONGE
	044T3231 15	EVA WASHER
	044T6002700 9A	PAPER PLATE
	044T9003 96	CORNER PAPER
	045T 77 3	PE PACKING
	045T 99626DE1	PE BAG FOR MONITOR
	049T 51 1A	ERADICATOR
	050T 500 1	CABLE TIE
	052T 1186	SMALL TAPE
	052T 2191 A	TAPE
	052T6019 1	YELLOW TAPE
	052T6025 15125	MYLAR
	052T6025 15133	MYLAR
	078T 445 1 L	SPEAKER
	078T 445 1 R	SPEAKER
	085T6136 1	SHIDD
	089T 173 56 40	RCA CABLE
	089T 173 56 41	RCA CABLE
	089T 173 56538	RF CABLE
	089T1738GAA 16	SIGNAL CABLE
E08901	089T402A18N CX	POWER CORD
	092TB1JX1A31GM	PEONY A1KALINE LR03
	095T8013 2523	WIRE HARNESS
	095T8013 3526	WIRE HARNESS
	095T8014 4517	WIRE HARNESS
	095T8014 10524	WIRE HARNESS
	095T8014 12 38	WIRE HARNESS
	095T8014 13607	WIRE HARNESS
	095T8014 14641	WIRE HARNESS
	095T8018 30664	WIRE HARNESS
	098TR7BDFNEDLI	REMOTE CONTROL DAO
	0M1T 130 5125	SCREW
	0M1T 140 5120	SCREW
	0M1T1140 4120	SCREW

	0M1T1730 6120	SCREW 3*6MM
	0M1T1730 6120	SCREW 3*6MM
	0M1T1730 6120	SCREW 3*6MM
	0M1T2040 4225 GP	SCREW
	0M1T2040 12 47 GP	SCREW
	0Q1T 330 5 47 CR3	SCREW
	0Q1T1040 10120	SCREW
	0Q1T1040 10120	SCREW
	705LDF5FB34004	23" TV BACK COVER ASS'Y
	015T6265 1 TH	SHIELD BOTTOM COVER US
	088T 303 7A S	NTSC TO RCA CONN.
	089T 173 56 38	AUDIO CABLE
	0M1T 130 6 47 GP	SCREW
	705LDF5FB34006	23" TV BACK COVER ASS'Y
	033T4904 X2 C	KEY PAD
	033T4906 ED C	IR LENS
	033TD603 X2 L	TRIM TOP
	033TD604 X2 L	TRIM SIDE
	034T1648ACW T	BEZEL
	034T1649ATH T	REAR COVER
	036T 700 5 TH	SPEAKER GR ILL
	095T 900585	WIRE HARNESS
	095T 900590	HARNESS
	0M1T 330 10120	SCREW
	0M1T1730 6120	SCREW 3*6MM
	0Q1T 330 5120	SCREW
	0Q1T 330 8120	SCREW 3X8MM
	IRPFDA4P	IR BOARD
	011T7005 1	SUPPORT BELT
U1	056T 627 14	NO APP KSM-2003LN2E BY KOD
CN1	095T8014 10526	WIRE HARNESS
Q2	057T 417 6	PMBS3906/PHILIPS-SMT
Q1	057T 417 6	PMBS3906/PHILIPS-SMT
R3	061T0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R4	061T0603100 2F	RST CHIPR 10KOHM +-1% 1/10W
R1	061T0603100 2F	RST CHIPR 10KOHM +-1% 1/10W
R10	061T0603101	CHIP 100OHM 1/16W
R11	061T0603103	CHIP 10KOHM 1/16W
R14	061T0603103	CHIP 10KOHM 1/16W
R7	061T0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W
R8	061T0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W
R9	061T0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W
R13	061T0603301	RST CHIPR 300OHM +-5% 1/10W
R15	061T0603301	RST CHIPR 300OHM +-5% 1/10W
R6	061T0603511 1F	RST CHIPR 5.11 KOHM +-1% 1/10W
R2	061T0603680 1F	RST CHIPR 6.8 KOHM +-1% 1/10W
R5	061T0603680 1F	RST CHIPR 6.8 KOHM +-1% 1/10W
C7	065T0603101 32	CHIP 100PF 50V X7R
C9	065T0603104 32	CHIP 0.1UF 50V X7R
C6	065T0603104 32	CHIP 0.1UF 50V X7R
C5	065T0603104 32	CHIP 0.1UF 50V X7R
C4	065T0603104 32	CHIP 0.1UF 50V X7R
C3	065T0603104 32	CHIP 0.1UF 50V X7R
C2	065T0603104 32	CHIP 0.1UF 50V X7R

C11	065T0603104 32	CHIP 0.1UF 50V X7R
C10	065T0603104 32	CHIP 0.1UF 50V X7R
C1	065T0603104 32	CHIP 0.1UF 50V X7R
C8	065T0805475 A5	CHIP 4.7UF 10V X5R
FB2	071T 56G151 B	BEAD 0805 150 OHM
FB1	071T 56G151 B	BEAD 0805 150 OHM
FB6	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB5	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB4	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB3	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
S7	077T 604 3 CJ	CHIP TACT SW TSUA-3SP-NP
S6	077T 604 3 CJ	CHIP TACT SW TSUA-3SP-NP
S5	077T 604 3 CJ	CHIP TACT SW TSUA-3SP-NP
S4	077T 604 3 CJ	CHIP TACT SW TSUA-3SP-NP
S3	077T 604 3 CJ	CHIP TACT SW TSUA-3SP-NP
S2	077T 604 3 CJ	CHIP TACT SW TSUA-3SP-NP
S1	077T 604 3 CJ	CHIP TACT SW TSUA-3SP-NP
D3	081T 14 12 KT	CHIP LED KTL-HKBB333B-TRB
D2	093T 6433P	BAV99
D1	093T 6433P	BAV99
ZD1	093T 39S 24 T	RLZ 5.6B LLDS
	715T1627 2	KEY BOARD PCB
	PTPFDA4P	SIDE BOARD
CN1	033T380213H	WAFER 13P RIGHT ANGLE PITCH
CN4	088T 78 1319C	RCA JACK 1*3 R/W/Y
CN3	088T 100 9 CL	MINI DIN JACK 4P+SWITCH
CN2	088T 30231T CJ	PHONE JACK
R2	061T0603473	CHIP 47KOHM 1/16W
R1	061T0603473	CHIP 47KOHM 1/16W
C5	065T0603471 31	CHIP 470PF 50V NPO
C4	065T0603471 31	CHIP 470PF 50V NPO
C3	065T0603472 32	CHIP 4700PF 50V X7R
C2	065T0603472 32	CHIP 4700PF 50V X7R
C1	065T0603472 32	CHIP 4700PF 50V X7R
C9	065T0603680 31	CHIP 68PF 50V NPO
C7	065T0603680 31	CHIP 68PF 50V NPO
C6	065T0603680 31	CHIP 68PF 50V NPO
FB9	071T 56G151 A	CHIOP BEAD 150 OHM
FB8	071T 56G151 A	CHIOP BEAD 150 OHM
FB7	071T 56G151 A	CHIOP BEAD 150 OHM
FB5	071T 56Z601	CHIP BEAD 600 OHM
FB4	071T 56Z601	CHIP BEAD 600 OHM
FB1	071T 59B121 K	CHIP BEAD
FB3	071T 59B121 K	CHIP BEAD
FB6	071T 59B121 K	CHIP BEAD
	715T1635 2	SIDE BOARD PCB
	Q15T0023 1	KEY HOLDER
	705T 780 87 18	AC SOKET ASS'Y
	087T 501 7 RF GP	AC SOCKET
	095T 900608	WIRE HARNESS
	095T8021 3 11	HARNESS
	096T 29 6	SHRINK TUBE UL/CSA
	750TVGD0W02 11	LPL 23" A5K4 PANEL
	ADPC24150B1D1P	POWER BOARD

CN925	033T3802 4	WAFER PH-4
CN922	033T3802 10	PLUG
CN921	033T3802 14	CONN
CN901	033T8029 3A	WAFER 2P 3.96MM
	040T 45762412B	CBPC LABEL
IC910	056T 139 3A	IC PC123Y22FZ0F
IC911	056T 139 3A	IC PC123Y22FZ0F
IC912	056T 139 3A	IC PC123Y22FZ0F
IC903	056T 379 49	STR-A6252
RV901	061T 46 10	CARISTOR 560V TVR10561KFW
NR901	061T 58030 W	RST NTCR 3 OHM 5A THINKING
R969	061T152M828 64	0.82OHM 2W
C909	063T 10722410S	0.22UF 275VAC X2
C908	063T 10722410S	0.22UF 275VAC X2
C911	063T213J105GFA	MPF CAP
C910	063T213J105GFA	MPF CAP
C929	065T 1K102 2E6921	1KV 1000PF Y5P
C974	065T 1K102 2E6921	1KV 1000PF Y5P
C985	065T 1K102 2E6921	1KV 1000PF Y5P
C921	065T 1K102 2E6921	1KV 1000PF Y5P
C905	065T306K3312BP	330PF K 250VAC
C904	065T306K3312BP	330PF K 250VAC
C903	065T306K3312BP	330PF K 250VAC
C902	065T306K3312BP	330PF K 250VAC
C901	065T306M1022BP	Y1.CAP.001UF 250VAC
C900	065T306M1022BP	Y1.CAP.001UF 250VAC
C907	067T 40A12115R	450MXY 120M EFC FN
C941	067T215D4714KV	EC 105°C CAP 470UF M 25V
C939	067T215L102 4N	KY25VB1000M-L 12.5*20
C958	067T215S102 3K	LOW ESR EC 1000UF 16V
C957	067T215S102 3K	LOW ESR EC 1000UF 16V
C932	067T215S102 6K	1000UF 35V
C933	067T215S102 6K	1000UF 35V
C931	067T215S102 6K	1000UF 35V
C102	067T215S1024KV	EC 105°C CAP 1000UF M 25V
C959	067T215S471 3K	LOW ESR EC 470UF 16V
C935	067T215S471 6K	LOWESR 470UF M.35V
FB101	071T 55 29	BEAD
L902	073L 174 49LSG	LINE FILTER
L904	073T 174 69 L	430UH @ 40KHZ PFC CHOKE ERL28
L903	073T 174 70 L	120UH
L911	073T 174 78 H	LINE FILTER
L901	073T 174 78 H	LINE FILTER
L905	073T 253150 L	CHOCK
L101	073T 253151 LA	CHOKE COIL
L907	073T 253155 L	CHOKE
L906	073T 253155 L	CHOKE
T901	080TL23T 3 LS	X'FMR
T902	080TL23T 4 LS	X'FMR
RJ902	084T 55 2	FUSE
HS6	090T6119 3	HEAT SINK
RJ901	095T 90 27	WIRE HARNESS
CN924	095T8014 9 50	WIRE HARNESS

CN923	095T8014 12 39	WIRE HARNESS
	705G 20 61 03	R965 ASS'Y
R965	061T152M10458F	100K OHM 5%2W
	096T 29 6	SHRINK TUBE UL/CSA
	705G 20 61 08	R912 ASS'Y
R912	061T153M158 59	0.15OHM 3W
	096T 29 1	SHRINK TUBE UL/CSA
	705G 20 61 11	R931 ASS'Y
R931	061T153M228 59	0.22 OHM 3W
	096T 29 1	SHRINK TUBE UL/CSA
	705G 20 61 12	R925 ASS'Y
R925	061T153M47358F	47K OHM 5% 3W
	096T 29 8	TUBE
	705G 20 93 14	D920 ASS'Y
HS3	090T 426501	HEAT SINK
D920	093T1506 2	FMW-2156
	0M1T1730 8120	SCREW
	705G 20 93 18	BD901 ASS'Y
HS7	090T 425502	HEAT SINK
BD901	093T 50460 18	D10XB60
	0M1T1730 10120	SCREW
	705G 20 93 19	D910 ASS'Y
HS4	090T 425502	HEAT SINK
D910	093T 60217	FMB-29L
	0M1T1730 8120	SCREW
	705G 20 93 22	D918 ASS'Y
D918	093T1020 752T	UF4003PT
	096T 29 1	SHRINK TUBE UL/CSA
	705G 20 93 23	D916 ASS'Y
D916	093T1100 1052T	BA159GPT
	096T 29 1	SHRINK TUBE UL/CSA
	705G 20 93 24	D901 ASS'Y
D901	093T 5241T52T	1N5406
	096T 29 2	SHRINK TUBE UL/CSA
	705G 20 93 26	D906 ASS'Y
D906	093T1100 1052T	BA159GPT
	096T 29 1	SHRINK TUBE UL/CSA
	705G 20 93 27	D907 ASS'Y
D907	093T1100 1052T	BA159GPT
	096T 29 1	SHRINK TUBE UL/CSA
	705G 20 93 28	D917 ASS'Y
D917	093T1100 1052T	BA159GPT
	096T 29 1	SHRINK TUBE UL/CSA
	705G 23 93 15	IC101 ASS'Y
IC101	056T 563 54	SI-8120S
HS5	090T 426500	HEAT SINK
D931	093T 60245	SP10150
D932	093T 60245	SP10150
	0M1T1730 8120	SCREW
	705G780K 57 14	Q902 ASS'Y
Q902	057T 600 35	STP8NK80ZFP BY ST TO-220FP
	0M1T1730 8120	SCREW
HS2	Q90T 425700	HEAT SINK
	705TQ757002	D902/Q901 ASS'Y

Q901	057T 667 24	STP20NM60 FP
HS1	090T 425501	HEAT SINK
D902	093T 220 23	DIODE FMX-G26S TO-220 SANKEN
	0M1T1730 8120	SCREW
	SAD24150B1D1P	SMT ASS'Y
IC931	056T 192 16	FP130KR-LF
IC902	056T 379 57	NCP1377BDR2G S0IC-8
IC901	056T 538 6	FA5500AN
Q923	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q921	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q915	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q913	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q102	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q101	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q912	057T 417 6	PMBS3906/PHILIPS-SMT
Q914	057T 417 6	PMBS3906/PHILIPS-SMT
Q910	057T 417 6	PMBS3906/PHILIPS-SMT
Q916	057T 760 5	DTC144WKA BY FOHM SMT
Q907	057T 763 3	AO4411L SO-8 BY AOS SMT
R953	061T0603102	CHIP 1K OHM 1/16W
R952	061T0603102	CHIP 1K OHM 1/16W
R951	061T0603102	CHIP 1K OHM 1/16W
R950	061T0603102	CHIP 1K OHM 1/16W
R954	061T0603243	RST CHIPR 24 KOHM +-5% 1/10W
R978	061T0805000	RST CHIPR 0 OHM +-5% 1/8W
R922	061T0805000	RST CHIPR 0 OHM +-5% 1/8W
R908	061T0805000	RST CHIPR 0 OHM +-5% 1/8W
R943	061T0805000	RST CHIPR 0 OHM +-5% 1/8W
R945	061T0805000	RST CHIPR 0 OHM +-5% 1/8W
R906	061T0805100 2F	RST CHIPR 10 KOHM +-1% 1/8W
R919	061T0805100 2F	RST CHIPR 10 KOHM +-1% 1/8W
R983	061T0805100 2F	RST CHIPR 10 KOHM +-1% 1/8W
R981	061T0805100 2F	RST CHIPR 10 KOHM +-1% 1/8W
R984	061T0805101	RST CHIPR 100 OHM +-5% 1/8W
R930	061T0805101	RST CHIPR 100 OHM +-5% 1/8W
R105	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R980	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R986	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R993	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R995	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R932	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R927	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R921	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R914	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R944	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R985	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R104	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R973	061T0805104	RST CHIPR 100 KOHM +-5% 1/8W
R947	061T0805150 1F	RST CHIPR 1.5 KOHM +-1% 1/8W
R946	061T0805150 2F	RST CHIPR 15 KOHM +-1% 1/8W
R102	061T0805151	RST CHIPR 150 OHM +-5% 1/8W
R101	061T0805151	RST CHIPR 150 OHM +-5% 1/8W
R994	061T0805152	RST CHIPR 1.5 KOHM +-5% 1/8W
R974	061T0805163	RST CHIPR 16 KOHM +-5% 1/8W

R918	061T0805180 2F	RST CHIPR 18 KOHM +-1% 1/8W
R977	061T0805202	RST CHIPR 2 KOHM +-5% 1/8W
R942	061T0805202	RST CHIPR 2 KOHM +-5% 1/8W
R949	061T0805203	RST CHIPR 20 KOHM +-5% 1/8W
R935	061T0805203	RST CHIPR 20 KOHM +-5% 1/8W
R926	061T0805203	RST CHIPR 20 KOHM +-5% 1/8W
R982	061T0805204	RST CHIPR 200 KOHM +-5% 1/8W
R928	061T0805220	RST CHIPR 22 OHM +-5% 1/8W
R987	061T0805333	RST CHIPR 33 KOHM +-5% 1/8W
R990	061T0805430 2F	RST CHIPR 43 KOHM +-1% 1/8W
R909	061T0805470	RST CHIPR 47 OHM +-5% 1/8W
R911	061T0805471	RST CHIPR 470 OHM +-5% 1/8W
R971	061T0805472	RST CHIPR 4.7 KOHM +-5% 1/8W
R972	061T0805472	RST CHIPR 4.7 KOHM +-5% 1/8W
R988	061T0805472	RST CHIPR 4.7 KOHM +-5% 1/8W
R907	061T0805683	RST CHIPR 68 KOHM +-5% 1/8W
R905	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R920	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R999	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R998	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R997	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R103	061T1206102	RST CHIPR 1 KOHM +-5% 1/4W
R917	061T1206334	RST CHIPR 330 KOHM +-5% 1/4W
R915	061T1206334	RST CHIPR 330 KOHM +-5% 1/4W
R916	061T1206334	RST CHIPR 330 KOHM +-5% 1/4W
R900	061T1206394	RST CHIPR 390 KOHM +-5% 1/4W
R901	061T1206394	RST CHIPR 390 KOHM +-5% 1/4W
R902	061T1206394	RST CHIPR 390 KOHM +-5% 1/4W
R991	061T1206471	RST CHIPR 470 OHM +-5% 1/4W
R992	061T1206471	RST CHIPR 470 OHM +-5% 1/4W
R970	061T1206519	RST CHIPR 5.1 OHM +-5% 1/4W
R904	061T1206624	RST CHIPR 620 KOHM +-5% 1/4W
R903	061T1206624	RST CHIPR 620 KOHM +-5% 1/4W
C970	065T0603104 32	CHIP 0.1UF 50V X7R
C918	065T0805102 32	CHIP 1000PF 50V X7R 0805
C915	065T0805103 32	10NF/50V/0805/X7R
C962	065T0805104 32	CHIP 0.1UF 50V X7R
C963	065T0805104 32	CHIP 0.1UF 50V X7R
C966	065T0805104 32	CHIP 0.1UF 50V X7R
C968	065T0805104 32	CHIP 0.1UF 50V X7R
C969	065T0805104 32	CHIP 0.1UF 50V X7R
C972	065T0805104 32	CHIP 0.1UF 50V X7R
C973	065T0805104 32	CHIP 0.1UF 50V X7R
C975	065T0805104 32	CHIP 0.1UF 50V X7R
C976	065T0805104 32	CHIP 0.1UF 50V X7R
C977	065T0805104 32	CHIP 0.1UF 50V X7R
C978	065T0805104 32	CHIP 0.1UF 50V X7R
C979	065T0805104 32	CHIP 0.1UF 50V X7R
C980	065T0805104 32	CHIP 0.1UF 50V X7R
C981	065T0805104 32	CHIP 0.1UF 50V X7R
C982	065T0805104 32	CHIP 0.1UF 50V X7R
C983	065T0805104 32	CHIP 0.1UF 50V X7R
C984	065T0805104 32	CHIP 0.1UF 50V X7R
C101	065T0805104 32	CHIP 0.1UF 50V X7R

C103	065T0805104 32	CHIP 0.1UF 50V X7R
C104	065T0805104 32	CHIP 0.1UF 50V X7R
C914	065T0805104 32	CHIP 0.1UF 50V X7R
C925	065T0805104 32	CHIP 0.1UF 50V X7R
C936	065T0805104 32	CHIP 0.1UF 50V X7R
C943	065T0805104 32	CHIP 0.1UF 50V X7R
C944	065T0805104 32	CHIP 0.1UF 50V X7R
C952	065T0805104 32	CHIP 0.1UF 50V X7R
C960	065T0805104 32	CHIP 0.1UF 50V X7R
C961	065T0805104 32	CHIP 0.1UF 50V X7R
C967	065T0805105 22	CHIP 1UF 25V X7R 0805
C916	065T0805221 31	220PF 50V NPO
C953	065T0805224 22	CAIP CAP 0.22 UF 25V X7R
C927	065T0805471 31	CHIP 470PF 50V NPO
C926	065T0805471 31	CHIP 470PF 50V NPO
C954	065T0805472 21 GP	CHIP 0.0047UF 25V NPO 0805
C917	065T0805474 22	CHIP 0.47UF 25V X7R
C964	065T0805475 15	CHIP 4.7UF 16V X5R
C923	065T0805820 31	82PF
D922	093T 6432S	IN4148W
D921	093T 6432S	IN4148W
D919	093T 6432S	IN4148W
D915	093T 6432S	IN4148W
D914	093T 6432S	IN4148W
D913	093T 6432S	IN4148W
D909	093T 6432S	IN4148W
D908	093T 6432S	IN4148W
D903	093T 6432S	IN4148W
ZD909	093T 39S 15 T	RLZ15B
ZD901	093T 39S 17 T	RLZ12B LLDS
ZD906	093T 39S 24 T	RLZ 5.6B LLDS
ZD910	093T 39S 44 T	RLZ18B
D101	093T5004 1	SR54 T0-214AA
	715T1624 1	POWER BOARD PCB
L903	006T 31500	EYELET
T901	006T 31500	EYELET
T902	006T 31500	EYELET
L902	006T 31502	1.5MM RIVET
C911	006T 31502	1.5MM RIVET
C910	006T 31502	1.5MM RIVET
R912	006T 31502	1.5MM RIVET
R931	006T 31502	1.5MM RIVET
L901	006T 31502	1.5MM RIVET
NR901	006T 31502	1.5MM RIVET
IC922	056T 158 10 T	IC AZ431AZ-AE1 TO-92 AAC
IC921	056T 158 10 T	IC AZ431AZ-AE1 TO-92 AAC
SCR901	057T 566 4	MCR100-6SCR
R979	061T 60210352T	CFR 10KOHM +-5% 1/6W
J916	061T 60233152T	330 OHM +-5% 1/6W
R976	061T 60247152T	470OHM +-5% 1/6W
R941	061T 60247152T	470OHM +-5% 1/6W
C950	065T 1K102 5T6921	1000PF/1KV
C965	065T 1K102 5T6921	1000PF/1KV
C922	065T 1K222 2T6921	0.0022UF 1KV +-10%

