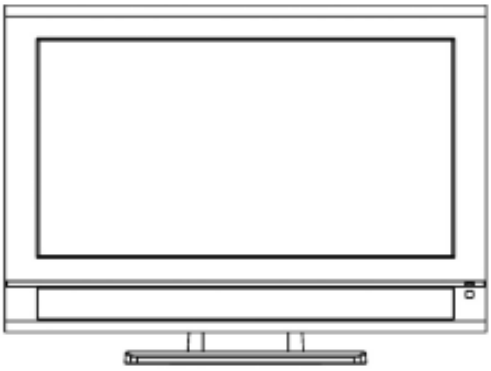
Service
Service
Service



Service Manual

Horizontal Frequency
31- 60 KHz

TABLE OF CONTENTS

SAFETY NOTICE

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

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

TPV AOC EYES VALUE

Revision List

Version	Release Date	Revision History	TPV Model
A00	Jan.-8-2007	Initial release	E326MZNKWNNRNCP

Important Safety Notice

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

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

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

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

FOR PRODUCTS CONTAINING LASER:
DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.
CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.
Take care during handling the LCD module with backlight unit
-Must mount the module using mounting holes arranged in four corners.
-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
-Make certain that treatment person's body is grounded through wristband.
-Do not leave the module in high temperature and in areas of high humidity for a long time.
-Avoid contact with water as it may a short circuit within the module.
-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

1. General Specifications

NOTE:
*This model complies with the specifications listed below.
*Designs and specifications are subject to change without notice.
*This model may not be compatible with features and/or specifications that may be added in the future.

Television System:
NTSC standard
ATSC standard (8-VSB, Clear-QAM)

Channel Coverage:
VHF: 2 through 13
UHF: 14 through 69
Cable TV: Mild band (A-8 through A-1, A through I)

Super band (J through W)
Hyper band (AA through ZZ, AAA, BBB)
Ultra band (65 through 94, 100 through 125)

Power Source:
AC power supply: 100V~240 V, 50/60 Hz

Power Consumption
≤ 180 W
1 W in standby mode (power cord plugged in and power OFF)

Audio Power
10 W + 10 W, Internal Speaker

Video/Audio Terminals:
Side AV include 1 Group:
S-Video/Video/Audio Input
Rear AV include 1 Group:
S-Video/Video/Audio Input

S-VIDEO INPUT:
Y : 1 V(p-p), 75 ohm, negative sync.
C : 0.286 V(p-p) (burst signal), 75 ohm

VIDEO/AUDIO INPUT:
VIDEO: 1 V(p-p), 75 ohm, negative sync.
AUDIO: 150 mV(rms)

Component INPUT:
Rear Component include 2 Groups:
Y : 1V(p-p), 75 ohm, including sync.
Pr/Cr: ±0.35V(p-p), 75 ohm
Pb/Cb: ±0.35V(p-p), 75 ohm
AUDIO: 150 mV(rms)
Suggested resolutions: 1080i, 720p, 480p, 480i

HDMI Terminals:
HDMI INPUT: Rear HDMI include 1 HDMI Input
HDCP compliant
E-EDID compliant
Suggested scan rates: 1080i, 720p, 480p, 480i

VGA Terminals:
VGA INPUT:
Rear VGA include 1 D-SUB 15 Pin Input
E-EDID compliant
Suggested scan rates: 640X480 /60Hz
800x600 /60Hz
1024X768 /60Hz
1360X768 /60Hz
Audio INPUT: Headphone Mini-jack for stereo (3.5Φ)

Video/Audio Output:
VIDEO: 1 V(p-p), 75 ohm, negative sync
AUDIO: 150 mV(rms)

Dimensions:
Include Stand:
813 mm(W) x640 mm(H) x 254mm(L)

Weight: 17 kg(With Stand)

Wall Mounting: Optional
VESA 200 X 200 mm

Supplied Accessories:
1pcs Power cord
1pcs Remote control
(with two AA alkaline batteries)
1pcs User manual

NOTE: This TV set does not provide HD video Output.

2. Operations Instructions

2.1 The Use of Remote Control

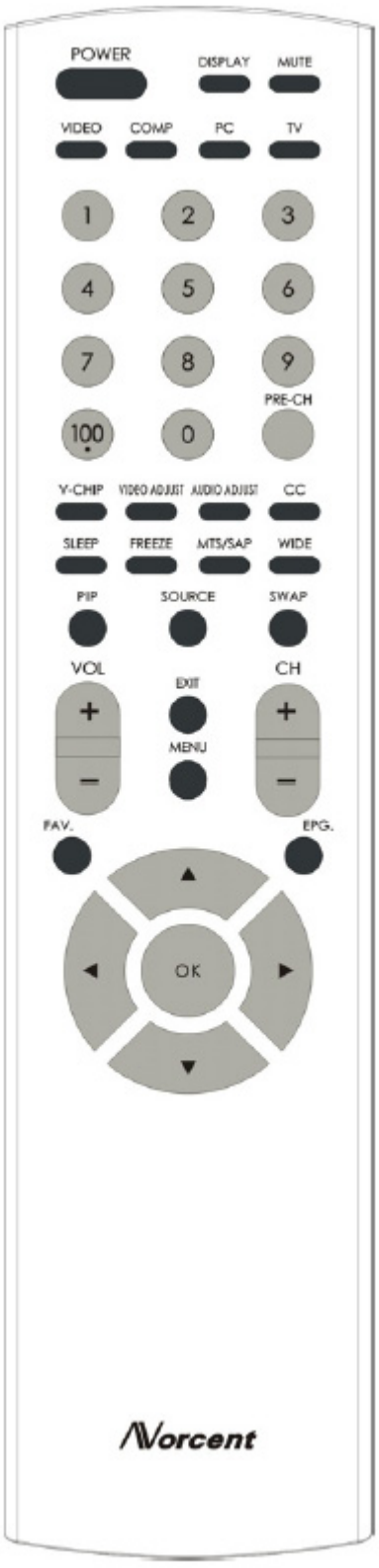
“POWER”
Press to power ON/OFF (standby) TV.
(Note:**1**.TV is never completely power off unless physically unplugged.
2.Press to turn on TV after the Power on status LED had changed to the Green color and stopped flashing.)
“VIDEO”
Press repeatedly to choose S-Video/Composite source mode (Video 1 ~ 4).

“COMP”
Press repeatedly to choose Component source mode (Video 5 ~ 6).

“PC”
Press repeatedly to choose VGA or HDMI source mode (Video 7 ~ 8).
“TV”
Press to choose ATSC/NTSC TV source mode.“0 ~ 9 /- number” Press to enter TV channel number to select channel (Press ‘-’ to indicate choosing the sub-channel).

“SLEEP”
Press to set a time period (OFF/ 30min/ 60min/ 90min) after which the TV should switch itself to standby mode.
“FREEZE”
Press to freeze the displayed picture
“VOL- / VOL+”
Press + or - to adjust the volume.
“MENU”
Press to open or exit menu.
“∧”,“∨”,“<”,“>”,“OK”
Press to adjust the various function items on the menu.

“V-CHIP”
Press to lock / unlock Parental Control temporarily. (After setting the restricted table of MPAA or TV Rating.)



“DISPLAY”
Press to show the information about the input source、TV channel、display resolution and current time.
“MUTE”
Press to set TV sound mute ON/OFF
“PREV CH”
Press to display the previous TV.

“MTS/SAP”
Press to activate the NTSC TV sounds, such as: Stereo, SAP or Mono tone.

“WIDE”
Press to choose the display aspect as: Normal, Wide, Zoom or Cinema mode.

“SOURCE”
Press repeatedly to choose the various input sources (Video 1 ~ 8). Press + or - to browse through the TV channels.

“Exit”
Press to exit menu or OSD.

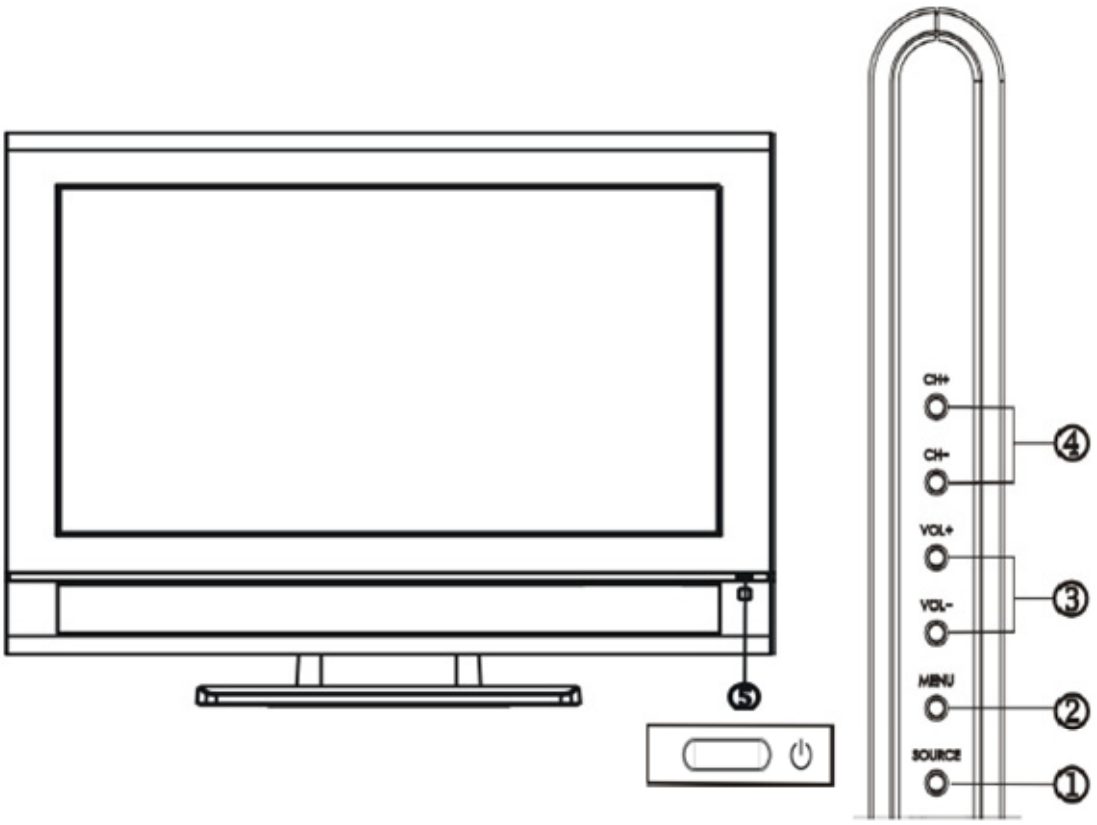
“VIDEO ADJ”
Press to choose the Brightness or Contrast adjustment.

“AUDIO ADJ”
Press to switch the ATSC multi-channel TV sounds.

“CC”
Press repeatedly to change the closed caption type as
CC ON /CC ON WHEN MUTE/CC OFF.

“EPG”
Press to show the information the same as “DISPLAY” key.
“FAV”
Press to display the favorite TV channel.
(After setting the favorite TV channel on main menu).

2.2 Front Panel Control Knobs



① SOURCE	Source key: Press to select the input source.
② MENU	Menu key: Press to open or exit the OSD menu.
③ - VOL +	VOL - : Press to decrease the sound volume level. VOL +: Press to increase the sound volume level.
④ - CH +	CH- : Press to select the next lower Program number. CH+ : Press to select the next higher Program number.
⑤ ⏻	Power key: Press to turn on / off (standby) the TV set. (Press to turn on TV after the Power-ON status LED had changed to the Green color and finished flashing.)

2.3 OSD Operations

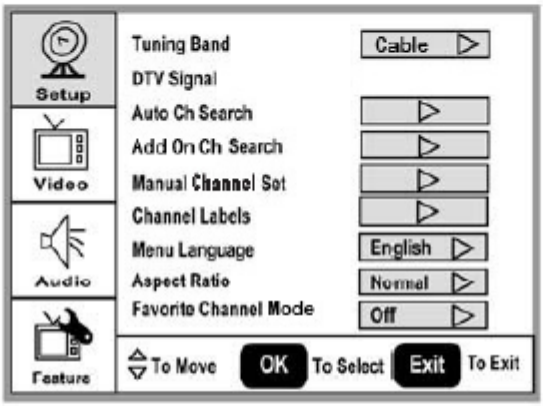
TO USE THE MENUS

1. Press the **MENU** button to display the main menu
2. Use the **cursor up/down** to select a menu item.
3. Use the **cursor left/right** to enter a submenu.
4. Press the **OK** button to enable/disable the function.
5. Press the **MENU** or **EXIT** button to exit the menu.

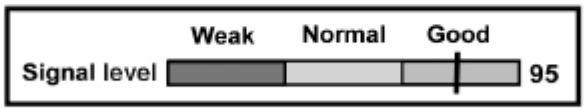
Press the MENU button to enter the main OSD (On Screen Display). Adjust the items including **Setup menu**, **Video menu**, **Audio menu** and **Feature menu**. However, some function items in the menus may only be enabled in the particular source modes.

SETUP MENU

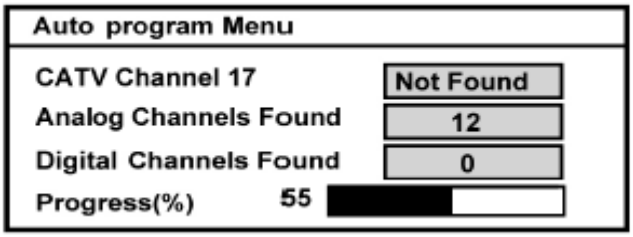
The Setup menu in TV mode shows as below. In others source modes, the Setup menu only shows **Menu Language** and **Aspect Ratio** items.



1. **Tuning Band**: Select TV source signal from the Air (antenna) or Cable (CATV).
2. **DTV Signal**: Show the intensity of the received DTV signal.



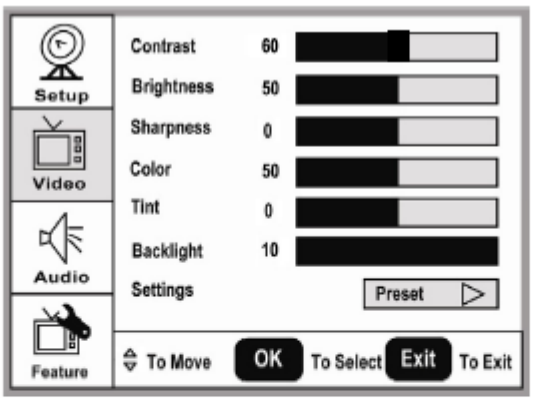
3. **Auto Ch Search**: Automatically scan all NTSC / ATSC TV channels and then store in the channel table. In channel scan process, the OSD can display the number of channels which had been found.



4. **Add on channel search:**Add channels which are new found.
5. **Manual Ch Set**: Show the channel setup table. User can choose to display the ATSC or NTSC TV channels and then edit (add/delete) the channel numbers.
6. **Channel Labels**: Show the NTSC or ATSC TV channel label menu for user modifying channel labels specifically.
7. **Menu Language**: Select the menu display language. (English /Spanish / French)
8. **Aspect Ratio**: Select the display aspect ratio. (Normal / Zoom / Wide / Cinema)
9. **Favorite Channel mode**: when favorite channel mode on user can edit favorite channel table in favorite channel set option.

VIDEO MENU

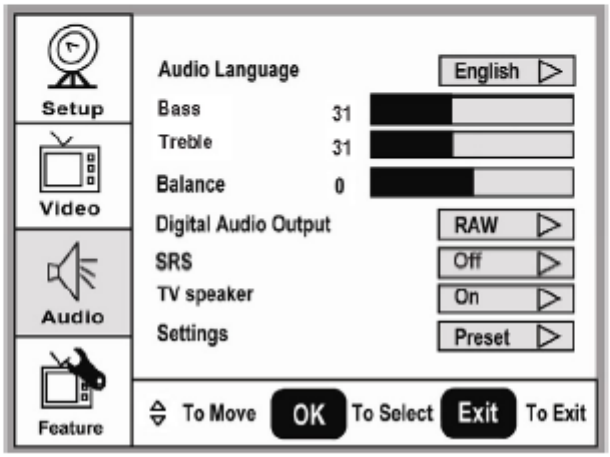
The Video menu in most source modes shows as below. It provides several video adjustment items for user fine tuning the video display. Only in VGA source modes, the Video menu simply provides **Contrast**, **Brightness**, **Back light** and **Settings (Preset)** items.



1. **Contrast**: Video contrast adjustment, the tuning range is 0 ~ 100.
2. **Brightness**: Video brightness adjustment, the tuning range is 0 ~ 100.
3. **Sharpness**: Video sharpness adjustment, the tuning range is -50 ~ 50.
4. **Color**: Video color chroma adjustment, the tuning range is 0 ~ 100.
5. **Tint**: Video tint adjustment, the tuning range is R50 ~ G50.
6. **Back Light**: Back light strength adjustment, the tuning range is 0 ~ 10.
7. **Settings**: Restore the default video settings.

AUDIO MENU

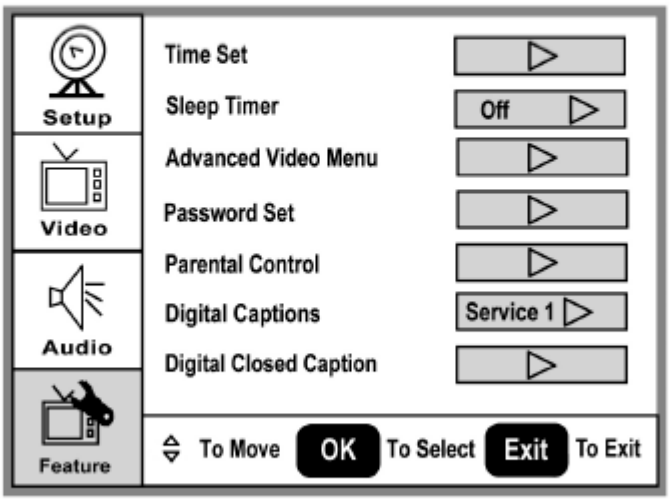
The Audio menu in TV mode shows as below. It provides some audio adjustment items for user to modify the audio setting. Excepting in ATSC TV mode, the **Audio Language** option is disable in others source modes. The audio language setting is only available in ATSC TV source. Furthermore, the **Bass** and **Treble** tuning items are only enabled while the **SRS** option set "Off" (tune-off the SRS sound effect). The Default states of **Bass** and **Treble** items are enabled as well as **SRS** option set "Off".



1. **Audio Language**: Change the audio language setting on ATSC TV programs. The number of the supported audio languages depends on the ATSC TV programs.
2. **Bass**: Bass tone adjustment, the tuning range is 0 ~ 63. (The default state is enabled)
3. **Treble**: Treble tone adjustment, the tuning range is 0 ~ 63. (The default state is enabled)
4. **Balance**: Audio balance adjustment, the tuning range is L31 ~ R31.
5. **Digital Audio Output**: Digital audio output format selection, user can choose RAW (default) or PCM format.
6. **SRS**: Choose to turn on / off the SRS sound effect. The default value is Off.
7. **TV Speaker**: Choose to turn on / off the TV internal speaker. The digital audio output signals、earphone output signals and the composite L/R audio output signals will not be turn-off even though the TV speaker is off. The default setting is On.
8. **Settings**: Restore the default audio settings.

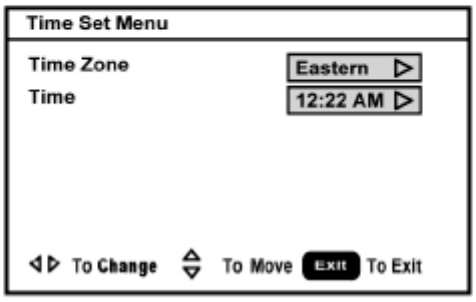
FEATURE MENU

The Feature menu in TV mode shows as below. It provides certain optional control functions such as time set, sleep timer, video noise reduction, parental control (V-chip) and close caption style setting. This menu gives users the most flexibilities to satisfy their generally demands. According to the various requirements in different source modes, certain features should be hidden (disable) on the menu. The details footnotes will be described clearly below.



1. **Time Set**: Set current time. This sub-menu includes **Time Zone** and **Time** items. 【Time Zone】item provides user to set current time zone, such as: Pacific、Alaska、Hawaii、Eastern、Central and Mountain. 【Time】item provides user to set the time clock.

1. **Time Set**: Set current time. This sub-menu includes **Time Zone** and **Time** items. 【Time Zone】item provides user to set current time zone, such as: Pacific、Alaska、Hawaii、Eastern、Central and Mountain. 【Time】item provides user to set the time clock.



2. **Sleep Timer**: Enable or disable the TV standby timer. User can set the TV standby timer **as off / 5 min / 10 min / 15 min / 30 min / 45 min / 60 min / 90 min / 120 min / 180 min / 240 min**. Timer starts to count down after cursor leaving the sub-menu. (At the moment, the item shows 『** min Left』 and the cursor highlights on the Feature icon.)

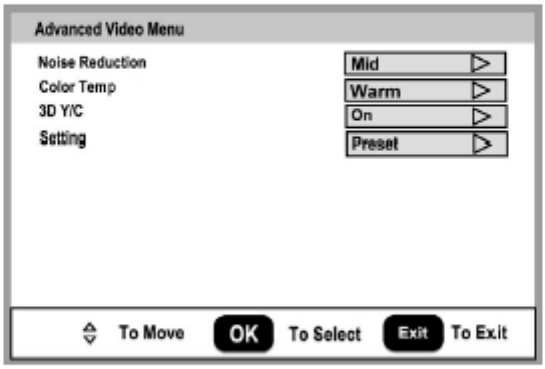
3. **Advanced Video Menu**: Provide the **Noise Reduction** setting、**Color Temperature** and **3D Y/C filter** options for enhancing video quality.

【Noise Reduction】gives four NR effect degrees, such as: Low、Mid、High and Off. The default setting is Mid.

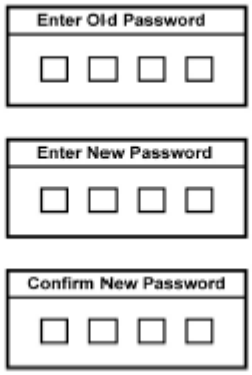
【3D Y/C】provides On / Off switches. The default setting is On.

【Color Temp】gives three color temperature modes as: Normal、Warm and Cool. The default mode is Warm.

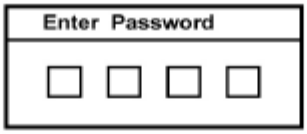
【Setting】restores the default advanced video option settings.

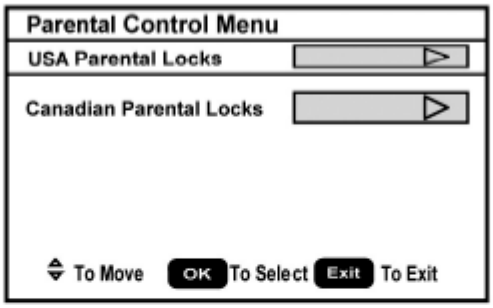


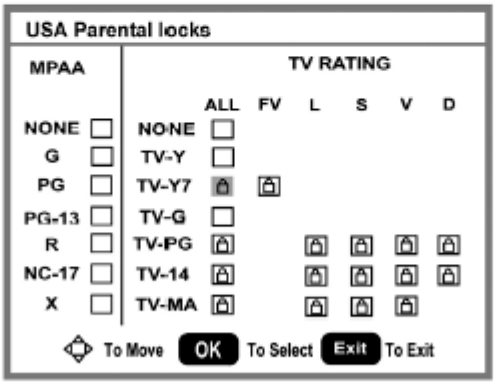
4. **Password Set**: Change the 4-numeral parental control password. Three steps are required for changing the password: *Enter Old Password -> Enter New Password -> Confirm New Password*. Note: This item is only available in TV, Composite and S-Video source modes. The default password is 『*0 0 0 0*』.



5. **Parental Control**: provide the parental Control (V-chip) function setting. Before entering the Parental Control sub-menu, user has to key in the password first. Then enter the *Parental Lock* item, User can modify the restricted table about MPAA or TV Rating respectively. While exiting the sub-menu, the parental control function is working. The inhibitive channels or source signals can be un-lock through pressing the V-CHIP key on the remote control and then key in the correct password. Note: This feature is only available in TV, Composite and S-Video source modes. (The default password is: 0 0 0 0.)





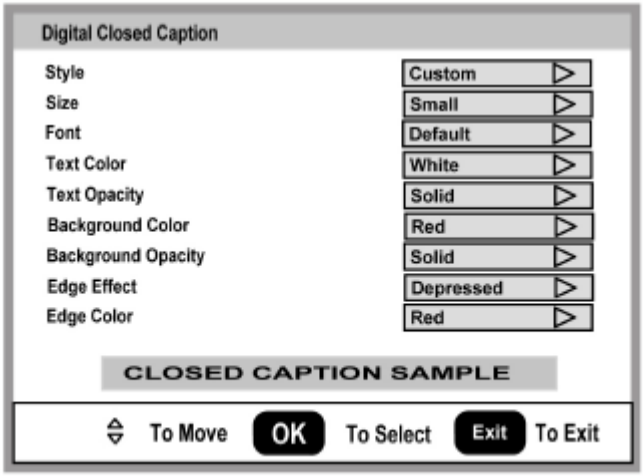


6. Digital caption: Select the close caption options (Service 1-6, Text 1-4 and CC 1-4) in digital TV mode. When select service 1 to service 6 you can modulate parameters in the Digital Close Caption.

7. **Digital Close Caption**: Provide numerous options for setting the close caption style. In the sub-menu.

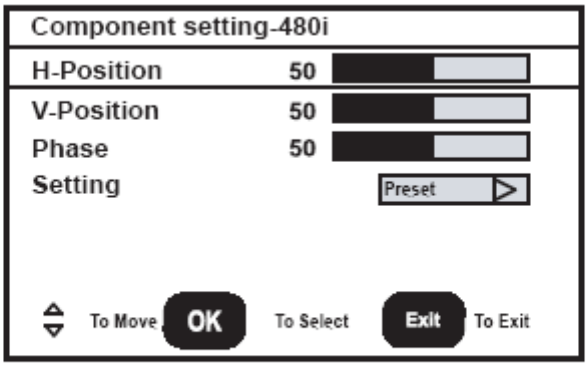
【Style】item can be set as Automatic or Custom mode.

If Custom mode is selected, user can modify the detail styles described below. The setting result will be shown immediately on the bottom side of the sub-menu OSD. Note: This feature is only available in Digital TV (ATSC) mode.

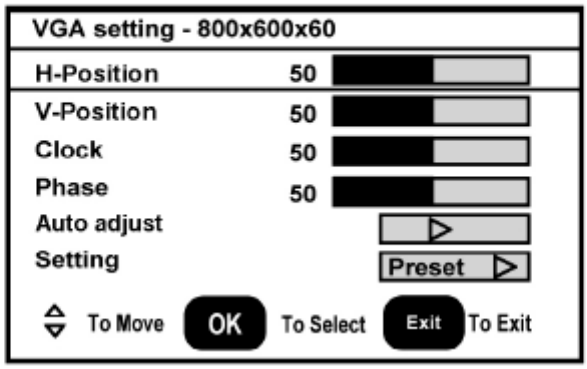


【Size】: Digital close caption font size, which can be set as Small、Normal or Large.
【Font】: Digital close caption font style, which can be chosen as Default or Font 1 ~ 7.
【Text Color】: Giving Red / Green / Blue / Yellow / Magenta / Cyan / Black / White Colors.
【Text Opacity】: Giving Transparent / Translucent / Solid / Flashing modes.
【Background Color】: Giving Red / Green / Blue / Yellow / Magenta / Cyan / Black / White Colors.
【Background Opacity】: Giving Transparent / Translucent / Solid / Flashing modes.
【Edge Effect】: The text edge effects, which gives None / Raised / Depressed / Uniform / Left Shadow / Right Shadow modes.
【Edge Color】: The colors of text edge effects, which provides Red / Green / Blue / Yellow / Magenta / Cyan / Black / White Colors.