C956	067T 2151007NT	10UF 50V NCC 5*11MM
C955	067T 2151007NT	10UF 50V NCC 5*11MM
C928	067T 2152207NT	KY50VB22M-TP5 5*11
C913	067T 2152207NT	KY50VB22M-TP5 5*11
C920	067T 2152207NT	KY50VB22M-TP5 5*11
C951	067T 2154707NT	47UF 50V NCC 5*11MM
C924	067T 2154707NT	47UF 50V NCC 5*11MM
J924	071T 55 19 T	FERRITE BEAD D9X3. 5X0.8
J923	071T 55 19 T	FERRITE BEAD D9X3. 5X0.8
L908	071T 55 19 T	FERRITE BEAD D9X3. 5X0.8
F902	084T 55 2	FUSE
F901	084T 55 4	FUSE 382-5A 250V WICKMANN
ZD904	093T 3916652T	MTZJ T-72 15B
ZD905	093T 3916652T	MTZJ T-72 15B
ZD903	093T 3917052T	MTZJT-72 27B
D923	093T 64 1152T	1N4148
J931	095T 90 23	JUMP WIRE
J930	095T 90 23	JUMP WIRE
J929	095T 90 23	JUMP WIRE
J928	095T 90 23	JUMP WIRE
J927	095T 90 23	JUMP WIRE
J926	095T 90 23	JUMP WIRE
J925	095T 90 23	JUMP WIRE
J922	095T 90 23	JUMP WIRE
J921	095T 90 23	JUMP WIRE
J920	095T 90 23	JUMP WIRE
J932	095T 90 23	JUMP WIRE
J933	095T 90 23	JUMP WIRE
J934	095T 90 23	JUMP WIRE
J935	095T 90 23	JUMP WIRE
J939	095T 90 23	JUMP WIRE
R989	095T 90 23	JUMP WIRE
J914	095T 90 23	JUMP WIRE
J943	095T 90 23	JUMP WIRE
J942	095T 90 23	JUMP WIRE
L909	095T 90 23	JUMP WIRE
L910	095T 90 23	JUMP WIRE
J901	095T 90 23	JUMP WIRE
J904	095T 90 23	JUMP WIRE
J905	095T 90 23	JUMP WIRE
J906	095T 90 23	JUMP WIRE
J907	095T 90 23	JUMP WIRE
J908	095T 90 23	JUMP WIRE
J909	095T 90 23	JUMP WIRE
J910	095T 90 23	JUMP WIRE
J919	095T 90 23	JUMP WIRE
J918	095T 90 23	JUMP WIRE
J917	095T 90 23	JUMP WIRE
J915	095T 90 23	JUMP WIRE
J913	095T 90 23	JUMP WIRE
J912	095T 90 23	JUMP WIRE
J911	095T 90 23	JUMP WIRE
	CBPFD5KGGDLJP	MAIN BOARD
CN703	033T3802 9	WAFER PH-9

CN701	033T3802 12	WAFER PH-12
CN1	033T3802 13	WAFER PH-13
CN707	033T3802 2H	WAFER 2P RIGHT ANGLE
CN706	033T3802 3H	WAFER 3P RIGHT ANGLE
CN710	033T3802 4H	WAFER 4P RIGHT ANGLE
CN705	033T8027 10	WAFER 10P 2.0MM DIP
CN702	033T8043 20 H	PIN HEADRER 20P 2.0MM
	040T 45762412B	CBPC LABEL
C607	067T215V102 3N	EC 1000UF 16V NCC KY16VB
L31	073T 5410110T	PEAKING COIL 100UH 10% 1/4W
L720	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03
L713	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03
J3	088T 78 13 9C	RCA JACK
J4	088T 78 1320C	RCA JACK
J100	088T 78 1321C	RCA JACK 1*1 W/R
J2	088T 78 1323C	RCA JACK 1+2 W+R/Y
CN401	088T 30214K	PHONE JACK
CN140	088T 358 39 HC	DVI/D-SUB
MTG U301	090T 372 1	HEAT SINK
X2	093T 2268B J	18.432MHZ
X300	093T 2280B	19.6608MHZ/22PF/49US
CN3	095T8014 11503	11 PIN WIRE HARNESS
	705T DF5 56 01	U603 ASS'Y
U603	056T 535 5	TDA7266
U603	090T 376700	HEAT SINK
U603	0M1T1730 10120	SCREW
	705T DF5 61 01	R753 ASS'Y
R753	061T153M200 59	20 OHM 5% 3%
	096T 29 1	SHRINK TUBE UL/CSA
	705T DF5 61 02	R754 ASS'Y
R754	061T153M200 59	20 OHM 5% 3%
	096T 29 1	SHRINK TUBE UL/CSA
	705T DF5 61 03	R787 ASS'Y
R787	061T153M689 59	6.8 OHM 5% 3W
	096T 29 1	SHRINK TUBE UL/CSA
	040T 457624 1B	CPU LABEL
U706	056T 133 30AAC	IC AZ1117H-ADJ-E1
U11	056T 133 30AAC	IC AZ1117H-ADJ-E1
U6	056T 133 30AAC	IC AZ1117H-ADJ-E1
U701	056T 212 5	LM324DT
U708	056T 563 27	AIC1117A-18PY SOT223 AIC
U709	056T 563 31	AZ1117D-1.8E1 TO-252
U710	056T 563 44	AME8815BEGT 250Z SOP-223
U9	056T 563 55	AME8815AECS500Z TO-252
U700	056T 585 4	AIC1117-33PY ANALOG
U705	056T 585 4	AIC1117-33PY ANALOG
U707	056T 585 4	AIC1117-33PY ANALOG
U12	056T 593 10	MSP4440G-QA-C13 PMQFP80-11
U2	056T 614 1	IC 74HC4052D PHILIPS
U502	056T 61550A	IC HY5DU561622ETP-4 TSOPII-66
U503	056T 61550A	IC HY5DU561622ETP-4 TSOPII-66
U600	056T 616 3	PT2308S SO-8 PTC
U601	056T 616 3	PT2308S SO-8 PTC
U1	056T 625 1	NJM-2244M-TE1/JRC

U3	056T 625 1	NJM-2244M-TE1/JRC
U5	056T 625 1B	MM 1228
U103	056T 642 3	SII1169CTU TQFP-100
U303	056T 643 9	EM6353BZ2SP3B-2.9
U501	056T 7SB157 F	IC NC7SB3157P6X_NL
U7	056T1125168 X	AD1941YSTZRL
U301	056T1126 9	FLI8532-BD-LF PBGA416
U100	056T113334A	IC 24LC02B/SNG SOIC-8 MICROCHIP
U400	056T113334A	IC 24LC02B/SNG SOIC-8 MICROCHIP
U300	056T113353A	M24C32-WMN6TP
U500	056T1133711DE1	S29AL008D70TF1010
U401	056T4LVC 14 P	74LVC14ADT
U4	056T566N600	NDC7002N SOT-6 FAIRCHILD
Q710	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q705	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q704	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q703	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q701	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q600	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q301	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q718	057T 417 6	PMBS3906/PHILIPS-SMT
Q719	057T 417 6	PMBS3906/PHILIPS-SMT
Q720	057T 417 6	PMBS3906/PHILIPS-SMT
Q721	057T 417 6	PMBS3906/PHILIPS-SMT
Q711	057T 763 1	A03401L SOT23 BY AOS
Q702	057T 763 3	AO4411L SO-8 BY AOS SMT
Q5	057T 766 1	2SA1037AK BY ROHM
Q4	057T 766 1	2SA1037AK BY ROHM
Q3	057T 766 1	2SA1037AK BY ROHM
Q2	057T 766 1	2SA1037AK BY ROHM
Q1	057T 766 1	2SA1037AK BY ROHM
RP501	061T 125103 8	RST CHIP AR 8P4R 10KOHM +-5% 1/16W
RP500	061T 125103 8	RST CHIP AR 8P4R 10KOHM +-5% 1/16W
RP104	061T 125104 8	RST CHIP AR 8P4R 100 KOHM +-5% 1/16W
RP103	061T 125104 8	RST CHIP AR 8P4R 100 KOHM +-5% 1/16W
RP102	061T 125104 8	RST CHIP AR 8P4R 100 KOHM +-5% 1/16W
RP101	061T 125104 8	RST CHIP AR 8P4R 100 KOHM +-5% 1/16W
RP309	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP310	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP312	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP313	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP315	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP308	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP306	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP305	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP304	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP303	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP302	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP301	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
RP300	061T 125330 8	RST CHIP AR 8P4R 33 OHM +-5% 1/16W
R526	061T0603000	CHIP 0OHM 1/16W
R528	061T0603000	CHIP 0OHM 1/16W
R529	061T0603000	CHIP 0OHM 1/16W
R533	061T0603000	CHIP 0OHM 1/16W

R534	061T0603000	CHIP 0OHM 1/16W
R600	061T0603000	CHIP 0OHM 1/16W
R601	061T0603000	CHIP 0OHM 1/16W
R627	061T0603000	CHIP 0OHM 1/16W
R51	061T0603000	CHIP 0OHM 1/16W
R422	061T0603000	CHIP 0OHM 1/16W
R421	061T0603000	CHIP 0OHM 1/16W
R40	061T0603000	CHIP 0OHM 1/16W
R361	061T0603000	CHIP 0OHM 1/16W
R363	061T0603000	CHIP 0OHM 1/16W
R364	061T0603000	CHIP 0OHM 1/16W
R37	061T0603000	CHIP 0OHM 1/16W
R39	061T0603000	CHIP 0OHM 1/16W
R628	061T0603000	CHIP 0OHM 1/16W
R823	061T0603000	CHIP 0OHM 1/16W
R822	061T0603000	CHIP 0OHM 1/16W
R821	061T0603000	CHIP 0OHM 1/16W
R820	061T0603000	CHIP 0OHM 1/16W
R99	061T0603000	CHIP 0OHM 1/16W
R90	061T0603000	CHIP 0OHM 1/16W
R87	061T0603000	CHIP 0OHM 1/16W
R86	061T0603000	CHIP 0OHM 1/16W
R815	061T0603000	CHIP 0OHM 1/16W
R781	061T0603000	CHIP 0OHM 1/16W
R779	061T0603000	CHIP 0OHM 1/16W
R776	061T0603000	CHIP 0OHM 1/16W
R773	061T0603000	CHIP 0OHM 1/16W
R771	061T0603000	CHIP 0OHM 1/16W
R770	061T0603000	CHIP 0OHM 1/16W
R750	061T0603000	CHIP 0OHM 1/16W
R710	061T0603000	CHIP 0OHM 1/16W
R300	061T0603000	CHIP 0OHM 1/16W
R225	061T0603000	CHIP 0OHM 1/16W
R224	061T0603000	CHIP 0OHM 1/16W
R223	061T0603000	CHIP 0OHM 1/16W
R222	061T0603000	CHIP 0OHM 1/16W
R221	061T0603000	CHIP 0OHM 1/16W
R220	061T0603000	CHIP 0OHM 1/16W
R215	061T0603000	CHIP 0OHM 1/16W
R213	061T0603000	CHIP 0OHM 1/16W
R212	061T0603000	CHIP 0OHM 1/16W
R209	061T0603000	CHIP 0OHM 1/16W
R162	061T0603000	CHIP 0OHM 1/16W
R160	061T0603000	CHIP 0OHM 1/16W
R157	061T0603000	CHIP 0OHM 1/16W
R155	061T0603000	CHIP 0OHM 1/16W
R358	061T0603000	CHIP 0OHM 1/16W
R353	061T0603000	CHIP 0OHM 1/16W
R352	061T0603000	CHIP 0OHM 1/16W
R351	061T0603000	CHIP 0OHM 1/16W
R350	061T0603000	CHIP 0OHM 1/16W
R349	061T0603000	CHIP 0OHM 1/16W
R348	061T0603000	CHIP 0OHM 1/16W
R347	061T0603000	CHIP 0OHM 1/16W

R328	061T0603000	CHIP 00HM 1/16W
R326	061T0603000	CHIP 00HM 1/16W
R320	061T0603000	CHIP 00HM 1/16W
R319	061T0603000	CHIP 00HM 1/16W
R306	061T0603000	CHIP 00HM 1/16W
R305	061T0603000	CHIP 00HM 1/16W
R301	061T0603000	CHIP 00HM 1/16W
R138	061T0603100	CHIP 100HM 1/16W
R137	061T0603100	CHIP 100HM 1/16W
R136	061T0603100	CHIP 100HM 1/16W
R144	061T0603100	CHIP 100HM 1/16W
R139	061T0603100	CHIP 100HM 1/16W
R140	061T0603100	CHIP 100HM 1/16W
R141	061T0603100	CHIP 100HM 1/16W
R143	061T0603100	CHIP 100HM 1/16W
R745	061T0603101	CHIP 1000HM 1/16W
R420	061T0603101	CHIP 1000HM 1/16W
R419	061T0603101	CHIP 1000HM 1/16W
R318	061T0603101	CHIP 1000HM 1/16W
R803	061T0603101	CHIP 1000HM 1/16W
R802	061T0603101	CHIP 1000HM 1/16W
R801	061T0603101	CHIP 1000HM 1/16W
R800	061T0603101	CHIP 1000HM 1/16W
R746	061T0603101	CHIP 1000HM 1/16W
R205	061T0603101	CHIP 1000HM 1/16W
R204	061T0603101	CHIP 1000HM 1/16W
R203	061T0603101	CHIP 1000HM 1/16W
R202	061T0603101	CHIP 1000HM 1/16W
R619	061T0603102	CHIP 1K OHM 1/16W
R623	061T0603102	CHIP 1K OHM 1/16W
R631	061T0603102	CHIP 1K OHM 1/16W
R632	061T0603102	CHIP 1K OHM 1/16W
R703	061T0603102	CHIP 1K OHM 1/16W
R72	061T0603102	CHIP 1K OHM 1/16W
R73	061T0603102	CHIP 1K OHM 1/16W
R74	061T0603102	CHIP 1K OHM 1/16W
R75	061T0603102	CHIP 1K OHM 1/16W
R76	061T0603102	CHIP 1K OHM 1/16W
R609	061T0603102	CHIP 1K OHM 1/16W
R608	061T0603102	CHIP 1K OHM 1/16W
R208	061T0603102	CHIP 1K OHM 1/16W
R207	061T0603102	CHIP 1K OHM 1/16W
R146	061T0603102	CHIP 1K OHM 1/16W
R511	061T0603103	CHIP 10KOHM 1/16W
R512	061T0603103	CHIP 10KOHM 1/16W
R513	061T0603103	CHIP 10KOHM 1/16W
R514	061T0603103	CHIP 10KOHM 1/16W
R515	061T0603103	CHIP 10KOHM 1/16W
R517	061T0603103	CHIP 10KOHM 1/16W
R56	061T0603103	CHIP 10KOHM 1/16W
R604	061T0603103	CHIP 10KOHM 1/16W
R607	061T0603103	CHIP 10KOHM 1/16W
R510	061T0603103	CHIP 10KOHM 1/16W
R509	061T0603103	CHIP 10KOHM 1/16W

R508	061T0603103	CHIP 10KOHM 1/16W
R507	061T0603103	CHIP 10KOHM 1/16W
R500	061T0603103	CHIP 10KOHM 1/16W
R502	061T0603103	CHIP 10KOHM 1/16W
R504	061T0603103	CHIP 10KOHM 1/16W
R505	061T0603103	CHIP 10KOHM 1/16W
R506	061T0603103	CHIP 10KOHM 1/16W
R614	061T0603103	CHIP 10KOHM 1/16W
R759	061T0603103	CHIP 10KOHM 1/16W
R760	061T0603103	CHIP 10KOHM 1/16W
R761	061T0603103	CHIP 10KOHM 1/16W
R762	061T0603103	CHIP 10KOHM 1/16W
R763	061T0603103	CHIP 10KOHM 1/16W
R751	061T0603103	CHIP 10KOHM 1/16W
R749	061T0603103	CHIP 10KOHM 1/16W
R717	061T0603103	CHIP 10KOHM 1/16W
R716	061T0603103	CHIP 10KOHM 1/16W
R713	061T0603103	CHIP 10KOHM 1/16W
R712	061T0603103	CHIP 10KOHM 1/16W
R706	061T0603103	CHIP 10KOHM 1/16W
R630	061T0603103	CHIP 10KOHM 1/16W
R629	061T0603103	CHIP 10KOHM 1/16W
R626	061T0603103	CHIP 10KOHM 1/16W
R625	061T0603103	CHIP 10KOHM 1/16W
R621	061T0603103	CHIP 10KOHM 1/16W
R615	061T0603103	CHIP 10KOHM 1/16W
R329	061T0603103	CHIP 10KOHM 1/16W
R32	061T0603103	CHIP 10KOHM 1/16W
R315	061T0603103	CHIP 10KOHM 1/16W
R314	061T0603103	CHIP 10KOHM 1/16W
R313	061T0603103	CHIP 10KOHM 1/16W
R309	061T0603103	CHIP 10KOHM 1/16W
R164	061T0603103	CHIP 10KOHM 1/16W
R163	061T0603103	CHIP 10KOHM 1/16W
R153	061T0603103	CHIP 10KOHM 1/16W
R145	061T0603103	CHIP 10KOHM 1/16W
R142	061T0603103	CHIP 10KOHM 1/16W
R11	061T0603103	CHIP 10KOHM 1/16W
R104	061T0603103	CHIP 10KOHM 1/16W
R103	061T0603103	CHIP 10KOHM 1/16W
R102	061T0603103	CHIP 10KOHM 1/16W
R101	061T0603103	CHIP 10KOHM 1/16W
R418	061T0603103	CHIP 10KOHM 1/16W
R417	061T0603103	CHIP 10KOHM 1/16W
R415	061T0603103	CHIP 10KOHM 1/16W
R413	061T0603103	CHIP 10KOHM 1/16W
R401	061T0603103	CHIP 10KOHM 1/16W
R367	061T0603103	CHIP 10KOHM 1/16W
R366	061T0603103	CHIP 10KOHM 1/16W
R360	061T0603103	CHIP 10KOHM 1/16W
R33	061T0603103	CHIP 10KOHM 1/16W
R330	061T0603103	CHIP 10KOHM 1/16W
R345	061T0603103	CHIP 10KOHM 1/16W
R346	061T0603103	CHIP 10KOHM 1/16W

R355	061T0603103	CHIP 10KOHM 1/16W
R356	061T0603103	CHIP 10KOHM 1/16W
R357	061T0603103	CHIP 10KOHM 1/16W
R36	061T0603103	CHIP 10KOHM 1/16W
R709	061T0603104	CHIP 100K OHM 1/16W
R402	061T0603104	CHIP 100K OHM 1/16W
R152	061T0603104	CHIP 100K OHM 1/16W
R149	061T0603104	CHIP 100K OHM 1/16W
R199	061T0603105	CHIP 1MOHM 1/16W
R200	061T0603105	CHIP 1MOHM 1/16W
R804	061T0603105	CHIP 1MOHM 1/16W
R805	061T0603105	CHIP 1MOHM 1/16W
R806	061T0603105	CHIP 1MOHM 1/16W
R807	061T0603105	CHIP 1MOHM 1/16W
R198	061T0603105	CHIP 1MOHM 1/16W
R197	061T0603105	CHIP 1MOHM 1/16W
R201	061T0603122	RST CHIPR 1.2 KOHM +-5% 1/10W
R715	061T0603153	RST CHIPR 15 KOHM +-5% 1/10W
R766	061T0603182	CHIP 1.8K OHM 1/16W
R8	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R7	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R6	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R9	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R88	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R5	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R408	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R407	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R406	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R17	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R16	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R15	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R14	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R12	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R10	061T0603200	RST CHIPR 20 OHM +-5% 1/10W
R57	061T0603220	CHIP 22OHM 1/16W
R58	061T0603220	CHIP 22OHM 1/16W
R59	061T0603220	CHIP 22OHM 1/16W
R60	061T0603220	CHIP 22OHM 1/16W
R61	061T0603220	CHIP 22OHM 1/16W
R196	061T0603221	CHIP 220OHM 1/16W
R150	061T0603222	CHIP 2.2K OHM 1/16W
R151	061T0603222	CHIP 2.2K OHM 1/16W
R702	061T0603223	CHIP 22KOHM 1/16W
R741	061T0603223	CHIP 22KOHM 1/16W
R66	061T0603224	RST CHIPR 220 KOHM +-5% 1/10W
R65	061T0603224	RST CHIPR 220 KOHM +-5% 1/10W
R64	061T0603224	RST CHIPR 220 KOHM +-5% 1/10W
R63	061T0603224	RST CHIPR 220 KOHM +-5% 1/10W
R62	061T0603224	RST CHIPR 220 KOHM +-5% 1/10W
R726	061T0603240 0F	RST CHIPR 240 OHM +-1% 1/10W
R354	061T0603272	CHIP 2.7KOHM 1/16W
R311	061T0603272	CHIP 2.7KOHM 1/16W
R310	061T0603272	CHIP 2.7KOHM 1/16W
R218	061T0603272	CHIP 2.7KOHM 1/16W

R519	061T0603280 0F	RST CHIPR 280 OHM +-1% 1/10W
R518	061T0603280 0F	RST CHIPR 280 OHM +-1% 1/10W
R135	061T0603301	RST CHIPR 300OHM +-5% 1/10W
R134	061T0603301	RST CHIPR 300OHM +-5% 1/10W
R133	061T0603301	RST CHIPR 300OHM +-5% 1/10W
R132	061T0603301	RST CHIPR 300OHM +-5% 1/10W
L108	061T0603330	CHIP 330HM 1/16W
L110	061T0603330	CHIP 330HM 1/16W
R414	061T0603330	CHIP 330HM 1/16W
R412	061T0603330	CHIP 330HM 1/16W
R344	061T0603330	CHIP 330HM 1/16W
R343	061T0603330	CHIP 330HM 1/16W
R342	061T0603330	CHIP 330HM 1/16W
R341	061T0603330	CHIP 330HM 1/16W
R340	061T0603330	CHIP 330HM 1/16W
R339	061T0603330	CHIP 330HM 1/16W
R338	061T0603330	CHIP 330HM 1/16W
R337	061T0603330	CHIP 330HM 1/16W
R302	061T0603330	CHIP 330HM 1/16W
R131	061T0603331	RST CHIPR 330 OHM +-5% 1/10W
R808	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R727	061T0603390 0F	RST CHIPR 390 OHM +-1% 1/10W
R606	061T0603392	CHIP 3.9KOHM 1/16W
R605	061T0603392	CHIP 3.9KOHM 1/16W
R603	061T0603392	CHIP 3.9KOHM 1/16W
R602	061T0603392	CHIP 3.9KOHM 1/16W
R189	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R188	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R187	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R186	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R185	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R184	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R183	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R182	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R711	061T0603472	CHIP 4.7KOHM 1/16W
R154	061T0603472	CHIP 4.7KOHM 1/16W
R718	061T0603472	CHIP 4.7KOHM 1/16W
R764	061T0603472	CHIP 4.7KOHM 1/16W
R765	061T0603472	CHIP 4.7KOHM 1/16W
R147	061T0603472	CHIP 4.7KOHM 1/16W
R814	061T0603473	CHIP 47KOHM 1/16W
R813	061T0603473	CHIP 47KOHM 1/16W
R742	061T0603473	CHIP 47KOHM 1/16W
R663	061T0603473	CHIP 47KOHM 1/16W
R635	061T0603473	CHIP 47KOHM 1/16W
R634	061T0603473	CHIP 47KOHM 1/16W
R633	061T0603473	CHIP 47KOHM 1/16W
R55	061T0603473	CHIP 47KOHM 1/16W
R54	061T0603473	CHIP 47KOHM 1/16W
R53	061T0603473	CHIP 47KOHM 1/16W
R52	061T0603473	CHIP 47KOHM 1/16W
R424	061T0603473	CHIP 47KOHM 1/16W
R423	061T0603473	CHIP 47KOHM 1/16W
R167	061T0603473	CHIP 47KOHM 1/16W