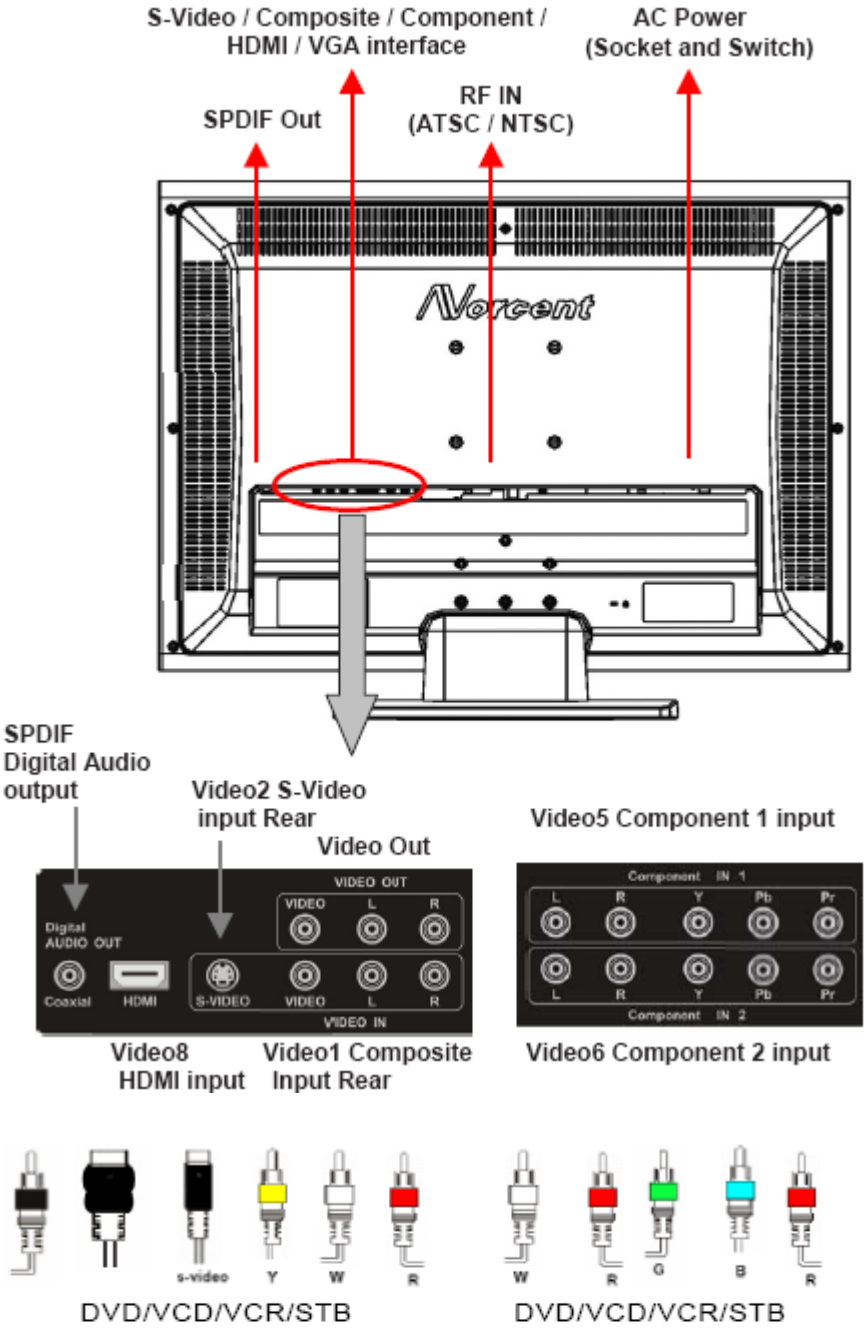
8. **Component Set**: This option only shows and is available in component mode, which provides several items for the component display fine tuning, such as : 【H-Position】、【V-Position】and 【Phase】. All these items giving the tuning range from 0 to 100. 【Setting】item provides the default component setting values restoring.



9. **VGA Set**: This option only shows and is available in VGA mode, which provides several items for the VGA display fine tuning, such as : 【H-Position】、【V-Position】、【Clock】and 【Phase】. All these items giving the tuning range from 0 to 100. 【Setting】item provides the default VGA setting values restoring.



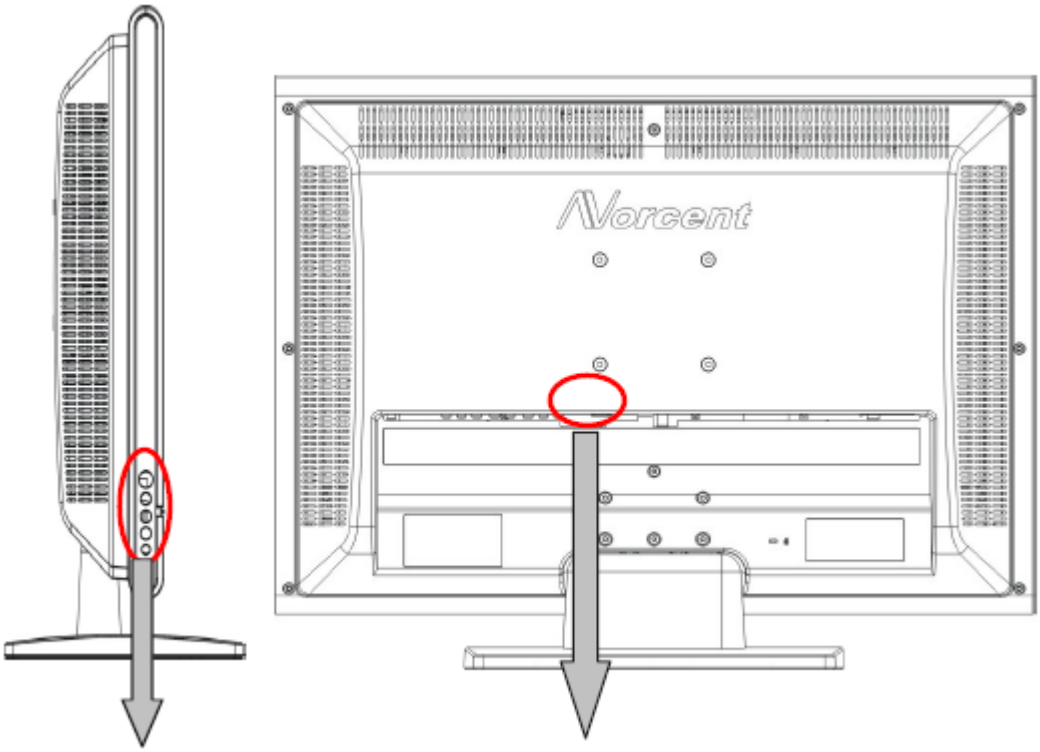
2.4 How to Connect

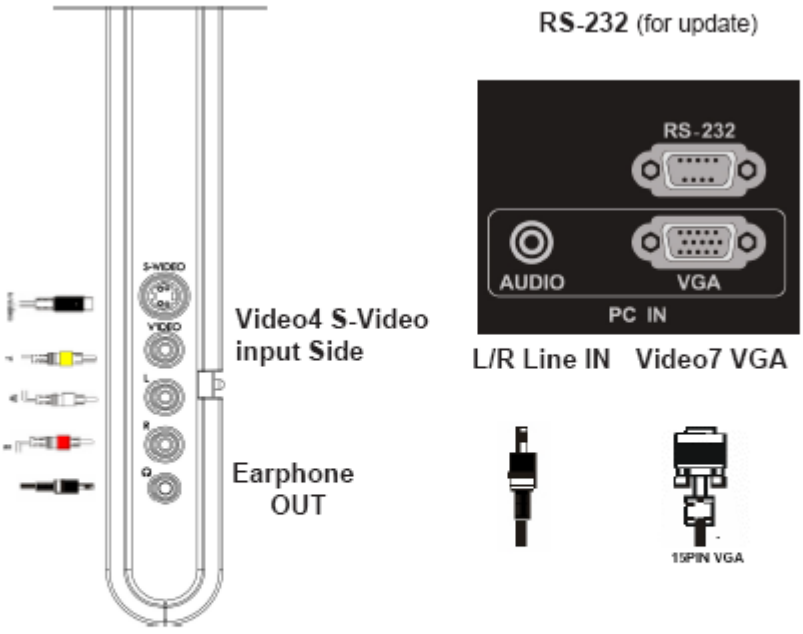


DVD/VCD/VCR/STB DVD/VCD/VCR/STB

Once your equipment is connected, use the following procedure to view the input signal:
Press the source button on the remote controller to select the relevant source to view. (ex: Press VIDEO button to select "Video1 Composite Rear" if you have connected a DVD player to Video1 Composite socket.)

"HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."





RS-232 (for update)

Video4 S-Video input Side

L/R Line IN Video7 VGA

Earphone OUT

Video3 Composite Input Side

DVD/VCD/VCR/STB

PC L/R Line Output of PC terminal

15-pin D-Sub VGA Output of PC terminal

Note: The MUTE key on the remote control works on both TV internal speaker and the earphone output.

3. Input/Output Specification

3.1 Input Signal connector

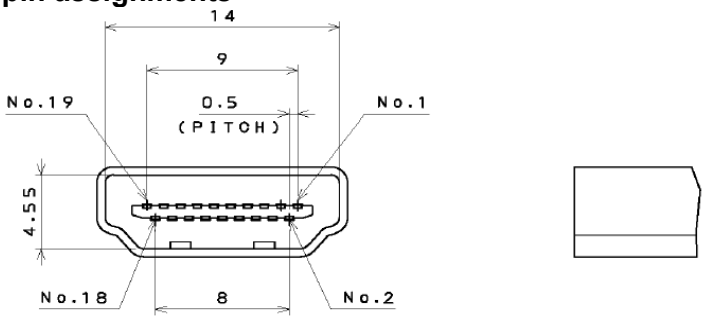
This procedure gives you instructions for installing and using the LCD TV display.
Lay the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the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

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

15 - Pin Color Display Signal Cable

Pin	Signal Assignment	Pin	Signal Assignment
1	Red Video	9	No Pin!
2	Green Video	10	Sync. Ground
3	Blue Video	11	SDA (Remote Control)
4	SCL (Remote Control)	12	Serial Data for DDC
5	GROUND	13	Horizontal Sync.
6	Red Video Ground	14	Vertical Sync.
7	Green Video Ground	15	Serial Clock for DDC
8	Blue Video Ground		

HDMI Digital connector pin assignments



Pin	Signal Assignment	Pin	Signal Assignment
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	NC
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

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:

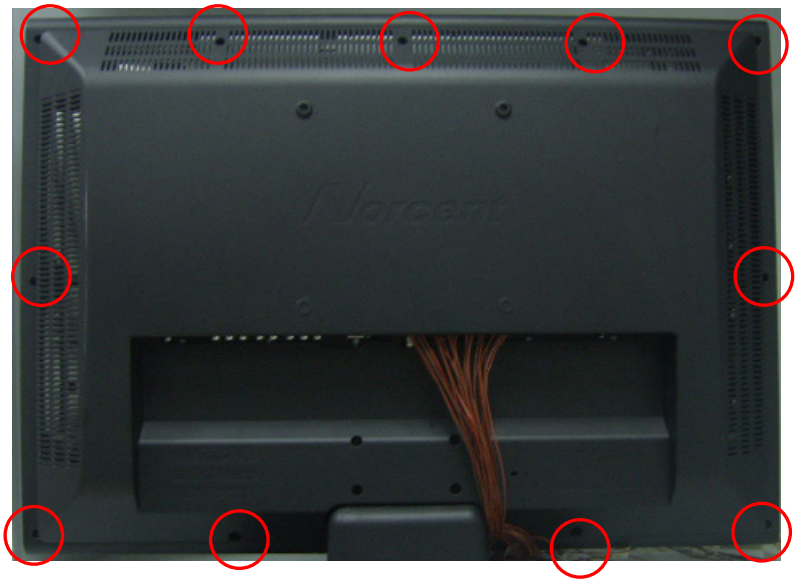
Analog RGB input signal timing

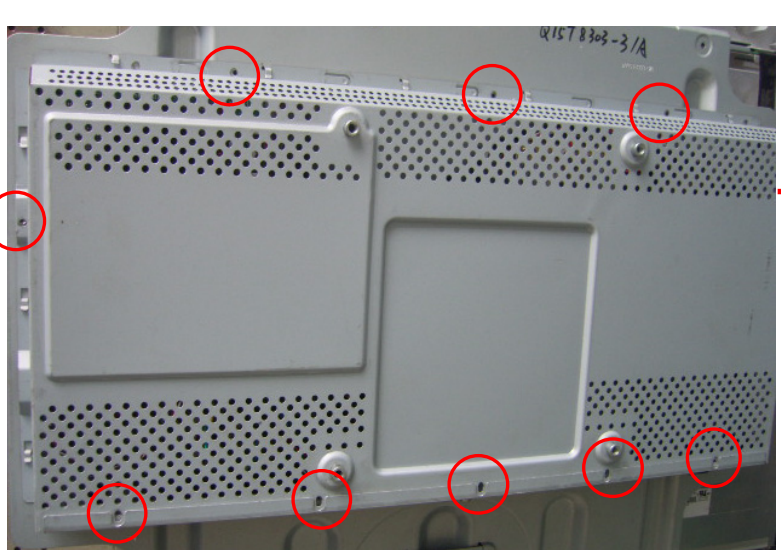
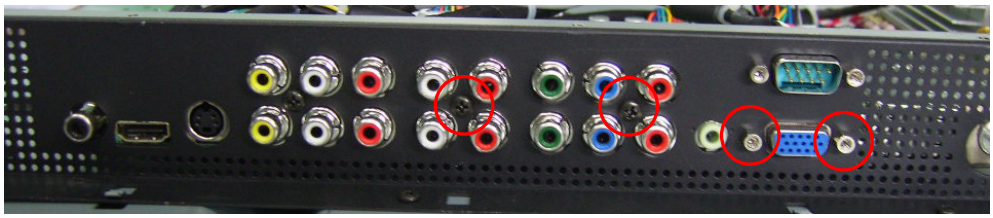
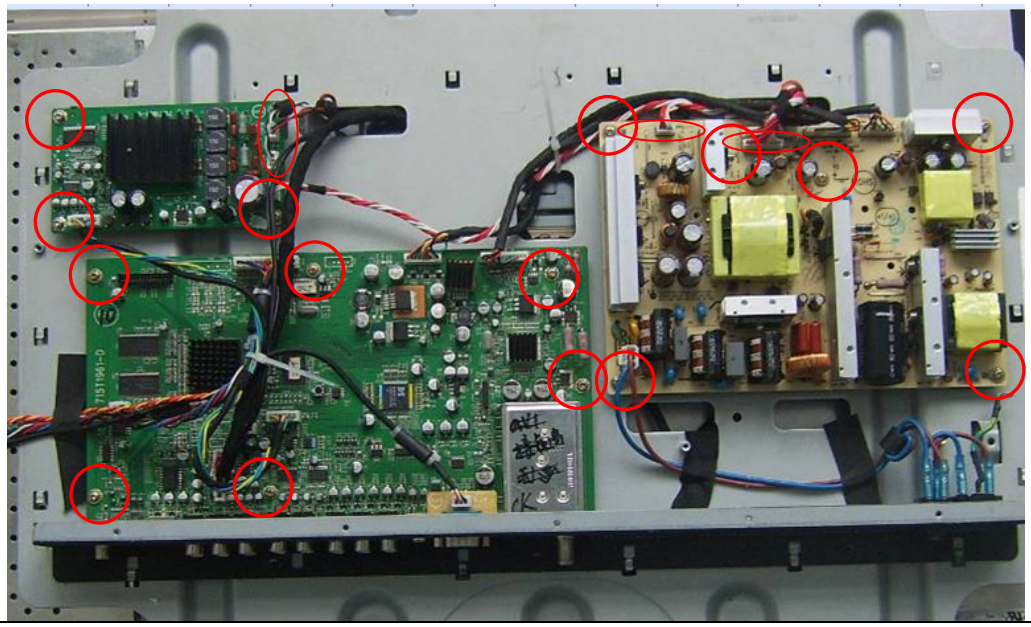
VESA MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency (KHz)	Sync Polarity	Nominal Freq. (Hz)	Sync Polarity	Nominal Pixel Clock (MHz)
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.5	N	75	N	31.500
SVGA	800x600@56Hz	1024 x 625	35.156	P	56.25	P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.097	P	72.188	P	40.000
	800x600@75Hz	1056 x 625	460875	P	75	P	49.5
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
WXGA	1360x768@60Hz	1792x795	47.712	P	60.015	P	85.5

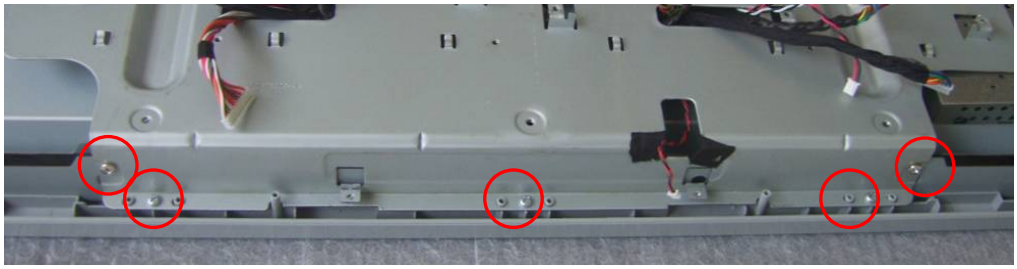
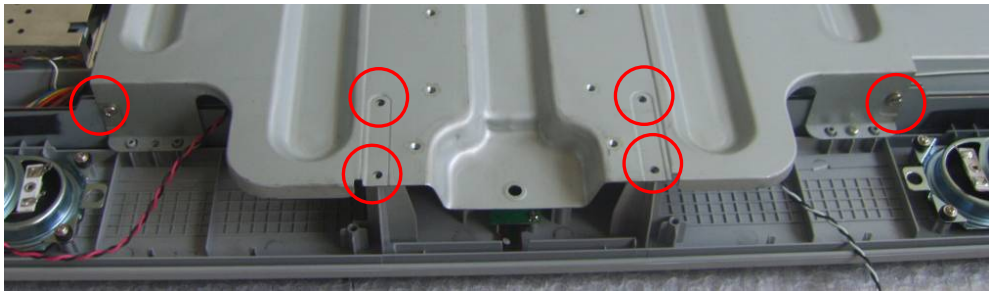
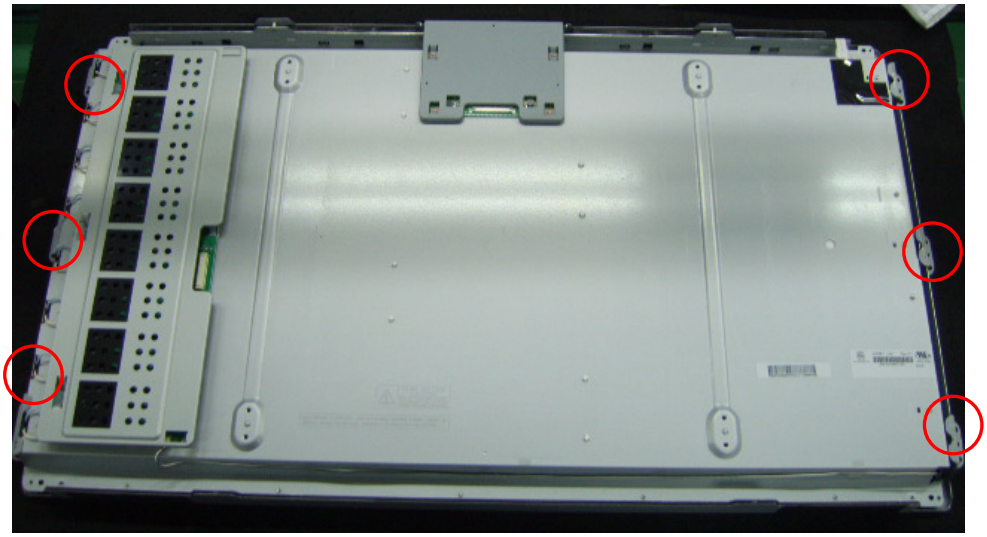
HDMI input signal timing

VESA MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency (KHz)	Sync Polarity	Nominal Freq. (Hz)	Sync Polarity	Nominal Pixel Clock (MHz)
720P	1280×720P		45.00		60		74.25
1080i	1920X1080i		33.75		60		74.25
480P	720X480P		31.54		60		27.00
480i	720X480i		15.75		60		13.51

4. Mechanical Instructions

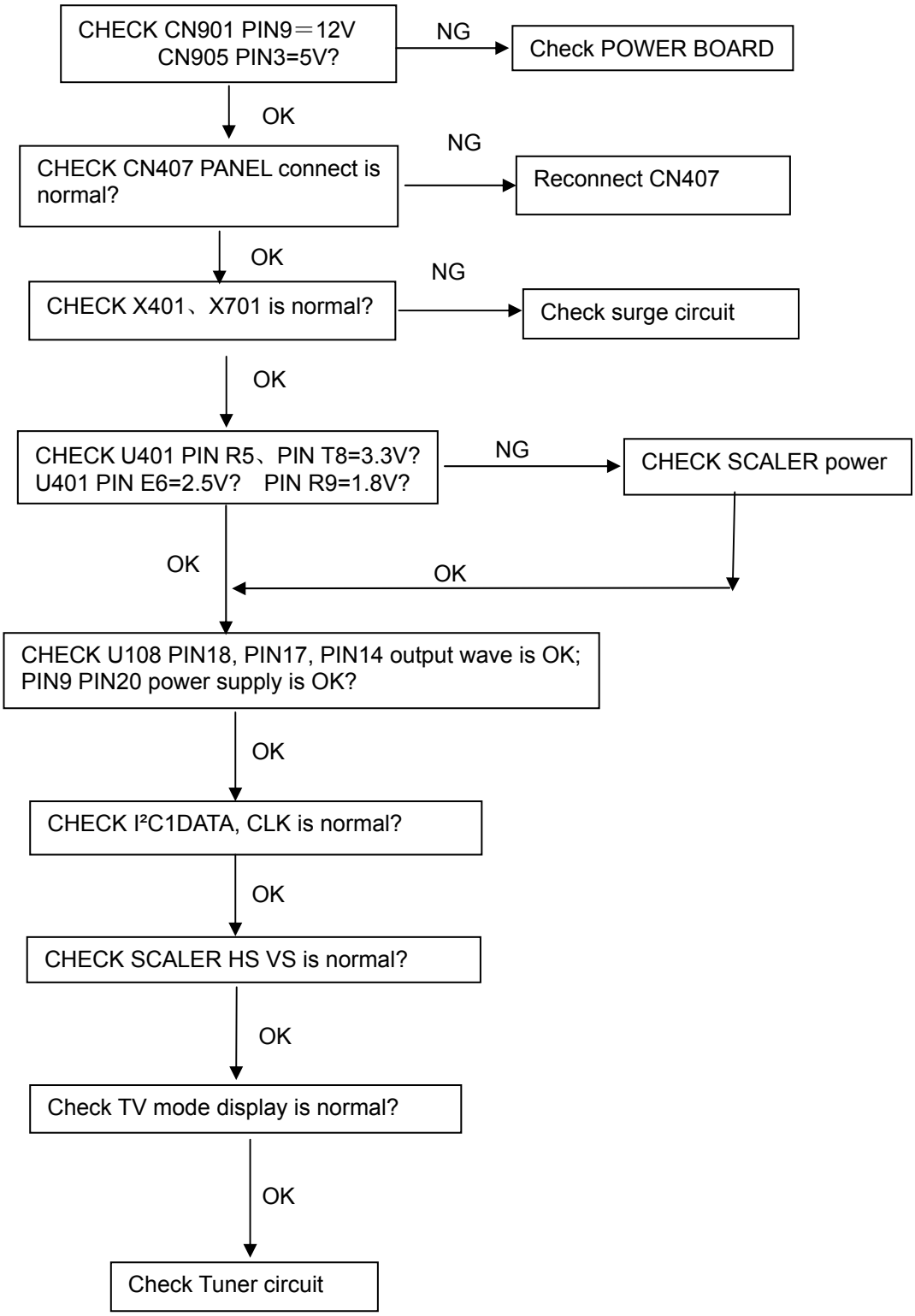
Step	Figure	Description
Preparation and remove the base		Remove the screws remarked in red.
Remove back cover		Remove the screws remarked in red.

Remove the shield	  	Remove the screws remarked in red
Remove the boards		Remove connector an the screws remarked in red

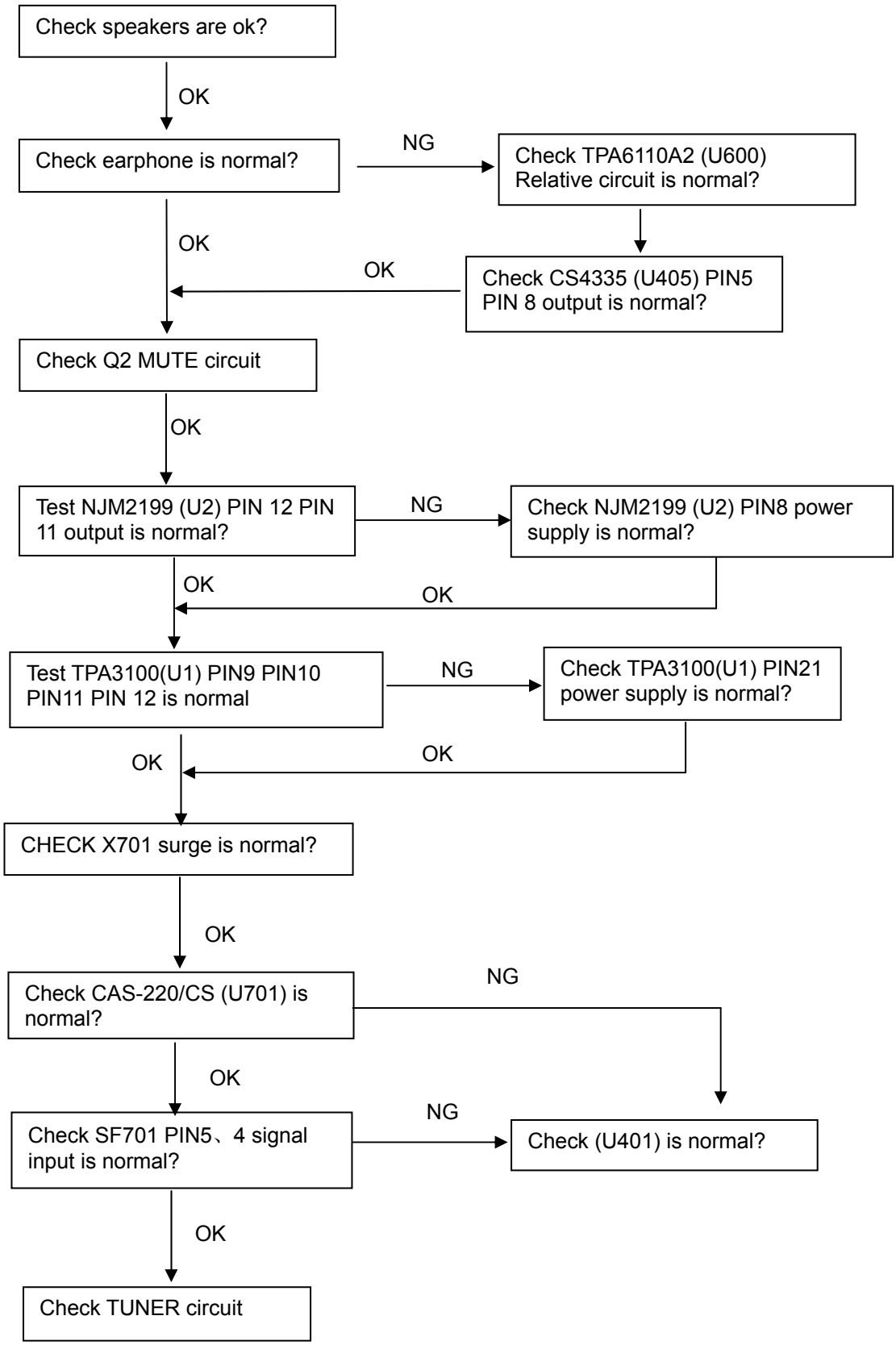
Remove main frame	  	Remove the screws remarked in red
Remove the bezel		Remove the screws remarked in red

5. Repair Flow Chart

5.1 Abnormal display



5.2 No sound


Check speakers are ok?
OK
Check earphone is normal?
NG
Check TPA6110A2 (U600) Relative circuit is normal?
OK
OK
Check CS4335 (U405) PIN5 PIN 8 output is normal?
Check Q2 MUTE circuit
OK
Test NJM2199 (U2) PIN 12 PIN 11 output is normal?
NG
Check NJM2199 (U2) PIN8 power supply is normal?
OK
OK
Test TPA3100(U1) PIN9 PIN10 PIN11 PIN 12 is normal
NG
Check TPA3100(U1) PIN21 power supply is normal?
OK
OK
CHECK X701 surge is normal?
OK
Check CAS-220/CS (U701) is normal?
NG
OK
Check SF701 PIN5、4 signal input is normal?
NG
Check (U401) is normal?
OK
Check TUNER circuit

6. White Balance, Luminance Adjustment

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

First adjust PC mode and then adjust AV mode, HDMI mode, component 480i mode, component 480p mode. Before started adjust white balance, please set the Chroma-7120 MEM. Channel 01 to Cold color MEM. and channel 03 to Normal color, MEM. and channel 04 to warm color, MEM.(Our cold parameter is x = 291, y =306; normal parameter is x =299, y =315; warm parameter is x =308, y =325)

Color Temp.		Cold	Normal	Warm
PC MODE	x	291	299	308
	y	306	315	325
	Y	350	350	350
AV MODE	x	291	299	308
	y	306	315	325
	Y	450	450	450
HDMI	x	291	299	308
	y	306	315	325
	Y	420	420	420
COMPONENT（480i/480p）	x	291	299	308
	y	306	315	325
	Y	450	450	450

Note: The tolerance of the color coordinates should be less than ± 20.

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

Note: Step of AV, HDMI, COMPONENT480i, COMPONENT480p mode adjustment is the same as PC mode,

PC mode:

Ⅰ. In the TV mode adjust volume to zero and press number key 9 → 8 → 7 → 6. It will achieve the factory mode. Select the item of White Balance and press right key to enter it.

In the White Balance you can adjust 8 items.
1-3 items is RO, GO, BO → R, G, B Bias adjust.
4-6 items is RG, GG, BG → R, G, B Gain adjust.
7 item needn't adjust
8 items is color temperature select: Cool, Normal, and Warm.

Ⅱ. Bias (Low luminance) adjustment:

1. Set the raster pattern (Black pattern with 1024×768) Input.
2. Adjust the brightness on OSD until chroma 7120 measurement reach the lowest value.

Ⅲ. Gain adjustment:

A. Adjust Cold color-temperature:

1. Set the Contrast of OSD function to 80 and Adjust Brightness to chroma-7120 Y>350 cd/m2
2. Switch the chroma-7120 to RGB-mode (with press "MODE" button)
3. Switch the MEM. channel to Channel 01 (with up or down arrow on chroma-7120)
4. The LCD-indicator on chroma-7120 will show x =291, y =306, Y>350cd/m2
5. Adjust the 4 item: RG, until chroma 7120 indicator reached the value R=100
6. Adjust the 5 item: GG, until chroma-7120 indicator reached the value G=100
7. Adjust the 6 item: BG, until chroma-7120 indicator reached the value B=100
8. Repeat above procedure until chroma-7120 RGB value meet the tolerance =100±2
9. Switch the chroma-7120 to x, y, Y mode with press "MODE" button to check the color temp is in SPEC. or not.
10. Enter the 8 item to select another color temperature to adjust.