R166	061T0603473	CHIP 47KOHM 1/16W
R810	061T0603474	RST CHIPR 470 KOHM +-5% 1/10W
R809	061T0603474	RST CHIPR 470 KOHM +-5% 1/10W
R829	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R825	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R830	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R1	061T0603576 9F	RST CHIPR 57.6 OHM +-1% 1/10W
R2	061T0603576 9F	RST CHIPR 57.6 OHM +-1% 1/10W
R3	061T0603576 9F	RST CHIPR 57.6 OHM +-1% 1/10W
R4	061T0603576 9F	RST CHIPR 57.6 OHM +-1% 1/10W
R743	061T0603681	RST CHIPR 680 OHM +-5% 1/10W
R744	061T0603681	RST CHIPR 680 OHM +-5% 1/10W
R26	061T0603750	75OHM
R27	061T0603750	75OHM
R28	061T0603750	75OHM
R29	061T0603750	75OHM
R30	061T0603750	75OHM
R31	061T0603750	75OHM
R409	061T0603750	75OHM
R410	061T0603750	75OHM
R411	061T0603750	75OHM
R82	061T0603750	75OHM
R83	061T0603750	75OHM
R89	061T0603750	75OHM
R13	061T0603750	75OHM
R18	061T0603750	75OHM
R19	061T0603750	75OHM
R20	061T0603750	75OHM
R21	061T0603750	75OHM
R22	061T0603750	75OHM
R23	061T0603750	75OHM
R24	061T0603750	75OHM
R25	061T0603750	75OHM
R835	061T0603822	RST CHIPR 8.2 KOHM +-5% 1/10W
R834	061T0603822	RST CHIPR 8.2 KOHM +-5% 1/10W
R833	061T0603822	RST CHIPR 8.2 KOHM +-5% 1/10W
R531	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R700	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R714	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R725	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R739	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R71	061T1206221	RST CHIPR 220 OHM +-5% 1/4W
R70	061T1206221	RST CHIPR 220 OHM +-5% 1/4W
R69	061T1206221	RST CHIPR 220 OHM +-5% 1/4W
R68	061T1206221	RST CHIPR 220 OHM +-5% 1/4W
R67	061T1206221	RST CHIPR 220 OHM +-5% 1/4W
R106	061T1206221	RST CHIPR 220 OHM +-5% 1/4W
R105	061T1206221	RST CHIPR 220 OHM +-5% 1/4W
R81	061T1206680	RST CHIPR 68 OHM +-5% 1/4W
R80	061T1206680	RST CHIPR 68 OHM +-5% 1/4W
R79	061T1206680	RST CHIPR 68 OHM +-5% 1/4W
R78	061T1206680	RST CHIPR 68 OHM +-5% 1/4W
R77	061T1206680	RST CHIPR 68 OHM +-5% 1/4W
C166	065T0603101 32	CHIP 100PF 50V X7R

C388	065T0603101 32	CHIP 100PF 50V X7R
C393	065T0603101 32	CHIP 100PF 50V X7R
C52	065T0603101 32	CHIP 100PF 50V X7R
C53	065T0603101 32	CHIP 100PF 50V X7R
C54	065T0603101 32	CHIP 100PF 50V X7R
C60	065T0603101 32	CHIP 100PF 50V X7R
C621	065T0603101 32	CHIP 100PF 50V X7R
C630	065T0603101 32	CHIP 100PF 50V X7R
C64	065T0603101 32	CHIP 100PF 50V X7R
C65	065T0603101 32	CHIP 100PF 50V X7R
C66	065T0603101 32	CHIP 100PF 50V X7R
C145	065T0603101 32	CHIP 100PF 50V X7R
C146	065T0603101 32	CHIP 100PF 50V X7R
C147	065T0603101 32	CHIP 100PF 50V X7R
C160	065T0603101 32	CHIP 100PF 50V X7R
C161	065T0603101 32	CHIP 100PF 50V X7R
C162	065T0603101 32	CHIP 100PF 50V X7R
C163	065T0603101 32	CHIP 100PF 50V X7R
C260	065T0603102 32	CHIP 1000PF 50V X7R
C261	065T0603102 32	CHIP 1000PF 50V X7R
C600	065T0603102 32	CHIP 1000PF 50V X7R
C602	065T0603102 32	CHIP 1000PF 50V X7R
C604	065T0603102 32	CHIP 1000PF 50V X7R
C804	065T0603102 32	CHIP 1000PF 50V X7R
C86	065T0603102 32	CHIP 1000PF 50V X7R
C87	065T0603102 32	CHIP 1000PF 50V X7R
C88	065T0603102 32	CHIP 1000PF 50V X7R
C89	065T0603102 32	CHIP 1000PF 50V X7R
C23	065T0603102 32	CHIP 1000PF 50V X7R
C259	065T0603102 32	CHIP 1000PF 50V X7R
C258	065T0603102 32	CHIP 1000PF 50V X7R
C257	065T0603102 32	CHIP 1000PF 50V X7R
C256	065T0603102 32	CHIP 1000PF 50V X7R
C255	065T0603102 32	CHIP 1000PF 50V X7R
C254	065T0603102 32	CHIP 1000PF 50V X7R
C332	065T0603103 32	CHIP 0.01UF 50V X7R
C375	065T0603103 32	CHIP 0.01UF 50V X7R
C500	065T0603103 32	CHIP 0.01UF 50V X7R
C509	065T0603103 32	CHIP 0.01UF 50V X7R
C510	065T0603103 32	CHIP 0.01UF 50V X7R
C522	065T0603103 32	CHIP 0.01UF 50V X7R
C521	065T0603103 32	CHIP 0.01UF 50V X7R
C519	065T0603103 32	CHIP 0.01UF 50V X7R
C517	065T0603103 32	CHIP 0.01UF 50V X7R
C512	065T0603103 32	CHIP 0.01UF 50V X7R
C330	065T0603103 32	CHIP 0.01UF 50V X7R
C328	065T0603103 32	CHIP 0.01UF 50V X7R
C325	065T0603103 32	CHIP 0.01UF 50V X7R
C323	065T0603103 32	CHIP 0.01UF 50V X7R
C322	065T0603103 32	CHIP 0.01UF 50V X7R
C300	065T0603103 32	CHIP 0.01UF 50V X7R
C511	065T0603104 32	CHIP 0.1UF 50V X7R
C506	065T0603104 32	CHIP 0.1UF 50V X7R
C504	065T0603104 32	CHIP 0.1UF 50V X7R

C503	065T0603104 32	CHIP 0.1UF 50V X7R
C502	065T0603104 32	CHIP 0.1UF 50V X7R
C45	065T0603104 32	CHIP 0.1UF 50V X7R
C410	065T0603104 32	CHIP 0.1UF 50V X7R
C409	065T0603104 32	CHIP 0.1UF 50V X7R
C408	065T0603104 32	CHIP 0.1UF 50V X7R
C407	065T0603104 32	CHIP 0.1UF 50V X7R
C406	065T0603104 32	CHIP 0.1UF 50V X7R
C405	065T0603104 32	CHIP 0.1UF 50V X7R
C649	065T0603104 32	CHIP 0.1UF 50V X7R
C647	065T0603104 32	CHIP 0.1UF 50V X7R
C628	065T0603104 32	CHIP 0.1UF 50V X7R
C610	065T0603104 32	CHIP 0.1UF 50V X7R
C609	065T0603104 32	CHIP 0.1UF 50V X7R
C6	065T0603104 32	CHIP 0.1UF 50V X7R
C520	065T0603104 32	CHIP 0.1UF 50V X7R
C518	065T0603104 32	CHIP 0.1UF 50V X7R
C516	065T0603104 32	CHIP 0.1UF 50V X7R
C515	065T0603104 32	CHIP 0.1UF 50V X7R
C514	065T0603104 32	CHIP 0.1UF 50V X7R
C513	065T0603104 32	CHIP 0.1UF 50V X7R
C377	065T0603104 32	CHIP 0.1UF 50V X7R
C376	065T0603104 32	CHIP 0.1UF 50V X7R
C374	065T0603104 32	CHIP 0.1UF 50V X7R
C373	065T0603104 32	CHIP 0.1UF 50V X7R
C371	065T0603104 32	CHIP 0.1UF 50V X7R
C370	065T0603104 32	CHIP 0.1UF 50V X7R
C369	065T0603104 32	CHIP 0.1UF 50V X7R
C362	065T0603104 32	CHIP 0.1UF 50V X7R
C364	065T0603104 32	CHIP 0.1UF 50V X7R
C365	065T0603104 32	CHIP 0.1UF 50V X7R
C366	065T0603104 32	CHIP 0.1UF 50V X7R
C368	065T0603104 32	CHIP 0.1UF 50V X7R
C404	065T0603104 32	CHIP 0.1UF 50V X7R
C400	065T0603104 32	CHIP 0.1UF 50V X7R
C4	065T0603104 32	CHIP 0.1UF 50V X7R
C395	065T0603104 32	CHIP 0.1UF 50V X7R
C392	065T0603104 32	CHIP 0.1UF 50V X7R
C387	065T0603104 32	CHIP 0.1UF 50V X7R
C386	065T0603104 32	CHIP 0.1UF 50V X7R
C385	065T0603104 32	CHIP 0.1UF 50V X7R
C381	065T0603104 32	CHIP 0.1UF 50V X7R
C380	065T0603104 32	CHIP 0.1UF 50V X7R
C379	065T0603104 32	CHIP 0.1UF 50V X7R
C378	065T0603104 32	CHIP 0.1UF 50V X7R
C789	065T0603104 32	CHIP 0.1UF 50V X7R
C788	065T0603104 32	CHIP 0.1UF 50V X7R
C787	065T0603104 32	CHIP 0.1UF 50V X7R
C785	065T0603104 32	CHIP 0.1UF 50V X7R
C783	065T0603104 32	CHIP 0.1UF 50V X7R
C781	065T0603104 32	CHIP 0.1UF 50V X7R
C780	065T0603104 32	CHIP 0.1UF 50V X7R
C778	065T0603104 32	CHIP 0.1UF 50V X7R
C767	065T0603104 32	CHIP 0.1UF 50V X7R

C761	065T0603104 32	CHIP 0.1UF 50V X7R
C758	065T0603104 32	CHIP 0.1UF 50V X7R
C754	065T0603104 32	CHIP 0.1UF 50V X7R
C799	065T0603104 32	CHIP 0.1UF 50V X7R
C801	065T0603104 32	CHIP 0.1UF 50V X7R
C805	065T0603104 32	CHIP 0.1UF 50V X7R
C83	065T0603104 32	CHIP 0.1UF 50V X7R
C9	065T0603104 32	CHIP 0.1UF 50V X7R
C798	065T0603104 32	CHIP 0.1UF 50V X7R
C796	065T0603104 32	CHIP 0.1UF 50V X7R
C795	065T0603104 32	CHIP 0.1UF 50V X7R
C794	065T0603104 32	CHIP 0.1UF 50V X7R
C793	065T0603104 32	CHIP 0.1UF 50V X7R
C791	065T0603104 32	CHIP 0.1UF 50V X7R
C790	065T0603104 32	CHIP 0.1UF 50V X7R
C710	065T0603104 32	CHIP 0.1UF 50V X7R
C709	065T0603104 32	CHIP 0.1UF 50V X7R
C708	065T0603104 32	CHIP 0.1UF 50V X7R
C707	065T0603104 32	CHIP 0.1UF 50V X7R
C706	065T0603104 32	CHIP 0.1UF 50V X7R
C705	065T0603104 32	CHIP 0.1UF 50V X7R
C703	065T0603104 32	CHIP 0.1UF 50V X7R
C702	065T0603104 32	CHIP 0.1UF 50V X7R
C701	065T0603104 32	CHIP 0.1UF 50V X7R
C700	065T0603104 32	CHIP 0.1UF 50V X7R
C7	065T0603104 32	CHIP 0.1UF 50V X7R
C69	065T0603104 32	CHIP 0.1UF 50V X7R
C753	065T0603104 32	CHIP 0.1UF 50V X7R
C750	065T0603104 32	CHIP 0.1UF 50V X7R
C742	065T0603104 32	CHIP 0.1UF 50V X7R
C740	065T0603104 32	CHIP 0.1UF 50V X7R
C736	065T0603104 32	CHIP 0.1UF 50V X7R
C730	065T0603104 32	CHIP 0.1UF 50V X7R
C728	065T0603104 32	CHIP 0.1UF 50V X7R
C722	065T0603104 32	CHIP 0.1UF 50V X7R
C721	065T0603104 32	CHIP 0.1UF 50V X7R
C713	065T0603104 32	CHIP 0.1UF 50V X7R
C712	065T0603104 32	CHIP 0.1UF 50V X7R
C711	065T0603104 32	CHIP 0.1UF 50V X7R
C159	065T0603104 32	CHIP 0.1UF 50V X7R
C167	065T0603104 32	CHIP 0.1UF 50V X7R
C168	065T0603104 32	CHIP 0.1UF 50V X7R
C169	065T0603104 32	CHIP 0.1UF 50V X7R
C17	065T0603104 32	CHIP 0.1UF 50V X7R
C172	065T0603104 32	CHIP 0.1UF 50V X7R
C18	065T0603104 32	CHIP 0.1UF 50V X7R
C19	065T0603104 32	CHIP 0.1UF 50V X7R
C2	065T0603104 32	CHIP 0.1UF 50V X7R
C20	065T0603104 32	CHIP 0.1UF 50V X7R
C21	065T0603104 32	CHIP 0.1UF 50V X7R
C22	065T0603104 32	CHIP 0.1UF 50V X7R
C221	065T0603104 32	CHIP 0.1UF 50V X7R
C229	065T0603104 32	CHIP 0.1UF 50V X7R
C241	065T0603104 32	CHIP 0.1UF 50V X7R

C243	065T0603104 32	CHIP 0.1UF 50V X7R
C244	065T0603104 32	CHIP 0.1UF 50V X7R
C25	065T0603104 32	CHIP 0.1UF 50V X7R
C27	065T0603104 32	CHIP 0.1UF 50V X7R
C29	065T0603104 32	CHIP 0.1UF 50V X7R
C3	065T0603104 32	CHIP 0.1UF 50V X7R
C303	065T0603104 32	CHIP 0.1UF 50V X7R
C158	065T0603104 32	CHIP 0.1UF 50V X7R
C1	065T0603104 32	CHIP 0.1UF 50V X7R
C10	065T0603104 32	CHIP 0.1UF 50V X7R
C11	065T0603104 32	CHIP 0.1UF 50V X7R
C12	065T0603104 32	CHIP 0.1UF 50V X7R
C13	065T0603104 32	CHIP 0.1UF 50V X7R
C135	065T0603104 32	CHIP 0.1UF 50V X7R
C136	065T0603104 32	CHIP 0.1UF 50V X7R
C137	065T0603104 32	CHIP 0.1UF 50V X7R
C138	065T0603104 32	CHIP 0.1UF 50V X7R
C139	065T0603104 32	CHIP 0.1UF 50V X7R
C140	065T0603104 32	CHIP 0.1UF 50V X7R
C142	065T0603104 32	CHIP 0.1UF 50V X7R
C143	065T0603104 32	CHIP 0.1UF 50V X7R
C144	065T0603104 32	CHIP 0.1UF 50V X7R
C15	065T0603104 32	CHIP 0.1UF 50V X7R
C150	065T0603104 32	CHIP 0.1UF 50V X7R
C151	065T0603104 32	CHIP 0.1UF 50V X7R
C152	065T0603104 32	CHIP 0.1UF 50V X7R
C153	065T0603104 32	CHIP 0.1UF 50V X7R
C154	065T0603104 32	CHIP 0.1UF 50V X7R
C156	065T0603104 32	CHIP 0.1UF 50V X7R
C157	065T0603104 32	CHIP 0.1UF 50V X7R
C304	065T0603104 32	CHIP 0.1UF 50V X7R
C338	065T0603104 32	CHIP 0.1UF 50V X7R
C339	065T0603104 32	CHIP 0.1UF 50V X7R
C34	065T0603104 32	CHIP 0.1UF 50V X7R
C340	065T0603104 32	CHIP 0.1UF 50V X7R
C341	065T0603104 32	CHIP 0.1UF 50V X7R
C342	065T0603104 32	CHIP 0.1UF 50V X7R
C343	065T0603104 32	CHIP 0.1UF 50V X7R
C344	065T0603104 32	CHIP 0.1UF 50V X7R
C345	065T0603104 32	CHIP 0.1UF 50V X7R
C346	065T0603104 32	CHIP 0.1UF 50V X7R
C347	065T0603104 32	CHIP 0.1UF 50V X7R
C348	065T0603104 32	CHIP 0.1UF 50V X7R
C349	065T0603104 32	CHIP 0.1UF 50V X7R
C350	065T0603104 32	CHIP 0.1UF 50V X7R
C352	065T0603104 32	CHIP 0.1UF 50V X7R
C353	065T0603104 32	CHIP 0.1UF 50V X7R
C354	065T0603104 32	CHIP 0.1UF 50V X7R
C355	065T0603104 32	CHIP 0.1UF 50V X7R
C356	065T0603104 32	CHIP 0.1UF 50V X7R
C358	065T0603104 32	CHIP 0.1UF 50V X7R
C360	065T0603104 32	CHIP 0.1UF 50V X7R
C361	065T0603104 32	CHIP 0.1UF 50V X7R
C335	065T0603104 32	CHIP 0.1UF 50V X7R

C305	065T0603104 32	CHIP 0.1UF 50V X7R
C306	065T0603104 32	CHIP 0.1UF 50V X7R
C307	065T0603104 32	CHIP 0.1UF 50V X7R
C308	065T0603104 32	CHIP 0.1UF 50V X7R
C309	065T0603104 32	CHIP 0.1UF 50V X7R
C310	065T0603104 32	CHIP 0.1UF 50V X7R
C311	065T0603104 32	CHIP 0.1UF 50V X7R
C312	065T0603104 32	CHIP 0.1UF 50V X7R
C313	065T0603104 32	CHIP 0.1UF 50V X7R
C314	065T0603104 32	CHIP 0.1UF 50V X7R
C315	065T0603104 32	CHIP 0.1UF 50V X7R
C334	065T0603104 32	CHIP 0.1UF 50V X7R
C333	065T0603104 32	CHIP 0.1UF 50V X7R
C331	065T0603104 32	CHIP 0.1UF 50V X7R
C329	065T0603104 32	CHIP 0.1UF 50V X7R
C327	065T0603104 32	CHIP 0.1UF 50V X7R
C326	065T0603104 32	CHIP 0.1UF 50V X7R
C324	065T0603104 32	CHIP 0.1UF 50V X7R
C319	065T0603104 32	CHIP 0.1UF 50V X7R
C318	065T0603104 32	CHIP 0.1UF 50V X7R
C317	065T0603104 32	CHIP 0.1UF 50V X7R
C316	065T0603104 32	CHIP 0.1UF 50V X7R
C633	065T0603105 17	CHIP 1UF 16V Y5V
C629	065T0603105 17	CHIP 1UF 16V Y5V
C786	065T0603105 17	CHIP 1UF 16V Y5V
C8	065T0603105 17	CHIP 1UF 16V Y5V
C121	065T0603151 31	CHIP CAP 150PF 50V NPO
C233	065T0603152 32	CHIP 1500PF 50V X7R
C239	065T0603152 32	CHIP 1500PF 50V X7R
C263	065T0603152 32	CHIP 1500PF 50V X7R
C120	065T0603220 31	CHIP 22PF 50V NPO
C122	065T0603220 31	CHIP 22PF 50V NPO
C123	065T0603220 31	CHIP 22PF 50V NPO
C124	065T0603220 31	CHIP 22PF 50V NPO
C125	065T0603220 31	CHIP 22PF 50V NPO
C382	065T0603220 31	CHIP 22PF 50V NPO
C383	065T0603220 31	CHIP 22PF 50V NPO
C77	065T0603221 31	CHIP 220PF 50V NPO
C90	065T0603221 31	CHIP 220PF 50V NPO
C91	065T0603221 31	CHIP 220PF 50V NPO
C92	065T0603221 31	CHIP 220PF 50V NPO
C93	065T0603221 31	CHIP 220PF 50V NPO
C265	065T0603221 32	CHIP 220PF 50V X7R
C171	065T0603222 32	CHIP 2200PF 50V X7R
C170	065T0603222 32	CHIP 2200PF 50V X7R
C61	065T0603222 32	CHIP 2200PF 50V X7R
C59	065T0603222 32	CHIP 2200PF 50V X7R
C252	065T0603270 31	CHIP 27PF 50V NPO
C253	065T0603270 31	CHIP 27PF 50V NPO
C218	065T0603331 32	CHIP 330PF 50V X7R
C224	065T0603331 32	CHIP 330PF 50V X7R
C225	065T0603331 32	CHIP 330PF 50V X7R
C226	065T0603331 32	CHIP 330PF 50V X7R
C227	065T0603331 32	CHIP 330PF 50V X7R

C217	065T0603331 32	CHIP 330PF 50V X7R
C216	065T0603331 32	CHIP 330PF 50V X7R
C215	065T0603331 32	CHIP 330PF 50V X7R
C779	065T0603471 32	CHIP 470PF 50V NPO
C717	065T0603471 32	CHIP 470PF 50V NPO
C716	065T0603471 32	CHIP 470PF 50V NPO
C715	065T0603471 32	CHIP 470PF 50V NPO
C714	065T0603471 32	CHIP 470PF 50V NPO
C58	065T0603471 32	CHIP 470PF 50V NPO
C391	065T0603471 32	CHIP 470PF 50V NPO
C390	065T0603471 32	CHIP 470PF 50V NPO
C264	065T0603471 32	CHIP 470PF 50V NPO
C238	065T0603471 32	CHIP 470PF 50V NPO
C234	065T0603471 32	CHIP 470PF 50V NPO
C134	065T0603509 31	CHIP 5PF 50V NPO
C126	065T0603509 31	CHIP 5PF 50V NPO
C248	065T0603560 31	CHIP 56PF 50V NPO
C246	065T0603560 31	CHIP 56PF 50V NPO
C245	065T0603560 31	CHIP 56PF 50V NPO
C412	065T0603561 31	CHIP 560PF 50V NPO
C411	065T0603561 31	CHIP 560PF 50V NPO
C63	065T0603680 31	CHIP 68PF 50V NPO
C62	065T0603680 31	CHIP 68PF 50V NPO
C723	065T0603683 32	CHIP 0.068UF 50V X7R
C718	065T0805105 37	CHIP 1UF 50V Y5V
C210	065T0805475 17	0805 4.7UF +80%~-20% 16V
C211	065T0805475 17	0805 4.7UF +80%~-20% 16V
C212	065T0805475 17	0805 4.7UF +80%~-20% 16V
C213	065T0805475 17	0805 4.7UF +80%~-20% 16V
C266	065T0805475 17	0805 4.7UF +80%~-20% 16V
C267	065T0805475 17	0805 4.7UF +80%~-20% 16V
C268	065T0805475 17	0805 4.7UF +80%~-20% 16V
C269	065T0805475 17	0805 4.7UF +80%~-20% 16V
C810	065T0805475 17	0805 4.7UF +80%~-20% 16V
C85	065T0805475 17	0805 4.7UF +80%~-20% 16V
C84	065T0805475 17	0805 4.7UF +80%~-20% 16V
C813	065T0805475 17	0805 4.7UF +80%~-20% 16V
C812	065T0805475 17	0805 4.7UF +80%~-20% 16V
C811	065T0805475 17	0805 4.7UF +80%~-20% 16V
C209	065T0805475 17	0805 4.7UF +80%~-20% 16V
C173	065T0805475 17	0805 4.7UF +80%~-20% 16V
C174	065T0805475 17	0805 4.7UF +80%~-20% 16V
C175	065T0805475 17	0805 4.7UF +80%~-20% 16V
C176	065T0805475 17	0805 4.7UF +80%~-20% 16V
C177	065T0805475 17	0805 4.7UF +80%~-20% 16V
C178	065T0805475 17	0805 4.7UF +80%~-20% 16V
C206	065T0805475 17	0805 4.7UF +80%~-20% 16V
C207	065T0805475 17	0805 4.7UF +80%~-20% 16V
C208	065T0805475 17	0805 4.7UF +80%~-20% 16V
CP105	065T602K220 8T	22PF +-10% 16V
CP100	065T602K220 8T	22PF +-10% 16V
CP104	065T602K220 8T	22PF +-10% 16V
CP103	065T602K220 8T	22PF +-10% 16V
CP102	065T602K220 8T	22PF +-10% 16V

CP101	065T602K220 8T	22PF +-10% 16V
C743	067T 312151 3	SMD EC 150UF 16V 85C B
C741	067T 312151 3	SMD EC 150UF 16V 85C B
C739	067T 312151 3	SMD EC 150UF 16V 85C B
C748	067T 312151 3	SMD EC 150UF 16V 85C B
C756	067T 312151 3	SMD EC 150UF 16V 85C B
C759	067T 312151 3	SMD EC 150UF 16V 85C B
C766	067T 312151 3	SMD EC 150UF 16V 85C B
C757	067T 312471 3	SMD EC 470UF 16V 85C
C82	067T 312471 3	SMD EC 470UF 16V 85C
C81	067T 312471 3	SMD EC 470UF 16V 85C
C80	067T 312471 3	SMD EC 470UF 16V 85C
C79	067T 312471 3	SMD EC 470UF 16V 85C
C78	067T 312471 3	SMD EC 470UF 16V 85C
C727	067T 312471 3	SMD EC 470UF 16V 85C
C720	067T 312471 3	SMD EC 470UF 16V 85C
C262	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C41	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C42	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C608	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C627	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C631	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C653	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C654	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C655	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C68	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C70	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C71	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C719	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C784	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C806	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C807	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C141	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C148	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C149	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C155	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C164	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C232	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C235	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C236	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C237	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C240	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C242	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C729	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C744	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V

C749	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C768	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C776	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C777	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C797	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C800	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C605	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C603	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C601	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C782	067T 4121093XT	CAP S85°C 1UF M 16V XINDECO
C634	067T 4121093XT	CAP S85°C 1UF M 16V XINDECO
C351	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C357	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C359	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C363	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C367	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C372	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C501	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C505	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C507	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C760	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C755	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C508	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C751	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C752	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C337	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C247	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C249	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C250	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C251	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C301	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C302	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C320	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C321	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C336	067T 4122203XT	CAP 85°C 22UF M 16V XINDECO
C220	067T 4123393XT	CAP S85°C 3.3UF M 16V
C228	067T 4123393XT	CAP S85°C 3.3UF M 16V
C792	067T 4124703XT	EC 85°C SMD CAP 47UF M 16V
C737	067T 4124703XT	EC 85°C SMD CAP 47UF M 16V
C704	067T 4124703XT	EC 85°C SMD CAP 47UF M 16V
C67	067T 4124703XT	EC 85°C SMD CAP 47UF M 16V
C652	067T 4124703XT	EC 85°C SMD CAP 47UF M 16V

FB116	071T 56A121 8M	CHIP BEAD
FB115	071T 56A121 8M	CHIP BEAD
FB114	071T 56A121 8M	CHIP BEAD
FB113	071T 56A121 8M	CHIP BEAD
FB112	071T 56A121 8M	CHIP BEAD
FB111	071T 56A121 8M	CHIP BEAD
L23	071T 56G151 A	CHIOP BEAD 150 OHM
L712	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L711	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L710	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L709	071T 56G301 EA	CHIP BEAD 300 OHM 0805
L757	071T 56U601	BEAD 600 OHM
L758	071T 56U601	BEAD 600 OHM
L759	071T 56U601	BEAD 600 OHM
L760	071T 56U601	BEAD 600 OHM
L761	071T 56U601	BEAD 600 OHM
L756	071T 56U601	BEAD 600 OHM
L659	071T 56U601	BEAD 600 OHM
L658	071T 56U601	BEAD 600 OHM
L635	071T 56U601	BEAD 600 OHM
L634	071T 56U601	BEAD 600 OHM
L19	071T 56U601	BEAD 600 OHM
L18	071T 56Z601	CHIP BEAD 600 OHM
L35	071T 56Z601	CHIP BEAD 600 OHM
L36	071T 56Z601	CHIP BEAD 600 OHM
L37	071T 56Z601	CHIP BEAD 600 OHM
L401	071T 56Z601	CHIP BEAD 600 OHM
L402	071T 56Z601	CHIP BEAD 600 OHM
L403	071T 56Z601	CHIP BEAD 600 OHM
L600	071T 56Z601	CHIP BEAD 600 OHM
L660	071T 56Z601	CHIP BEAD 600 OHM
L701	071T 56Z601	CHIP BEAD 600 OHM
L702	071T 56Z601	CHIP BEAD 600 OHM
L708	071T 56Z601	CHIP BEAD 600 OHM
L747	071T 56Z601	CHIP BEAD 600 OHM
L17	071T 56Z601	CHIP BEAD 600 OHM
L100	071T 56Z601	CHIP BEAD 600 OHM
L101	071T 56Z601	CHIP BEAD 600 OHM
L102	071T 56Z601	CHIP BEAD 600 OHM
L103	071T 56Z601	CHIP BEAD 600 OHM
L104	071T 56Z601	CHIP BEAD 600 OHM
L105	071T 56Z601	CHIP BEAD 600 OHM
L106	071T 56Z601	CHIP BEAD 600 OHM
L15	071T 56Z601	CHIP BEAD 600 OHM
L732	071T 57G601	BEAD 1206 600 OHM
L733	071T 57G601	BEAD 1206 600 OHM
L734	071T 57G601	BEAD 1206 600 OHM
L735	071T 57G601	BEAD 1206 600 OHM
L736	071T 57G601	BEAD 1206 600 OHM
L737	071T 57G601	BEAD 1206 600 OHM
L738	071T 57G601	BEAD 1206 600 OHM
L739	071T 57G601	BEAD 1206 600 OHM
L740	071T 57G601	BEAD 1206 600 OHM
L746	071T 57G601	BEAD 1206 600 OHM

L745	071T 57G601	BEAD 1206 600 OHM
L744	071T 57G601	BEAD 1206 600 OHM
L743	071T 57G601	BEAD 1206 600 OHM
L742	071T 57G601	BEAD 1206 600 OHM
L1	071T 57G601	BEAD 1206 600 OHM
L2	071T 57G601	BEAD 1206 600 OHM
L3	071T 57G601	BEAD 1206 600 OHM
L33	071T 57G601	BEAD 1206 600 OHM
L604	071T 57G601	BEAD 1206 600 OHM
L661	071T 57G601	BEAD 1206 600 OHM
L727	071T 57G601	BEAD 1206 600 OHM
L728	071T 57G601	BEAD 1206 600 OHM
L729	071T 57G601	BEAD 1206 600 OHM
L302	071T 59B121	BEAD 0603 120 OHM
L301	071T 59B121	BEAD 0603 120 OHM
L29	071T 59B121 K	CHIP BEAD
L30	071T 59B121 K	CHIP BEAD
L755	071T 59B121 K	CHIP BEAD
L107	071T 59B121 K	CHIP BEAD
L109	071T 59B121 K	CHIP BEAD
L111	071T 59B121 K	CHIP BEAD
L112	071T 59B121 K	CHIP BEAD
L113	071T 59B121 K	CHIP BEAD
L26	071T 59B121 K	CHIP BEAD
L25	071T 59B121 K	CHIP BEAD
L24	071T 59B121 K	CHIP BEAD
L148	071T 59B121 K	CHIP BEAD
L700	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
L602	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
L601	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
L300	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
L40	071T 59G301	CHIP BEAD 300OHM
L41	071T 59G301	CHIP BEAD 300OHM
L42	071T 59G301	CHIP BEAD 300OHM
L43	071T 59G301	CHIP BEAD 300OHM
L44	071T 59G301	CHIP BEAD 300OHM
L45	071T 59G301	CHIP BEAD 300OHM
L46	071T 59G301	CHIP BEAD 300OHM
L39	071T 59G301	CHIP BEAD 300OHM
L38	071T 59G301	CHIP BEAD 300OHM
L34	073T 63229	0603 2.2UH
L32	073T 63229	0603 2.2UH
ZD406	093T 64 37 N	V-PORT-0603-100K V05
ZD405	093T 64 37 N	V-PORT-0603-100K V05
ZD17	093T 64 37 N	V-PORT-0603-100K V05
ZD18	093T 64 37 N	V-PORT-0603-100K V05
ZD19	093T 64 37 N	V-PORT-0603-100K V05
ZD16	093T 64 37 N	V-PORT-0603-100K V05
ZD14	093T 64 37 N	V-PORT-0603-100K V05
ZD13	093T 64 37 N	V-PORT-0603-100K V05
ZD105	093T 64 37 N	V-PORT-0603-100K V05
ZD104	093T 64 37 N	V-PORT-0603-100K V05
D404	093T 6432V	LL4148-GSO8 SMD BY VISHA
D403	093T 6432V	LL4148-GSO8 SMD BY VISHA

D24	093T 6432V	LL4148-GSO8 SMD BY VISHA
D23	093T 6432V	LL4148-GSO8 SMD BY VISHA
D115	093T 6432V	LL4148-GSO8 SMD BY VISHA
D106	093T 6432V	LL4148-GSO8 SMD BY VISHA
D20	093T 6433P	BAV99
D2	093T 6433P	BAV99
D19	093T 6433P	BAV99
D18	093T 6433P	BAV99
D17	093T 6433P	BAV99
D21	093T 6433P	BAV99
D22	093T 6433P	BAV99
D3	093T 6433P	BAV99
D4	093T 6433P	BAV99
D400	093T 6433P	BAV99
D401	093T 6433P	BAV99
D402	093T 6433P	BAV99
D5	093T 6433P	BAV99
D6	093T 6433P	BAV99
D7	093T 6433P	BAV99
D701	093T 6433P	BAV99
D710	093T 6433P	BAV99
D8	093T 6433P	BAV99
D9	093T 6433P	BAV99
D715	093T 6433P	BAV99
D16	093T 6433P	BAV99
D1	093T 6433P	BAV99
D10	093T 6433P	BAV99
D104	093T 6433P	BAV99
D105	093T 6433P	BAV99
D107	093T 6433P	BAV99
D108	093T 6433P	BAV99
D109	093T 6433P	BAV99
D11	093T 6433P	BAV99
D110	093T 6433P	BAV99
D111	093T 6433P	BAV99
D112	093T 6433P	BAV99
D12	093T 6433P	BAV99
D13	093T 6433P	BAV99
D14	093T 6433P	BAV99
D15	093T 6433P	BAV99
ZD101	093T 39S155	BZT52-C5V6
ZD100	093T 39S155	BZT52-C5V6
ZD10	093T 39S155	BZT52-C5V6
ZD11	093T 39S155	BZT52-C5V6
ZD12	093T 39S155	BZT52-C5V6
ZD15	093T 39S155	BZT52-C5V6
ZD102	093T 39S155	BZT52-C5V6
ZD103	093T 39S155	BZT52-C5V6
D704	093T1004 3	DIODE SS14 40V 1A SMA BY PAN JIT
D707	093T1004 3	DIODE SS14 40V 1A SMA BY PAN JIT
D713	093T1004 3	DIODE SS14 40V 1A SMA BY PAN JIT
D714	093T1004 3	DIODE SS14 40V 1A SMA BY PAN JIT
D708	093T1004 3	DIODE SS14 40V 1A SMA BY PAN JIT
D711	093T1004 3	DIODE SS14 40V 1A SMA BY PAN JIT

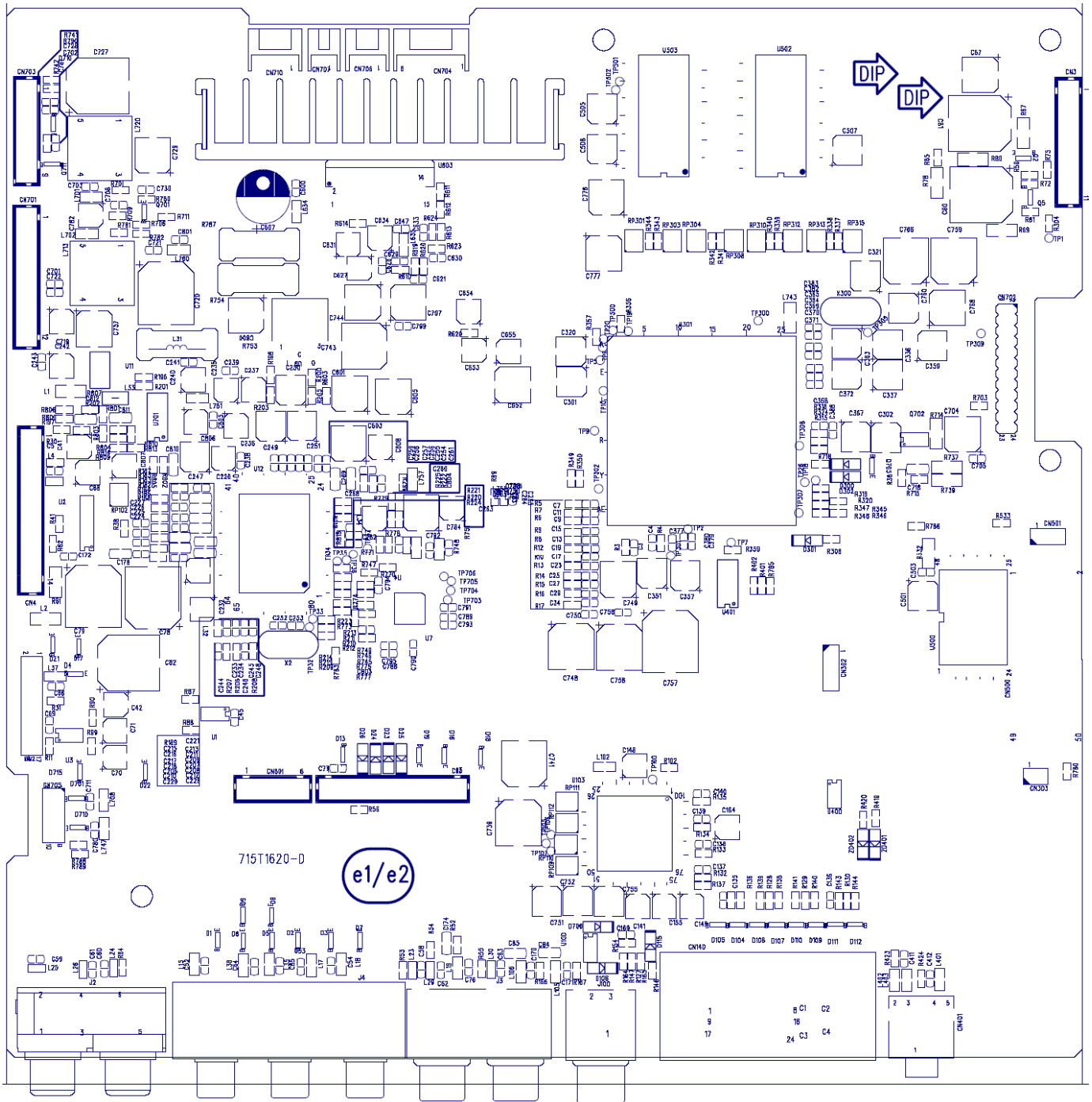
	715T1620 1	DELL TV MAIN BOARD PCB
	TUPFDA1P	TUNER BOARD
CN101	033T3802 11	WAFER PH-11
R101	061T153M100 59	10 OHM 5% 3W
R109	061T153M100 59	10 OHM 5% 3W
L102	073T 259 4	CHOKE COIL
TU101	094TNTSC MA 1P	MICROTUNER FQ1236/FH-5
U101	056T 585 11	AZ1117D-5.0-E1
R102	061T0603000	CHIP 0OHM 1/16W
R103	061T0603000	CHIP 0OHM 1/16W
R104	061T0603102	CHIP 1K OHM 1/16W
R106	061T0603750 9F	CHIP 75OHM 1/16W 1%
R105	061T0603750 9F	CHIP 75OHM 1/16W 1%
C106	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C104	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C103	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C108	065T0603470 31	CHIP 47PF 50V NPO
C105	067T 312471 3	SMD EC 470UF 16V 85C
C101	067T 4121003XT	EC 85°C CHIP 10UF M 16V
C102	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
C107	067T 4121013XT	EC 85°C SMD CAP 100UF M 16V
L101	071T 56U601	BEAD 600 OHM
L103	071T 57G601	BEAD 1206 600 OHM
L104	071T 57G601	BEAD 1206 600 OHM
L105	071T 57G601	BEAD 1206 600 OHM
	715T1621 1	TUNER BOARD PCB
	040T 58162435A	LABEL
	041T780070013A	23" PIG FOR DAO
	041T780070014A	23" USER MANUAL FOR DAO
	045T 76 28DE3	PE BAG FOR MANUAL

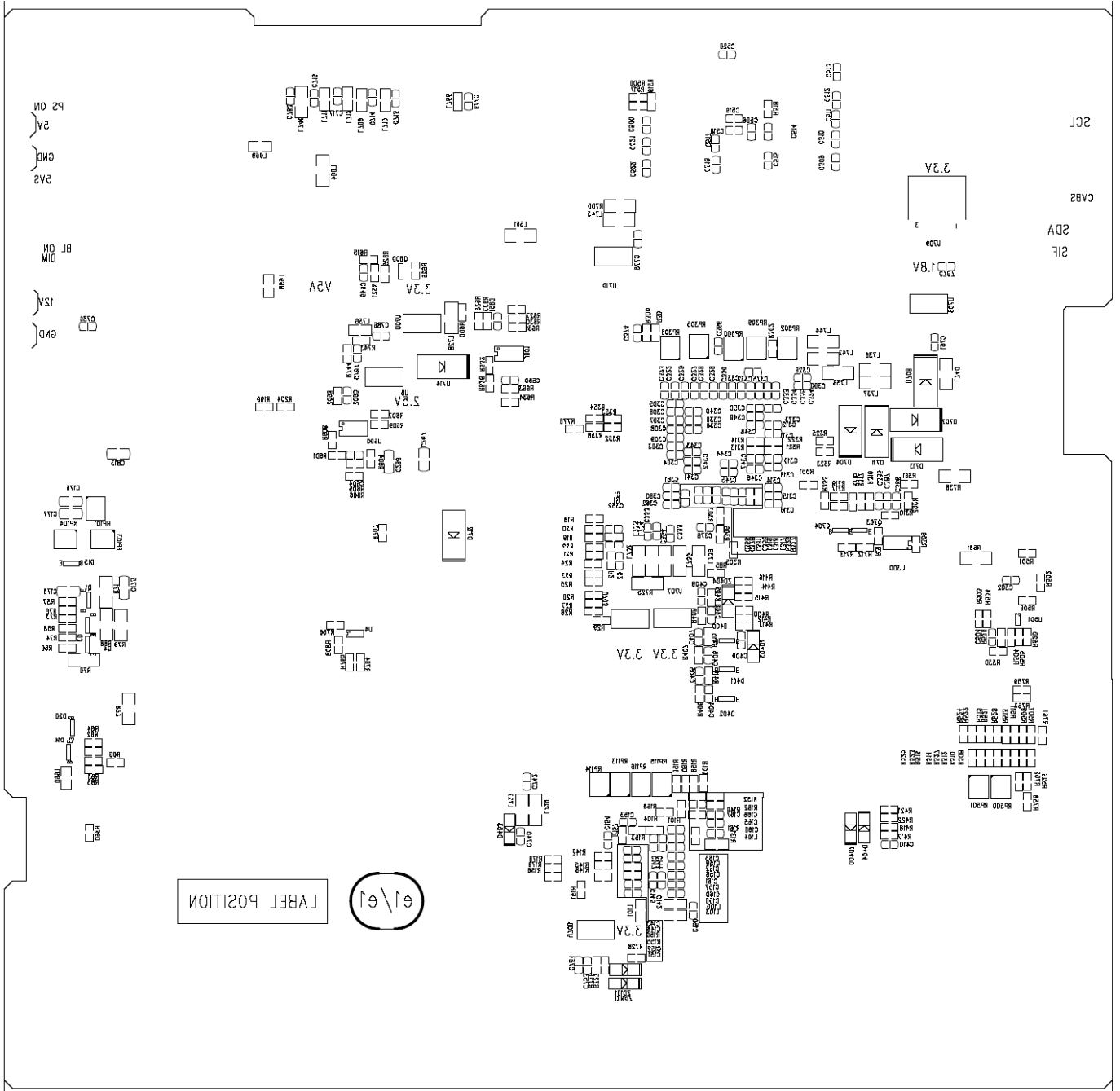
Diversity of EDF5SGNKDEDBJMP compared with EDF5GGNKDEDMJMP		
Location	Part No.	Description
	015T6262 2	MAIN FRAME
	052T 1218 A	AL TAPE
	095T8014 14 28	WIRE HARNESS
	095T8018 30 93	WIRE HARNESS
	0M1T 130 5120	SCREW
	0M1T 130 5225 CR3	SCREW
	0M1T2040 4225 CR3	SCREW
	0M1T2040 12 47 CR3	SCREW
	705LDF5FB34008	23" TV BACK COVER ASS'Y
	750TVSD0W2121Z000D	PANEL LTA230W2-L01 001(000) KR SEC
	CBPFD5KSGDAJP	MAIN BOARD
U500	056T1133711DE2	S29AL008D70TF1010
R61	061T0603000	CHIP 0OHM 1/16W
R708	061T0603000	CHIP 0OHM 1/16W
R720	061T0603000	CHIP 0OHM 1/16W
R706	061T0603102	CHIP 1K OHM 1/16W
R709	061T0603102	CHIP 1K OHM 1/16W

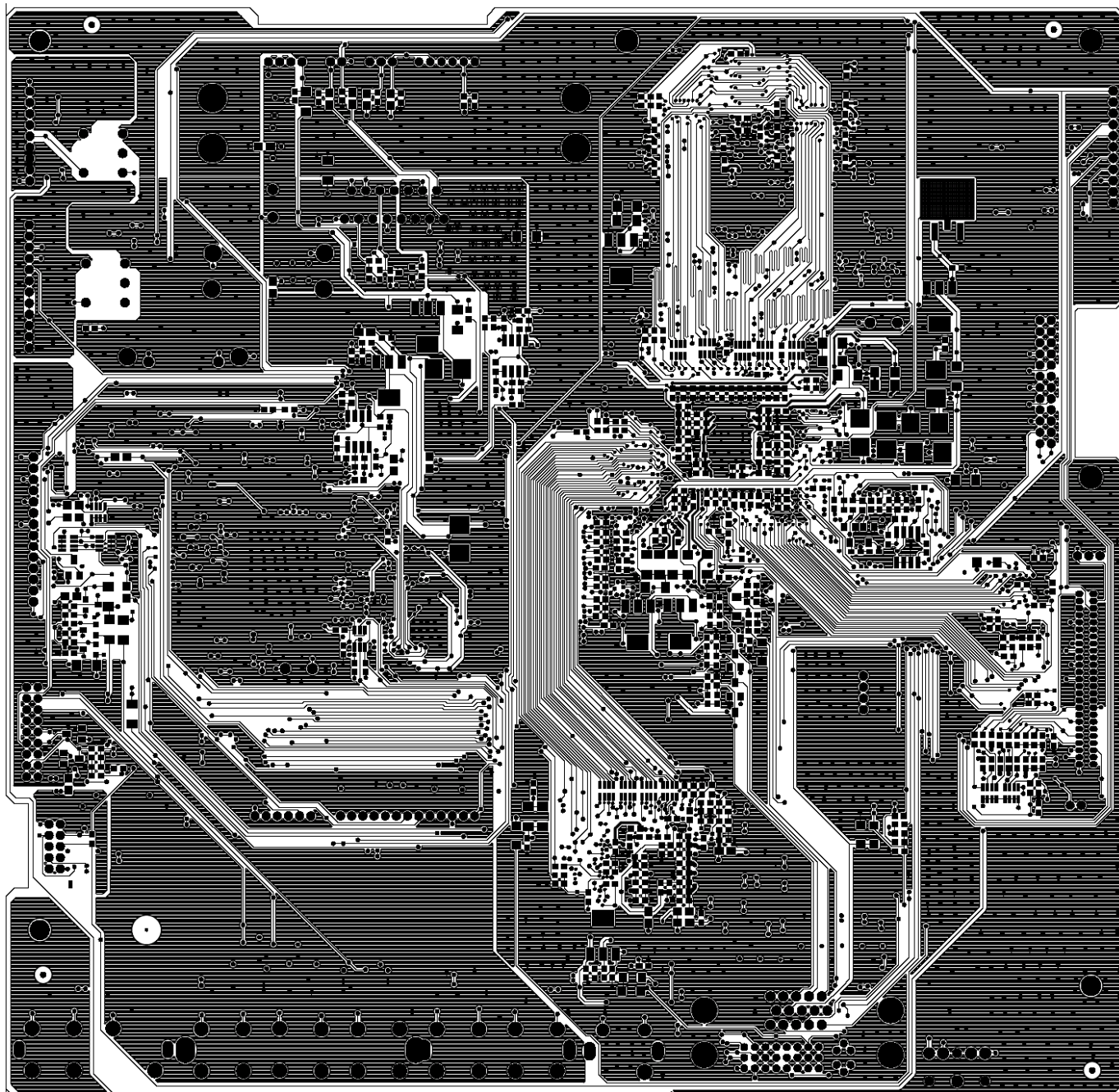
R737	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R69	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
ZD404	093T 39147	TZMC 5V6
ZD403	093T 39147	TZMC 5V6
ZD402	093T 39147	TZMC 5V6
ZD401	093T 39147	TZMC 5V6
ZD400	093T 39147	TZMC 5V6
	715T1620 2	MAIN BOARD PCB