B. Adjust Normal color-temperature:

1. Set the Contrast of OSD function to 80 and Adjust Brightness to chroma-7120 Y>350cd/m2
2. Switch the chroma-7120 to RGB-mode (with press "MODE" button)
3. Switch the MEM. channel to Channel 03 (with up or down arrow on chroma-7120)
4. The LCD-indicator on chroma-7120 will show x =299, y =315, Y>350cd/m2
5. Adjust the 4 item: RG, until chroma 7120 indicator reached the value R=100
6. Adjust the 5 item: GG, until chroma-7120 indicator reached the value G=100
7. Adjust the 6 item: BG, until chroma-7120 indicator reached the value B=100
8. Repeat above procedure until chroma-7120 RGB value meet the tolerance =100±2
9. Switch the chroma-7120 to x, y, Y mode with press "MODE" button to check the color temp is in SPEC. or not.
10. Enter the 8 item to select another color temperature to adjust.

C. Adjust Warm color-temperature:

1. Set the Contrast of OSD function to 80 and Adjust Brightness to chroma-7120 Y>350cd/m2
2. Switch the chroma-7120 to RGB-mode (with press "MODE" button)
3. Switch the MEM. channel to Channel 04 (with up or down arrow on chroma-7120)
4. The LCD-indicator on chroma-7120 will show x =308, y =324, Y>350cd/m2
5. Adjust the 4 item: RG, until chroma 7120 indicator reached the value R=100
6. Adjust the 5 item: GG, until chroma-7120 indicator reached the value G=100
7. Adjust the 6 item: BG, until chroma-7120 indicator reached the value B=100
8. Repeat above procedure until chroma-7120 RGB value meet the tolerance =100±2
9. Switch the chroma-7120 to x, y, Y mode With press "MODE" button to check the color temp is in SPEC. or not.
10. Enter the 8 item to select another color temperature to adjust.

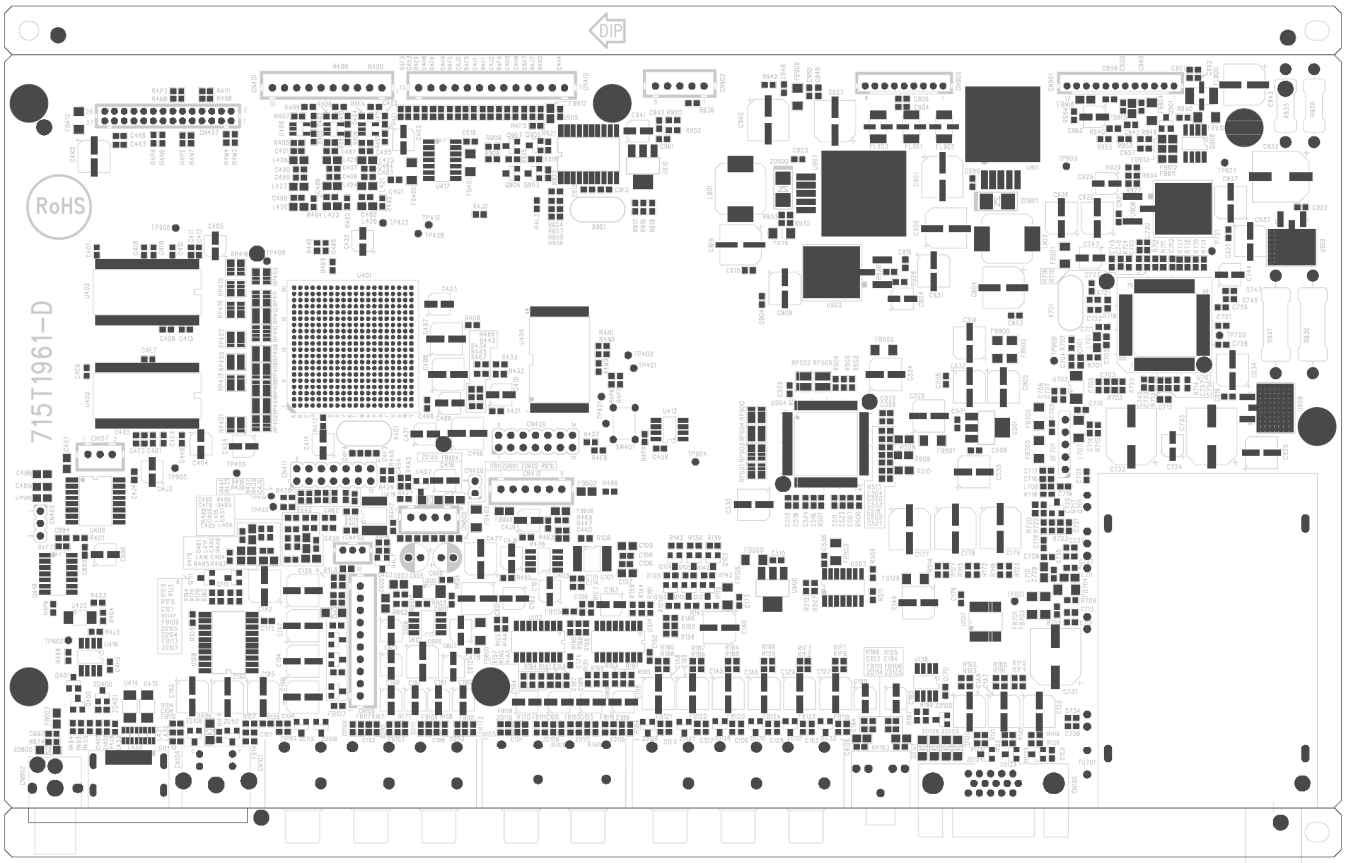
Ⅳ.Switch different source:

Press the source key on the remote control to switch different source to adjust the AV, HDMI, CONPONENT 480i and COMPONENT 480p mode.

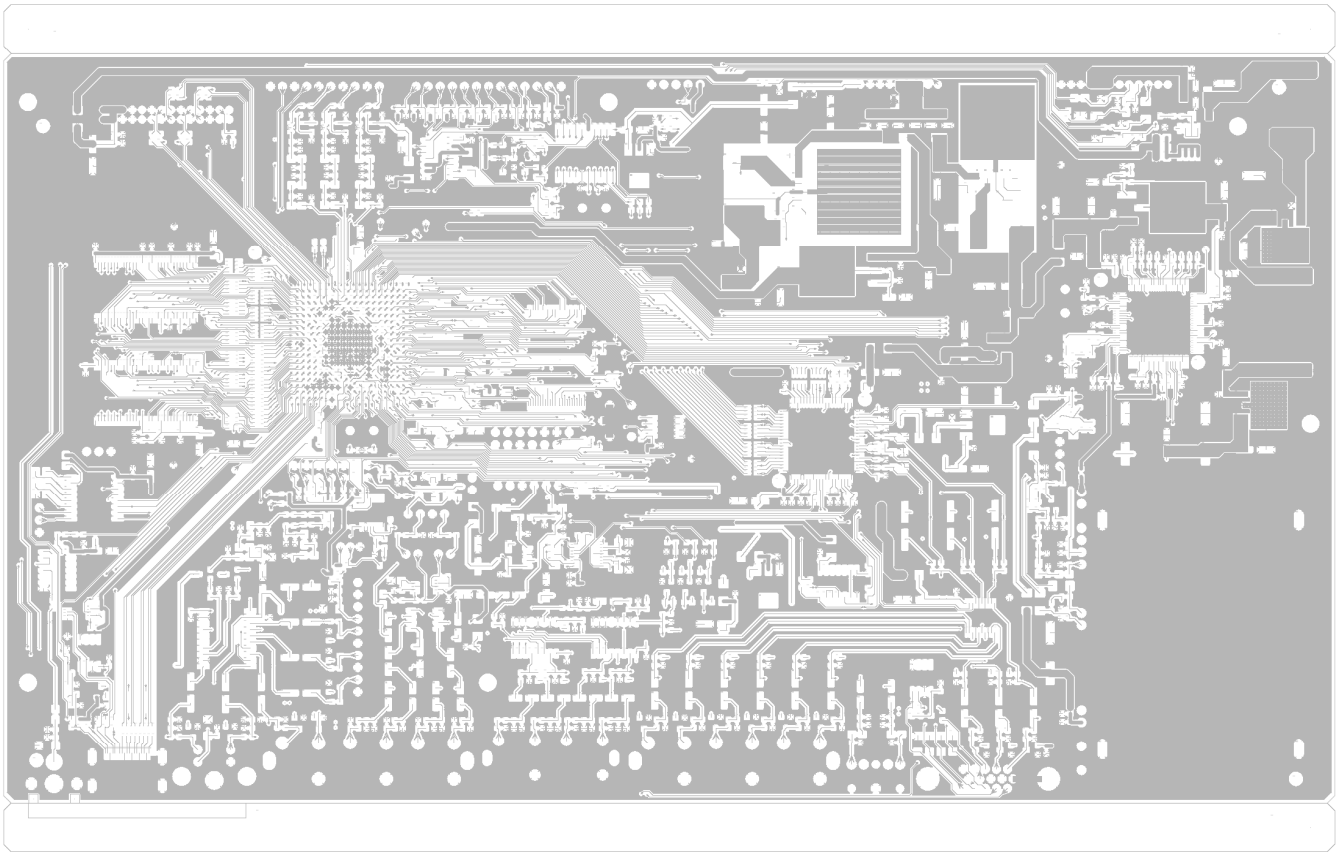
Press "Exit" button on remote control to quit from factory mode.

7. PCB Layout

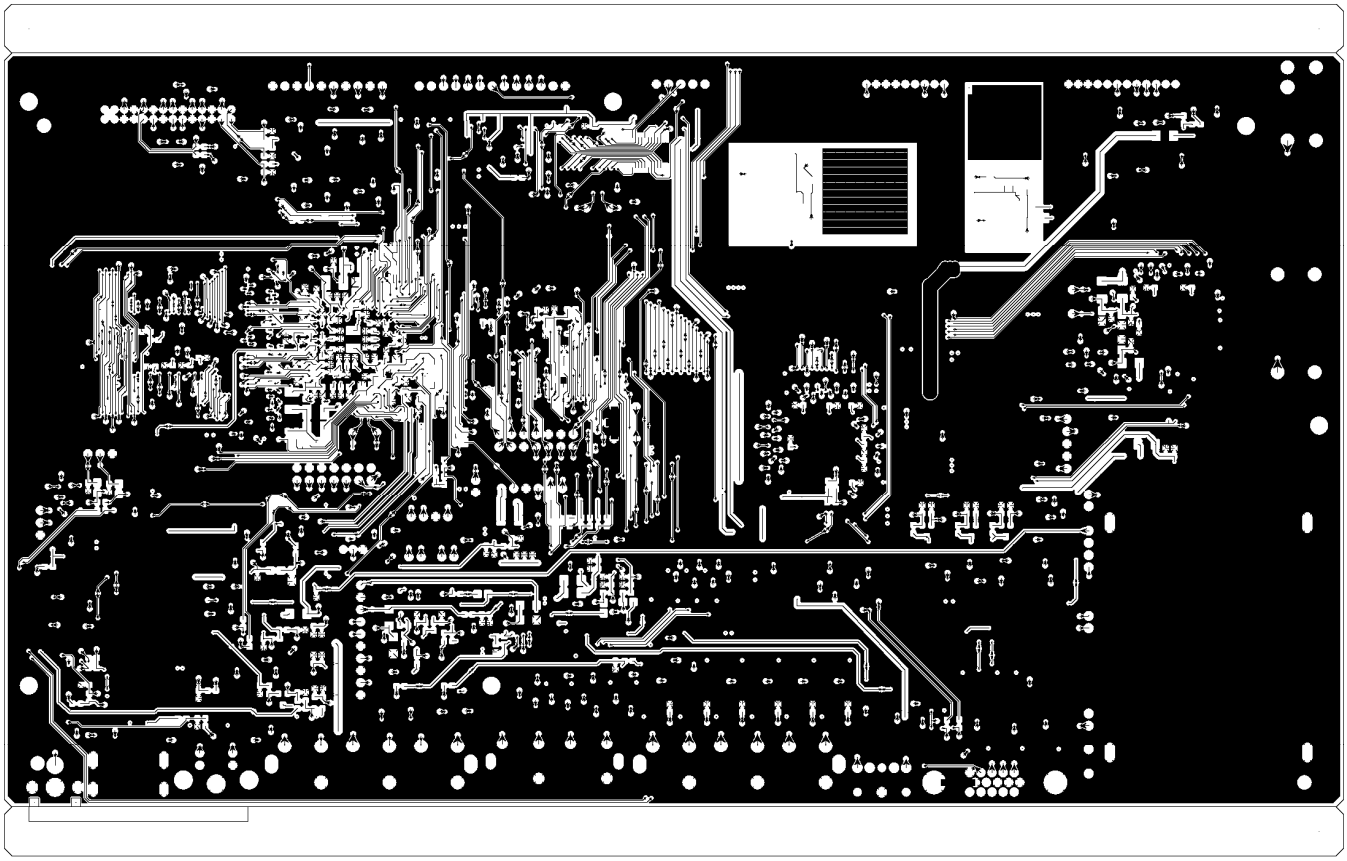
7.1 Main Board



Top Victory Electronics(Taiwwan)Co.,Ltd				
AOC	PCB NAME	715T1961-D	LAYER	4 (SOLDER:MSK TOP)
	MATERIAL	FR-4, 94V-0	THICKNESS	1.6MM

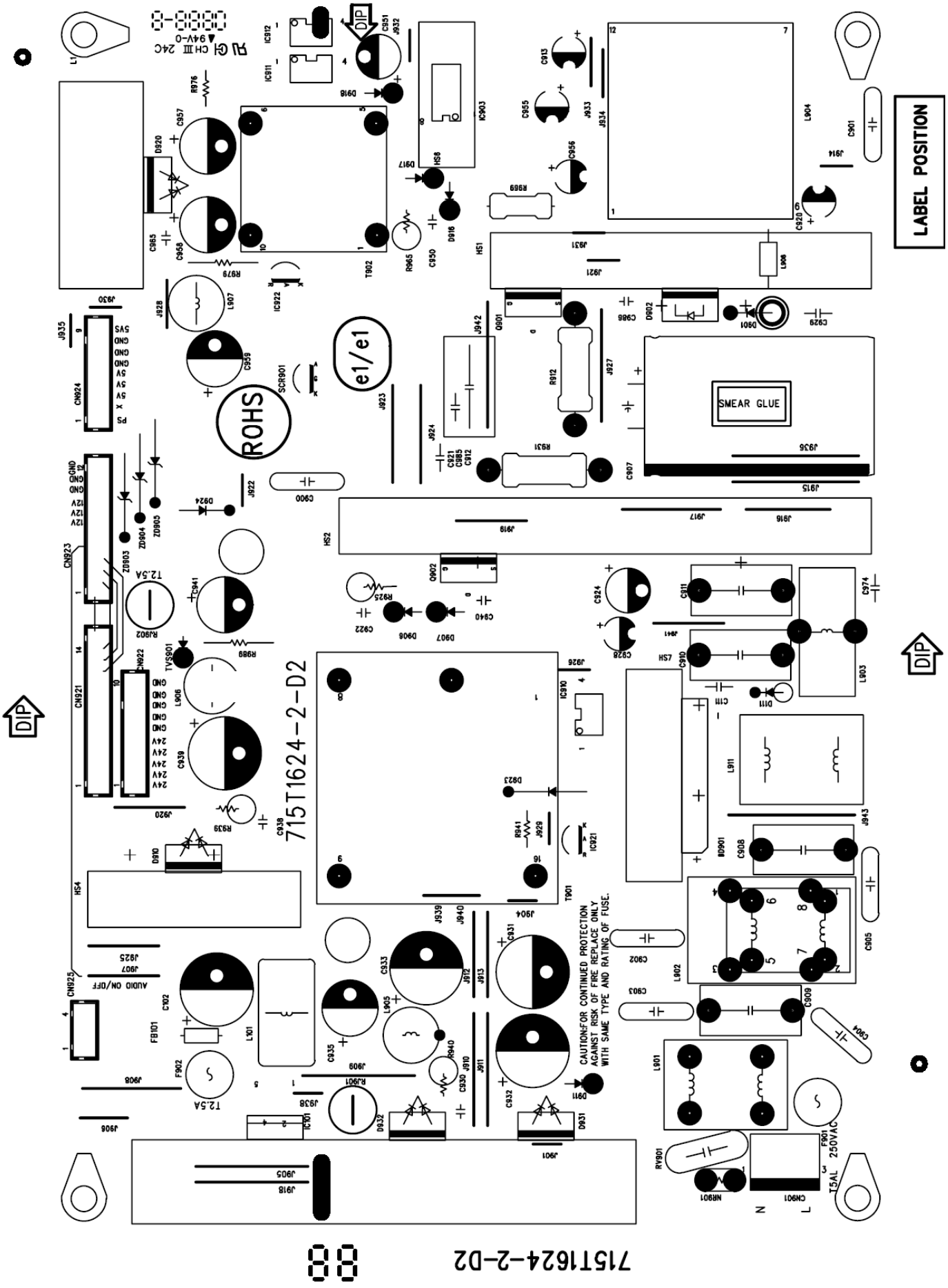


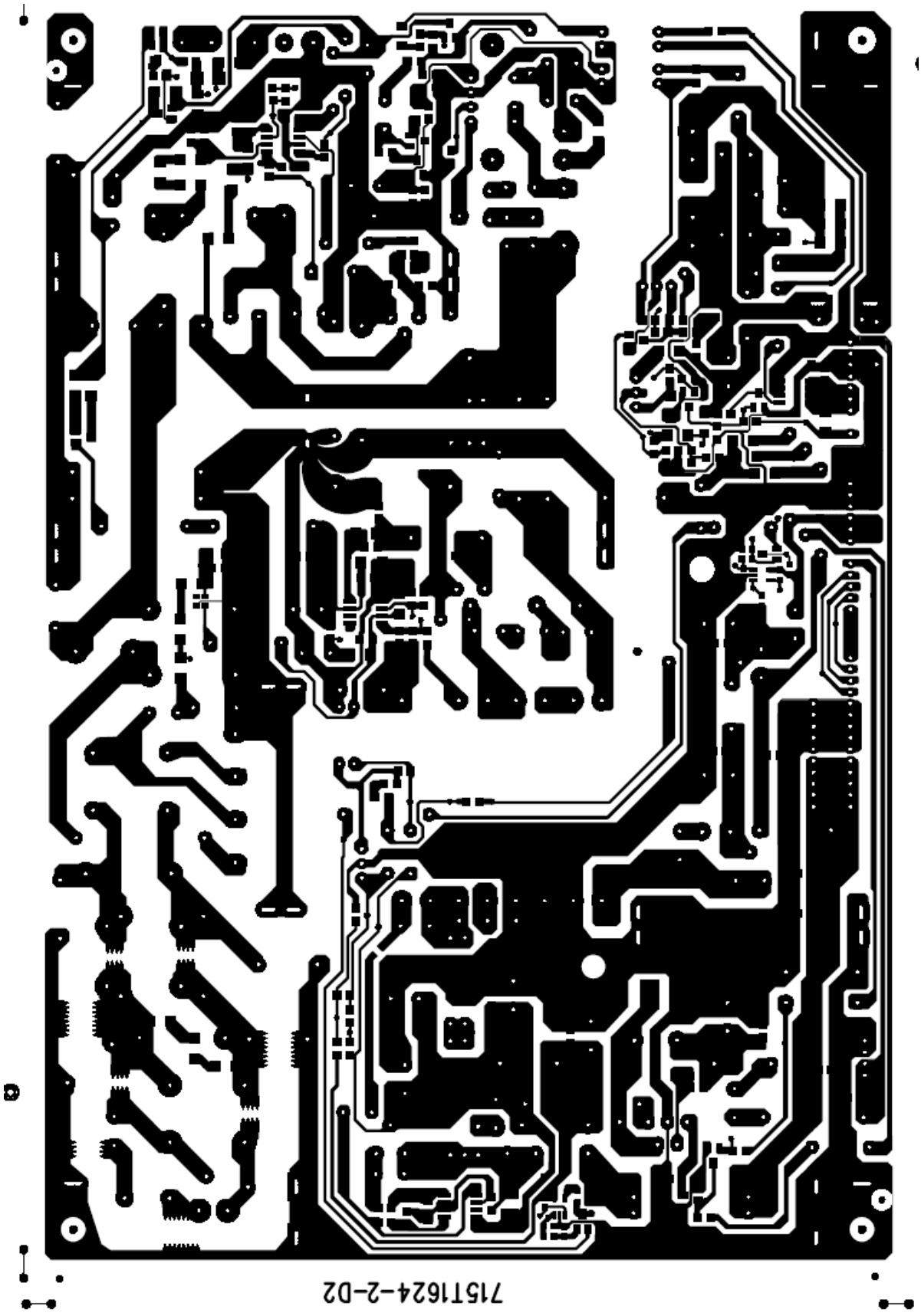
Top Victory Electronics(Taiwwan)Co.,Ltd				
AOC	PCB NAME	715T1961-D	LAYER	4 (1.TOP SIDE)
	MATERIAL	FR-4, 94V-0	THICKNESS	1.6MM



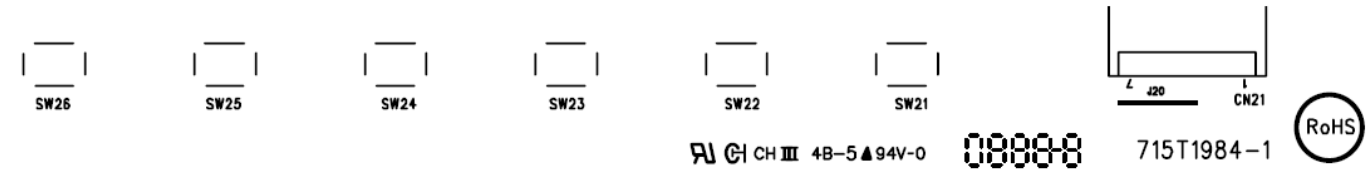
Top Victory Electronics(Taiwwan)Co.,Ltd				
AOC	PCB NAME	715T1961-D	LAYER	4 (4.BOTTEM SIDE)
	MATERIAL	FR-4, 94V-0	THICKNESS	1.6MM