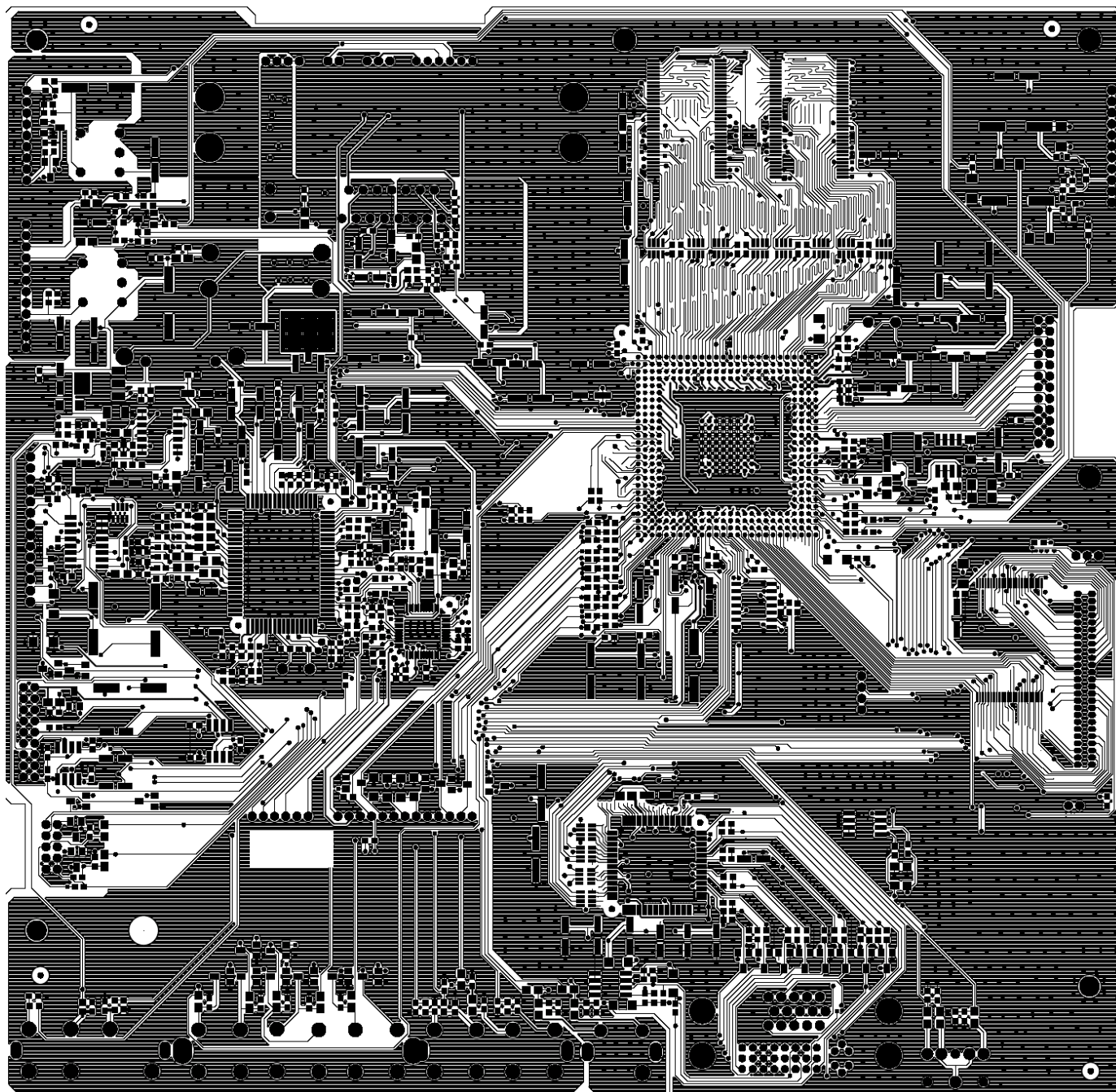
10. PCB Layout

10.1 Main Board

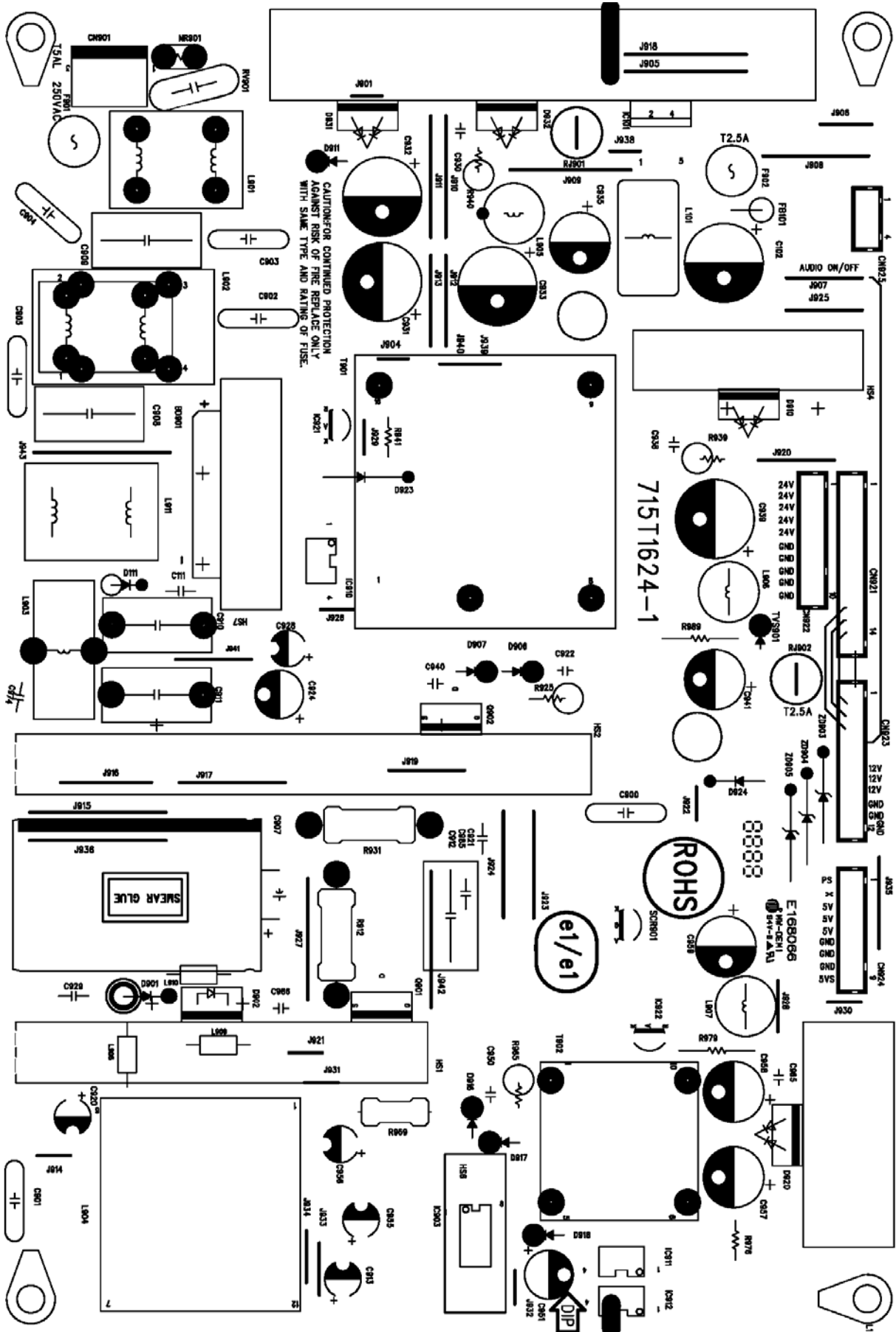


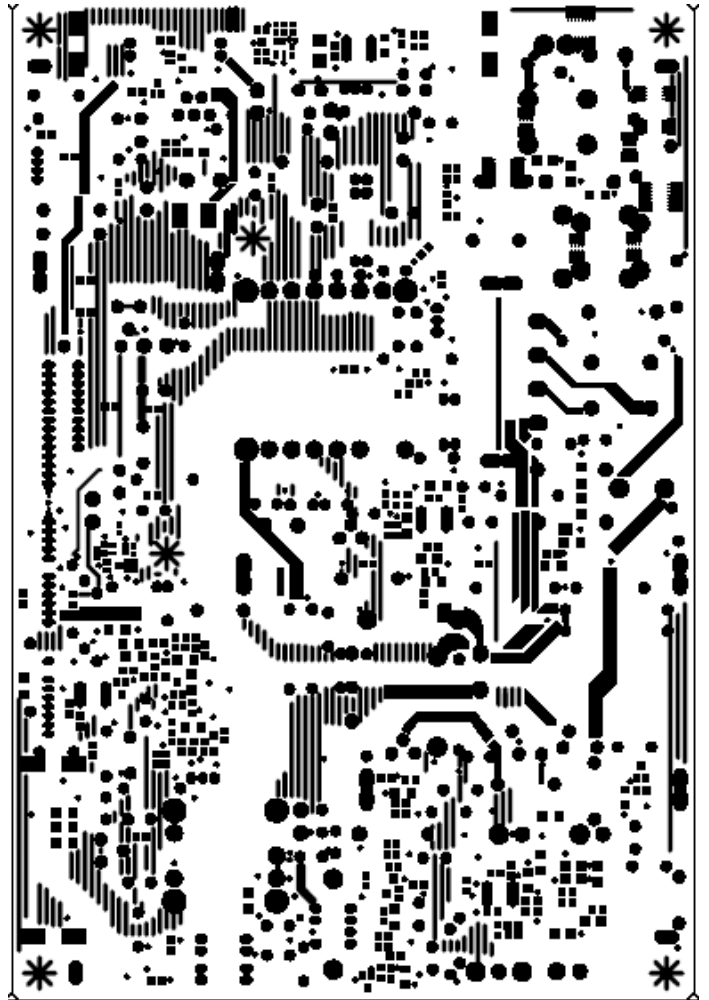
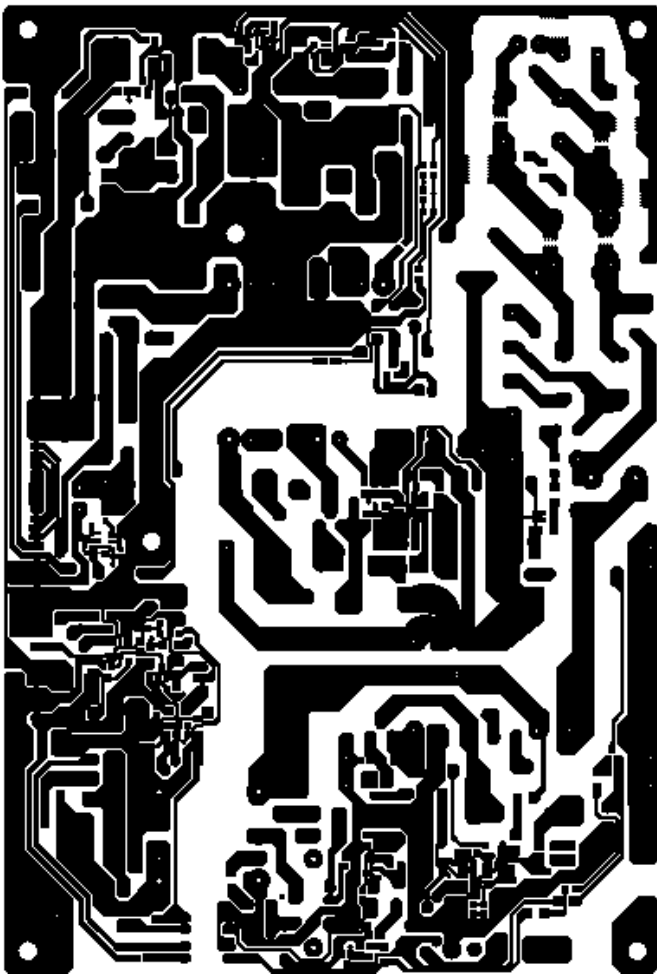




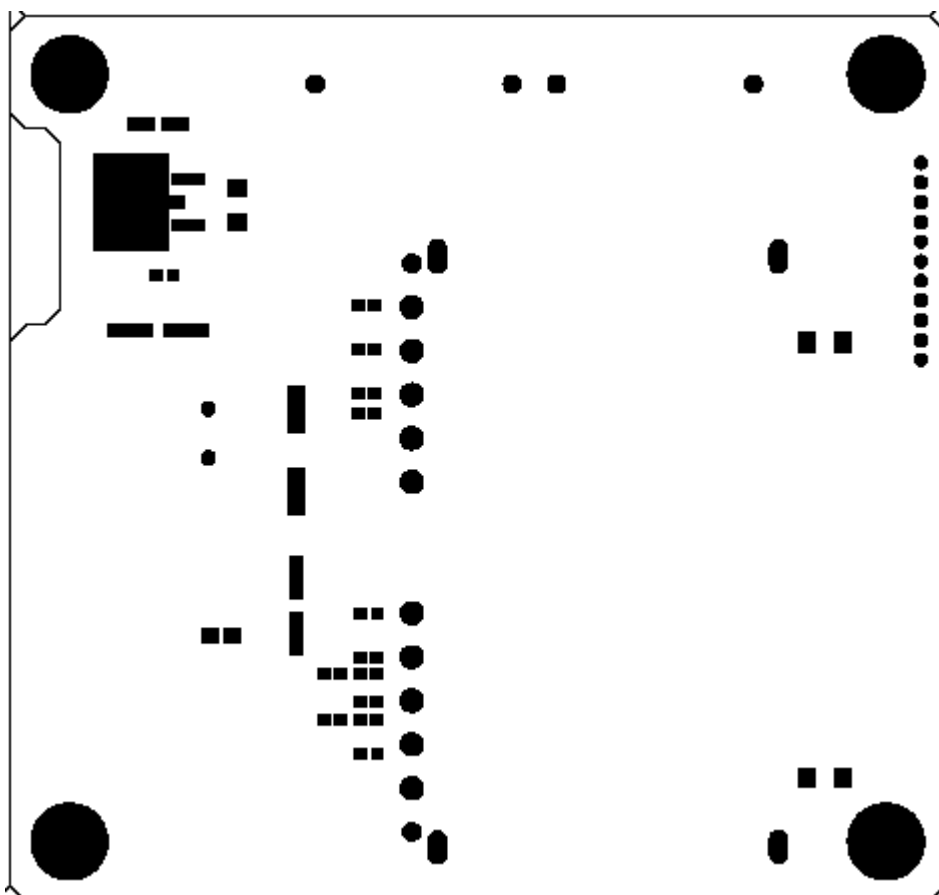
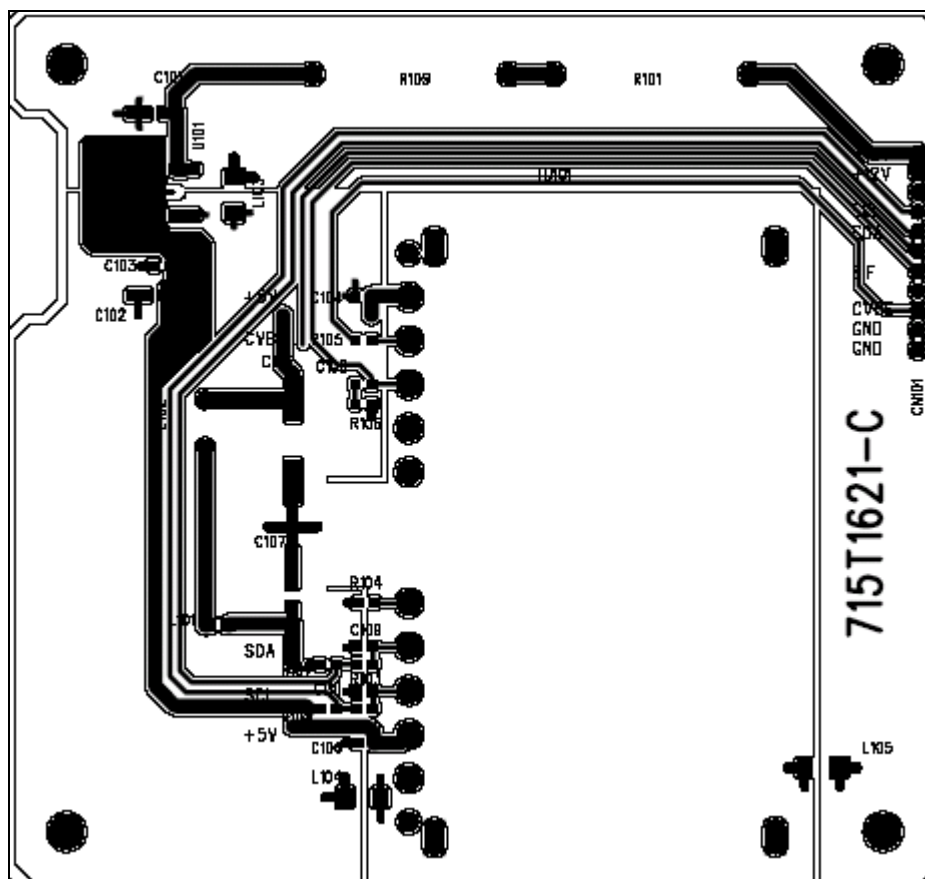


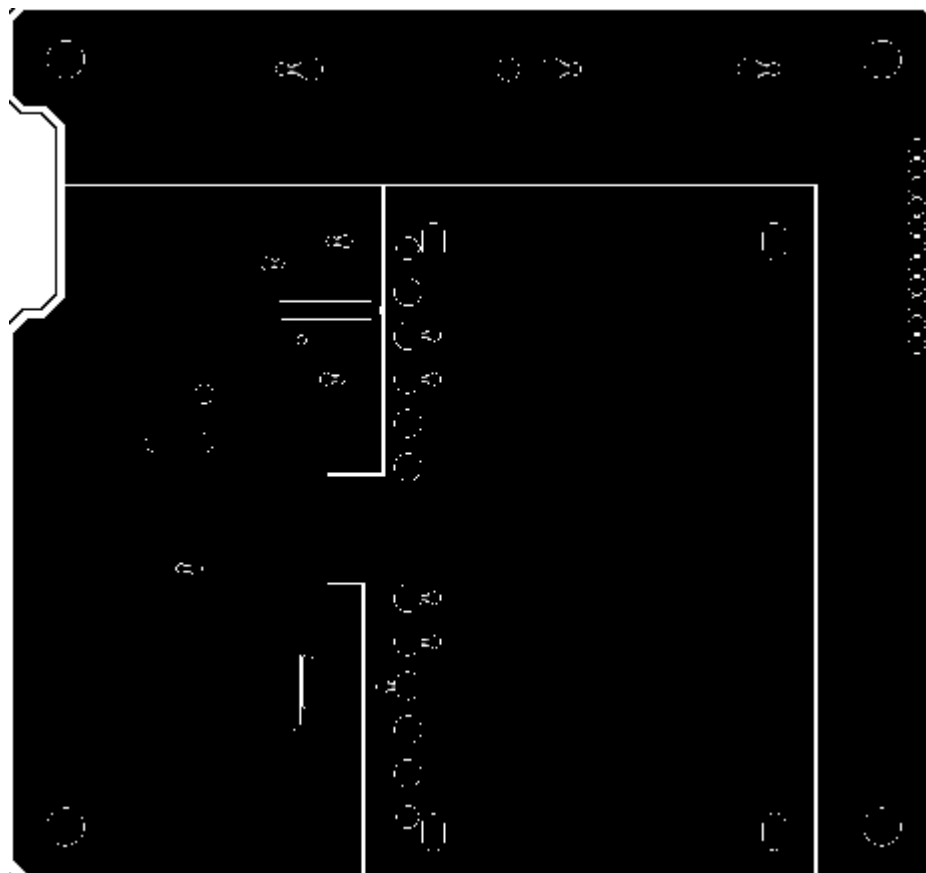
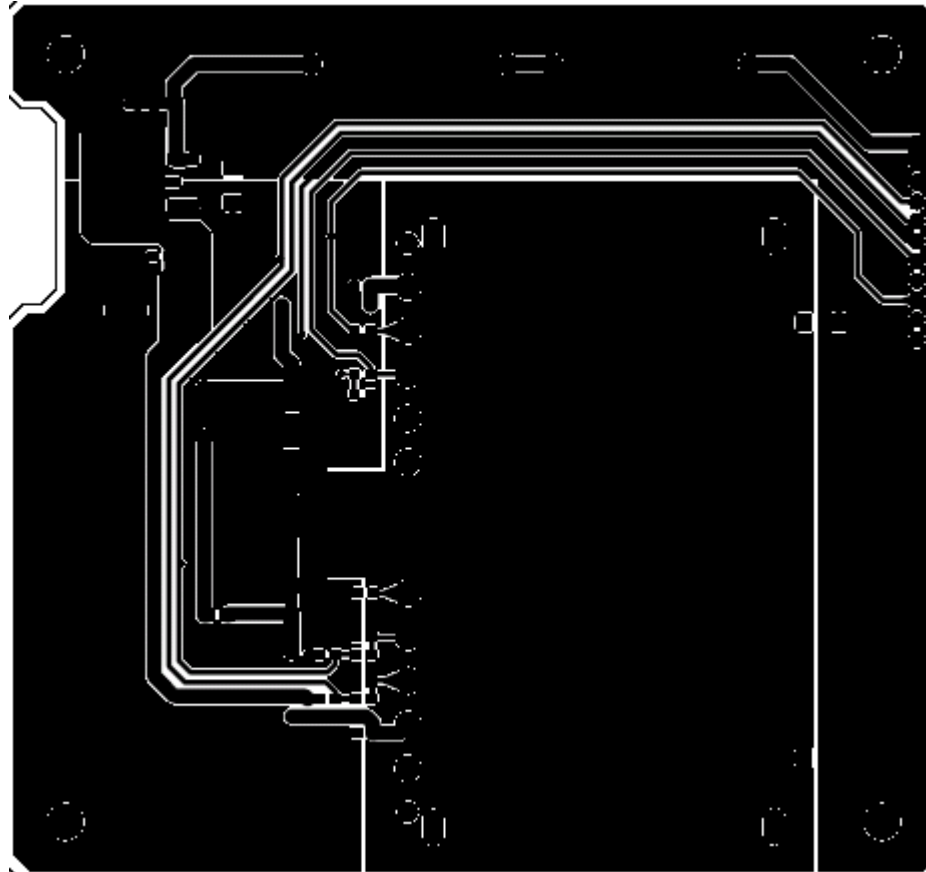
10.2 Power Board