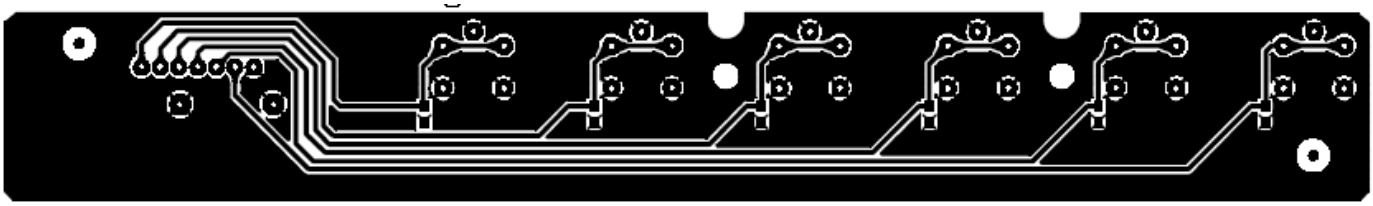
7.2 Power Board



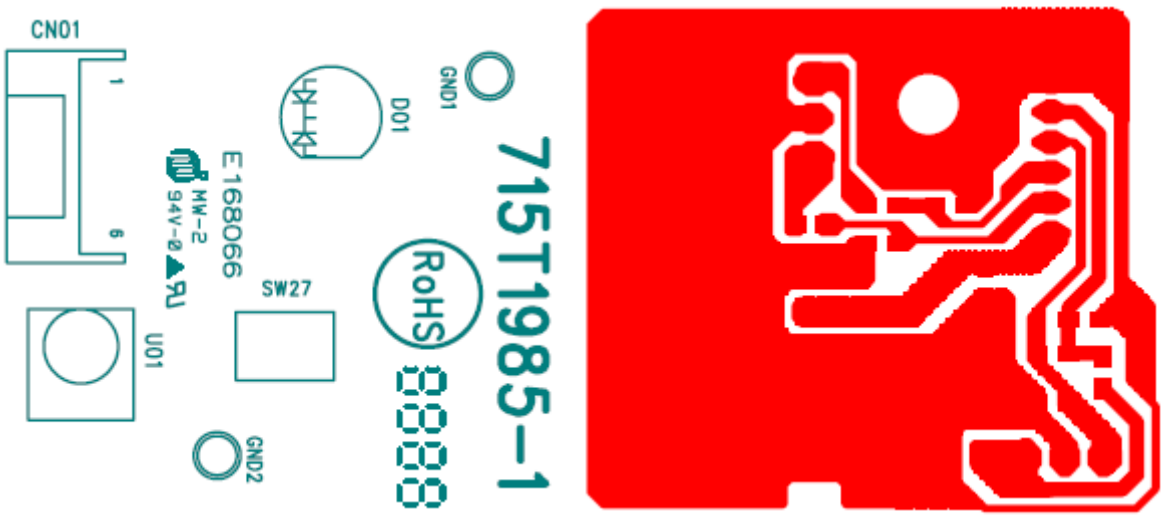

715T1624-2-D2

7.3 Key Board



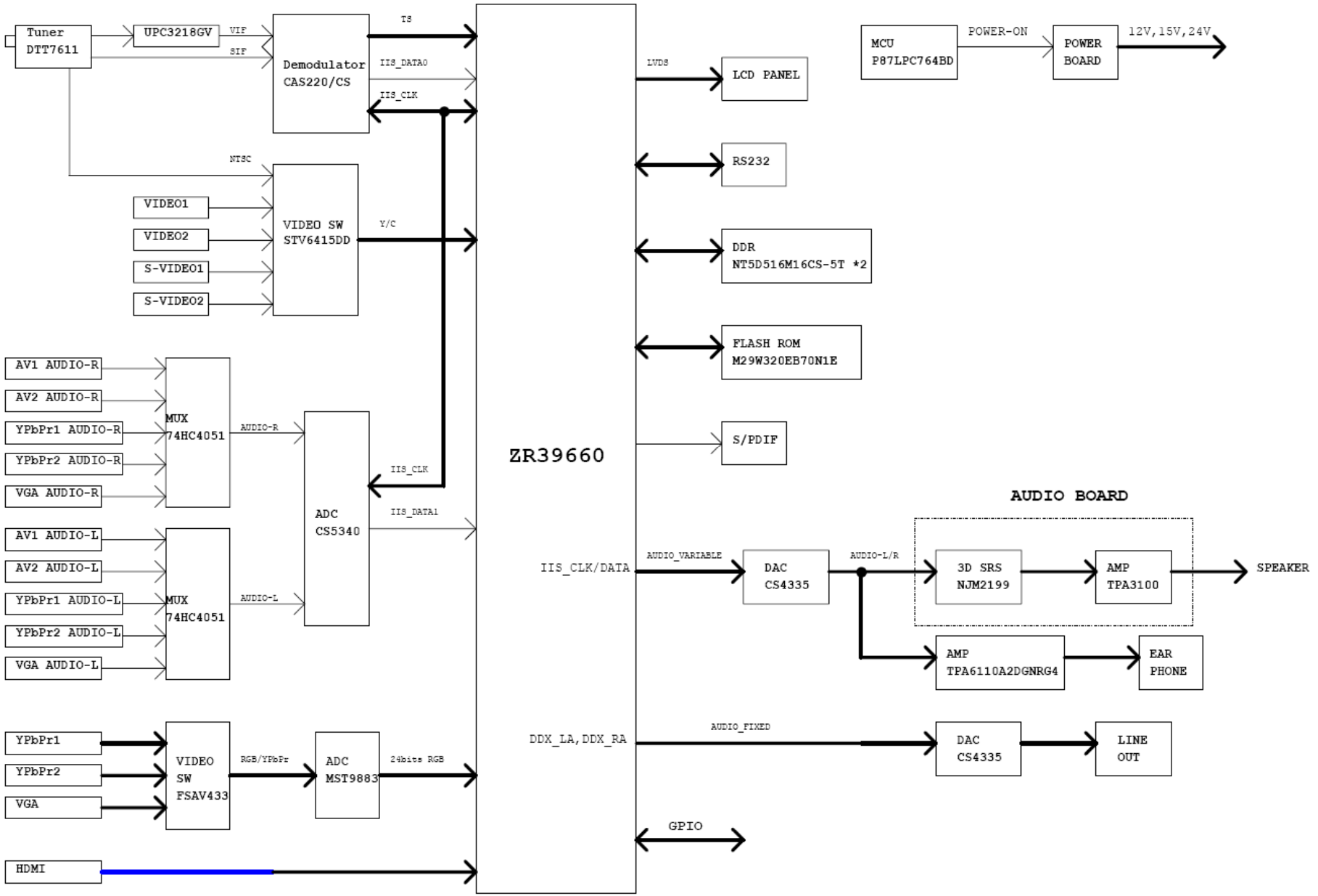


7.4 IR Board

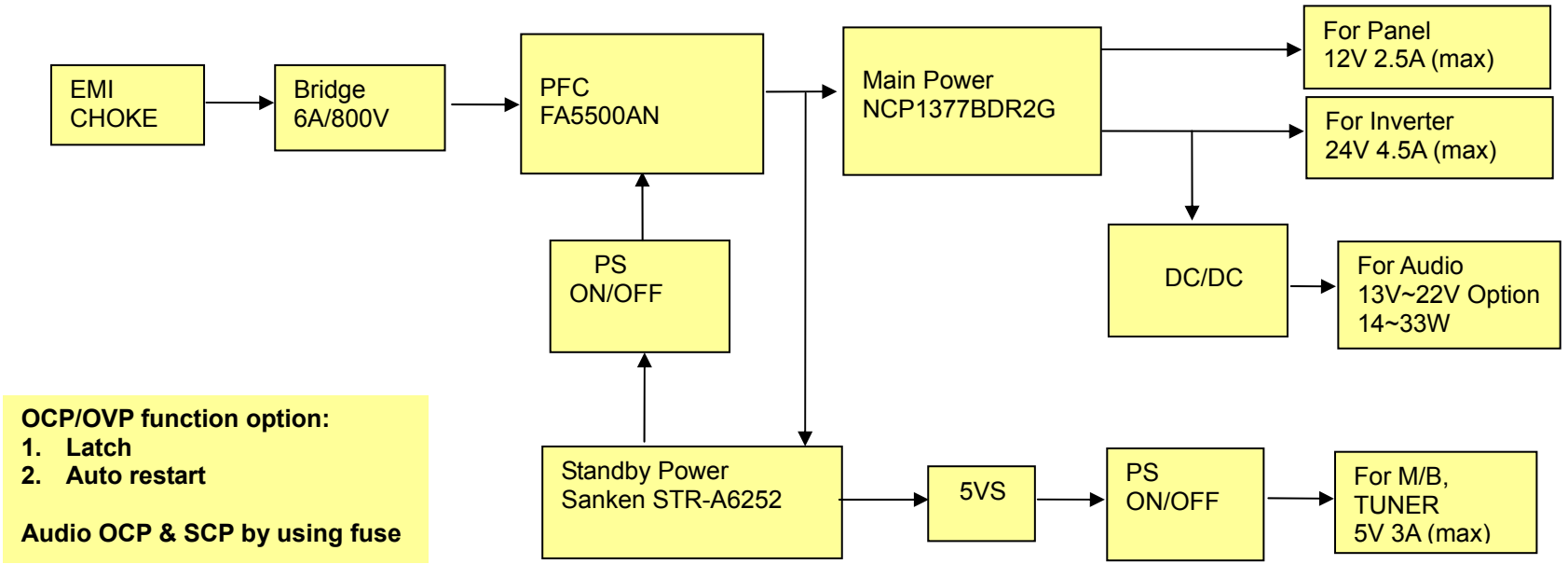


8. Block Diagram

8.1 Main board

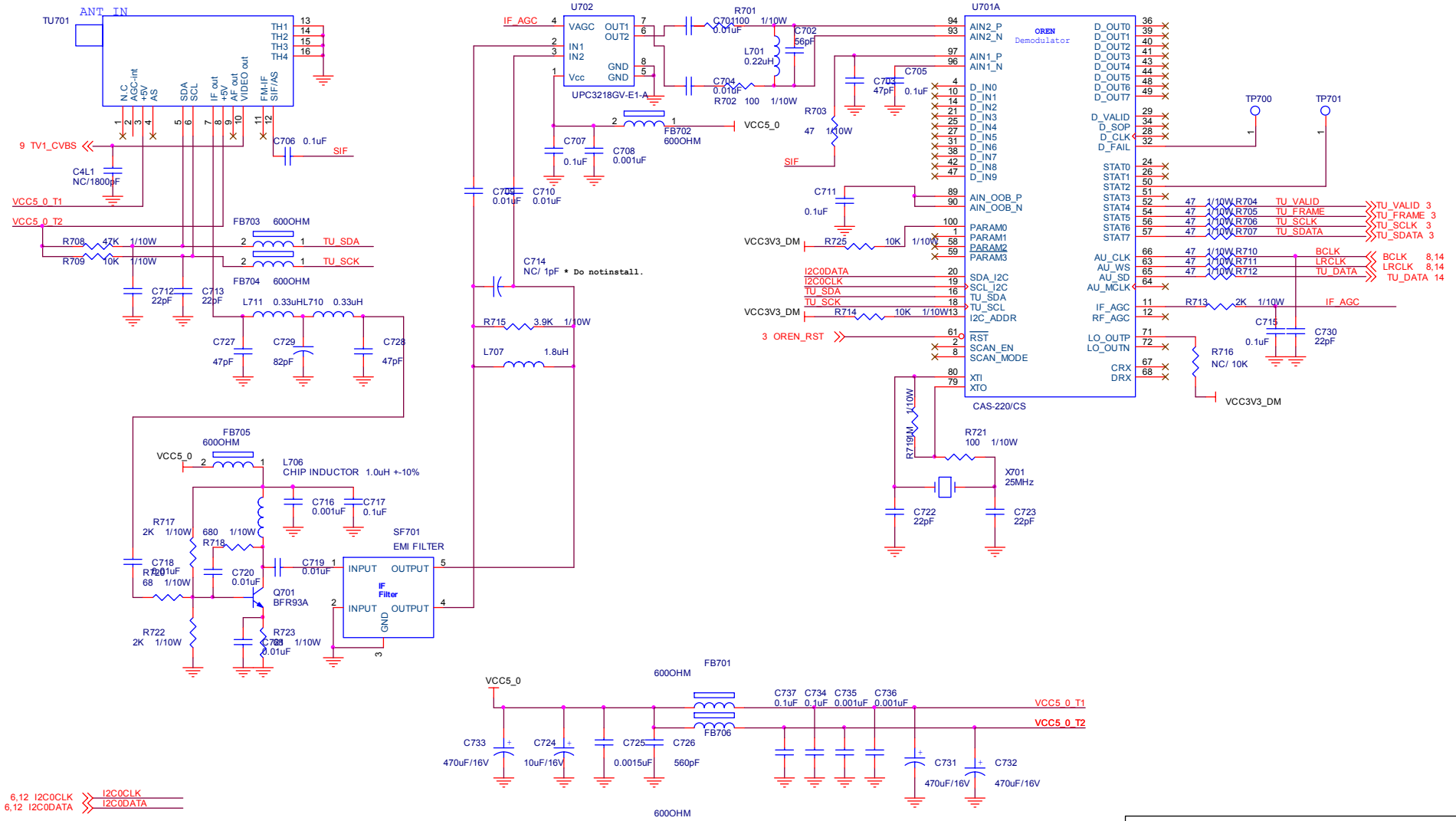


8.2 Power Board



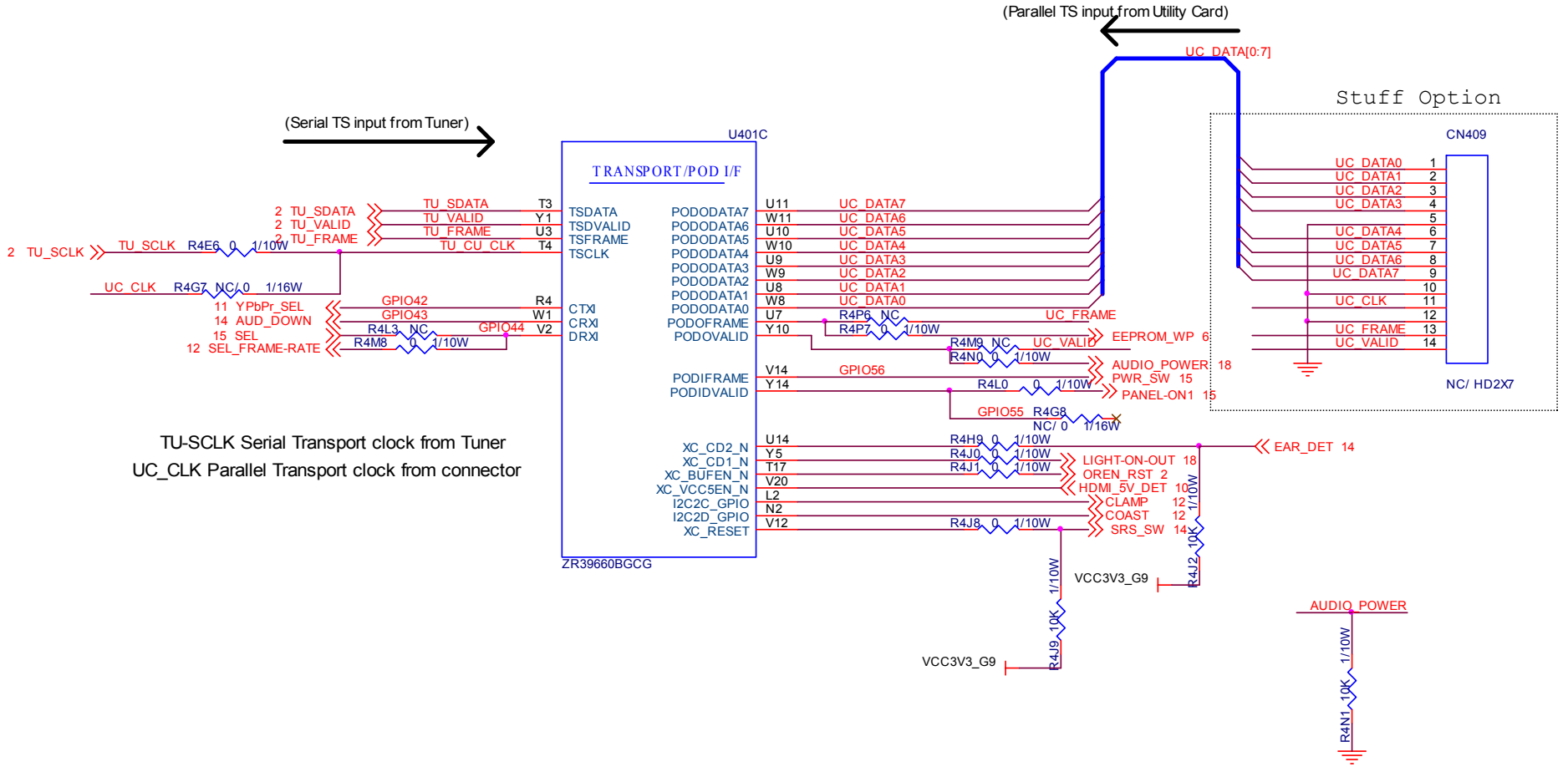
9. Schematic Diagram

9.1 Main Board



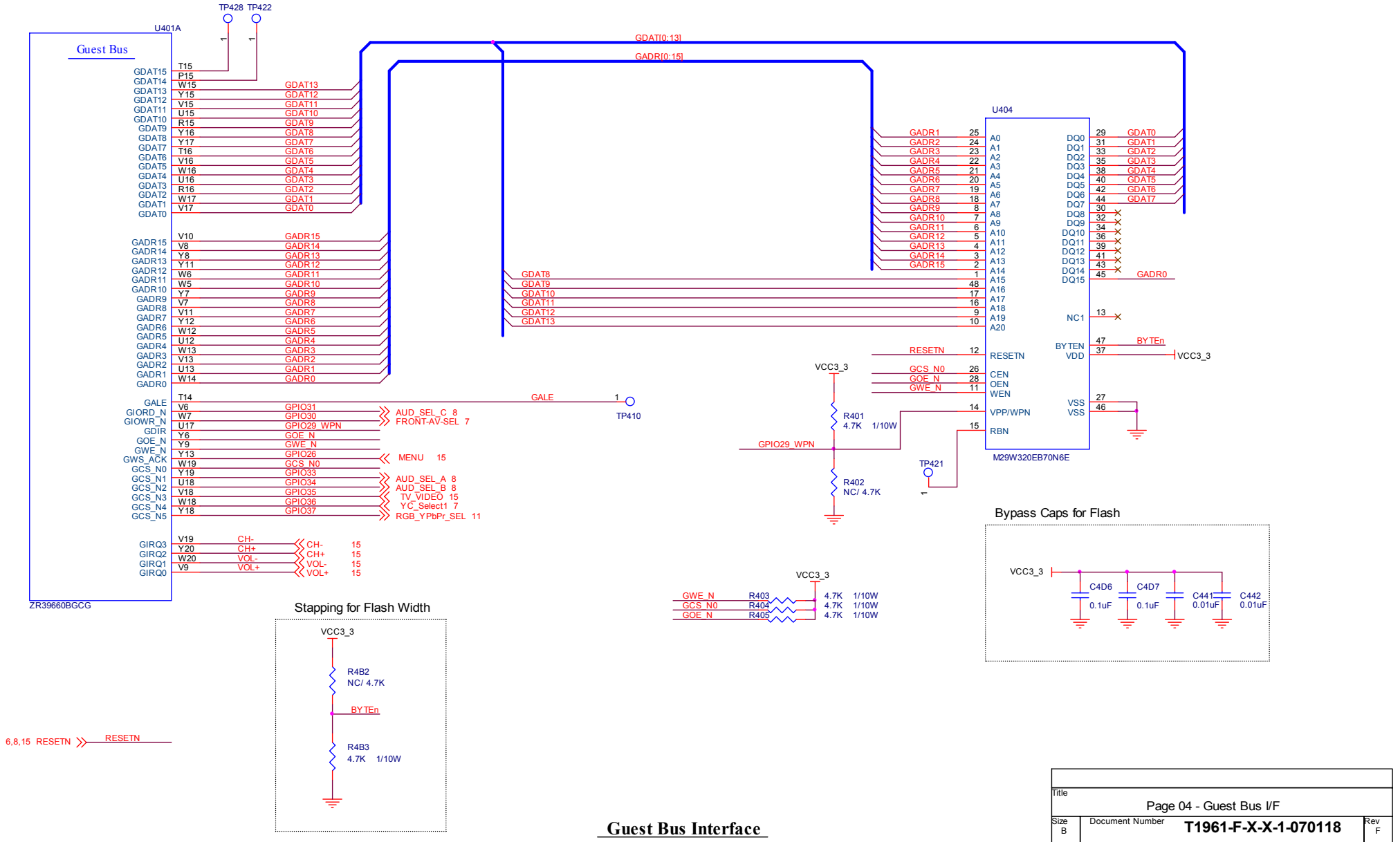
Tuner / Demodulator

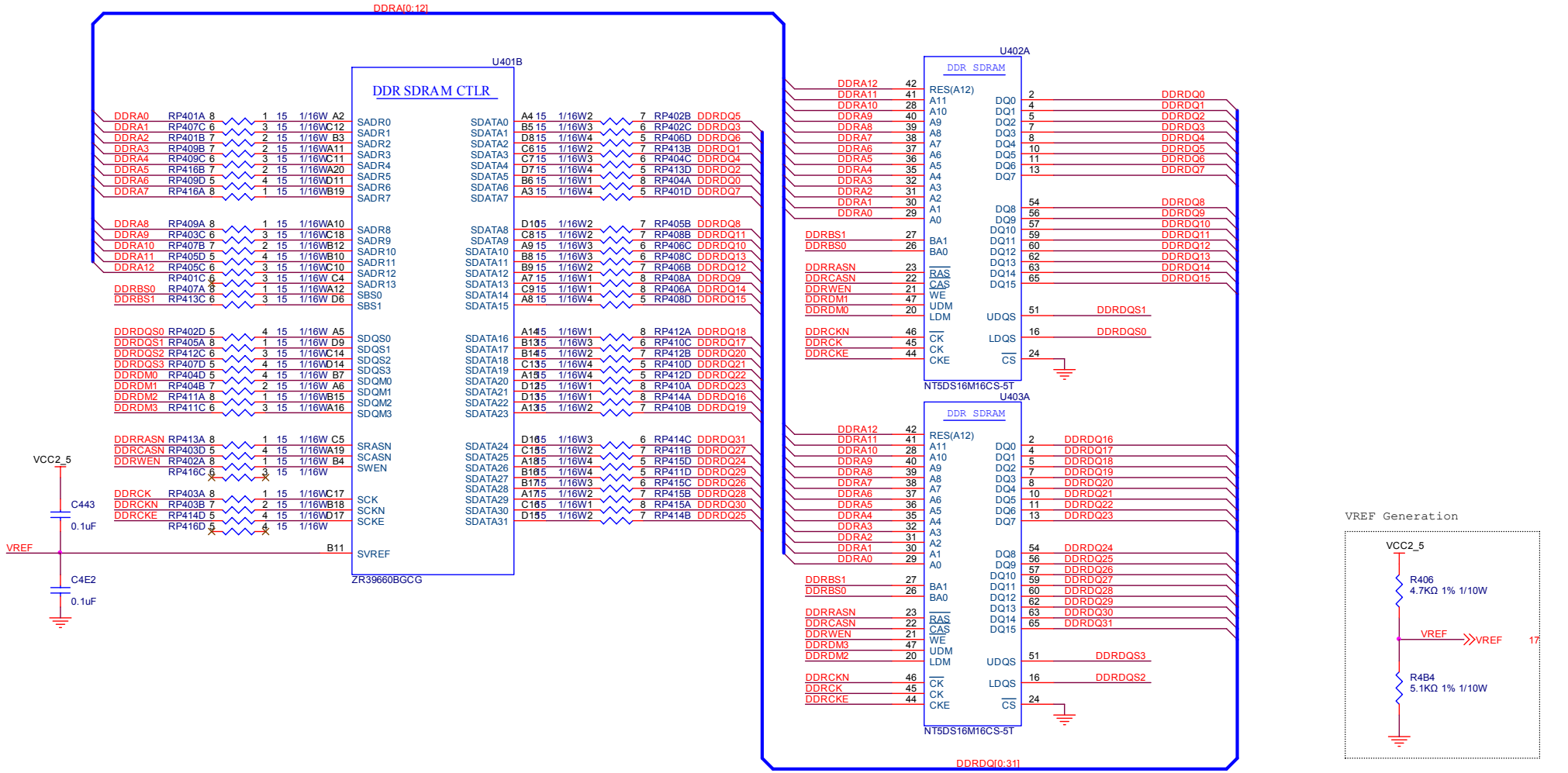
Title	Page 02 - Tuner and Demodulator		
Size B	Document Number T1961-F-X-X-1-070118		Rev F
Date: Thursday, January 18, 2007	Sheet 2 of 19		



TS Interface & Connector

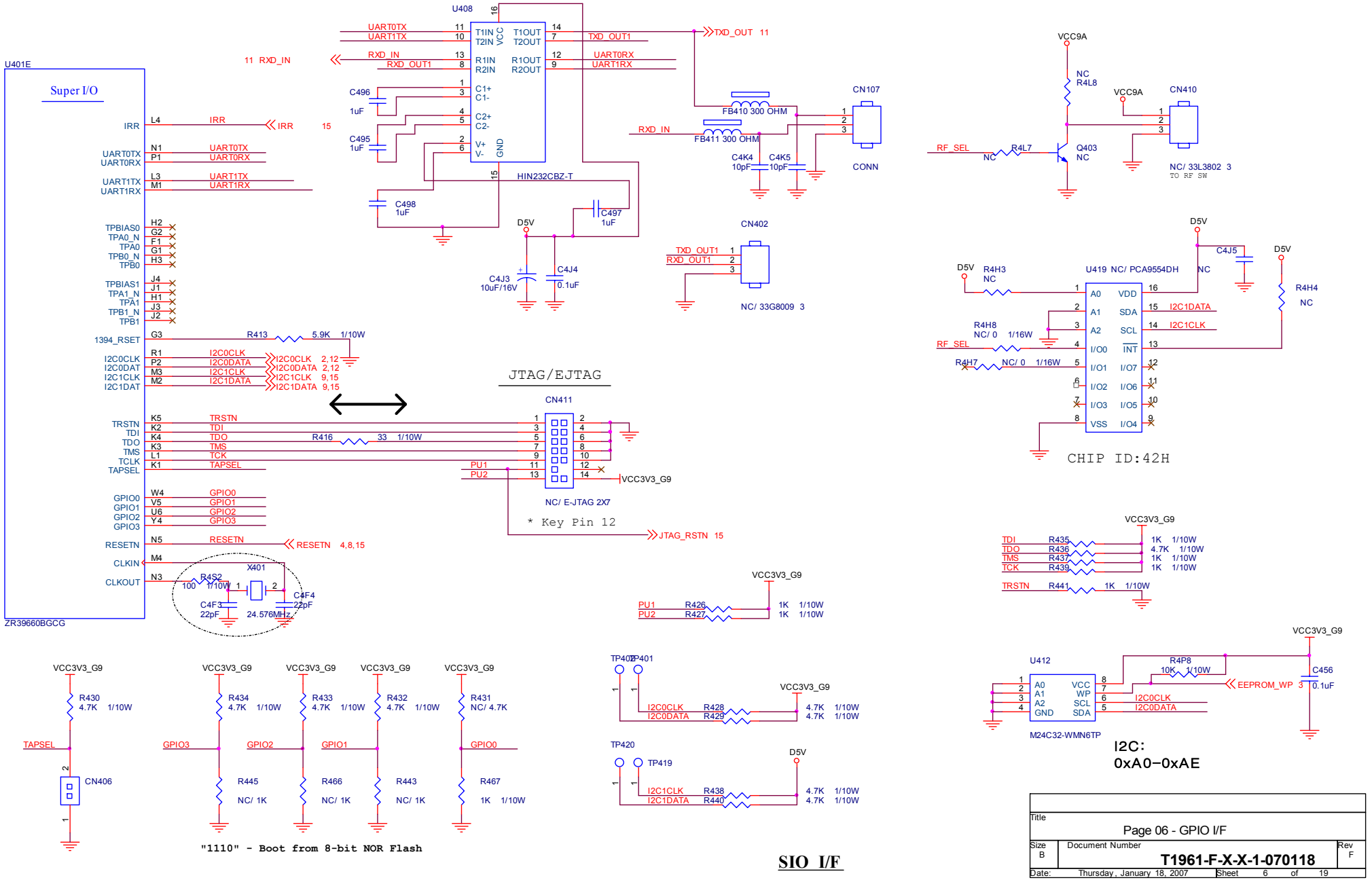
Title	Page 03 - TS I/F and Connector		
Size A4	Document Number	T1961-F-X-X-1-070118	Rev F
Date: Thursday, January 18, 2007	Sheet 3 of 19		


U401A
Guest Bus
ZR39660BGCG
TP428 TP422
GDAT[0:13]
GADR[0:15]
U404
M29W320EB70N6E
TP410
TP421
R401 4.7K 1/10W
R402 NC/ 4.7K
GPIO29_WPN
VCC3_3
Bypass Caps for Flash
C4D6 0.1uF
C4D7 0.1uF
C441 0.01uF
C442 0.01uF
R403 4.7K 1/10W
R404 4.7K 1/10W
R405 4.7K 1/10W
Stapping for Flash Width
R4B2 NC/ 4.7K
R4B3 4.7K 1/10W
BYTEn
RESETN
6,8,15 RESETN
Guest Bus Interface
Title
Page 04 - Guest Bus I/F
Size B
Document Number T1961-F-X-X-1-070118
Rev F
Date: Thursday, January 18, 2007
Sheet 4 of 19

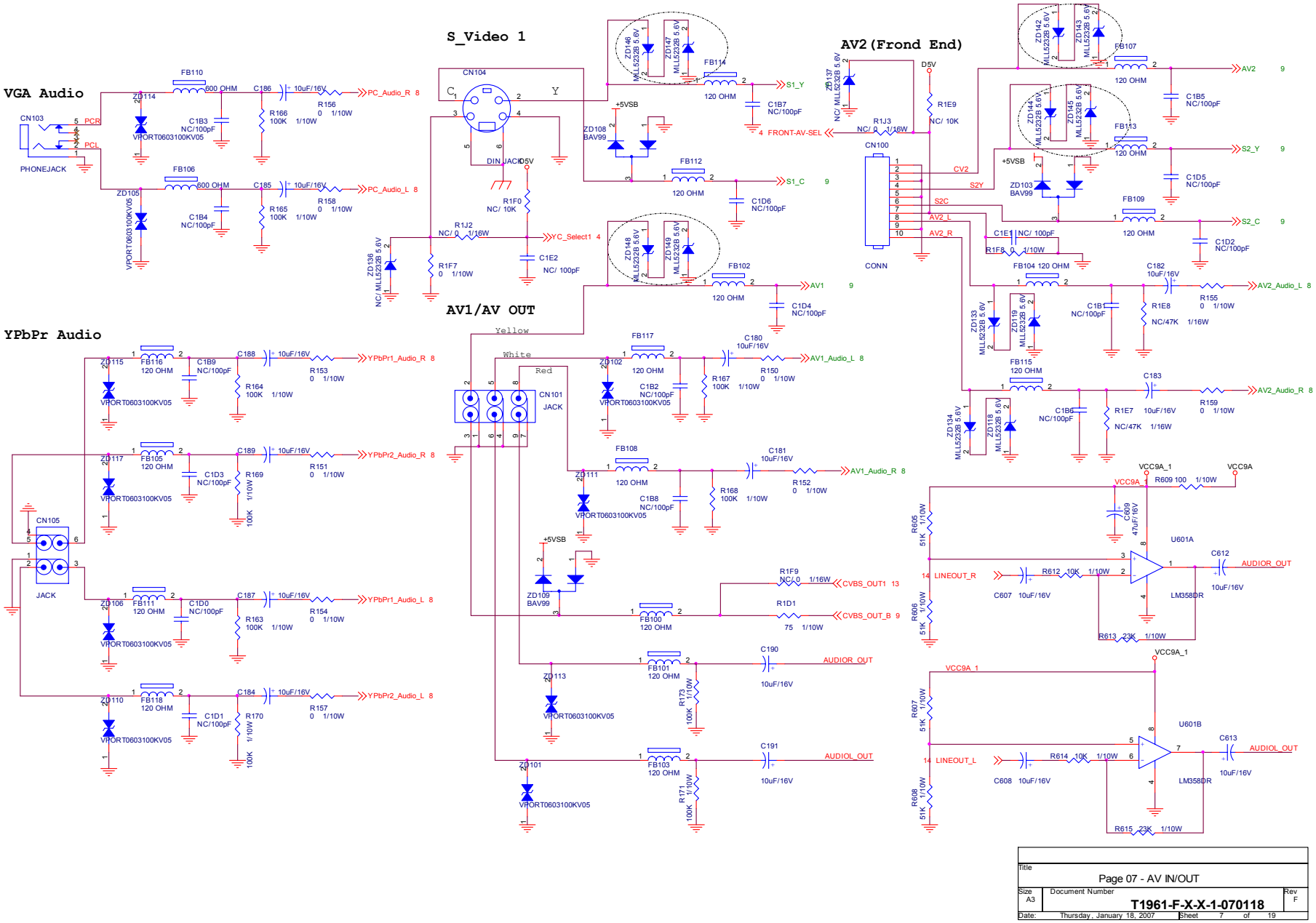


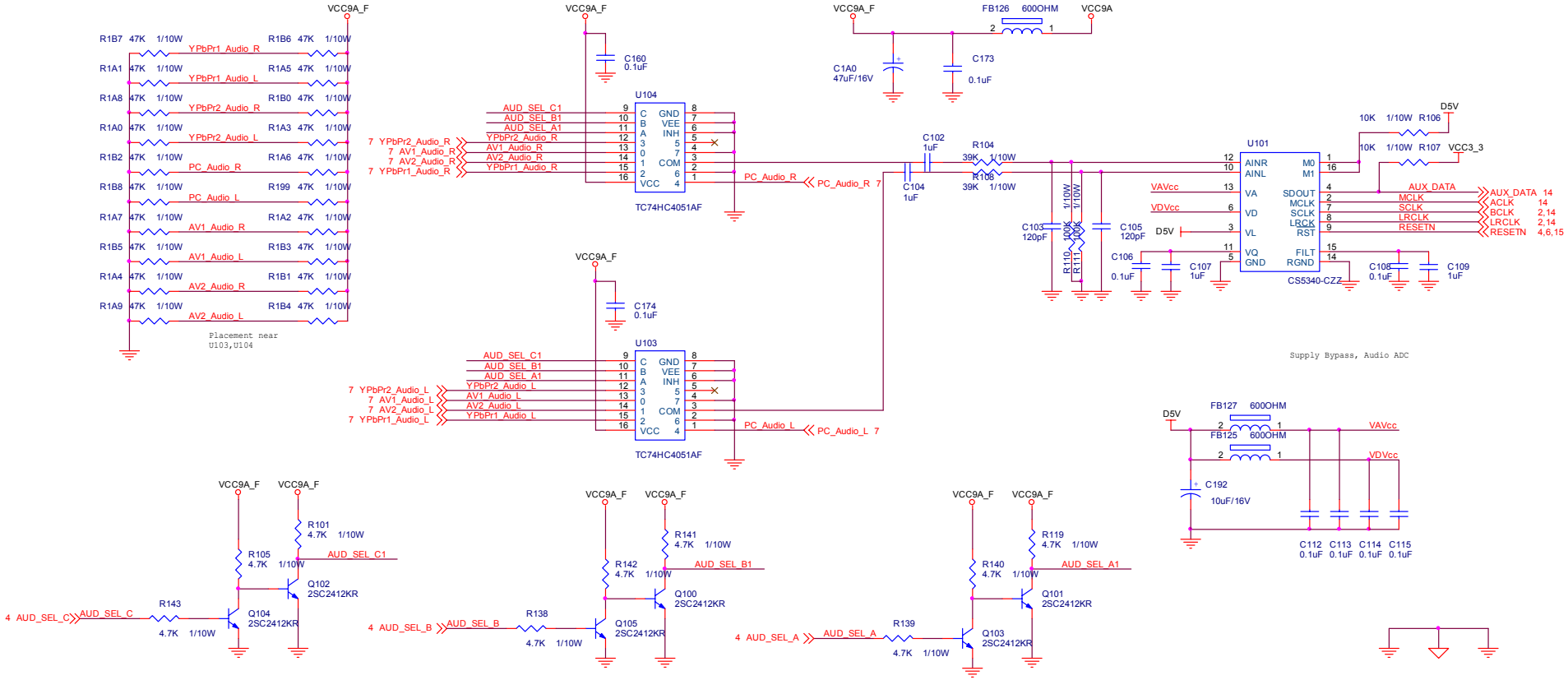
DDR SDRAM Interface

Title	Page 05 - DDR SDRAM I/F		
Size B	Document Number T1961-F-X-X-1-070118		Rev F
Date: Thursday, January 18, 2007	Sheet 5 of 19		



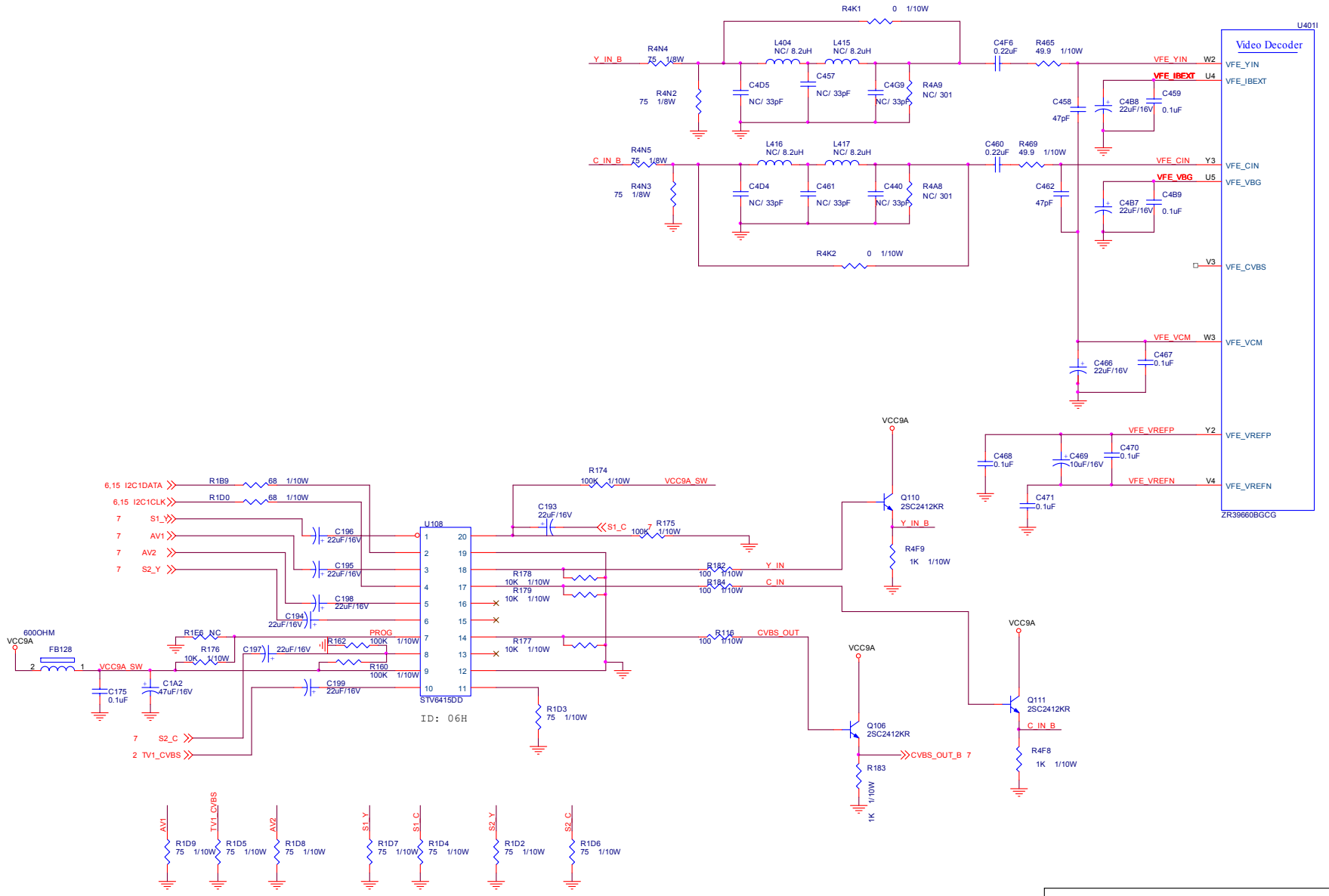
Title	Page 06 - GPIO I/F	
Size B	Document Number T1961-F-X-X-1-070118	Rev F
Date: Thursday, January 18, 2007	Sheet 6 of 19	


VGA Audio
S_Video 1
AV2 (Frond End)
YPbPr Audio
AV1/AV OUT
CN103
PHONEJACK
CN104
CN100
CONN
CN101
JACK
CN105
JACK
U601A
U601B
LM358DR
Page 07 - AV IN/OUT
Size A3
Document Number
T1961-F-X-X-1-070118
Rev F
Date: Thursday, January 18, 2007
Sheet 7 of 19



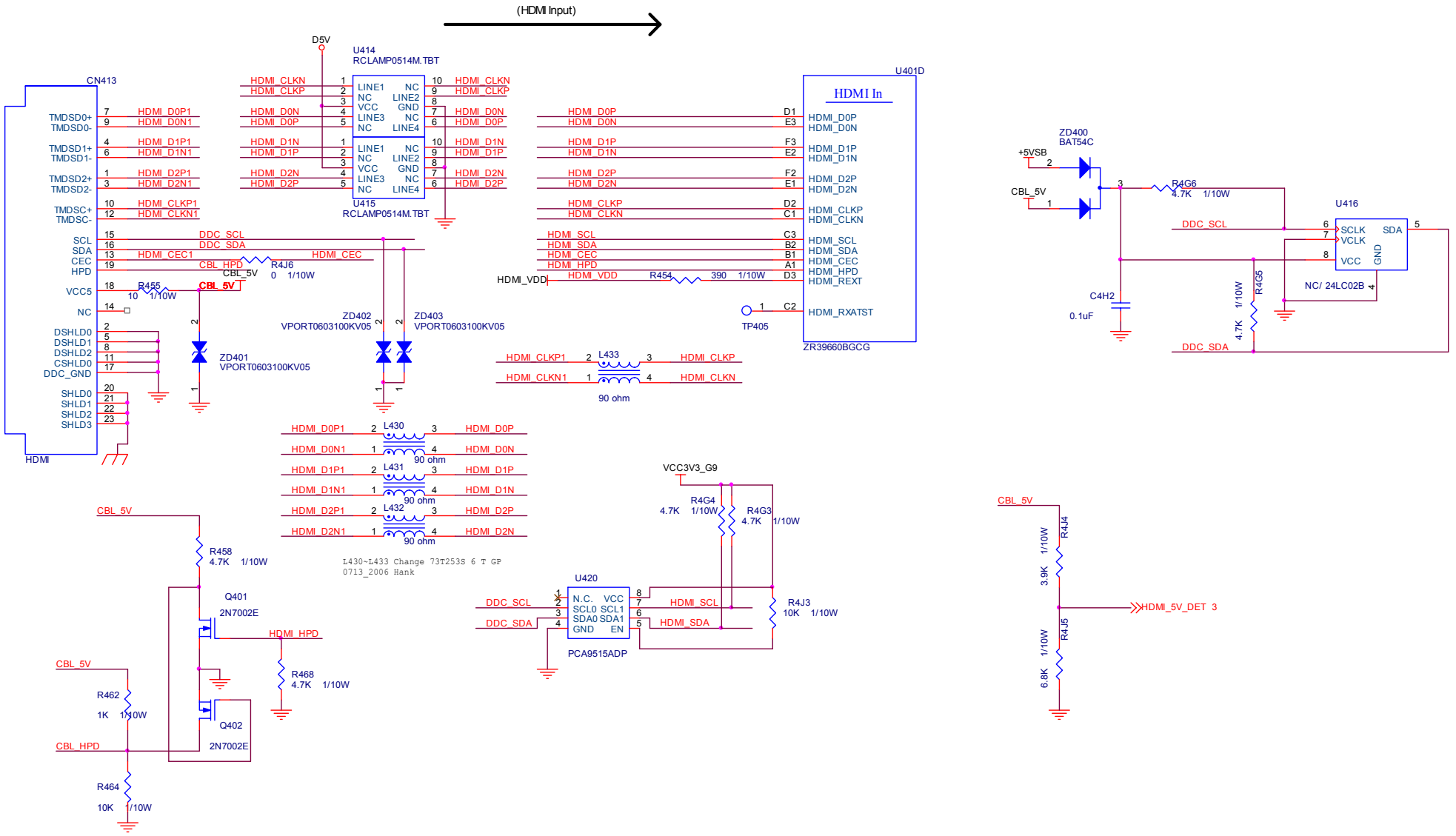
	AUD_SEL_A	AUD_SEL_B	AUD_SEL_C
AV1_Audio_R/L	0	0	0
AV2_Audio_R/L	1	0	0
YPbPr1_AUDIO_R/L	0	1	0
YPbPr2_AUDIO_R/L	1	1	0
PC_AUDIO_R/L	0	0	1

Title	Page 08 - Audio Switch		
Size A3	Document Number	T1961-F-X-X-1-070118	Rev F
Date: Thursday, January 18, 2007	Sheet 8 of 19		



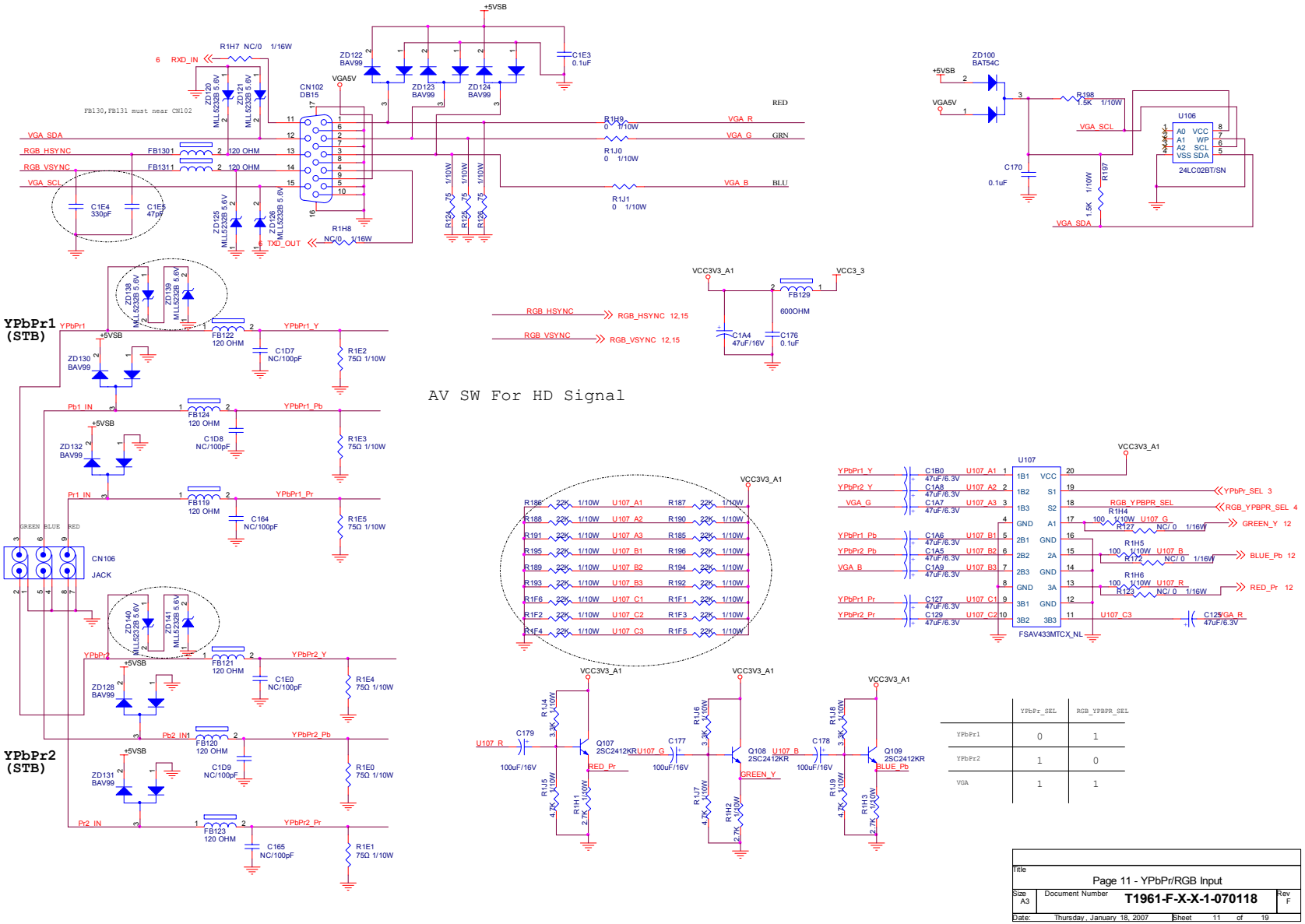
Video Decoder I/F

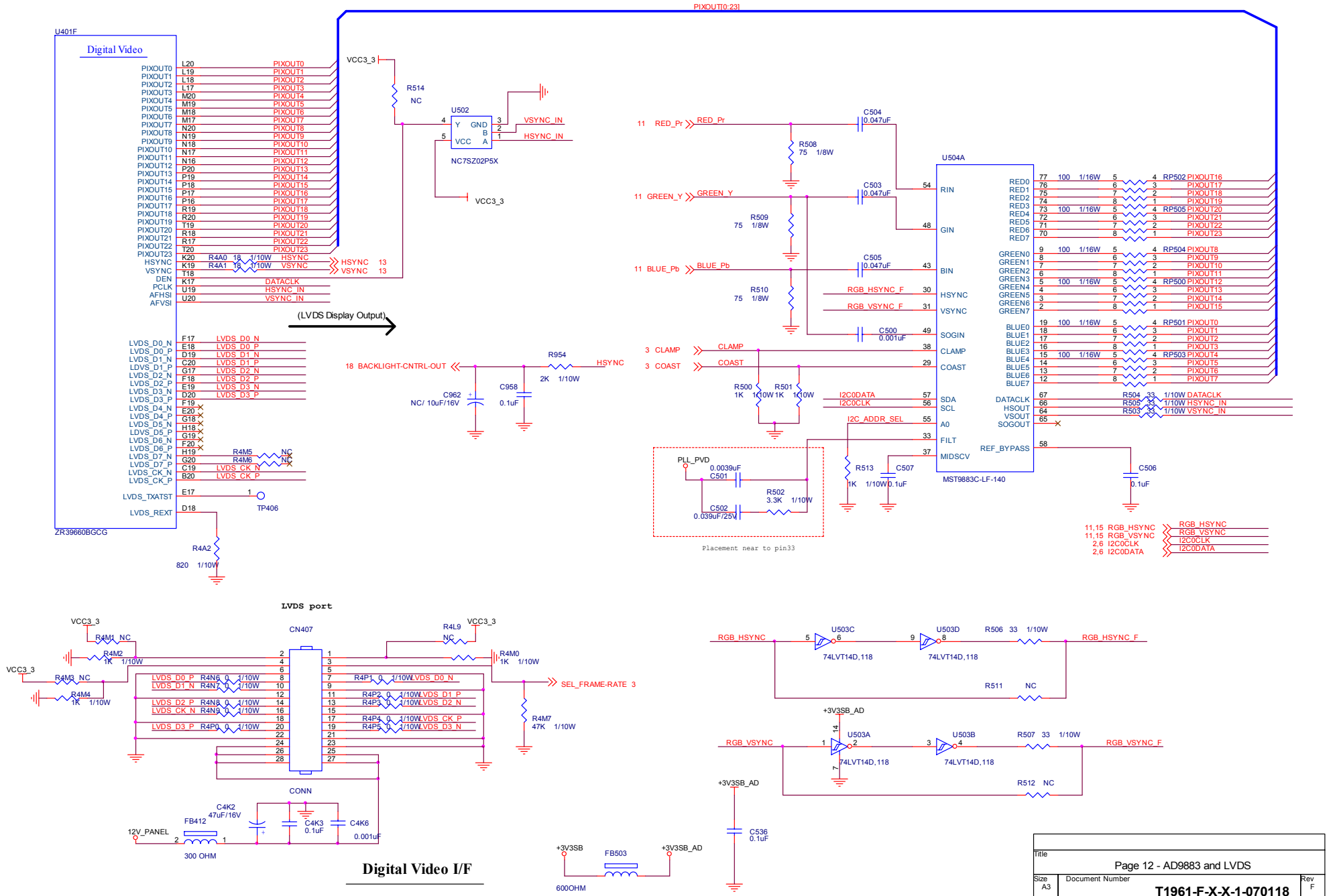
Title: Page 09 - Video decoder I/F			
Size: A3	Document Number: T1961-F-X-X-1-070118		Rev: F
Date: Thursday, January 18, 2007	Sheet 9 of 19		

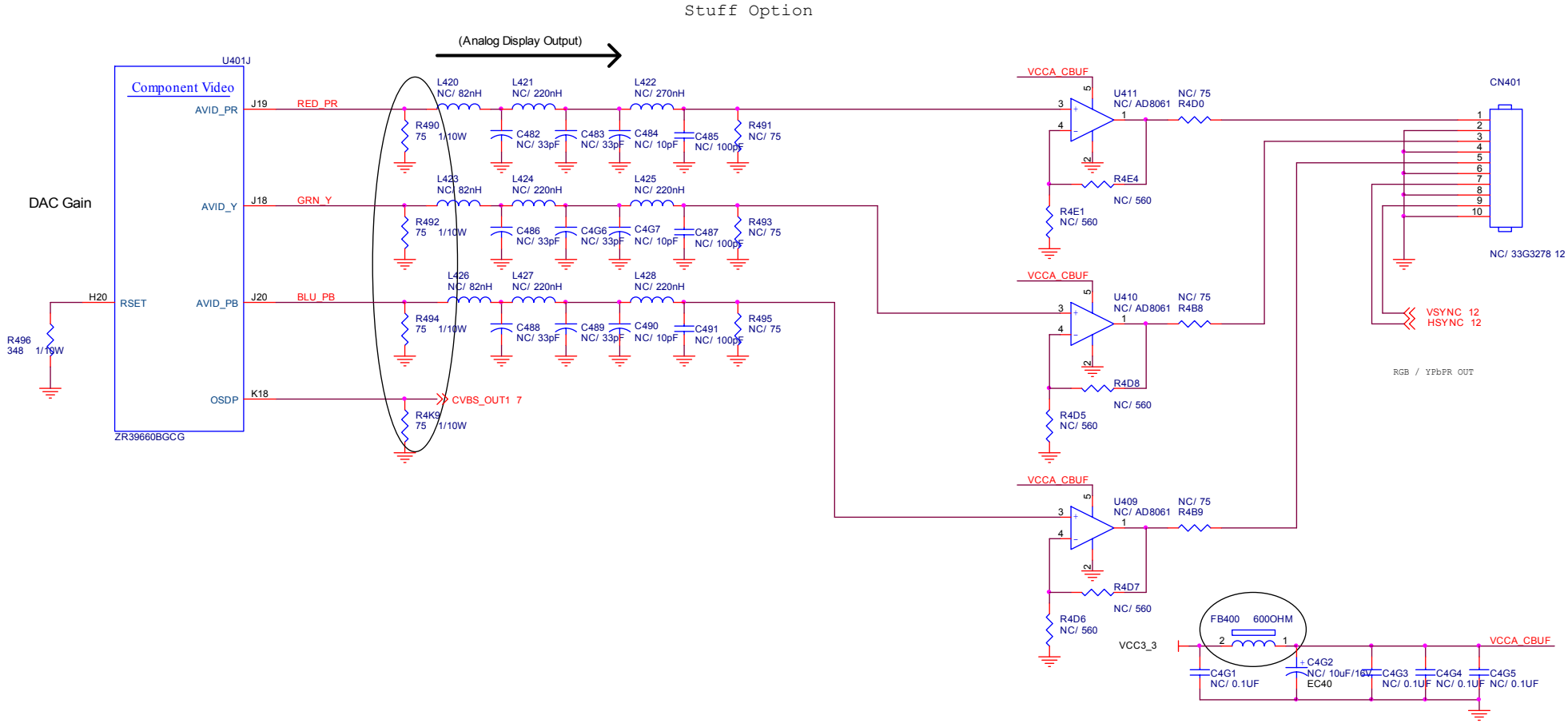


HDMI I/F

Title	Page 10 - HDMI I/F	
Size B	Document Number T1961-F-X-X-1-070118	Rev F
Date: Thursday, January 18, 2007	Sheet 10 of 19	

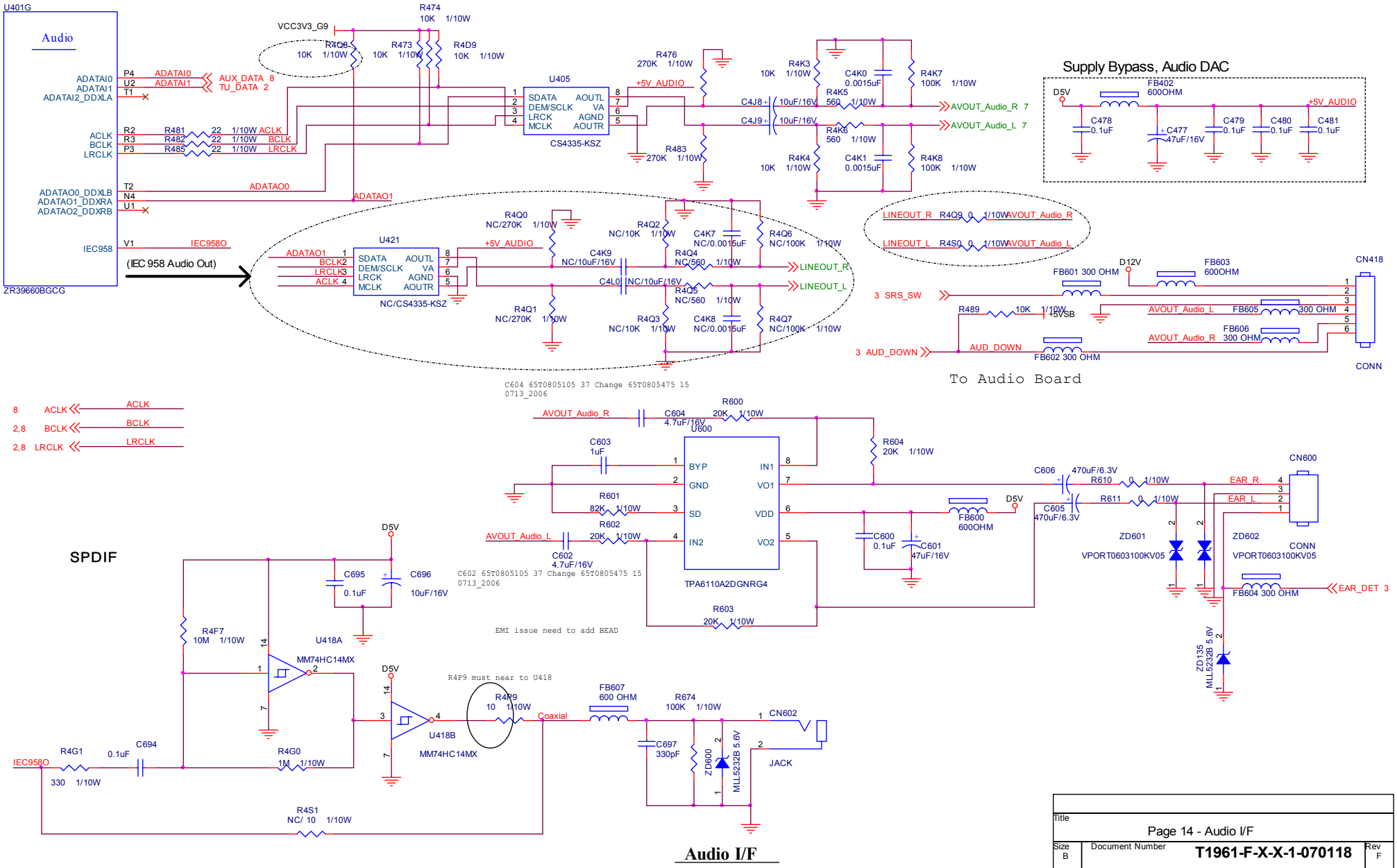

YPbPr1 (STB)
YPbPr2 (STB)
AV SW For HD Signal
CN106 JACK
CN102 DB15
U107
FSAV433MTCX_NL
U106
24LC02BT/SN
Q107 2SC2412KR
Q108 2SC2412KR
Q109 2SC2412KR
VGA_SDA
VGA_SCL
RGB_HSYNC
RGB_VSYNC
YPbPr_SEL
RGB_YPBPR_SEL
Page 11 - YPbPr/RGB Input
T1961-F-X-X-1-070118
Thursday, January 18, 2007

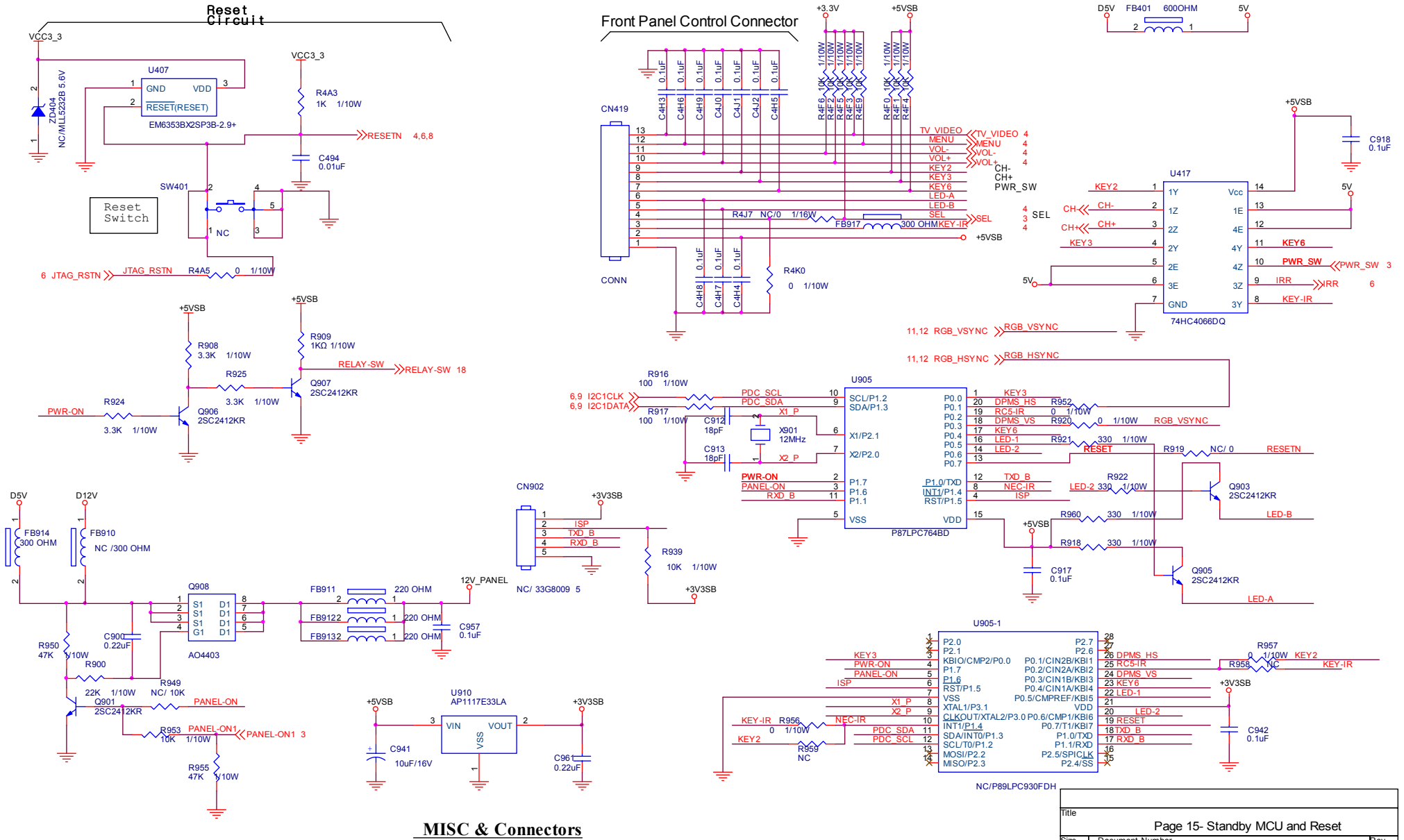

U401F
Digital Video
ZR39660BGCG
(LVDS Display Output)
U502
NC7SZ02P5X
U504A
MST9883C-LF-140
Placement near to pin33
LVDS port
CN407
CONN
Digital Video I/F
U503C
U503D
U503A
U503B
74LVT14D,118
Page 12 - AD9883 and LVDS
T1961-F-X-X-1-070118
Thursday , January 18, 2007