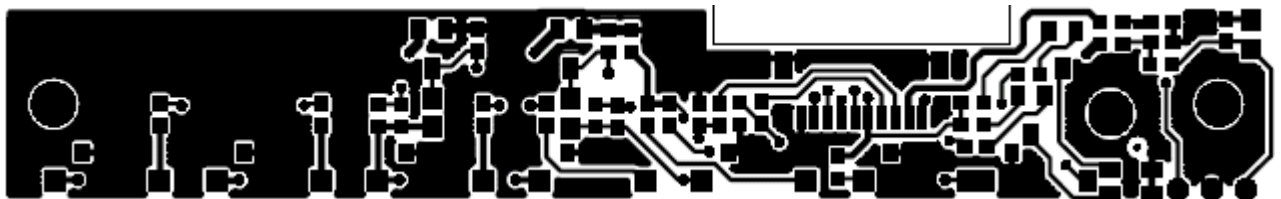
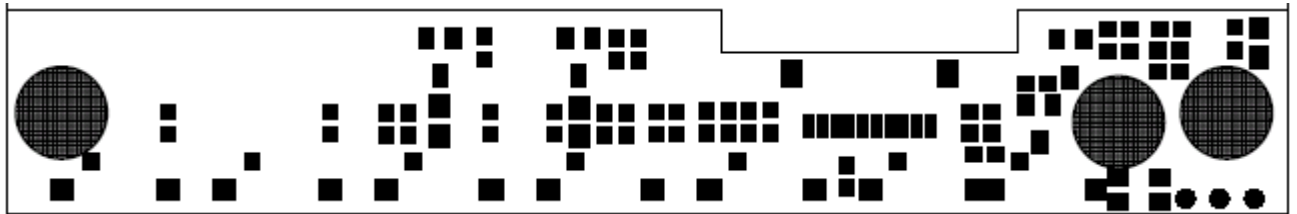
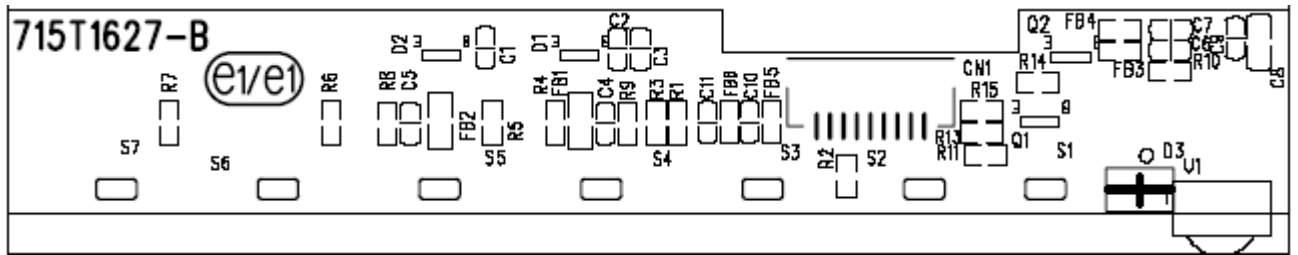


10.3 Tuner Board

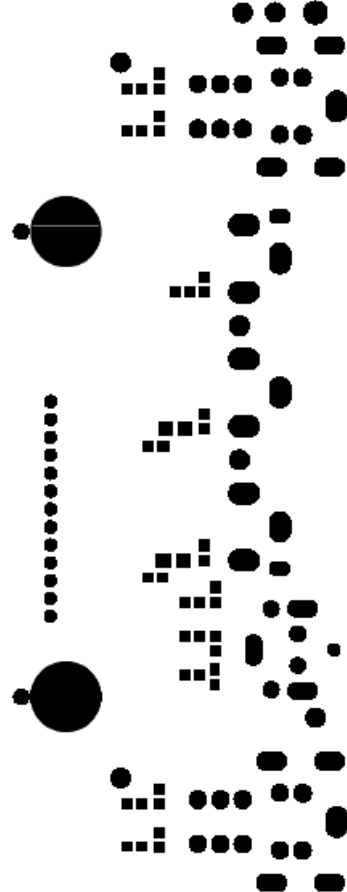
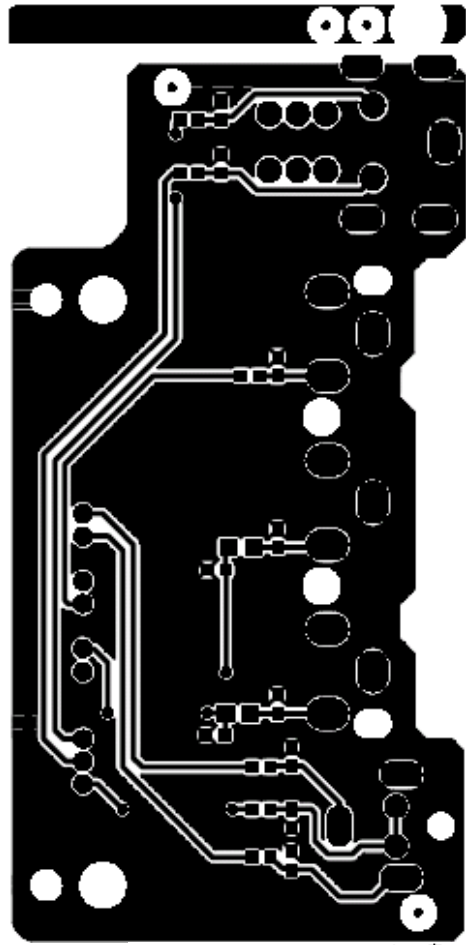
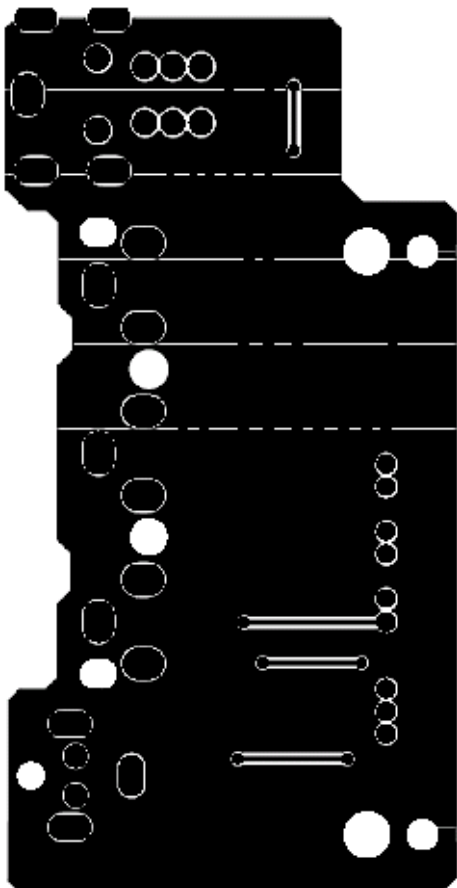
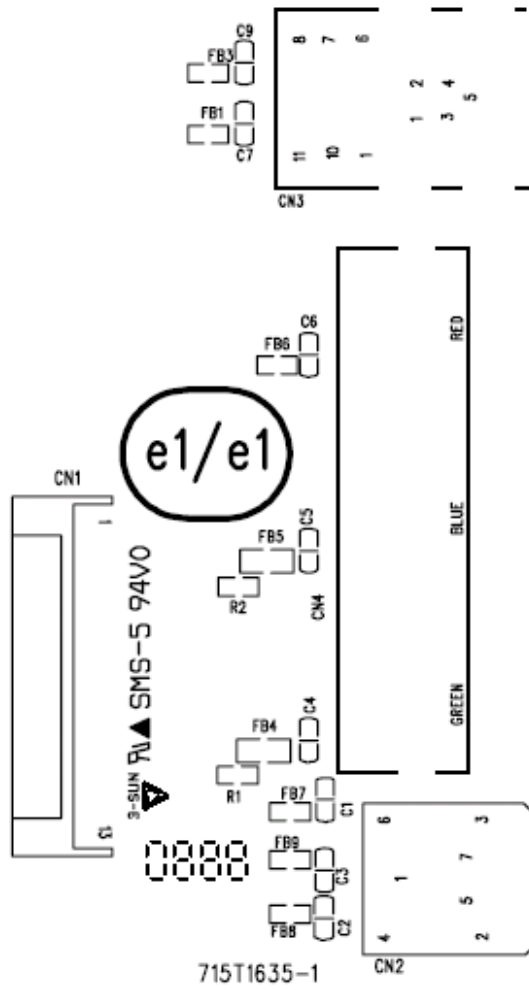