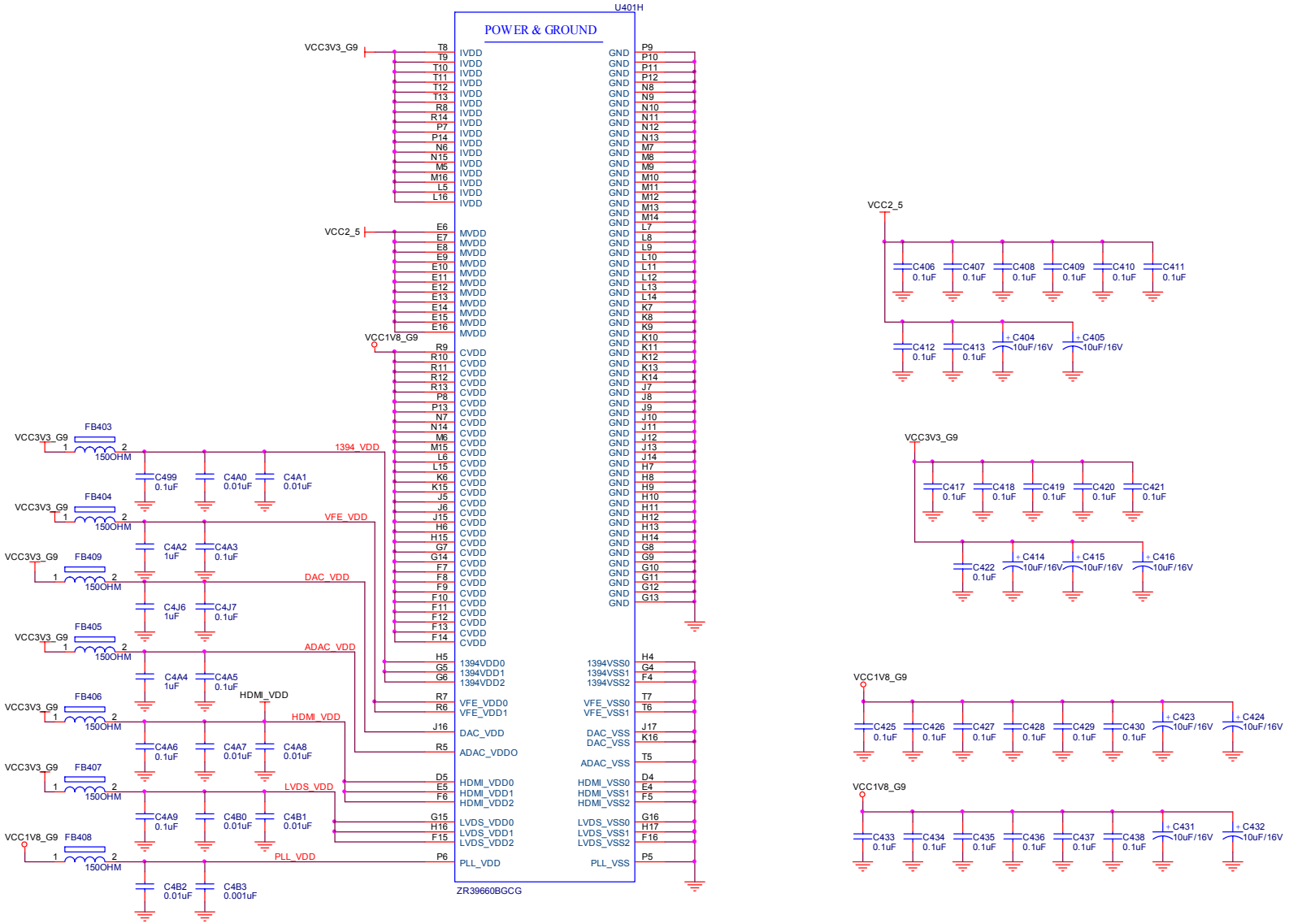


Component Video I/F

Title	Page 13 - YPbPr Output		
Size B	Document Number	T1961-F-X-X-1-070118	Rev F
Date: Thursday, January 18, 2007	Sheet 13 of 19		

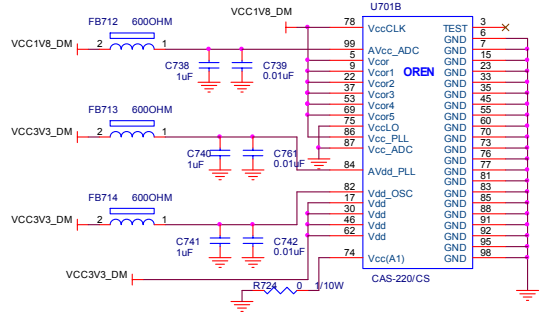

U401G
Audio
ADATAI0
ADATAI1
ADATAI2_DDXLA
ACLK
BCLK
LRCLK
ADATAO0_DDXLB
ADATAO1_DDXRA
ADATAO2_DDXRB
IEC958
ZR39660BGCG
(IEC 958 Audio Out)
AUX_DATA_8
TU_DATA_2
ADATAO0
ADATAO1
IEC958O
VCC3V3_G9
R474 10K 1/10W
R473 10K 1/10W
R4D9 10K 1/10W
U405
SDATA AOUTL
DEM/SCLK VA
LRCK AGND
MCLK AOUTR
CS4335-KSZ
+5V_AUDIO
R476 270K 1/10W
R483 270K 1/10W
R4K3 10K 1/10W
R4K5 560 1/10W
R4K4 10K 1/10W
R4K6 560 1/10W
C4K0 0.0015uF
C4K1 0.0015uF
R4K7 100K 1/10W
R4K8 100K 1/10W
C4J8 10uF/16V
C4J9 10uF/16V
AVOUT_Audio_R 7
AVOUT_Audio_L 7
Supply Bypass, Audio DAC
D5V
FB402 600OHM
C478 0.1uF
C477 47uF/16V
C479 0.1uF
C480 0.1uF
C481 0.1uF
U421
NC/CS4335-KSZ
R4Q0 NC/270K 1/10W
R4Q1 NC/270K 1/10W
R4Q2 NC/10K 1/10W
R4Q3 NC/10K 1/10W
R4Q4 NC/560 1/10W
R4Q5 NC/560 1/10W
R4Q6 NC/100K 1/10W
R4Q7 NC/100K 1/10W
C4K7 NC/0.0015uF
C4K8 NC/0.0015uF
C4K9 NC/10uF/16V
C4L0 NC/10uF/16V
LINEOUT_R
LINEOUT_L
LINEOUT_R R4Q9 0 1/10W AVOUT_Audio_R
LINEOUT_L R4S0 0 1/10W AVOUT_Audio_L
3 SRS_SW
3 AUD_DOWN
R489 10K 1/10W +5VSB
AUD_DOWN
FB601 300 OHM
FB602 300 OHM
FB603 600OHM
FB605 300 OHM
FB606 300 OHM
D12V
CN418
CONN
To Audio Board
C604 65T0805105 37 Change 65T0805475 15 0713_2006
8 ACLK
2,8 BCLK
2,8 LRCLK
R600 20K 1/10W
C604 4.7uF/16V
U600
TPA6110A2DGNRG4
BYP
GND
SD
IN2
IN1
VO1
VDD
VO2
C603 1uF
R601 82K 1/10W
R602 20K 1/10W
C602 4.7uF/16V
R603 20K 1/10W
R604 20K 1/10W
C600 0.1uF
C601 47uF/16V
FB600 600OHM
C606 470uF/6.3V
C605 470uF/6.3V
R610 0 1/10W
R611 0 1/10W
EAR_R
EAR_L
CN600
CONN
ZD601 VPORT0603100KV05
ZD602 VPORT0603100KV05
FB604 300 OHM
EAR_DET 3
ZD135 MLL5232B 5.6V
EMI issue need to add BEAD
SPDIF
C695 0.1uF
C696 10uF/16V
R4F7 10M 1/10W
U418A
MM74HC14MX
R4P9 must near to U418
R4R9 10 1/10W
U418B
MM74HC14MX
R4G1 330 1/10W
C694 0.1uF
R4G0 1M 1/10W
R4S1 NC/ 10 1/10W
Coaxial
FB607 600 OHM
R674 100K 1/10W
C697 330pF
ZD600 MLL5232B 5.6V
CN602
JACK
Audio I/F
Title
Page 14 - Audio I/F
Size B
Document Number T1961-F-X-X-1-070118
Rev F
Date: Thursday, January 18, 2007
Sheet 14 of 19

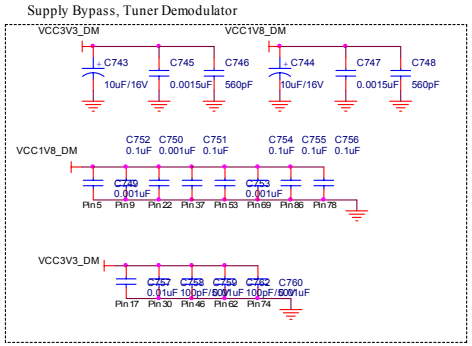

Reset Circuit
Reset Switch
Front Panel Control Connector
MISC & Connectors
U407
EM6353BX2SP3B-2.9+
U417
74HC4066DQ
U905
P87LPC764BD
U905-1
NC/P89LPC930FDH
U910
AP1117E33LA
CN419
CONN
CN902
Q907
2SC2412KR
Q906
2SC2412KR
Q908
AO4403
Q901
2SC2412KR
Q903
2SC2412KR
Q905
2SC2412KR
Title
Page 15- Standby MCU and Reset
Size B
Document Number
T1961-F-X-X-1-070118
Rev F
Date: Thursday, January 18, 2007
Sheet 15 of 19

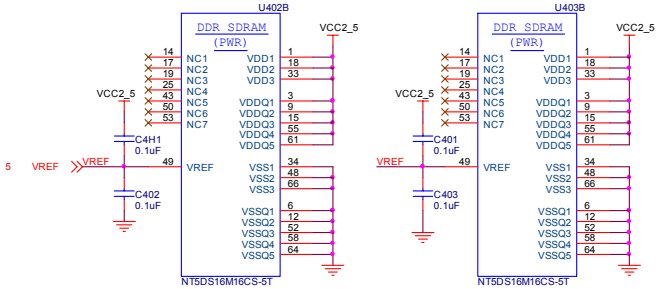


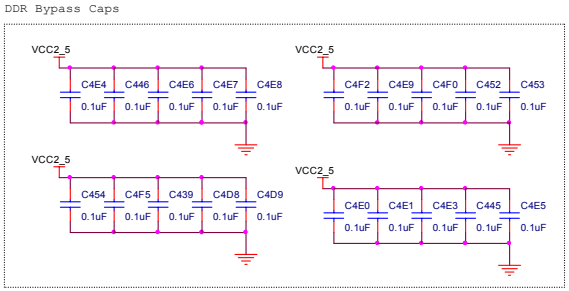
Power and Ground 1

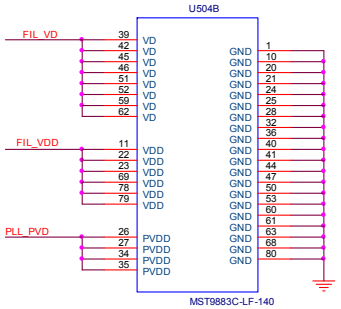
Title	Page 16 - Power and Ground 1		
Size A3	Document Number T1961-F-X-X-1-070118		Rev F
Date: Thursday, January 18, 2007	Sheet 16 of 19		

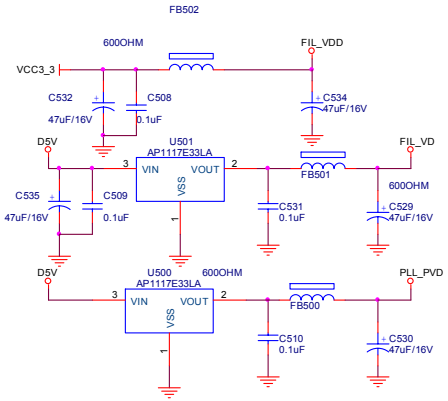


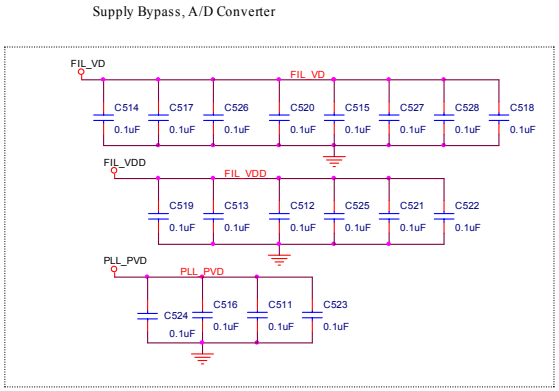






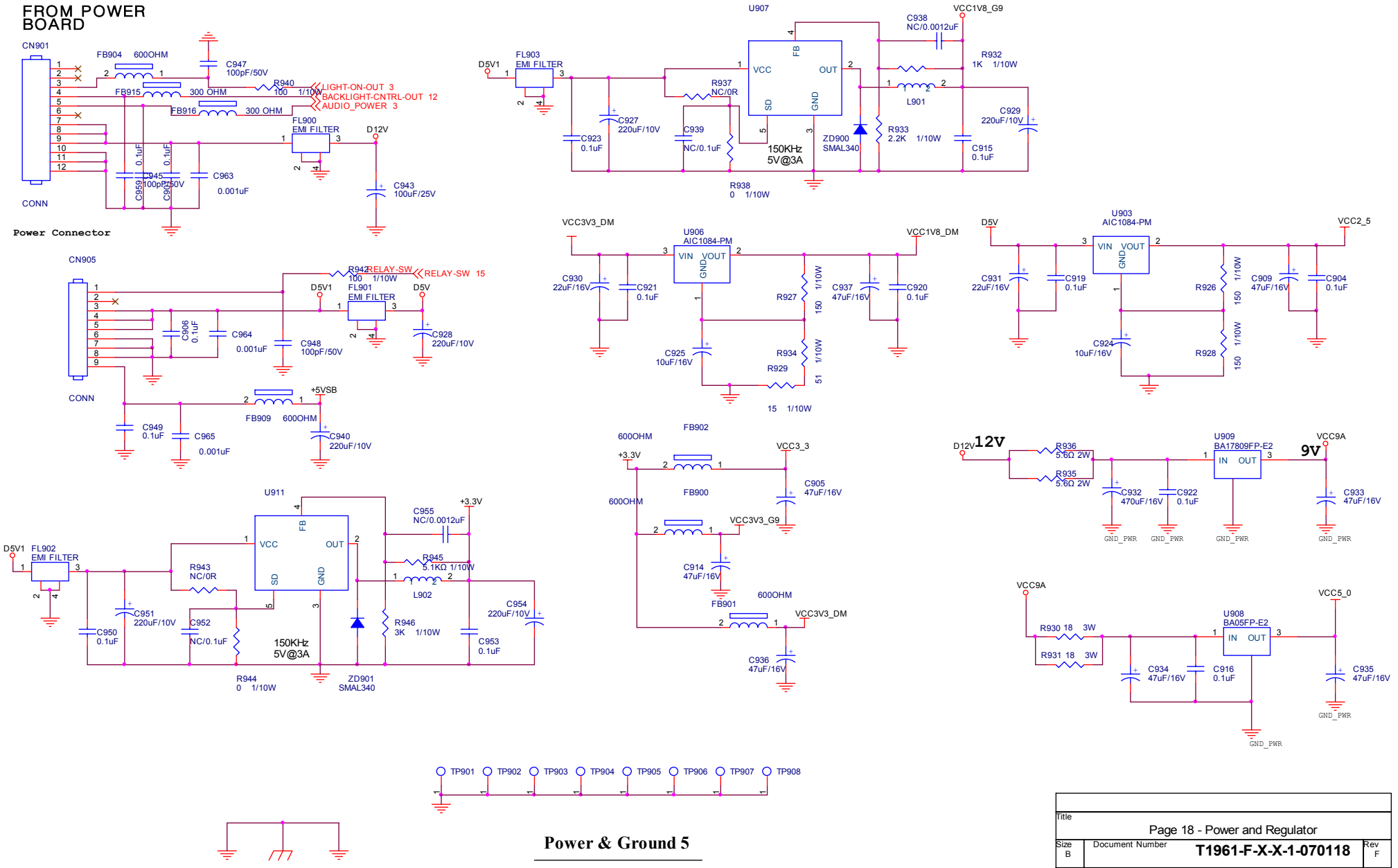




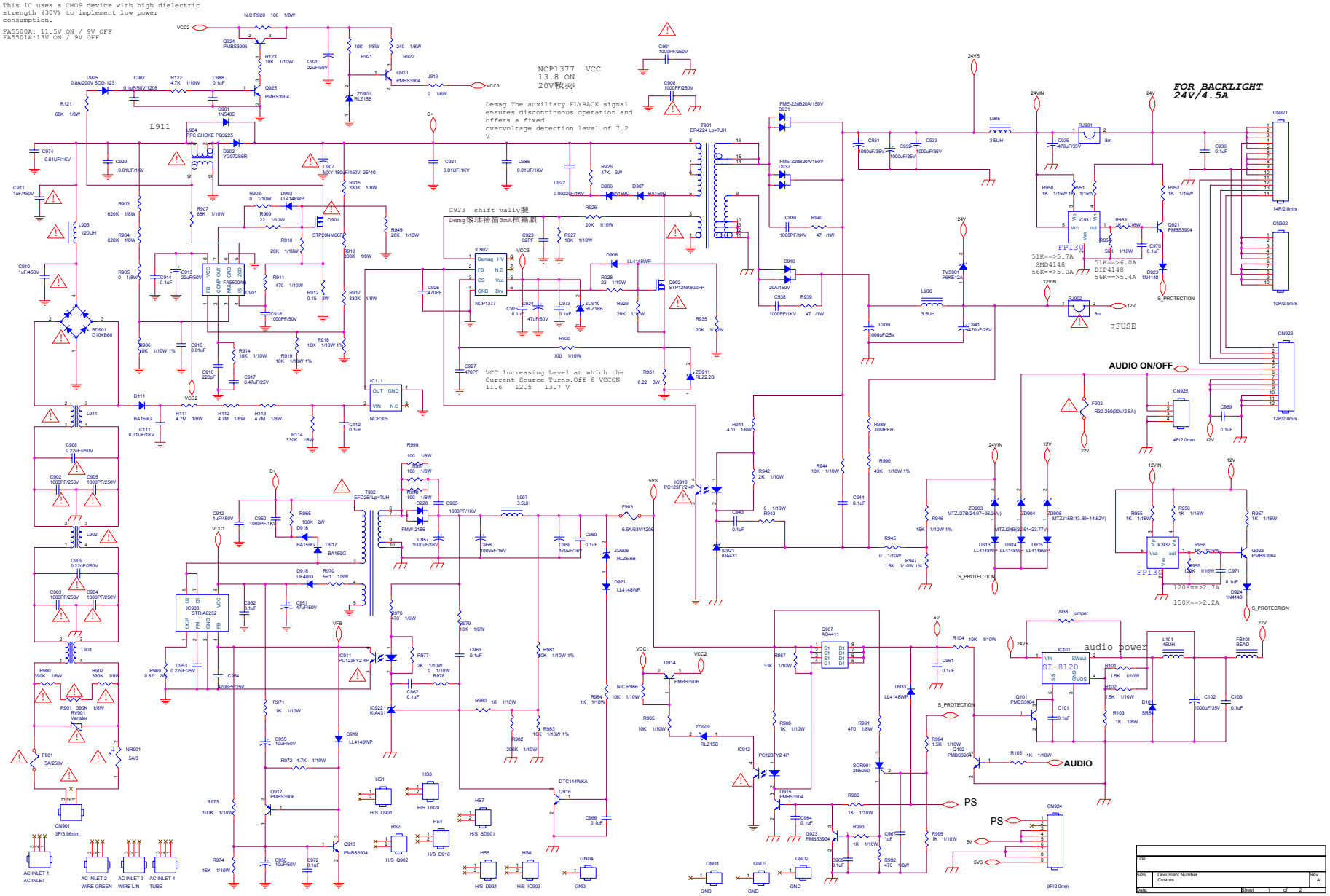


Power and Ground 2

Title	Page 17 - Power and Ground 2	
Size A3	Document Number T1961-F-X-X-1-070118	Rev F
Date: Thursday, January 18, 2007	Sheet 17 of 19	


FROM POWER BOARD
CN901
FB904 600OHM
C947 100pF/50V
FB915 300 OHM
FB916 300 OHM
R940 100 1/10W
LIGHT-ON-OUT 3
BACKLIGHT-CNTRL-OUT 12
AUDIO_POWER 3
FL900 EMI FILTER
D12V
C959 0.1uF
C960 0.1uF
C945 100pF/50V
C963 0.001uF
C943 100uF/25V
CONN
Power Connector
U907
FL903 EMI FILTER
D5V1
C938 NC/0.0012uF
VCC1V8_G9
R932 1K 1/10W
R937 NC/0R
L901
C927 220uF/10V
C923 0.1uF
C939 NC/0.1uF
C929 220uF/10V
C915 0.1uF
R933 2.2K 1/10W
ZD900 SMAL340
150KHz 5V@3A
R938 0 1/10W
CN905
R942 100 1/10W
RELAY-SW
RELAY-SW 15
FL901 EMI FILTER
C906 0.1uF
C964 0.001uF
C948 100pF/50V
C928 220uF/10V
C949 0.1uF
C965 0.001uF
FB909 600OHM
+5VSB
C940 220uF/10V
VCC3V3_DM
U906 AIC1084-PM
VCC1V8_DM
C930 22uF/16V
C921 0.1uF
R927
C937 47uF/16V
C920 0.1uF
C925 10uF/16V
R934
R929
15 1/10W
D5V
U903 AIC1084-PM
VCC2_5
C931 22uF/16V
C919 0.1uF
R926
C909 47uF/16V
C904 0.1uF
C924 10uF/16V
R928
U911
FB902 600OHM
+3.3V
VCC3_3
FB900 600OHM
C905 47uF/16V
VCC3V3_G9
C914 47uF/16V
FB901 600OHM
VCC3V3_DM
C936 47uF/16V
D5V1 FL902 EMI FILTER
R943 NC/0R
C955 NC/0.0012uF
+3.3V
R945 5.1KΩ 1/10W
L902
C954 220uF/10V
C951 220uF/10V
C950 0.1uF
C952 NC/0.1uF
150KHz 5V@3A
R946 3K 1/10W
C953 0.1uF
R944 0 1/10W
ZD901 SMAL340
D12V 12V
R936 5.6Ω 2W
R935 5.6Ω 2W
U909 BA17809FP-E2
VCC9A 9V
C932 470uF/16V
C922 0.1uF
C933 47uF/16V
GND_PWR
VCC9A
U908 BA05FP-E2
VCC5_0
R930 18 3W
R931 18 3W
C934 47uF/16V
C916 0.1uF
C935 47uF/16V
TP901 TP902 TP903 TP904 TP905 TP906 TP907 TP908
Power & Ground 5
Title
Page 18 - Power and Regulator
Size B
Document Number T1961-F-X-X-1-070118
Rev F
Date: Thursday, January 18, 2007
Sheet 18 of 19

9.2 Power Board

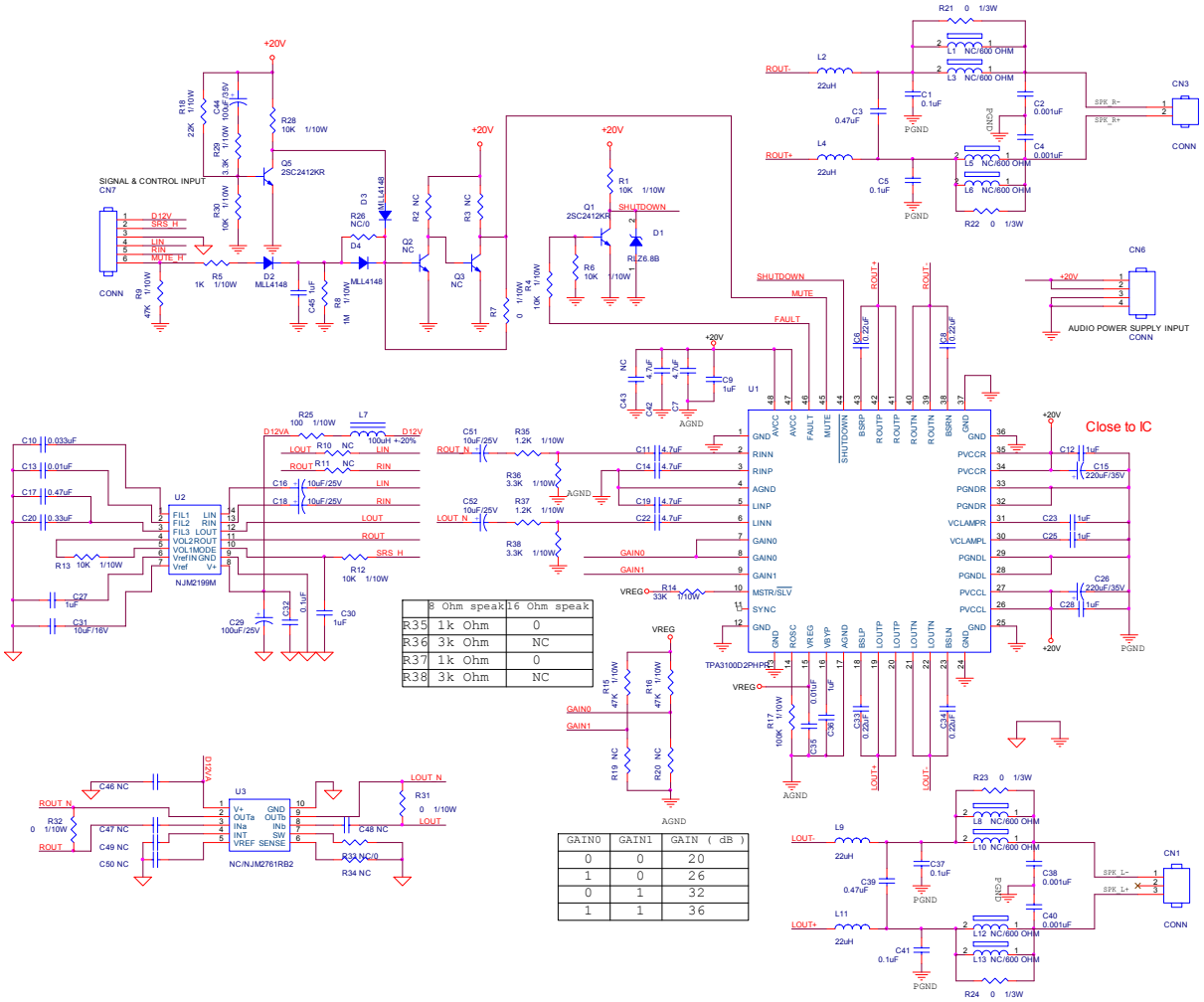


9.3 Audio Board

FAULT	TPA3100D2
L (0V~0.8V)	ACTIVE
H (2V~VDD)	FAULT

SHUTDOWN	TPA3100D2
L (0V~0.8V)	SHUTDOWN
H (2V ~ VDD)	ACTIVE

MUTE	TPA3100D2
L (0V~0.8V)	ACTIVE
H (2V~VDD)	MUTE



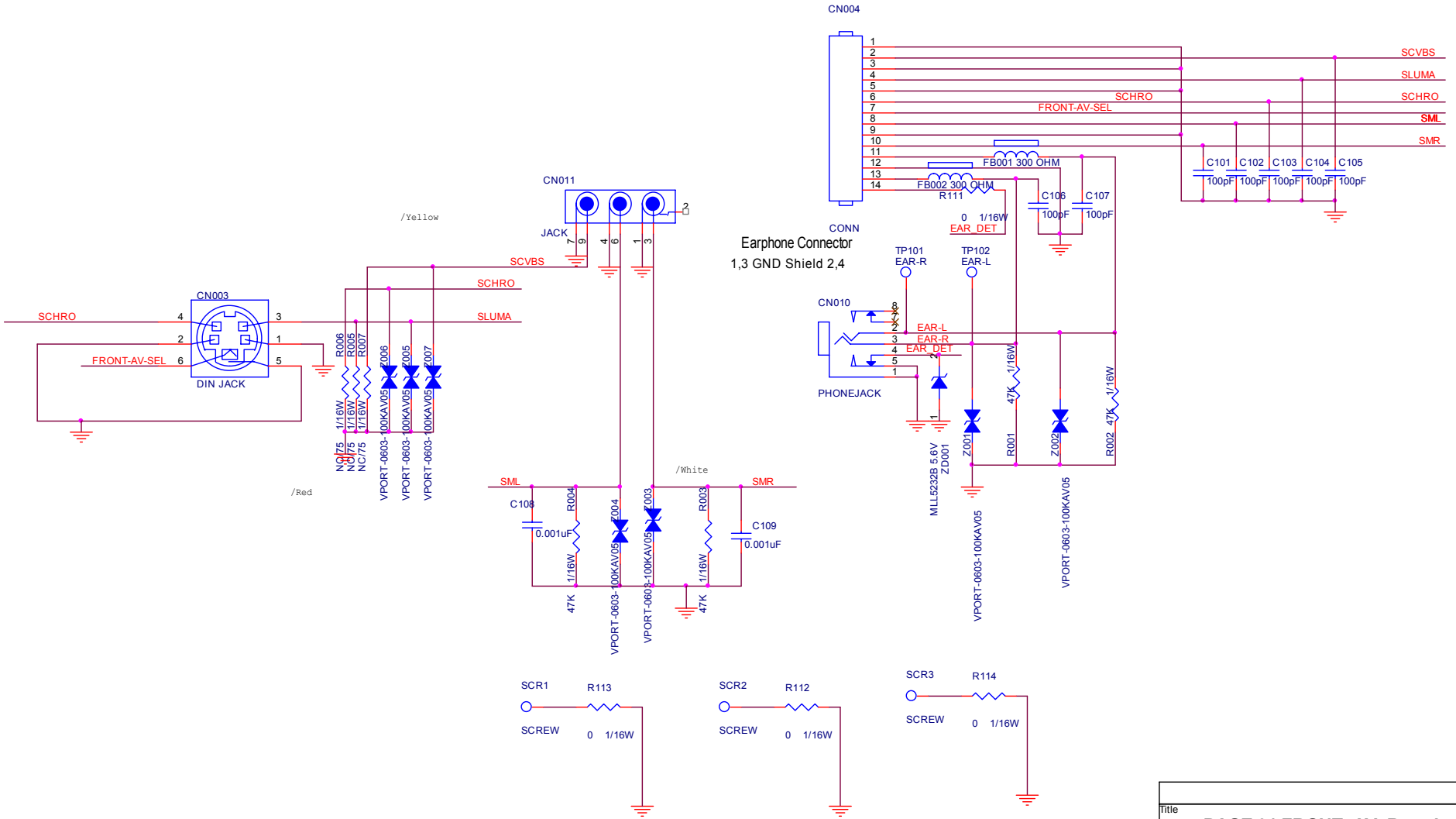
	8 Ohm speak	16 Ohm speak
R35	1k Ohm	0
R36	3k Ohm	NC
R37	1k Ohm	0
R38	3k Ohm	NC