10.4 Key/IR Board



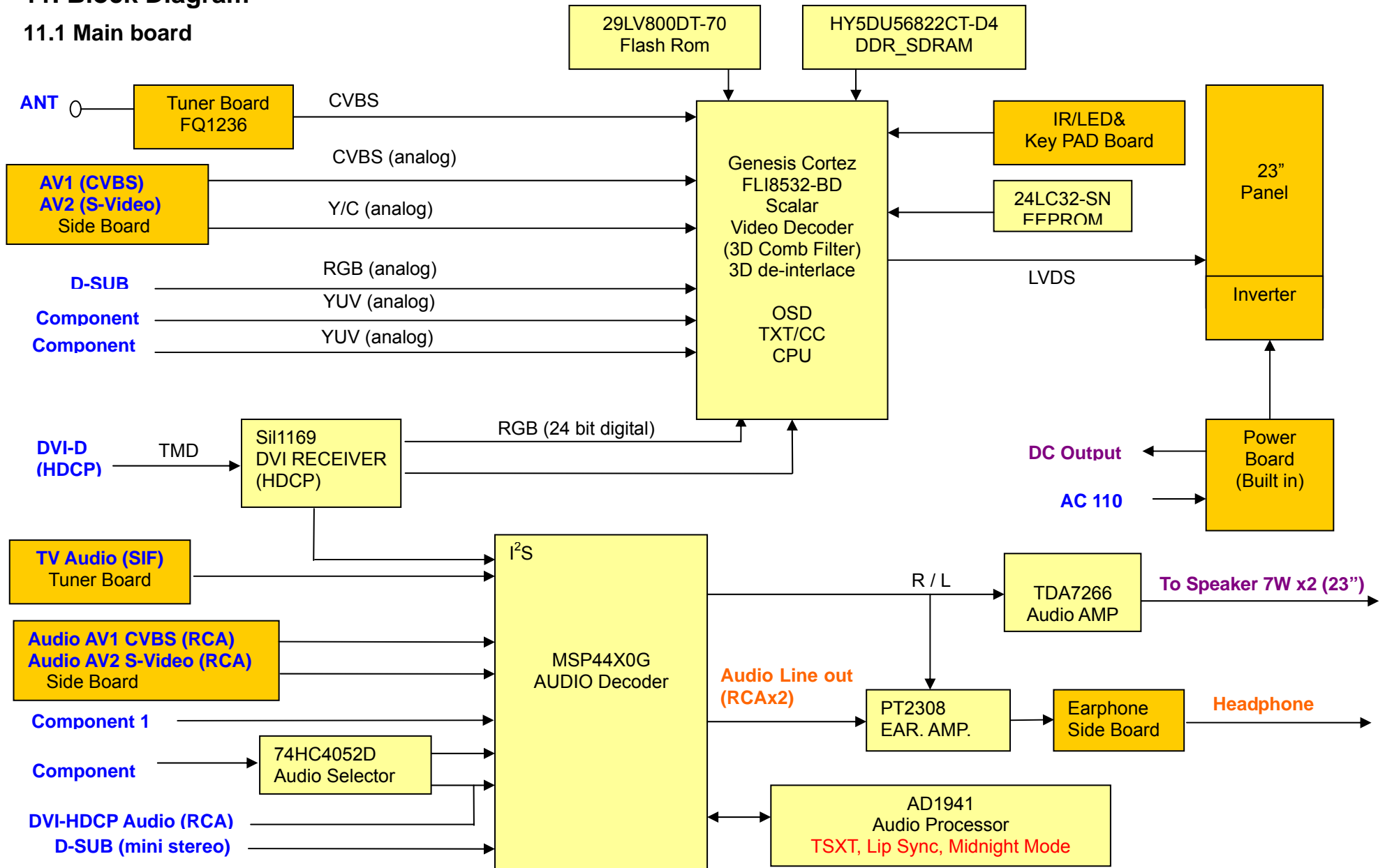
10.5 Side Board



23" DELL Block Diagram

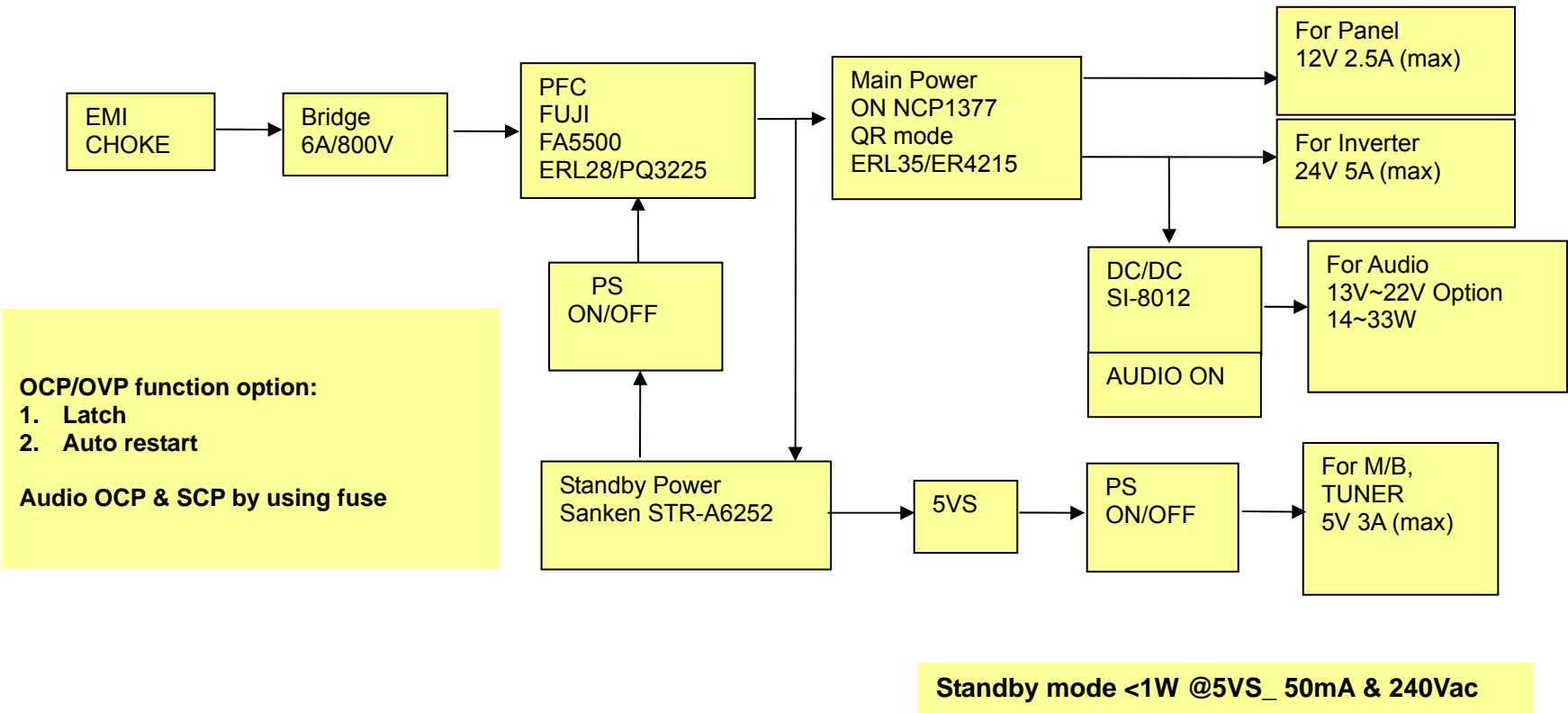
11. Block Diagram

11.1 Main board

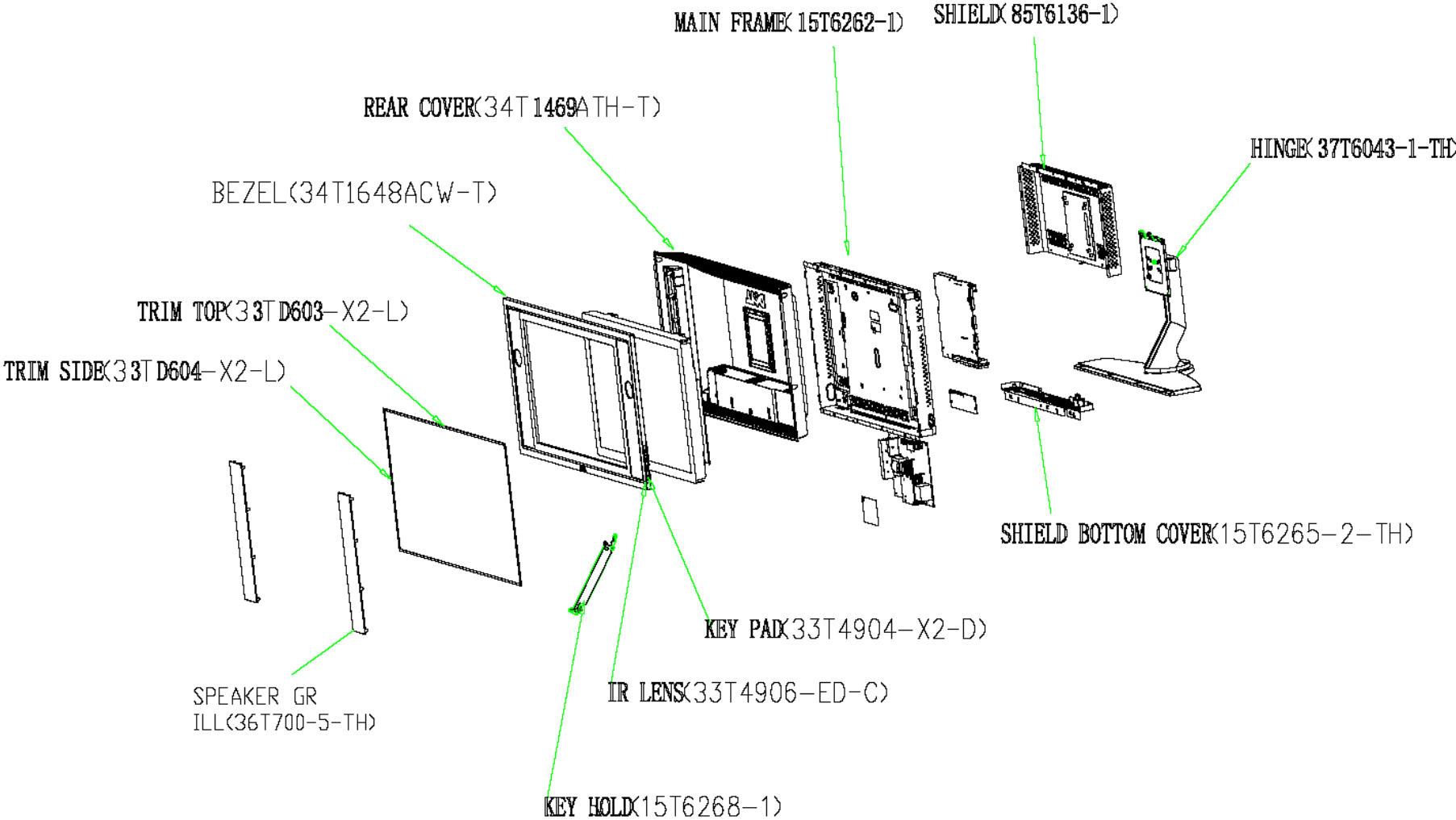


11.2 Power Board

23" DELL TV Power Block circuit

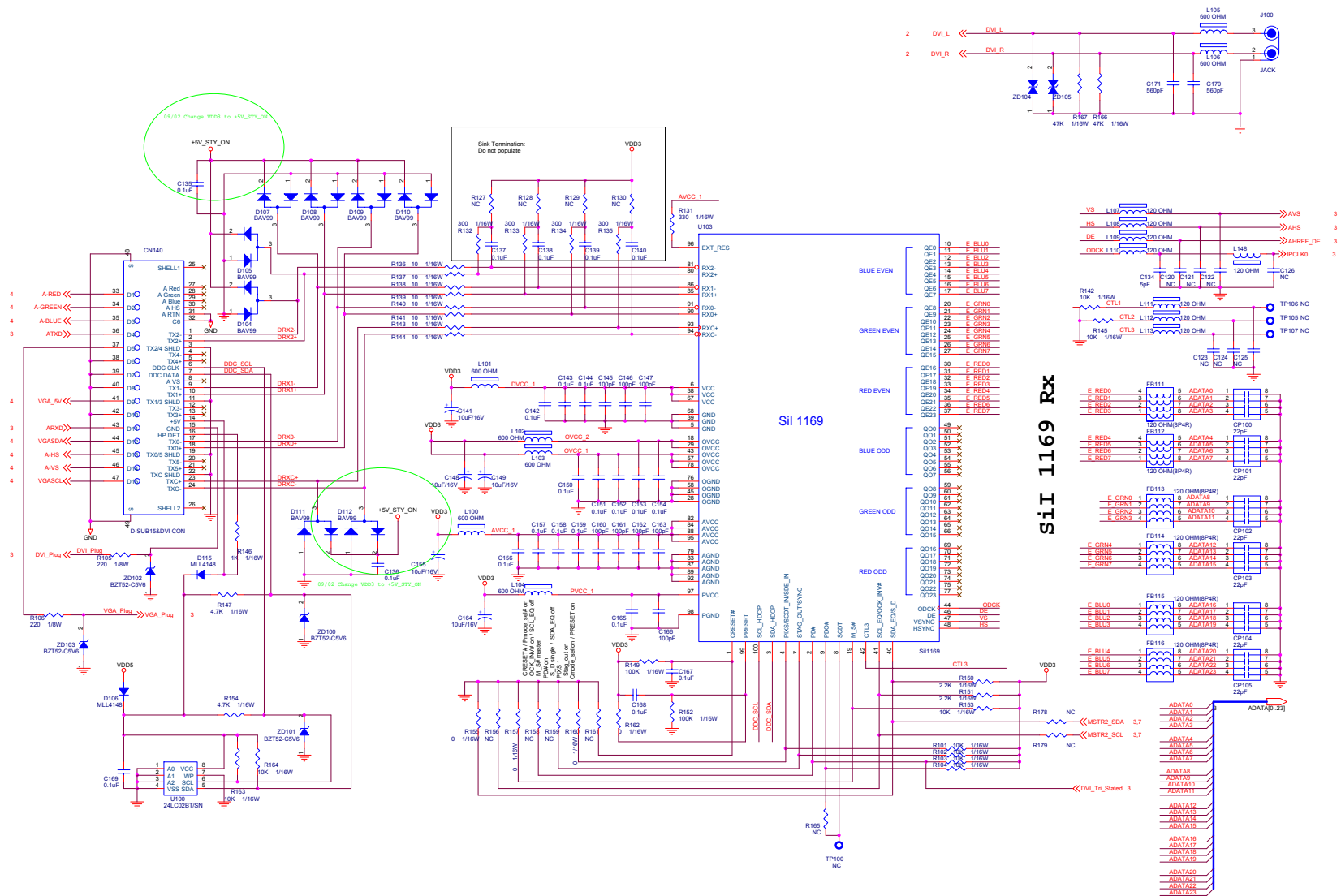


11.3 Exploded View



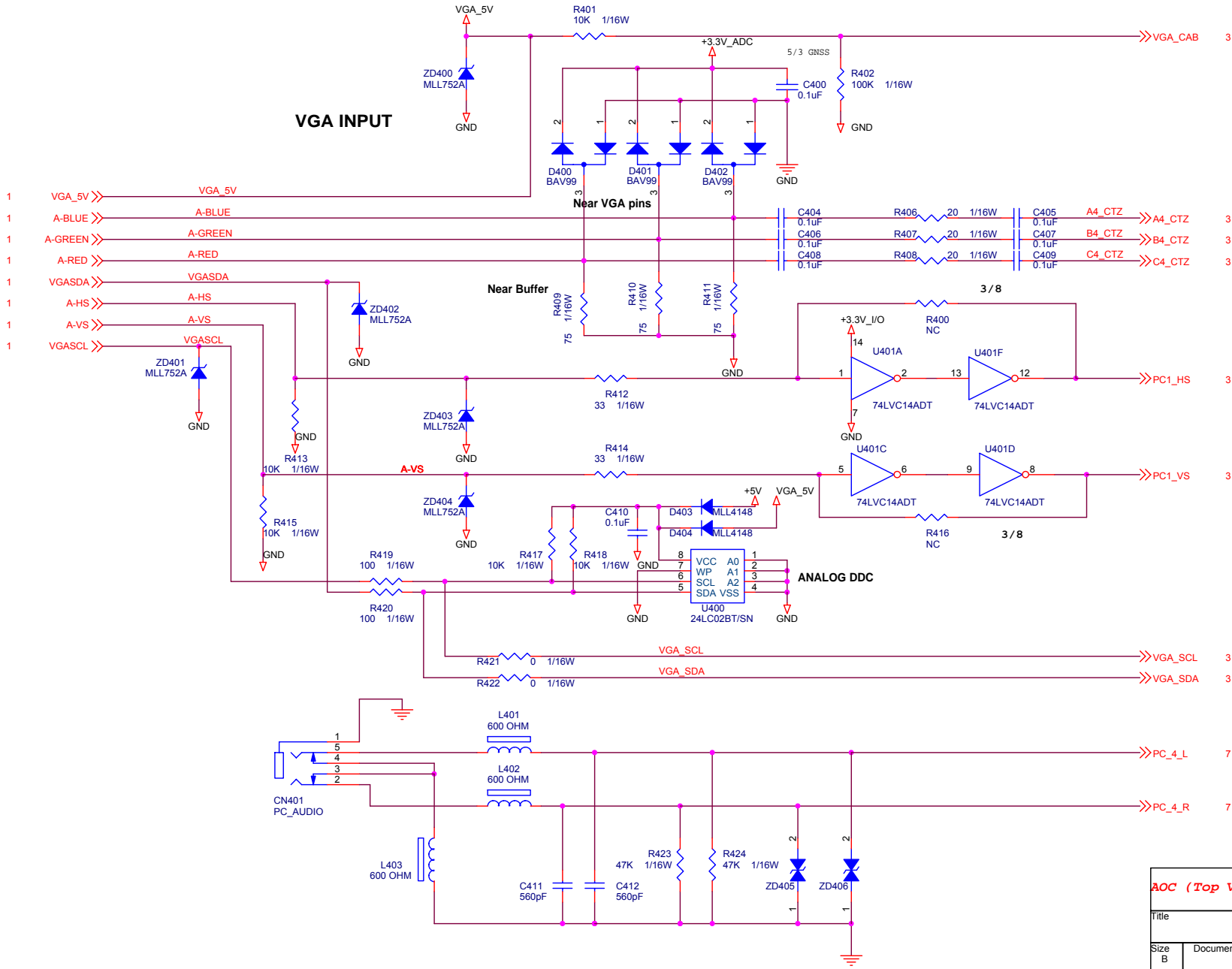
12. Schematic Diagram

12.1 Main Board

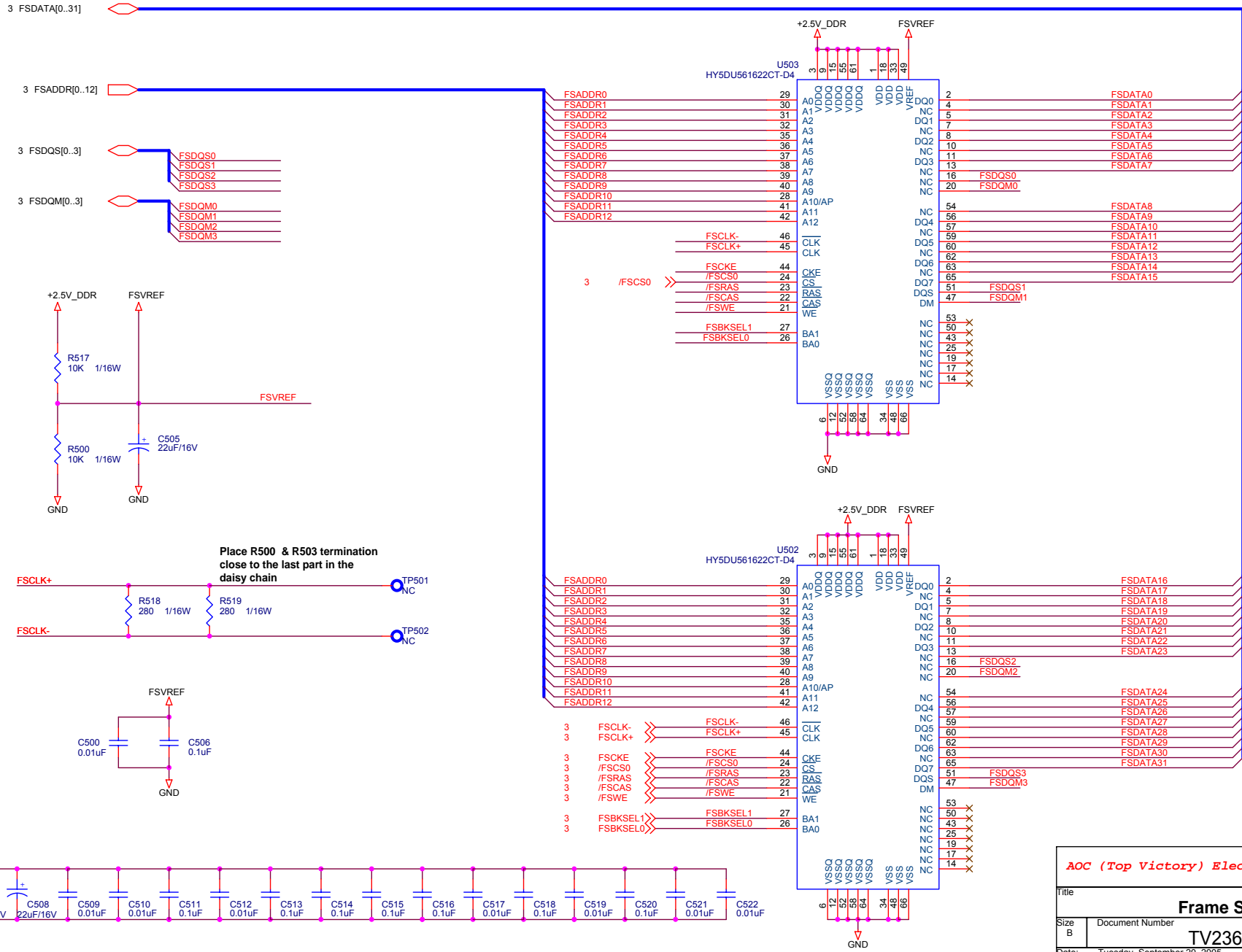


SiI 1169 Rx

AOC (Top Victory) Electronics Co., Ltd.		
DVI SiI1169		
Doc C	Document Number	TV2365W-2J
Date:	Tuesday, September 20, 2005	Sheet 1 of 10



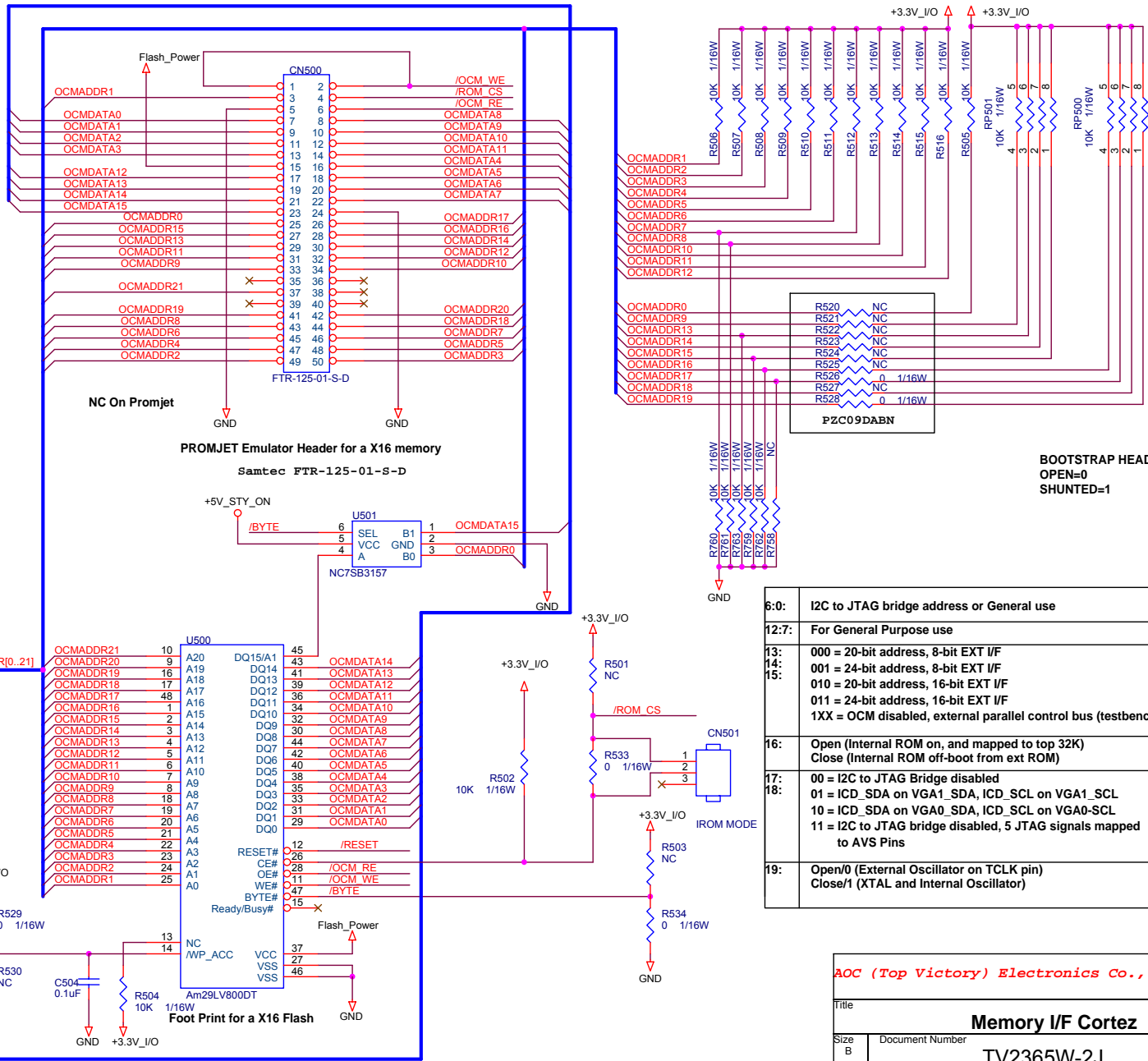
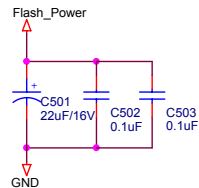
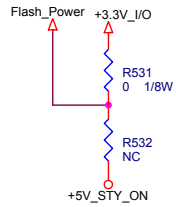
AOC (Top Victory) Electronics Co., Ltd.		
Title		
Analog Input		
Size B	Document Number	Rev A
	TV2365W-2J	
Date:	Tuesday, September 20, 2005	Sheet 4 of 10



AOC (Top Victory) Electronics Co., Ltd.

Title		
Frame Store		
Size B	Document Number	Rev A
TV2365W-2J		
Date:	Tuesday, September 20, 2005	Sheet 5 of 10

B0 = A for SEL L B1 = A for SEL H



BOOTSTRAP HEADER
OPEN=0
SHUNTED=1

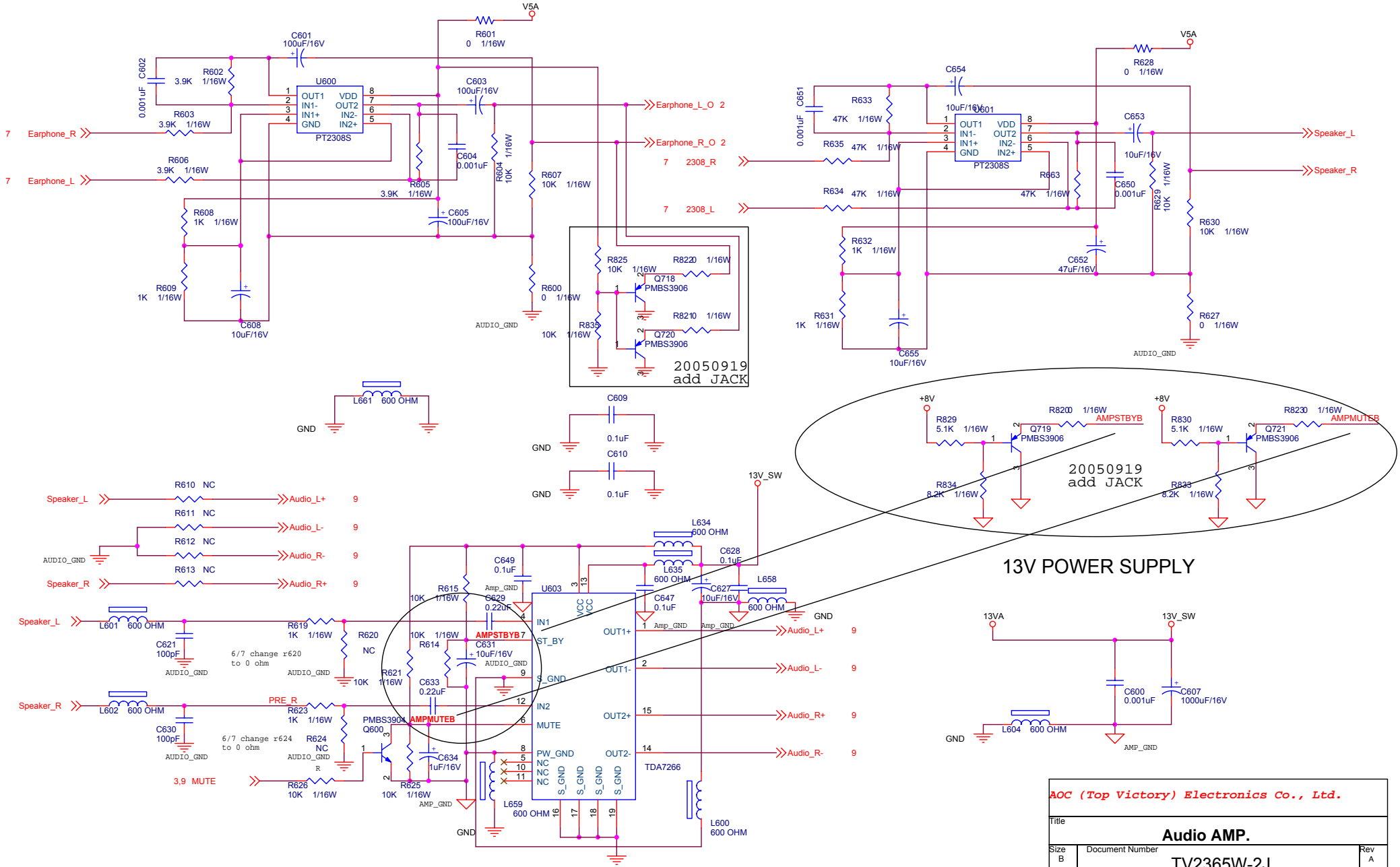
6:0:	I2C to JTAG bridge address or General use
12:7:	For General Purpose use
13:	000 = 20-bit address, 8-bit EXT I/F
14:	001 = 24-bit address, 8-bit EXT I/F
15:	010 = 20-bit address, 16-bit EXT I/F
	011 = 24-bit address, 16-bit EXT I/F
	1XX = OCM disabled, external parallel control bus (testbench)
16:	Open (Internal ROM on, and mapped to top 32K) Close (Internal ROM off-boot from ext ROM)
17:	00 = I2C to JTAG Bridge disabled
18:	01 = ICD_SDA on VGA1_SDA, ICD_SCL on VGA1_SCL 10 = ICD_SDA on VGA0_SDA, ICD_SCL on VGA0_SCL 11 = I2C to JTAG bridge disabled, 5 JTAG signals mapped to AVS Pins
19:	Open/0 (External Oscillator on TCLK pin) Close/1 (XTAL and Internal Oscillator)

AOC (Top Victory) Electronics Co., Ltd.

Title: **Memory I/F Cortex**

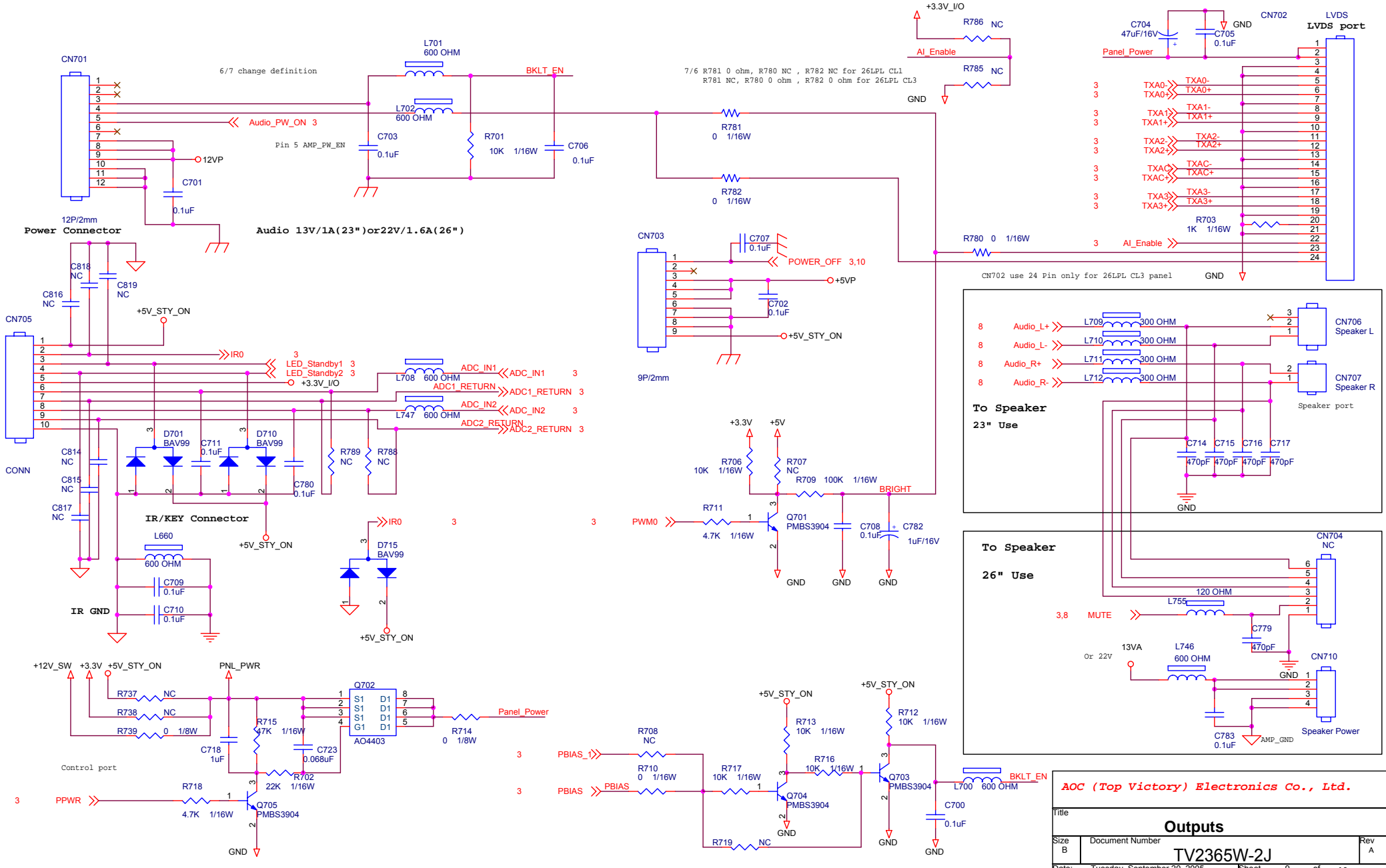
Size B Document Number: **TV2365W-2J** Rev A

Date: Tuesday, September 20, 2005 Sheet 6 of 10



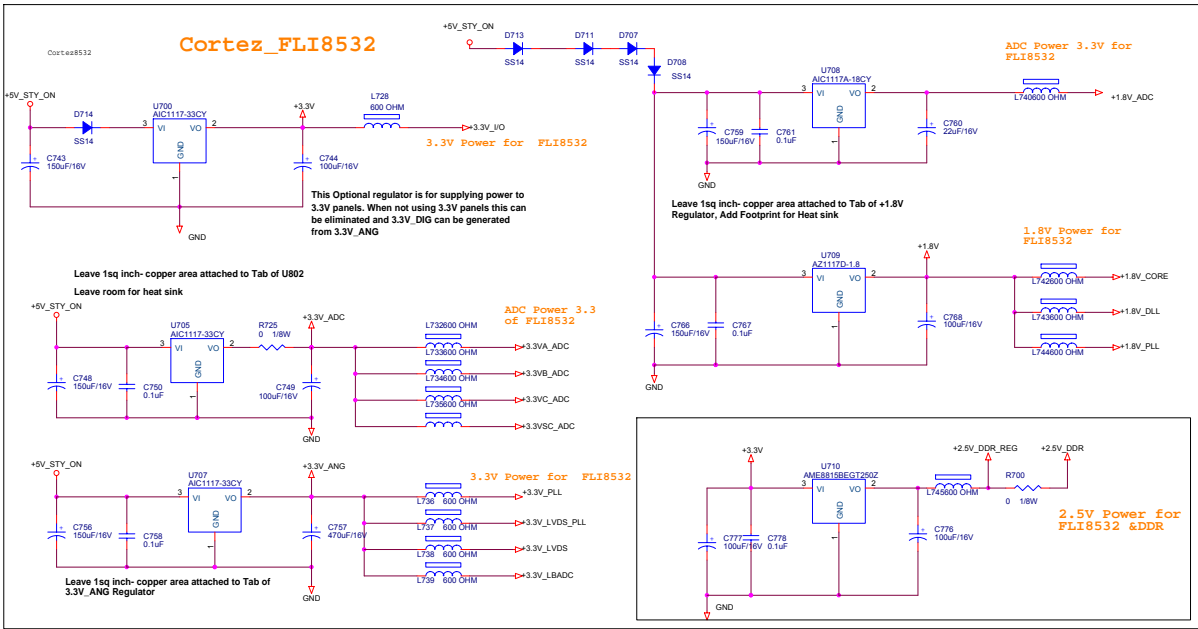
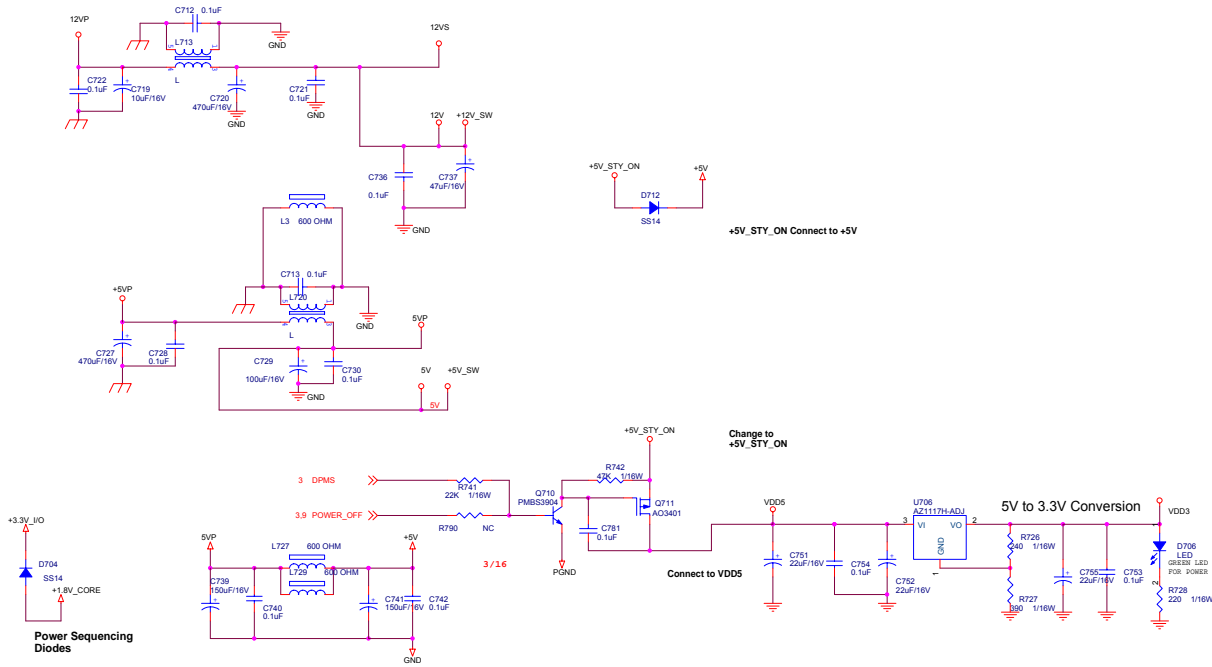
13V POWER SUPPLY

AOC (Top Victory) Electronics Co., Ltd.		
Title		
Audio AMP.		
Size	Document Number	Rev
B	TV2365W-2J	A
Date:	Tuesday, September 20, 2005	Sheet 8 of 10



AOC (Top Victory) Electronics Co., Ltd.