GAIN0	GAIN1	GAIN (dB)
0	0	20
1	0	26
0	1	32
1	1	36

Title	PAGE 01 AUDIO POWER AMP.
Size: Custom	Document Number: T2091-C-X-X-1-060906
Rev	C
Date:	Tuesday , September 05, 2006
Sheet	1 of 2

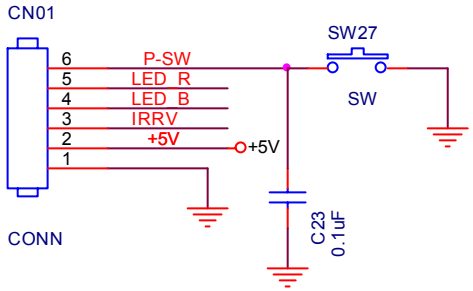
9.4 side Board

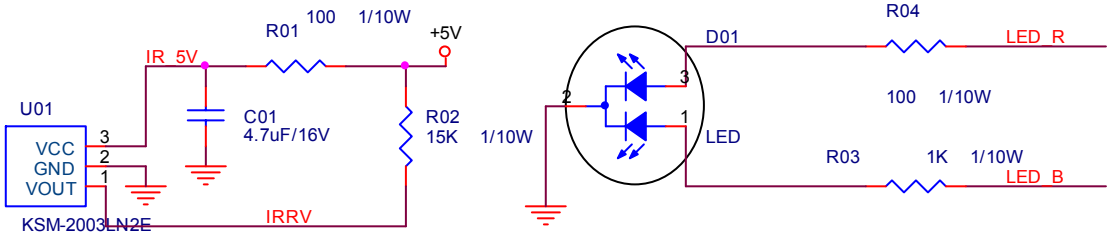
TO MAIN BOARD

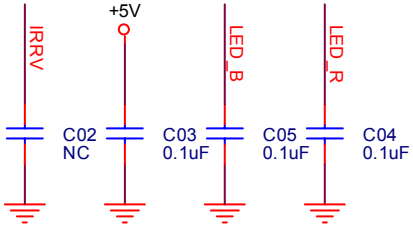


Title	PAGE 01 FRONT_AV_Board	
Size B	Document Number T1986-D-X-X-2-060802	Rev D
Date: Thursday, August 03, 2006	Sheet 1 of 1	

9.5 IR board

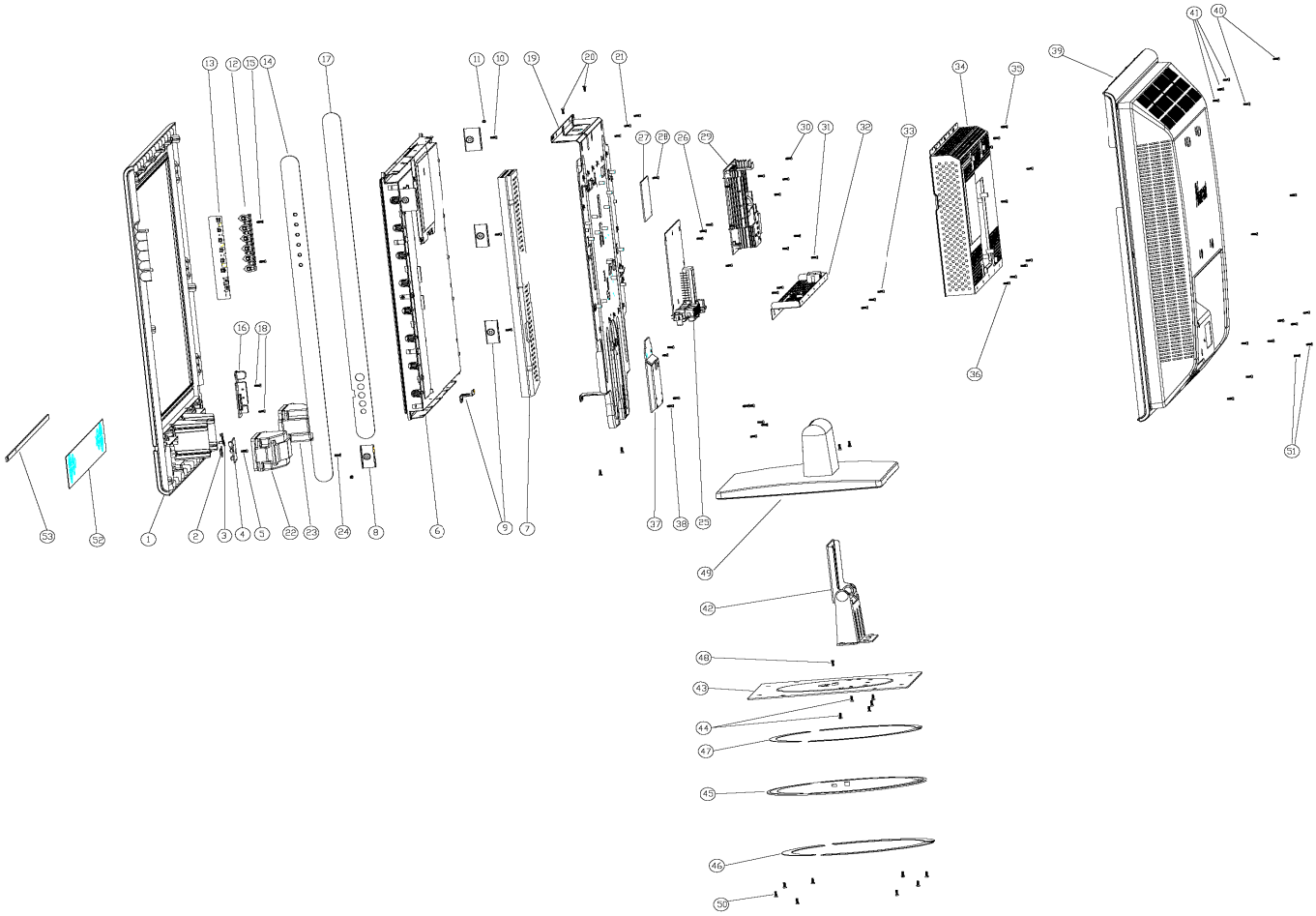






Title		
Size A	Document Number T1985-1-X-X-1-061031	Rev A
Date: Wednesday, November 01, 2006	Sheet 00 of 19	

10. Exploded View



Item	Part Number	Description	Item	Part Number	Description
1	Q34T1882 UKA1L	BEZEL	28	D1T1730 6128	SCREW
2	033T4828 ED C	REMOTE LENS	29	ADPC24180B2X2P	POWER BOARD
3	033T4950 AI L	POWER KEY	30	0M1T1730 6128	SCREW
4	IRPFFB2P	IR BOARD	31	0M1T1140 6128	SCREW
5	Q1T 1030 6128	SCREW T3X6	32	Q15T8289 5	IO BKT
6	750TVMN0B1411N	CMO 32"PANEL	33	0M1T 330 4128	SCREW
7	N/A	INV.SHIELDING	34	Q85T 730 3	SHIELDING
8	015T8221 1	BKT_HOLD_PANEL_CMO-1	35	0M1T 330 4128	SCREW
9	015T8221 2	BKT_HOLD_PANEL_CMO-2	36	0M1T 330 4128	SCREW
10	0Q1T 340 12128	SCREW (4X12)	37	015T8347 1	BKT SUPPORT HINGE
11	0M1T 940 6120	SCREW	38	M1T 340 8 47	SCREW
12	033T4949 AI L	FUNCTION KEY	39	Q34T1883 UK 1A	REAR COVER
13	KEPFFA8P	KEY BOARD	40	0Q1T 340 12 47	SCREW
14	34T1885-1	COVER_R_SIDE	41	0M1T 340 6 47	SCREW
15	Q1T 930 6128	SCREW T3X6	42	037T 568 1	HINGE
16	PTPFFA3	SIDE BOARD	43	015T8346 1	BKT BASE
17	Q34T1886 23A1P	COVER_L_SIDE	44	M1T 140 6120	SCREW
18	Q1T 1030 6128	SCREW T3X6	45	015T8345 1	SWIVEL PLATE
19	Q15T8303 6	MAIN FRAME	46	012T7007 1	RUBBER FOOT
20	0M1T 940 6120	SCREW	47	052T6025 15141	SMOOTH PAD
21	0Q1T 340 12128	SCREW (4X12)	48	M1T1740 10 128	SCREW
22	078T 443 2 L	SPEAKER 8 OHM 10W	49	34T1884 1	STAND BASE
23	078T 443 2 R	SPEAKER 8 OHM 10W	50	Q1T 140 8128	SCREW
24	Q1T340 12128	SCREW (4X12)	51	M1T 340 8 47	SCREW
25	CBPFFF6KMZNCP	MAIN BOARD	52	Q36T 433 UK 1C	SPEAKER GRILL
26	0M1T1730 6128	SCREW	53	Q33T5023 26A1P	BEZEL TRIM
27	AUPF6QA1	AUDIO BOARD			

11. BOM List

E326MZNKWNNRNCP

Location	Part No.	Description
	015T8221 2	BKT HOLD PANEL
	015T8347 1	BKT SUPPORT HINGE
	026T 800504 5	BARCODE
	040T 457842 2B	PALLET LABEL
	044T6000 4 6B	SPACE PAPER
	044T600278612A	PAPER BOARD
	044T600278613A	PAPER BOARD
	044T9003245	CORNER PAPER
	045T 99609 2	EPE COVER
	045T 99626 2	PE BAG FOR MONITOR
	050T 500 1	CABLE TIE
	052T 1185	MIDDLE TAPE FOR CARTON
	052T 1186	SMALL TAPE
	052T 1209 A	ADHESIVE TAPE 50(W)*135
	052T 1211 A	ADHESIVE TYPE
	052T6019 1	YELLOW TAPE
	052T6025 15141	SMOOTH PAD
	078T 443 2 L	SPK 16OHM 10W NEOSONICA
	078T 443 2 R	SPK 16OHM 10W NEOSONICA
	089T 17356G553	AUDIO CABLE
	089T 728HAA 1	SIGNAL CBALE
	089T402A18N IS	POWER CORD
	092TB1JX1A31GF	BATTERY
	095T 900 80	WIRE HARNESS
	095T8013 2 46	WIRE HARNESS
	095T8013 3 41	WIRE HARNESS
	095T8013 3532	WIRE HARNESS
	095T8013 6 28	HARNESS 6P-6P 200MM
	095T8013 14649	WIRE HARNESS
	095T8014 13 13	WIRE HARNESS
	095T8014 14665	WIRE HARNESS
	095T8018 30113	LVDS CABLE
	0M1T 330 4128 CR3	SCREW
	0M1T 330 4128 CR3	SCREW
	0M1T 340 6 47 CR3	SCREW
	0M1T 940 6120	SCREW
	0M1T 940 6120	SCREW
	0M1T 940 8 47 CR3	SCREW
	0M1T1140 6128 CR3	SCREW
	0M1T1730 6128 CR3	SCREW
	0Q1T 340 12 47 CR3	SCREW
	0Q1T 340 12128 CR3	SCREW
	0Q1T 930 6 47 CR3	SCREW
	0Q1T1040 8128 CR3	SCREW
	705TQJK0 95001	AC INLET ASS'Y
	077T 306 26 RF	ROCKER SWICH+SOCKET
	095T 900 76	WIRE

	095T 900624	WIRE HARNESS
	095T8021 3 25	WIRE HARNESS
	096T 29 4	SHRINK TUBE UL/CSA
	PTPFFA2P	PLUG BOARD
CN108	033T3278 3	WAFER
CN109	088T 353 9M H	DB9 RIGHT AMGLE MALE
PCB	715T1877 1	CONNECT BOARD PCB
	750TVMN0B1411N000E	PANEL TV V320B1-L04 CMO
	ADPC24180B2X2P	ADAPTER BOARD
CN922	033T3802 10	PLUG
CN921	033T3802 14	CONN
CN901	033T8029 3A	WAFER 2P 3.96MM
	040T 45762420A	S/N LABEL
IC910	056T 139 3A	PC123Y22FZOF
IC911	056T 139 3A	PC123Y22FZOF
IC912	056T 139 3A	PC123Y22FZOF
IC903	056T 379 49	STR-A6252
NR901	061T 58030 W	NTCR 3 欧 5A
R969	061T152M828 64	0.82OHM 2W
C921	065T 1K102 2E6921	1KV 1000PF Y5P
C929	065T 1K102 2E6921	1KV 1000PF Y5P
C974	065T 1K102 2E6921	1KV 1000PF Y5P
C985	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 40A18115H	ELCAP 180UF M 450V 105℃ HERMEI
L904	073T 174 69 L	430UH @ 40KHZ PFC CHOKE ERL28
L903	073T 174 70 L	120UH
L902	073T 174 78 H	LINE FILTER
L911	073T 174 78 L	LINE FILTER
L901	073T 174 78 L	LINE FILTER
L905	073T 253150 L	CHOCK
L101	073T 253151 LA	CHOKE COIL
L906	073T 253155 L	CHOKE
L907	073T 253155 L	CHOKE
T901	080TL23T 3 LS	X'FMR
T902	080TL23T 4 L	2.0MH +-10% @40KHZ EFD25
HS6	090T6119 3	HEAT SINK
TVS901	093T 3917352T	DIODE P6KE12A DO-15 LITEON
RJ901	095T 90 27	WIRE HARNESS
CN925	095T8014 4521	WIRE HARNESS
CN924	095T8014 9 52	WIRE HARNESS
CN923	095T8014 12 53	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 6	SHRINK TUBE UL/CSA
	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 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
	705G780K 57 13	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
	705T 20 93 17	D931/IC101/D932 ASS'Y
IC101	056T 563 54	SI-8120S
HS5	090T 426500	HEAT SINK
D932	093T 60252	SP20150
D931	093T 60252	SP20150
	0M1T1730 8128 CR3	SCREW
	705T780K 57 20	Q902 ASS'Y
	005T 42 3 GP	CUSHION
	012T 372 2	SILICON
Q902	057T 667 26	STP12NK80Z
	090T 425600 GP	HEAT SINK

	0M1T1730 8128 CR3	SCREW
	705TQJK1 67001	ADPTER FOR A4 ASS'Y
RV901	061T 46 10	CARISTOR 560V TVR10561KFW
C909	063T 10722410S	0.22UF 275VAC X2
C911	063T213J105GFA	MPF CAP
C910	063T213J105GFA	MPF CAP
C941	067T215D471 4K	LOW ESR EC 470UF 25V
C957	067T215L102 3R	LOW E.S.R 1000UF +-20% 16V
C958	067T215L102 3R	LOW E.S.R 1000UF +-20% 16V
C939	067T215L102 4R	LOW E.S.R 1000UF +/-20% 25V
C931	067T215L102 6N	KY35VB1000M-L 5*25MM
C933	067T215L102 6N	KY35VB1000M-L 5*25MM
C932	067T215L102 6N	KY35VB1000M-L 5*25MM
C959	067T215L471 3N	YF16VB470M-L 10*12.5
C935	067T215L471 6N	KY35VB470M-L 10*20MM
C102	067T215S102 6K	1000UF 35V
IC931	056T 192 16	FP130KR-LF
IC902	056T 379 57	NCP1377BDR2G S0IC-8
IC901	056T 538 6	FA5500AN
Q925	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q102	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q101	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q910	057T 417 4	CHIP PMBS3904 BY PHILIPS
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
Q924	057T 417 6	PMBS3906/PHILIPS-SMT
Q914	057T 417 6	PMBS3906/PHILIPS-SMT
Q912	057T 417 6	PMBS3906/PHILIPS-SMT
Q916	057T 760 5	DTC144WKA BY FOHM SMT
Q907	057T 763 29	FET AM4835P-T1-PF ANALOG POWER
R950	061T0603102	CHIP 1K OHM 1/16W
R951	061T0603102	CHIP 1K OHM 1/16W
R952	061T0603102	CHIP 1K OHM 1/16W
R953	061T0603102	CHIP 1K OHM 1/16W
R954	061T0603243	RST CHIPR 24 KOHM +-5% 1/10W
R908	061T0805000	CHIP 0OHM 5% 1/10W
R943	061T0805000	CHIP 0OHM 5% 1/10W
R945	061T0805000	CHIP 0OHM 5% 1/10W
R978	061T0805000	CHIP 0OHM 5% 1/10W
R906	061T0805100 2F	RST CHIPR 10 KOHM +-1% 1/8W
R919	061T0805100 2F	RST CHIPR 10 KOHM +-1% 1/8W
R981	061T0805100 2F	RST CHIPR 10 KOHM +-1% 1/8W
R983	061T0805100 2F	RST CHIPR 10 KOHM +-1% 1/8W
R930	061T0805101	RST CHIPR 100 OHM +-5% 1/8W
R984	061T0805101	RST CHIPR 100 OHM +-5% 1/8W
R105	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R995	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R993	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R986	061T0805102	RST CHIPR 1KOHM +-5% 1/4W

R980	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R123	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R926	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R104	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R985	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R944	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R932	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R927	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R914	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R973	061T0805104	RST CHIPR 100 KOHM +-5% 1/8W
R982	061T0805104	RST CHIPR 100 KOHM +-5% 1/8W
R101	061T0805122	RST CHIPR 1.2 KOHM +-5% 1/8W
R102	061T0805122	RST CHIPR 1.2 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
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
R942	061T0805202	RST CHIPR 2 KOHM +-5% 1/8W
R977	061T0805202	RST CHIPR 2 KOHM +-5% 1/8W
R935	061T0805203	RST CHIPR 20 KOHM +-5% 1/8W
R949	061T0805203	RST CHIPR 20 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
R972	061T0805472	RST CHIPR 4.7 KOHM +-5% 1/8W
R122	061T0805472	RST CHIPR 4.7 KOHM +-5% 1/8W
R971	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
R997	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R998	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R999	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R103	061T1206102	RST CHIPR 1 KOHM +-5% 1/4W
R921	061T1206103	RST CHIPR 10 KOHM +-5% 1/4W
R922	061T1206241	RST CHIPR 240 OHM +-5% 1/4W
R917	061T1206334	RST CHIPR 330 KOHM +-5% 1/4W
R916	061T1206334	RST CHIPR 330 KOHM +-5% 1/4W
R915	061T1206334	RST CHIPR 330 KOHM +-5% 1/4W
R902	061T1206394	RST CHIPR 390 KOHM +-5% 1/4W
R901	061T1206394	RST CHIPR 390 KOHM +-5% 1/4W
R900	061T1206394	RST CHIPR 390 KOHM +-5% 1/4W
R992	061T1206471	RST CHIPR 470 OHM +-5% 1/4W
R991	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
R121	061T1206683	RST CHIPR 68 KOHM +-5% 1/4W

C970	065T0603104 32	CHIP 0.1UF 50V X7R
C918	065T0805102 32	CHIP 1000P 50VX7R 0805
C915	065T0805103 32	10NF/50V/0805/X7R
C966	065T0805104 32	CHIP 0.1U 50V X7R
C963	065T0805104 32	CHIP 0.1U 50V X7R
C962	065T0805104 32	CHIP 0.1U 50V X7R
C961	065T0805104 32	CHIP 0.1U 50V X7R
C960	065T0805104 32	CHIP 0.1U 50V X7R
C952	065T0805104 32	CHIP 0.1U 50V X7R
C944	065T0805104 32	CHIP 0.1U 50V X7R
C943	065T0805104 32	CHIP 0.1U 50V X7R
C936	065T0805104 32	CHIP 0.1U 50V X7R
C925	065T0805104 32	CHIP 0.1U 50V X7R
C914	065T0805104 32	CHIP 0.1U 50V X7R
C104	065T0805104 32	CHIP 0.1U 50V X7R
C103	065T0805104 32	CHIP 0.1U 50V X7R
C968	065T0805104 32	CHIP 0.1U 50V X7R
C101	065T0805104 32	CHIP 0.1U 50V X7R
C984	065T0805104 32	CHIP 0.1U 50V X7R
C983	065T0805104 32	CHIP 0.1U 50V X7R
C982	065T0805104 32	CHIP 0.1U 50V X7R
C981	065T0805104 32	CHIP 0.1U 50V X7R
C980	065T0805104 32	CHIP 0.1U 50V X7R
C979	065T0805104 32	CHIP 0.1U 50V X7R
C978	065T0805104 32	CHIP 0.1U 50V X7R
C977	065T0805104 32	CHIP 0.1U 50V X7R
C976	065T0805104 32	CHIP 0.1U 50V X7R
C975	065T0805104 32	CHIP 0.1U 50V X7R
C973	065T0805104 32	CHIP 0.1U 50V X7R
C972	065T0805104 32	CHIP 0.1U 50V X7R
C969	065T0805104 32	CHIP 0.1U 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
C988	065T0805225 22	CHIP 2.2UF 25V X7R 0805
C926	065T0805471 31	CHIP 470PF 50V NPO
C927	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
C987	065T120610432W	CAP 1206 0.1UF K 50V X7R
D903	093T 64 44 S	LL4148WP
D908	093T 64 44 S	LL4148WP
D909	093T 64 44 S	LL4148WP
D913	093T 64 44 S	LL4148WP
D915	093T 64 44 S	LL4148WP
D919	093T 64 44 S	LL4148WP
D921	093T 64 44 S	LL4148WP
D933	093T 64 44 S	LL4148WP
D914	093T 64 44 S	LL4148WP

ZD909	093T 39S 15 T	RLZ15B
ZD901	093T 39S 15 T	RLZ15B
ZD906	093T 39S 24 T	RLZ 5.6B LLDS
D925	093T 52S 4 T	DIODE PSM13PT CHENMKO
D101	093T5004 1	SR54 T0-214AA
T901	006T 31500	EYELET
T902	006T 31500	EYELET
L903	006T 31500	EYELET
L901	006T 31502	1.5MM RIVET
NR901	006T 31502	1.5MM RIVET
R912	006T 31502	1.5MM RIVET
R931	006T 31502	1.5MM RIVET
C908	006T 31502	1.5MM RIVET
C910	006T 31502	1.5MM RIVET
C911	006T 31502	1.5MM RIVET
L902	006T 31502	1.5MM RIVET
C909	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
R976	061T 60247152T	470OHM +-5% 1/6W
R941	061T 60247152T	470OHM +-5% 1/6W
C965	065T 1K102 5T6921	1000PF/1KV
C950	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
C920	067T 2152207NT	KY50VB22M-TP5 5*11
C913	067T 2152207NT	KY50VB22M-TP5 5*11
C924	067T 2154707NT	47UF 50V NCC 5*11MM
C951	067T 2154707NT	47UF 50V NCC 5*11MM
J923	071T 55 19 T	FERRITE BEAD D9X3. 5X0.8
J924	071T 55 19 T	FERRITE BEAD D9X3. 5X0.8
L908	071T 55 19 T	FERRITE BEAD D9X3. 5X0.8
FB101	071T 55 29	BEAD
F902	084T 55 2	FUSE
RJ902	084T 55 2	FUSE
F901	084T 55 4	FOSE 382-5A 250V SICKMANN
ZD905	093T 3916652T	MTZJ T-72 15B
ZD904	093T 3916952T	MTZJ T-72 24B
ZD903	093T 3917052T	MTZJT-72 27B
D923	093T 64 1152T	1N4148
J943	095T 90 23	JUMP WIRE
J906	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
J919	095T 90 23	JUMP WIRE

J918	095T 90 23	JUMP WIRE
J909	095T 90 23	JUMP WIRE
J926	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
J910	095T 90 23	JUMP WIRE
J927	095T 90 23	JUMP WIRE
J942	095T 90 23	JUMP WIRE
J935	095T 90 23	JUMP WIRE
J934	095T 90 23	JUMP WIRE
J933	095T 90 23	JUMP WIRE
J932	095T 90 23	JUMP WIRE
J931	095T 90 23	JUMP WIRE
J930	095T 90 23	JUMP WIRE
J929	095T 90 23	JUMP WIRE
J928	095T 90 23	JUMP WIRE
J908	095T 90 23	JUMP WIRE
J907	095T 90 23	JUMP WIRE
J905	095T 90 23	JUMP WIRE
J939	095T 90 23	JUMP WIRE
R989	095T 90 23	JUMP WIRE
J916	095T 90 23	JUMP WIRE
J904	095T 90 23	JUMP WIRE
J901	095T 90 23	JUMP WIRE
J914	095T 90 23	JUMP WIRE
	715T1624 2 D2	POWER BOARD PCB
	AUPF6QA1	AUDIO BOARD
CN3	033T3278 2	WAFER
CN1	033T3278 3	WAFER
CN7	033T3278 6	WAFER
CN6	033T3802 4	WAFER PH-4
	040T 45762412B	CBPC LABEL
C3	064T176J474 0T	0.47UF +-5% 50/63V
C39	064T176J474 0T	0.47UF +-5% 50/63V
C44	067T 215101 6P	EC 105℃ 100UF M 35V
C15	067T 215221 6P	ELCAP 105℃ 220UF M 35V
C26	067T 215221 6P	ELCAP 105℃ 220UF M 35V
U1	090T6068 2	HEAT SINK
U2	056T 593 19	NJM2199 DMP14E
U1	056T 616 25 1	IC TPA3100D2PHPR HTQFP-48 TI
Q1	057T 765 1	2SC2412KR
Q5	057T 765 1	2SC2412KR
R31	061T0603000	CHIP 0OHM 1/16W
R32	061T0603000	CHIP 0OHM 1/16W
R7	061T0603000	CHIP 0OHM 1/16W
R35	061T0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R37	061T0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R25	061T0603101	CHIP 100OHM 1/16W

R5	061T0603102	CHIP 1K OHM 1/16W
R1	061T0603103	CHIP 10KOHM 1/16W
R12	061T0603103	CHIP 10KOHM 1/16W
R13	061T0603103	CHIP 10KOHM 1/16W
R28	061T0603103	CHIP 10KOHM 1/16W
R30	061T0603103	CHIP 10KOHM 1/16W
R4	061T0603103	CHIP 10KOHM 1/16W
R6	061T0603103	CHIP 10KOHM 1/16W
R17	061T0603104	CHIP 100K OHM 1/16W
R8	061T0603105	CHIP 1MOHM 1/16W
R18	061T0603223	CHIP 22KOHM 1/16W
R29	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R14	061T0603333	RST CHIPR 33 KOHM +-5% 1/10W
R38	061T0603470 1F	CHIP 4.7K OHM 1/16W 1%
R36	061T0603470 1F	CHIP 4.7K OHM 1/16W 1%
R9	061T0603473	CHIP 47KOHM 1/16W
R16	061T0603473	CHIP 47KOHM 1/16W
R15	061T0603473	CHIP 47KOHM 1/16W
R24	061T1210000	RST CHIPR 0 OHM +-5% 1/3W
R23	061T1210000	RST CHIPR 0 OHM +-5% 1/3W
R22	061T1210000	RST CHIPR 0 OHM +-5% 1/3W
R21	061T1210000	RST CHIPR 0 OHM +-5% 1/3W
C2	065T0603102 32	CHIP 1000PF 50V X7R
C38	065T0603102 32	CHIP 1000PF 50V X7R
C4	065T0603102 32	CHIP 1000PF 50V X7R
C40	065T0603102 32	CHIP 1000PF 50V X7R
C13	065T0603103 32	CHIP 0.01UF 50V X7R
C35	065T0603103 32	CHIP 0.01UF 50V X7R
C5	065T0603104 32	CHIP 0.1UF 50V X7R
C41	065T0603104 32	CHIP 0.1UF 50V X7R
C37	065T0603104 32	CHIP 0.1UF 50V X7R
C32	065T0603104 32	CHIP 0.1UF 50V X7R
C1	065T0603104 32	CHIP 0.1UF 50V X7R
C33	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C34	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C6	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C8	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C10	065T0603333 32	CHIP 0.033UF 50V X7R
C20	065T0603334 17	CHIP 0.33UF 16V Y5V
C17	065T0603474 27	CHIP 0.47UF 25V Y5V
C28	065T0805105 32	1UF/50V
C27	065T0805105 32	1UF/50V
C30	065T0805105 32	1UF/50V
C9	065T0805105 32	1UF/50V
C12	065T0805105 32	1UF/50V
C23	065T0805105 32	1UF/50V
C25	065T0805105 32	1UF/50V
C36	065T0805105 37	CHIP 1UF 50V Y5V
C45	065T0805105 37	CHIP 1UF 50V Y5V
C31	065T1206106 17	CHIP 10UF 16V Y5V
C22	065T1206475 22	4.7U/25V X7R