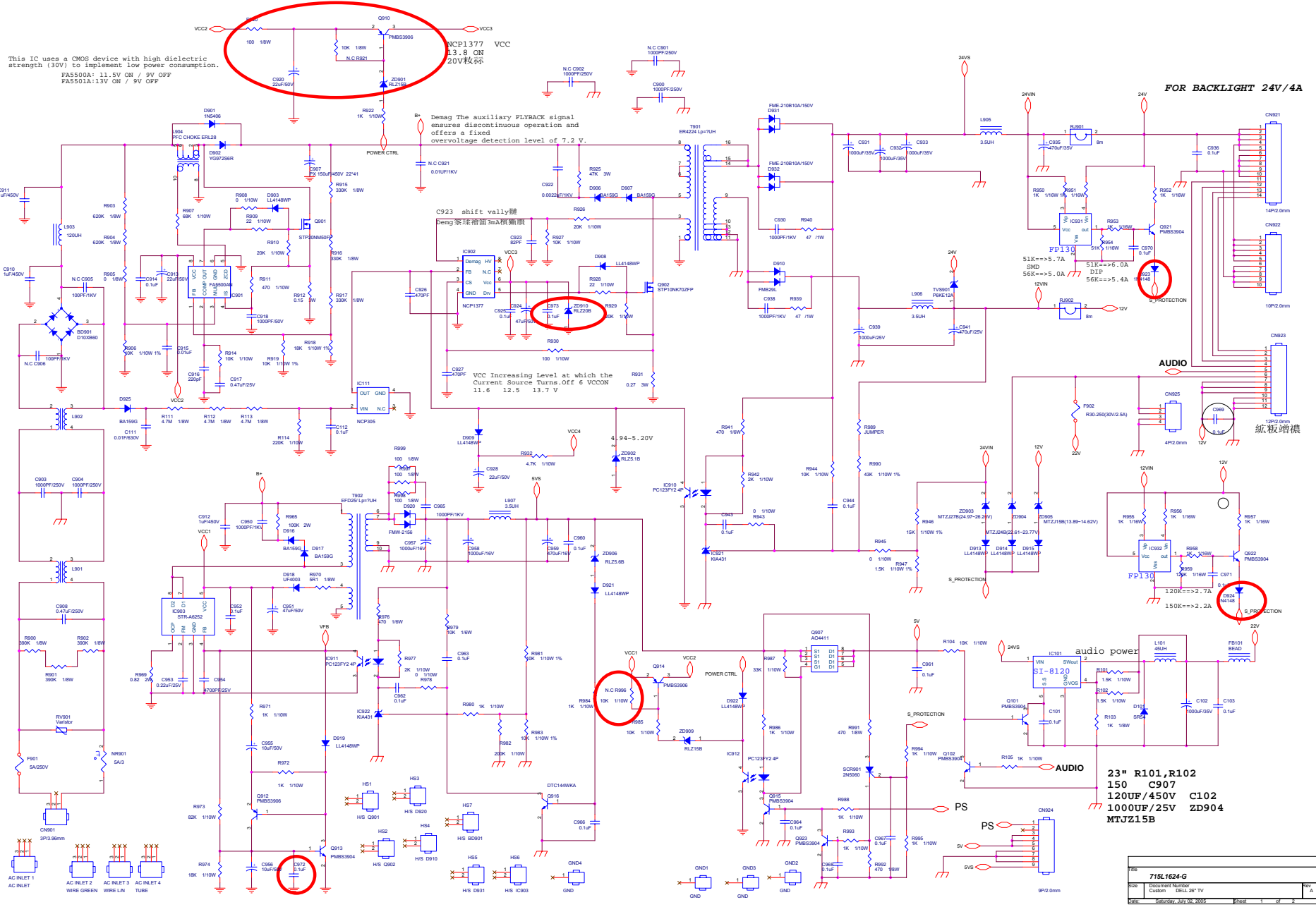
Title		
Outputs		
Size	Document Number	Rev
B	TV2365W-2J	A
Date:	Tuesday, September 20, 2005	Sheet 9 of 10



AOC (Top Victory) Electronics Co., Ltd.			
File	Power		
Size	Document Number	TV2365W-2J	Rev A
C			
Date	Tuesday, September 20, 2005	Sheet	10 of 10

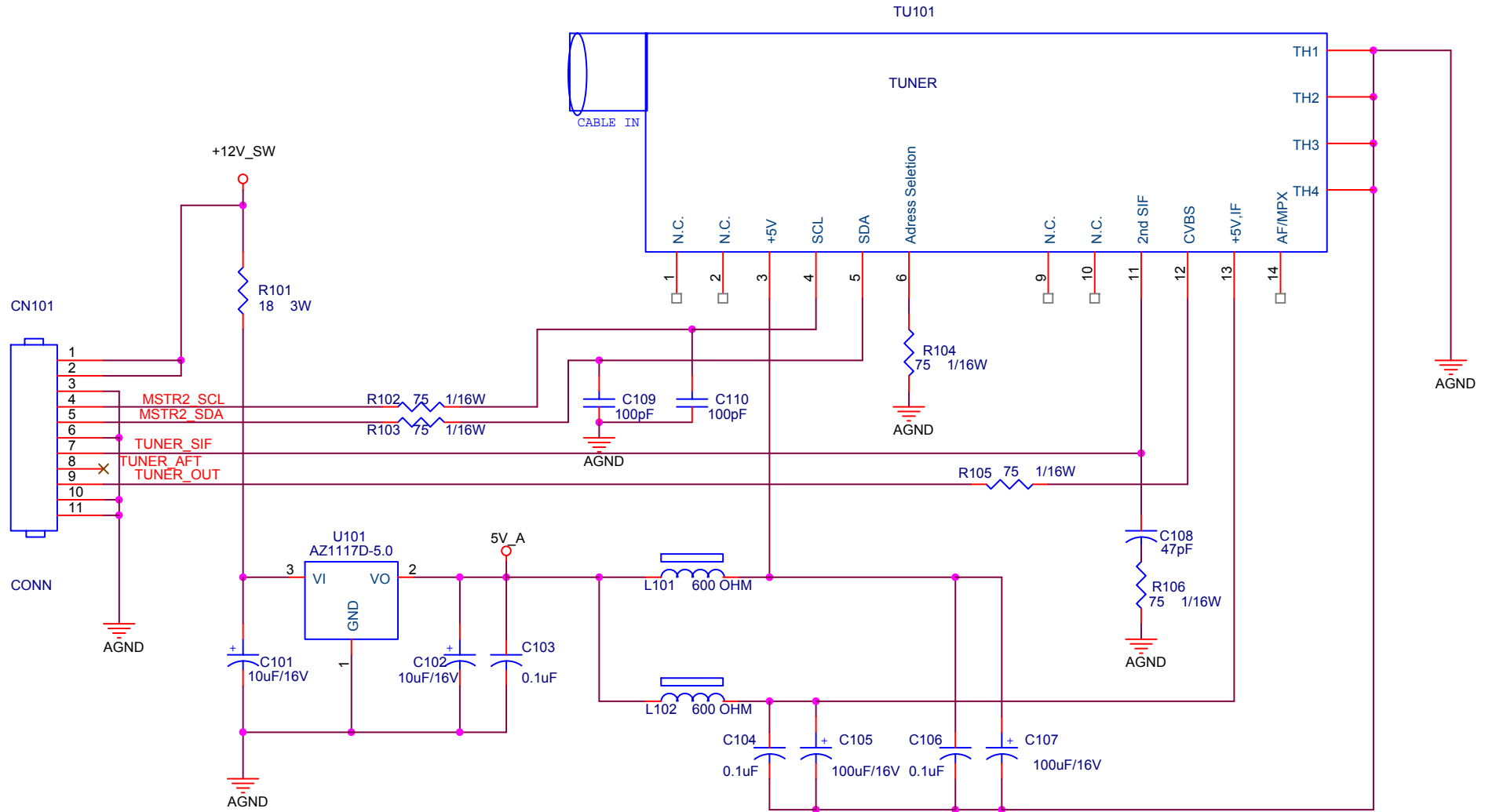
12.2 Power Board

This IC uses a CMOS device with high dielectric strength (30V) to implement low power consumption.
FA550A: 11.5V ON / 9V OFF
FA550A: 13V ON / 9V OFF



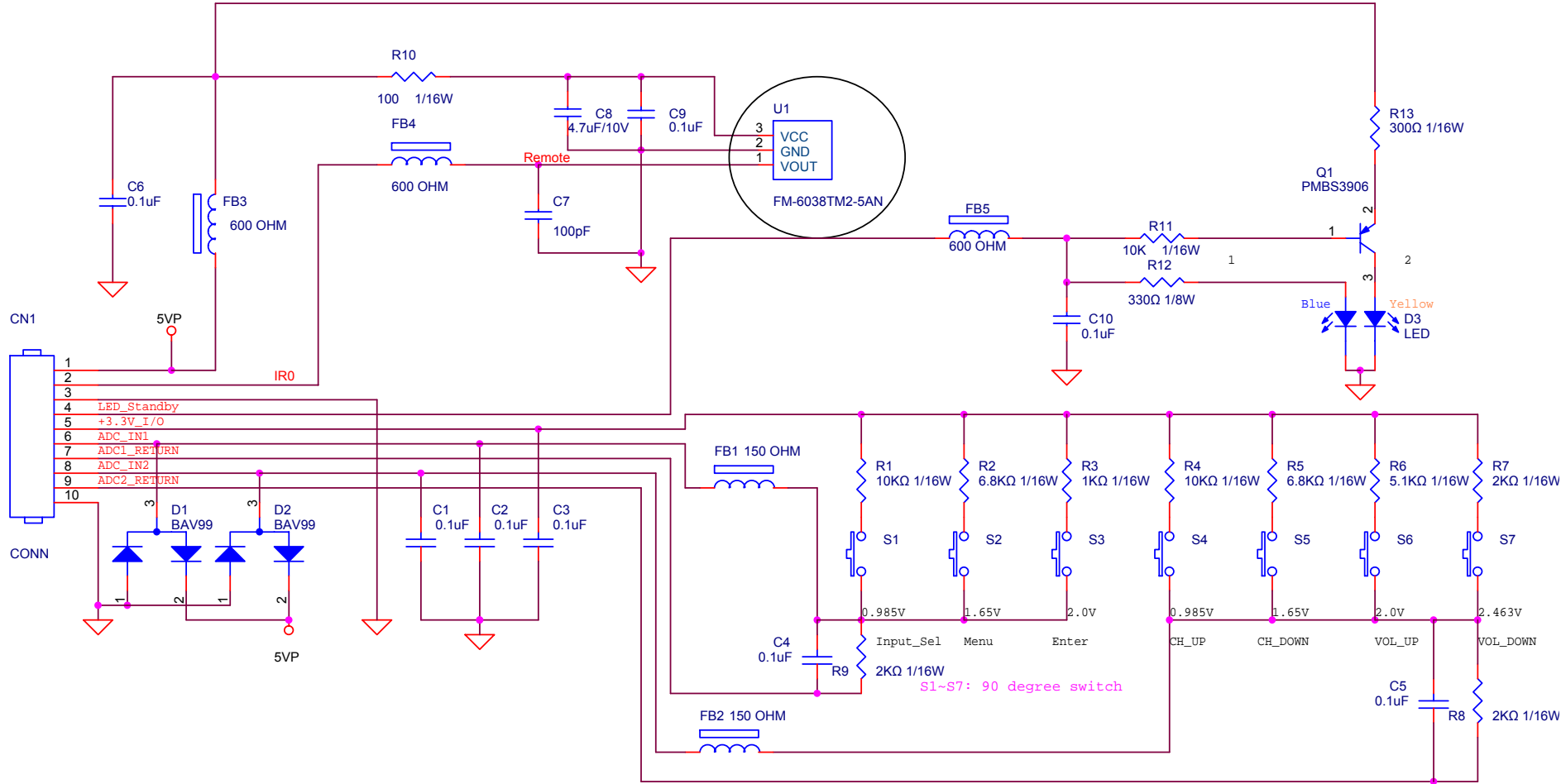
Part No	715L1624-G
Rev	A
Doc No	Document Number
Doc Desc	Custom Dell W2306 TV
Doc Date	Industry: 25/05/2005
Doc Rev	1 of 2

12.3 Tuner Board



AOC (Top Victory) Electronics Co., Ltd.		
Title		
Tuner		
Size B	Document Number TV2365W-2E (DELL)	Rev A
Date: Wednesday, May 04, 2005	Sheet 1	of 1

12.4 Key/IR Board

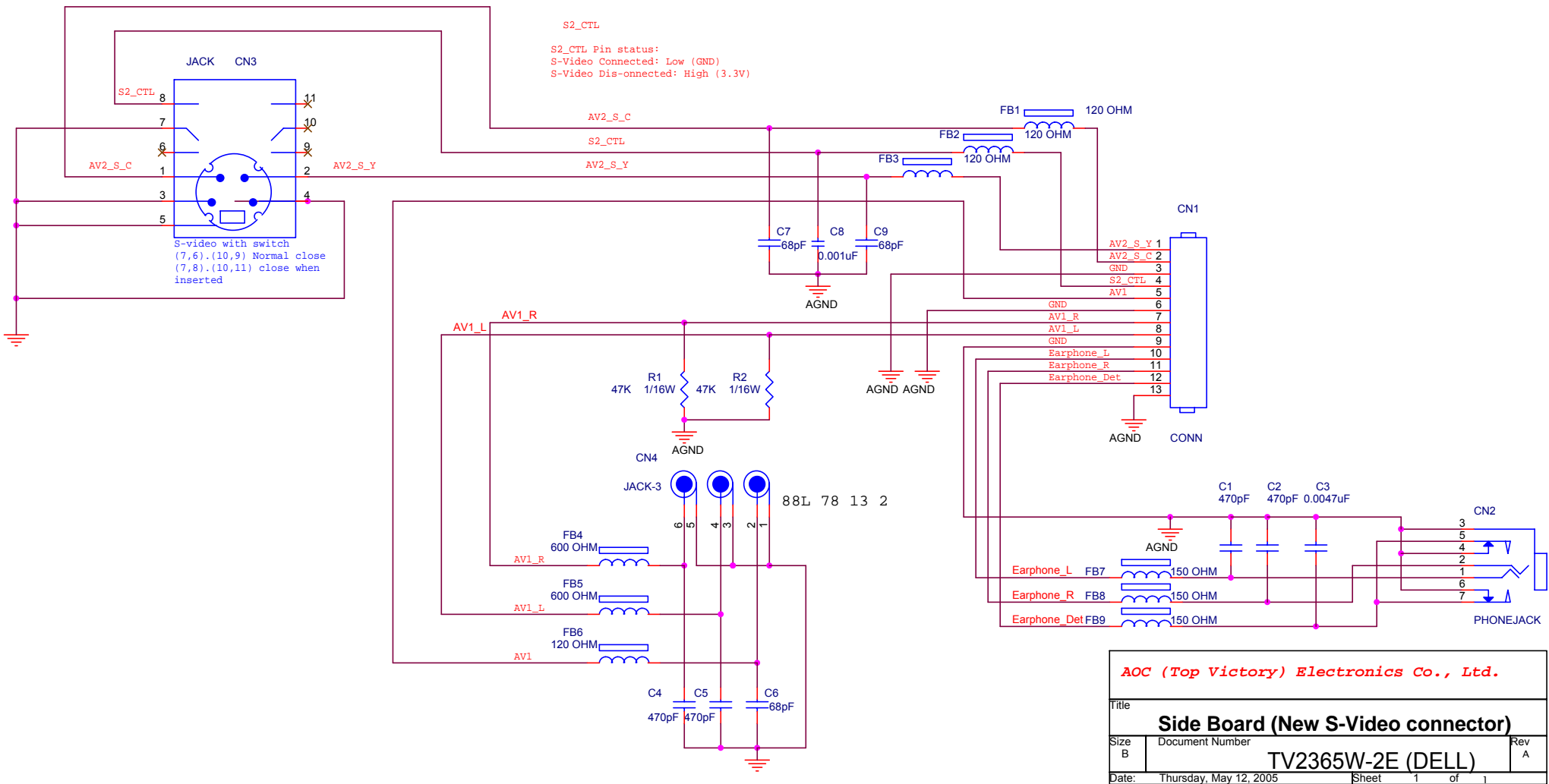


LED_Standby	5VP(Main Power)	LED	Set
H	H	Blue	On
L	H	Amber	Power Saving Remote Off

AOC (Top Victory) Electronics Co., Ltd.		
Title		
KEY/IR/LED		
Size B	Document Number	Rev A
TV2365W-2E (DELL)		
Date:	Wednesday, May 11, 2005	Sheet 1 of 1

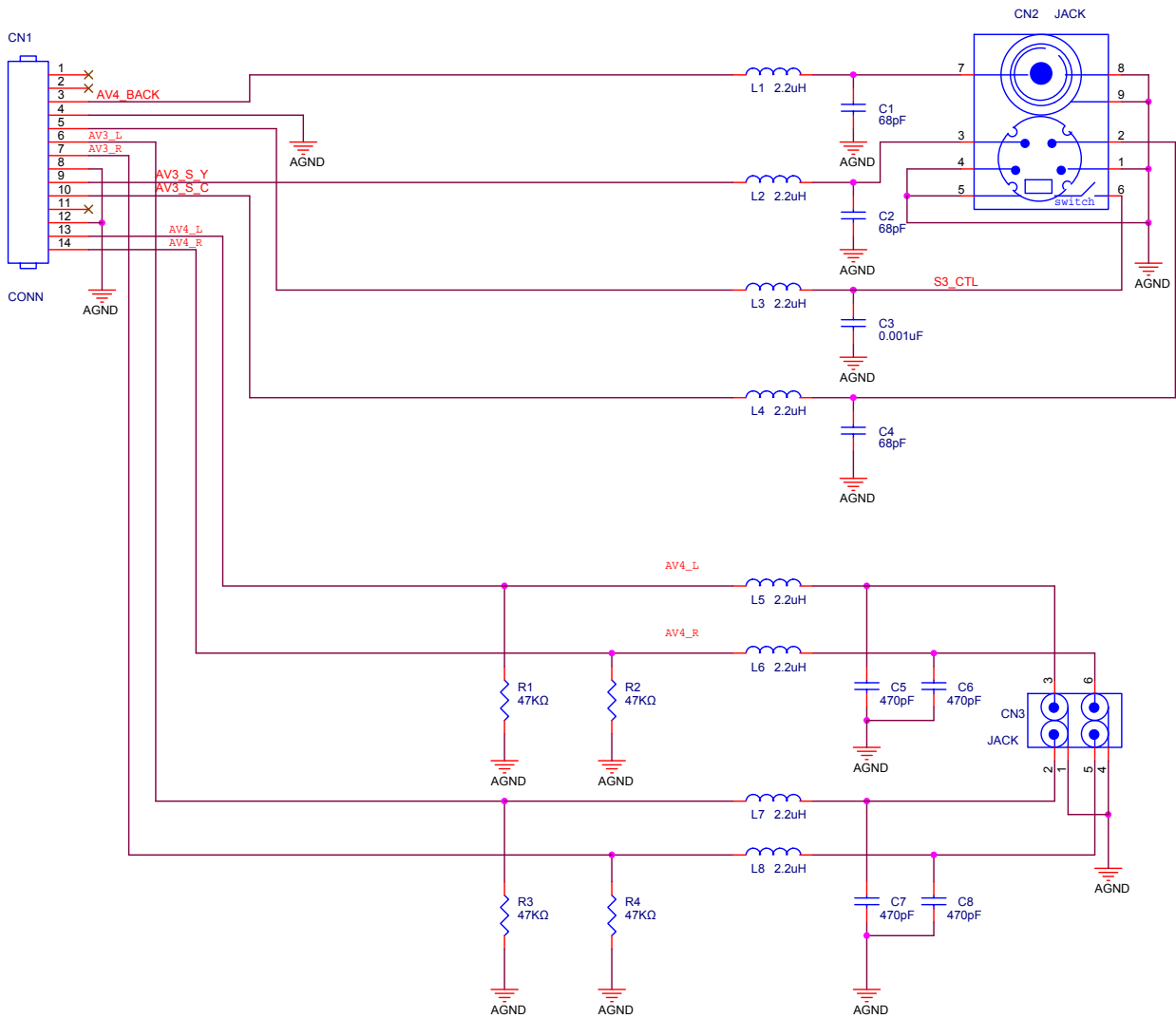
PCB_remote-led

12.5 Side Board



AOC (Top Victory) Electronics Co., Ltd.		
Title		
Side Board (New S-Video connector)		
Size B	Document Number	Rev A
TV2365W-2E (DELL)		
Date:	Thursday, May 12, 2005	Sheet 1 of 1

12.6 Back Board



<i>AOC (Top Victory) Electronics Co., Ltd.</i>		
Title BACK BOARD FOR USA		
Size B	Document Number	Rev A
Date: Monday, May 16, 2005 Sheet 1 of 1		