C11	065T1206475 22	4.7U/25V X7R
C14	065T1206475 22	4.7U/25V X7R
C19	065T1206475 22	4.7U/25V X7R
C42	065T1206475 22	4.7U/25V X7R
C7	065T1206475 22	4.7U/25V X7R
C52	067T311F100 4T	EC 105℃ 10UF M 25V
C51	067T311F100 4T	EC 105℃ 10UF M 25V
C18	067T311F100 4T	EC 105℃ 10UF M 25V
C16	067T311F100 4T	EC 105℃ 10UF M 25V
C29	067T311F101 4T	EC 105℃ 100UF M 25V
L9	073T 253136 S	IND SMD 22UH+-20% BULLWILL
L4	073T 253136 S	IND SMD 22UH+-20% BULLWILL
L2	073T 253136 S	IND SMD 22UH+-20% BULLWILL
L11	073T 253136 S	IND SMD 22UH+-20% BULLWILL
L7	073T 253142 S	IND SMD 100.0UH+-20% TAI CHANGIND
D4	093T 6432P	LL4148 BY PANJIT
D3	093T 6432P	LL4148 BY PANJIT
D2	093T 6432P	LL4148 BY PANJIT
D1	093T 39S 10 T	RLZ6.8B LLDS
	715T2091 C	AUDIO BOARD PCB
	CBPF6Z1KQ6	CONVERSIONT1961-F-X-X-1-061206
CN107	033T3278 3	WAFER
CN600	033T3278 4	WAFER
CN418	033T3278 6	WAFER
CN100	033T3278 10	10 PLUG B10E-XHA/JST E10B-XHA/
CN419	033T3278 13	WAFER
CN905	033T3802 9	WAFER PH-9
CN901	033T3802 12	WAFER PH-12
CN407	033T8027 28	WAFER
	040T 457624 1B	CPU LABEL
	040T 45762412B	CBPC LABEL
	044T3231508512	CHIELD D-SUB
SF701	053T 44 5	SAW FILTER EPCOS
R935	061T152M569 64	5.6OHM 5% 2W
R936	061T152M569 64	5.6OHM 5% 2W
R930	061T153M180 59	18 OHM 5% 3W
R931	061T153M180 59	18 OHM 5% 3W
C606	067T305V471 1	EC 105℃ 470UF M 6.3V
C605	067T305V471 1	EC 105℃ 470UF M 6.3V
SW401	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
	085T 583510	GASKET
CN602	088T 78 8 TO	RCA JACK TC58-120-01
CN101	088T 78 13 8C	RCA JACK
CN105	088T 78 13 9C	RCA JACK
CN106	088T 78 1320C	RCA JACK
CN104	088T 100 6 C	4PIN MINI DIN JACK
CN103	088T 30214K	PHONE JACK
CN102	088T 35315F H	DB15 RIGHT ANGLE FEMALE
	090T 372 2	HEAT SINK
X901	093T 2251B J	NXS12.000AC30F-BT-2
X401	093T 2258B J	24.576MHZ/20PF/49US

X701	093T 2262B J	CRYSTAL NXS25.000 AC 20PF HC-49/US NSK
TU701	094TNTATALL T	TUNER DTT7611A THOMSON
	Q90T8007 1A	HEAT SINK
FL900	053T 43 1	FILTER BULLWILL
FL901	053T 43 1	FILTER BULLWILL
FL902	053T 43 1	FILTER BULLWILL
FL903	053T 43 1	FILTER BULLWILL
U909	056T 133 23 R	BA17809FP-E2
U908	056T 133 27 R	IC BA05FP-E2 BY ROHM
U601	056T 192 9	IC LM358DR TI
U906	056T 563 9	AIC1084PM
U903	056T 563 9	AIC1084PM
U911	056T 56314A	IC AP1501-K5LA TO-263-5L ANACHIP
U907	056T 56314A	IC AP1501-K5LA TO-263-5L ANACHIP
U504	056T 567 7	MST9883C-140 LQFP-80 BY MST
U910	056T 585 4A	AP1117E33LA
U501	056T 585 4A	AP1117E33LA
U500	056T 585 4A	AP1117E33LA
U403	056T 61550C	NT5DS16M16CS-5T
U402	056T 61550C	NT5DS16M16CS-5T
U600	056T 616 8	TPA6110A2DGNR
U107	056T 623 16	IC FSAV433MTCX-NL TSSOP-20BY FAIRCHILD
U417	056T 632 1	IC 74HC4066DQ BY PHILIPS
U108	056T 634 3	IC STV6415DD ST
U103	056T 637600TSH	IC TC74HC4051AF TOSHIBA
U104	056T 637600TSH	IC TC74HC4051AF TOSHIBA
U101	056T 638603	IC CS5340-CZZ CIRRUS
U702	056T 639 2	UPC 3218GV-E1-S
U407	056T 643500	EM6353BX2SP3B-2.9
U401	056T 644600	IC ZR39660BGCG ZORAN
U408	056T 645 1	HIN232CB-T S016 INTERSIL
U701	056T 647 12	IC CAS-220/CS LQFP-100 ZORAN
U420	056T 652 4	PCA9515ADP TSSOP
U415	056T 662 4	RCLAMP0514M.TBT
U414	056T 662 4	RCLAMP0514M.TBT
U502	056T 7SZ 2P F	IC NC7SZ02P5X SOT-23 FAIRCHILD
U905	056T1125700ND2	IC P87LPC764BD PHILIPS
U405	056T1130 3	CS4335-KSZ SOIC-8
U404	056T1133 88ND6	IC M29W320EB70N6E TSOP48 ST
U106	056T113334A	M24C02-WMN6TP
U412	056T113353A	M24C32-WMN6TP
U503	056T4LVT 14 P	IC 74LVT14D,118 BY SO-14 PHILIPS
U418	056T74HC 14 F	IC MM74HC14MX SOIC-14
Q701	057T 417 10	BFR93A SOT-23
Q401	057T 758 1	FET 2N7002E VISHAY
Q402	057T 758 1	FET 2N7002E VISHAY
Q908	057T 763 3B	AM9435P.T1-PF SO-8
Q907	057T 765 1	2SC2412KR
Q906	057T 765 1	2SC2412KR
Q905	057T 765 1	2SC2412KR
Q903	057T 765 1	2SC2412KR

Q901	057T 765 1	2SC2412KR
Q111	057T 765 1	2SC2412KR
Q110	057T 765 1	2SC2412KR
Q109	057T 765 1	2SC2412KR
Q108	057T 765 1	2SC2412KR
Q107	057T 765 1	2SC2412KR
Q106	057T 765 1	2SC2412KR
Q105	057T 765 1	2SC2412KR
Q104	057T 765 1	2SC2412KR
Q103	057T 765 1	2SC2412KR
Q102	057T 765 1	2SC2412KR
Q101	057T 765 1	2SC2412KR
Q100	057T 765 1	2SC2412KR
RP505	061T 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP504	061T 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP503	061T 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP502	061T 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP501	061T 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP500	061T 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP416	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP415	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP414	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP413	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP412	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP411	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP410	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP409	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP408	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP407	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP406	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP405	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP404	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP403	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP402	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
RP401	061T 125150 8	RST CHIP AR 8P4R 15 OHM +-5% 1/16W
R4P5	061T0603000	CHIP 0OHM 1/16W
R4P4	061T0603000	CHIP 0OHM 1/16W
R4P3	061T0603000	CHIP 0OHM 1/16W
R4P2	061T0603000	CHIP 0OHM 1/16W
R4P1	061T0603000	CHIP 0OHM 1/16W
R4P0	061T0603000	CHIP 0OHM 1/16W
R4N9	061T0603000	CHIP 0OHM 1/16W
R4N8	061T0603000	CHIP 0OHM 1/16W
R4N7	061T0603000	CHIP 0OHM 1/16W
R4N6	061T0603000	CHIP 0OHM 1/16W
R4N0	061T0603000	CHIP 0OHM 1/16W
R4M8	061T0603000	CHIP 0OHM 1/16W
R4S0	061T0603000	CHIP 0OHM 1/16W
R4Q9	061T0603000	CHIP 0OHM 1/16W
R957	061T0603000	CHIP 0OHM 1/16W
R956	061T0603000	CHIP 0OHM 1/16W

R952	061T0603000	CHIP 0OHM 1/16W
R944	061T0603000	CHIP 0OHM 1/16W
R938	061T0603000	CHIP 0OHM 1/16W
R920	061T0603000	CHIP 0OHM 1/16W
R724	061T0603000	CHIP 0OHM 1/16W
R611	061T0603000	CHIP 0OHM 1/16W
R610	061T0603000	CHIP 0OHM 1/16W
R4P7	061T0603000	CHIP 0OHM 1/16W
R4L0	061T0603000	CHIP 0OHM 1/16W
R1H9	061T0603000	CHIP 0OHM 1/16W
R1F8	061T0603000	CHIP 0OHM 1/16W
R1F7	061T0603000	CHIP 0OHM 1/16W
R159	061T0603000	CHIP 0OHM 1/16W
R158	061T0603000	CHIP 0OHM 1/16W
R157	061T0603000	CHIP 0OHM 1/16W
R156	061T0603000	CHIP 0OHM 1/16W
R155	061T0603000	CHIP 0OHM 1/16W
R154	061T0603000	CHIP 0OHM 1/16W
R153	061T0603000	CHIP 0OHM 1/16W
R152	061T0603000	CHIP 0OHM 1/16W
R151	061T0603000	CHIP 0OHM 1/16W
R4K2	061T0603000	CHIP 0OHM 1/16W
R4K1	061T0603000	CHIP 0OHM 1/16W
R4K0	061T0603000	CHIP 0OHM 1/16W
R4J8	061T0603000	CHIP 0OHM 1/16W
R4J6	061T0603000	CHIP 0OHM 1/16W
R4J1	061T0603000	CHIP 0OHM 1/16W
R4J0	061T0603000	CHIP 0OHM 1/16W
R4H9	061T0603000	CHIP 0OHM 1/16W
R4E6	061T0603000	CHIP 0OHM 1/16W
R4A5	061T0603000	CHIP 0OHM 1/16W
R1J1	061T0603000	CHIP 0OHM 1/16W
R1J0	061T0603000	CHIP 0OHM 1/16W
R150	061T0603000	CHIP 0OHM 1/16W
R455	061T0603100	CHIP 10OHM 1/16W
R4P9	061T0603100	CHIP 10OHM 1/16W
R4S2	061T0603101	CHIP 100OHM 1/16W
R942	061T0603101	CHIP 100OHM 1/16W
R940	061T0603101	CHIP 100OHM 1/16W
R917	061T0603101	CHIP 100OHM 1/16W
R916	061T0603101	CHIP 100OHM 1/16W
R721	061T0603101	CHIP 100OHM 1/16W
R702	061T0603101	CHIP 100OHM 1/16W
R701	061T0603101	CHIP 100OHM 1/16W
R609	061T0603101	CHIP 100OHM 1/16W
R1H6	061T0603101	CHIP 100OHM 1/16W
R1H5	061T0603101	CHIP 100OHM 1/16W
R1H4	061T0603101	CHIP 100OHM 1/16W
R184	061T0603101	CHIP 100OHM 1/16W
R182	061T0603101	CHIP 100OHM 1/16W
R116	061T0603101	CHIP 100OHM 1/16W

R439	061T0603102	CHIP 1K OHM 1/16W
R441	061T0603102	CHIP 1K OHM 1/16W
R462	061T0603102	CHIP 1K OHM 1/16W
R467	061T0603102	CHIP 1K OHM 1/16W
R4A3	061T0603102	CHIP 1K OHM 1/16W
R4F8	061T0603102	CHIP 1K OHM 1/16W
R4F9	061T0603102	CHIP 1K OHM 1/16W
R4M0	061T0603102	CHIP 1K OHM 1/16W
R4M2	061T0603102	CHIP 1K OHM 1/16W
R4M4	061T0603102	CHIP 1K OHM 1/16W
R427	061T0603102	CHIP 1K OHM 1/16W
R426	061T0603102	CHIP 1K OHM 1/16W
R183	061T0603102	CHIP 1K OHM 1/16W
R435	061T0603102	CHIP 1K OHM 1/16W
R437	061T0603102	CHIP 1K OHM 1/16W
R909	061T0603102	CHIP 1K OHM 1/16W
R932	061T0603102	CHIP 1K OHM 1/16W
R513	061T0603102	CHIP 1K OHM 1/16W
R501	061T0603102	CHIP 1K OHM 1/16W
R500	061T0603102	CHIP 1K OHM 1/16W
R4Q8	061T0603103	CHIP 10KOHM 1/16W
R953	061T0603103	CHIP 10KOHM 1/16W
R939	061T0603103	CHIP 10KOHM 1/16W
R725	061T0603103	CHIP 10KOHM 1/16W
R714	061T0603103	CHIP 10KOHM 1/16W
R709	061T0603103	CHIP 10KOHM 1/16W
R4F1	061T0603103	CHIP 10KOHM 1/16W
R4F0	061T0603103	CHIP 10KOHM 1/16W
R4E9	061T0603103	CHIP 10KOHM 1/16W
R4D9	061T0603103	CHIP 10KOHM 1/16W
R489	061T0603103	CHIP 10KOHM 1/16W
R474	061T0603103	CHIP 10KOHM 1/16W
R473	061T0603103	CHIP 10KOHM 1/16W
R464	061T0603103	CHIP 10KOHM 1/16W
R179	061T0603103	CHIP 10KOHM 1/16W
R178	061T0603103	CHIP 10KOHM 1/16W
R177	061T0603103	CHIP 10KOHM 1/16W
R176	061T0603103	CHIP 10KOHM 1/16W
R107	061T0603103	CHIP 10KOHM 1/16W
R106	061T0603103	CHIP 10KOHM 1/16W
R614	061T0603103	CHIP 10KOHM 1/16W
R612	061T0603103	CHIP 10KOHM 1/16W
R4P8	061T0603103	CHIP 10KOHM 1/16W
R4N1	061T0603103	CHIP 10KOHM 1/16W
R4K4	061T0603103	CHIP 10KOHM 1/16W
R4K3	061T0603103	CHIP 10KOHM 1/16W
R4J9	061T0603103	CHIP 10KOHM 1/16W
R4J3	061T0603103	CHIP 10KOHM 1/16W
R4J2	061T0603103	CHIP 10KOHM 1/16W
R4F6	061T0603103	CHIP 10KOHM 1/16W
R4F5	061T0603103	CHIP 10KOHM 1/16W

R4F4	061T0603103	CHIP 10KOHM 1/16W
R4F3	061T0603103	CHIP 10KOHM 1/16W
R4F2	061T0603103	CHIP 10KOHM 1/16W
R171	061T0603104	CHIP 100K OHM 1/16W
R170	061T0603104	CHIP 100K OHM 1/16W
R169	061T0603104	CHIP 100K OHM 1/16W
R168	061T0603104	CHIP 100K OHM 1/16W
R167	061T0603104	CHIP 100K OHM 1/16W
R166	061T0603104	CHIP 100K OHM 1/16W
R165	061T0603104	CHIP 100K OHM 1/16W
R164	061T0603104	CHIP 100K OHM 1/16W
R163	061T0603104	CHIP 100K OHM 1/16W
R162	061T0603104	CHIP 100K OHM 1/16W
R160	061T0603104	CHIP 100K OHM 1/16W
R111	061T0603104	CHIP 100K OHM 1/16W
R110	061T0603104	CHIP 100K OHM 1/16W
R173	061T0603104	CHIP 100K OHM 1/16W
R174	061T0603104	CHIP 100K OHM 1/16W
R175	061T0603104	CHIP 100K OHM 1/16W
R4K7	061T0603104	CHIP 100K OHM 1/16W
R4K8	061T0603104	CHIP 100K OHM 1/16W
R674	061T0603104	CHIP 100K OHM 1/16W
R4G0	061T0603105	CHIP 1MOHM 1/16W
R719	061T0603105	CHIP 1MOHM 1/16W
R4F7	061T0603106	RST CHIPR 10 MOHM +-5% 1/10W
R929	061T0603150	RST CHIPR 15 OHM +-5% 1/10W
R926	061T0603151	RST CHIPR 150 OHM +-5% 1/10W
R927	061T0603151	RST CHIPR 150 OHM +-5% 1/10W
R928	061T0603151	RST CHIPR 150 OHM +-5% 1/10W
R197	061T0603152	CHIP 1.5KOHM 1/16W
R198	061T0603152	CHIP 1.5KOHM 1/16W
R4A0	061T0603180	RST CHIPR 18 OHM +-5% 1/10W
R4A1	061T0603180	RST CHIPR 18 OHM +-5% 1/10W
R717	061T0603202	RST CHIPR 2 KOHM +-5% 1/10W
R722	061T0603202	RST CHIPR 2 KOHM +-5% 1/10W
R954	061T0603202	RST CHIPR 2 KOHM +-5% 1/10W
R713	061T0603202	RST CHIPR 2 KOHM +-5% 1/10W
R600	061T0603203	CHIPR 20K OHM+-5% 1/10W
R602	061T0603203	CHIPR 20K OHM+-5% 1/10W
R603	061T0603203	CHIPR 20K OHM+-5% 1/10W
R604	061T0603203	CHIPR 20K OHM+-5% 1/10W
R482	061T0603220	CHIP 22OHM 1/16W
R481	061T0603220	CHIP 22OHM 1/16W
R485	061T0603220	CHIP 22OHM 1/16W
R933	061T0603222	CHIP 2.2K OHM 1/16W
R194	061T0603223	CHIP 22KOHM 1/16W
R195	061T0603223	CHIP 22KOHM 1/16W
R1F6	061T0603223	CHIP 22KOHM 1/16W
R1F5	061T0603223	CHIP 22KOHM 1/16W
R1F4	061T0603223	CHIP 22KOHM 1/16W
R1F3	061T0603223	CHIP 22KOHM 1/16W

R1F2	061T0603223	CHIP 22KOHM 1/16W
R1F1	061T0603223	CHIP 22KOHM 1/16W
R196	061T0603223	CHIP 22KOHM 1/16W
R193	061T0603223	CHIP 22KOHM 1/16W
R192	061T0603223	CHIP 22KOHM 1/16W
R191	061T0603223	CHIP 22KOHM 1/16W
R900	061T0603223	CHIP 22KOHM 1/16W
R185	061T0603223	CHIP 22KOHM 1/16W
R186	061T0603223	CHIP 22KOHM 1/16W
R187	061T0603223	CHIP 22KOHM 1/16W
R188	061T0603223	CHIP 22KOHM 1/16W
R190	061T0603223	CHIP 22KOHM 1/16W
R189	061T0603223	CHIP 22KOHM 1/16W
R613	061T0603233	RST CHIPR 23 KOHM +-5% 1/10W
R615	061T0603233	RST CHIPR 23 KOHM +-5% 1/10W
R1H1	061T0603272	CHIP 2.7KOHM 1/16W
R1H2	061T0603272	CHIP 2.7KOHM 1/16W
R1H3	061T0603272	CHIP 2.7KOHM 1/16W
R483	061T0603274	RST CHIPR 270 KOHM +-5% 1/10W
R476	061T0603274	RST CHIPR 270 KOHM +-5% 1/10W
R946	061T0603302	CHIP 3K OHM 5% 1/16
R416	061T0603330	CHIP 33OHM 1/16W
R507	061T0603330	CHIP 33OHM 1/16W
R506	061T0603330	CHIP 33OHM 1/16W
R505	061T0603330	CHIP 33OHM 1/16W
R504	061T0603330	CHIP 33OHM 1/16W
R503	061T0603330	CHIP 33OHM 1/16W
R960	061T0603331	RST CHIPR 330 OHM +-5% 1/10W
R922	061T0603331	RST CHIPR 330 OHM +-5% 1/10W
R921	061T0603331	RST CHIPR 330 OHM +-5% 1/10W
R918	061T0603331	RST CHIPR 330 OHM +-5% 1/10W
R4G1	061T0603331	RST CHIPR 330 OHM +-5% 1/10W
R925	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R924	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R908	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R502	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R1J8	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R1J6	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R1J4	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R496	061T0603348 0F	RST CHIPR 348 OHM +-1% 1/10W
R454	061T0603390 0F	RST CHIPR 390 OHM +-1% 1/10W
R4J4	061T0603392	CHIP 3.9KOHM 1/16W
R715	061T0603392	CHIP 3.9KOHM 1/16W
R104	061T0603393	RST CHIPR 39 KOHM +-5% 1/10W
R108	061T0603393	RST CHIPR 39 KOHM +-5% 1/10W
R712	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R711	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R710	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R707	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R706	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R705	061T0603470	RST CHIPR 47 OHM +-5% 1/10W

R704	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R703	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R406	061T0603470 1F	CHIP 4.7K OHM 1/16W 1%
R143	061T0603472	CHIP 4.7KOHM 1/16W
R142	061T0603472	CHIP 4.7KOHM 1/16W
R141	061T0603472	CHIP 4.7KOHM 1/16W
R140	061T0603472	CHIP 4.7KOHM 1/16W
R139	061T0603472	CHIP 4.7KOHM 1/16W
R138	061T0603472	CHIP 4.7KOHM 1/16W
R119	061T0603472	CHIP 4.7KOHM 1/16W
R105	061T0603472	CHIP 4.7KOHM 1/16W
R101	061T0603472	CHIP 4.7KOHM 1/16W
R1J5	061T0603472	CHIP 4.7KOHM 1/16W
R4G6	061T0603472	CHIP 4.7KOHM 1/16W
R4G5	061T0603472	CHIP 4.7KOHM 1/16W
R4G4	061T0603472	CHIP 4.7KOHM 1/16W
R4G3	061T0603472	CHIP 4.7KOHM 1/16W
R4B3	061T0603472	CHIP 4.7KOHM 1/16W
R468	061T0603472	CHIP 4.7KOHM 1/16W
R458	061T0603472	CHIP 4.7KOHM 1/16W
R440	061T0603472	CHIP 4.7KOHM 1/16W
R438	061T0603472	CHIP 4.7KOHM 1/16W
R436	061T0603472	CHIP 4.7KOHM 1/16W
R434	061T0603472	CHIP 4.7KOHM 1/16W
R433	061T0603472	CHIP 4.7KOHM 1/16W
R432	061T0603472	CHIP 4.7KOHM 1/16W
R430	061T0603472	CHIP 4.7KOHM 1/16W
R429	061T0603472	CHIP 4.7KOHM 1/16W
R428	061T0603472	CHIP 4.7KOHM 1/16W
R405	061T0603472	CHIP 4.7KOHM 1/16W
R404	061T0603472	CHIP 4.7KOHM 1/16W
R403	061T0603472	CHIP 4.7KOHM 1/16W
R401	061T0603472	CHIP 4.7KOHM 1/16W
R1J9	061T0603472	CHIP 4.7KOHM 1/16W
R1J7	061T0603472	CHIP 4.7KOHM 1/16W
R1B0	061T0603473	CHIP 47KOHM 1/16W
R1A9	061T0603473	CHIP 47KOHM 1/16W
R1A8	061T0603473	CHIP 47KOHM 1/16W
R1A7	061T0603473	CHIP 47KOHM 1/16W
R1A6	061T0603473	CHIP 47KOHM 1/16W
R1A5	061T0603473	CHIP 47KOHM 1/16W
R1A4	061T0603473	CHIP 47KOHM 1/16W
R1A3	061T0603473	CHIP 47KOHM 1/16W
R1A2	061T0603473	CHIP 47KOHM 1/16W
R1A1	061T0603473	CHIP 47KOHM 1/16W
R1A0	061T0603473	CHIP 47KOHM 1/16W
R199	061T0603473	CHIP 47KOHM 1/16W
R955	061T0603473	CHIP 47KOHM 1/16W
R950	061T0603473	CHIP 47KOHM 1/16W
R708	061T0603473	CHIP 47KOHM 1/16W
R4M7	061T0603473	CHIP 47KOHM 1/16W

R1B8	061T0603473	CHIP 47KOHM 1/16W
R1B7	061T0603473	CHIP 47KOHM 1/16W
R1B6	061T0603473	CHIP 47KOHM 1/16W
R1B5	061T0603473	CHIP 47KOHM 1/16W
R1B4	061T0603473	CHIP 47KOHM 1/16W
R1B3	061T0603473	CHIP 47KOHM 1/16W
R1B2	061T0603473	CHIP 47KOHM 1/16W
R1B1	061T0603473	CHIP 47KOHM 1/16W
R465	061T0603499 9F	RST CHIPR 49.9 OHM +-1% 1/10W
R469	061T0603499 9F	RST CHIPR 49.9 OHM +-1% 1/10W
R934	061T0603510	RST CHIPR 51 OHM +-5% 1/10W
R4B4	061T0603510 1F	RST CHIPR 5.1 KOHM +-1% 1/10W
R945	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R605	061T0603513	RST CHIPR 51 KOHM +-5% 1/10W
R606	061T0603513	RST CHIPR 51 KOHM +-5% 1/10W
R607	061T0603513	RST CHIPR 51 KOHM +-5% 1/10W
R608	061T0603513	RST CHIPR 51 KOHM +-5% 1/10W
R4K6	061T0603561	RST CHIPR 560 OHM +-5% 1/10W
R4K5	061T0603561	RST CHIPR 560 OHM +-5% 1/10W
R413	061T0603592	RST CHIPR 5.9 KOHM +-5% 1/10W
R723	061T0603680	RST CHIPR 68 OHM +-5% 1/10W
R720	061T0603680	RST CHIPR 68 OHM +-5% 1/10W
R1D0	061T0603680	RST CHIPR 68 OHM +-5% 1/10W
R1B9	061T0603680	RST CHIPR 68 OHM +-5% 1/10W
R718	061T0603681	RST CHIPR 680 OHM +-5% 1/10W
R4J5	061T0603682	RST CHIPR 6.8KOHM +-5% 1/10W
R1E5	061T0603750	75OHM
R1E4	061T0603750	75OHM
R1E3	061T0603750	75OHM
R1E2	061T0603750	75OHM
R1E1	061T0603750	75OHM
R1E0	061T0603750	75OHM
R1D7	061T0603750 9F	CHIP 75OHM 1/16W 1%
R1D6	061T0603750 9F	CHIP 75OHM 1/16W 1%
R1D5	061T0603750 9F	CHIP 75OHM 1/16W 1%
R1D4	061T0603750 9F	CHIP 75OHM 1/16W 1%
R1D3	061T0603750 9F	CHIP 75OHM 1/16W 1%
R1D2	061T0603750 9F	CHIP 75OHM 1/16W 1%
R1D1	061T0603750 9F	CHIP 75OHM 1/16W 1%
R126	061T0603750 9F	CHIP 75OHM 1/16W 1%
R125	061T0603750 9F	CHIP 75OHM 1/16W 1%
R124	061T0603750 9F	CHIP 75OHM 1/16W 1%
R1D8	061T0603750 9F	CHIP 75OHM 1/16W 1%
R1D9	061T0603750 9F	CHIP 75OHM 1/16W 1%
R490	061T0603750 9F	CHIP 75OHM 1/16W 1%
R492	061T0603750 9F	CHIP 75OHM 1/16W 1%
R494	061T0603750 9F	CHIP 75OHM 1/16W 1%
R4K9	061T0603750 9F	CHIP 75OHM 1/16W 1%
R4A2	061T0603820 0F	RST CHIPR 820 OHM +-1% 1/10W
R601	061T0603823	RST CHIPR 82 KOHM +-5% 1/10W
R510	061T0805750	RST CHIPR 75 OHM +-5% 1/8W

R509	061T0805750	RST CHIPR 75 OHM +-5% 1/8W
R508	061T0805750	RST CHIPR 75 OHM +-5% 1/8W
R4N5	061T0805750	RST CHIPR 75 OHM +-5% 1/8W
R4N4	061T0805750	RST CHIPR 75 OHM +-5% 1/8W
R4N3	061T0805750	RST CHIPR 75 OHM +-5% 1/8W
R4N2	061T0805750	RST CHIPR 75 OHM +-5% 1/8W
C4K4	065T0603100 31	CHIP 10PF 50V NPO
C4K5	065T0603100 31	CHIP 10PF 50V NPO
C948	065T0603101 32	CHIP 100PF 50V X7R
C947	065T0603101 32	CHIP 100PF 50V X7R
C945	065T0603101 32	CHIP 100PF 50V X7R
C762	065T0603101 32	CHIP 100PF 50V X7R
C758	065T0603101 32	CHIP 100PF 50V X7R
C965	065T0603102 32	CHIP 1000PF 50V X7R
C964	065T0603102 32	CHIP 1000PF 50V X7R
C963	065T0603102 32	CHIP 1000PF 50V X7R
C753	065T0603102 32	CHIP 1000PF 50V X7R
C750	065T0603102 32	CHIP 1000PF 50V X7R
C749	065T0603102 32	CHIP 1000PF 50V X7R
C736	065T0603102 32	CHIP 1000PF 50V X7R
C735	065T0603102 32	CHIP 1000PF 50V X7R
C716	065T0603102 32	CHIP 1000PF 50V X7R
C708	065T0603102 32	CHIP 1000PF 50V X7R
C500	065T0603102 32	CHIP 1000PF 50V X7R
C4K6	065T0603102 32	CHIP 1000PF 50V X7R
C4B3	065T0603102 32	CHIP 1000PF 50V X7R
C704	065T0603103 32	CHIP 0.01UF 50V X7R
C701	065T0603103 32	CHIP 0.01UF 50V X7R
C4B2	065T0603103 32	CHIP 0.01UF 50V X7R
C4B1	065T0603103 32	CHIP 0.01UF 50V X7R
C4B0	065T0603103 32	CHIP 0.01UF 50V X7R
C4A8	065T0603103 32	CHIP 0.01UF 50V X7R
C4A7	065T0603103 32	CHIP 0.01UF 50V X7R
C4A1	065T0603103 32	CHIP 0.01UF 50V X7R
C4A0	065T0603103 32	CHIP 0.01UF 50V X7R
C494	065T0603103 32	CHIP 0.01UF 50V X7R
C442	065T0603103 32	CHIP 0.01UF 50V X7R
C441	065T0603103 32	CHIP 0.01UF 50V X7R
C757	065T0603103 32	CHIP 0.01UF 50V X7R
C759	065T0603103 32	CHIP 0.01UF 50V X7R
C760	065T0603103 32	CHIP 0.01UF 50V X7R
C761	065T0603103 32	CHIP 0.01UF 50V X7R
C742	065T0603103 32	CHIP 0.01UF 50V X7R
C739	065T0603103 32	CHIP 0.01UF 50V X7R
C721	065T0603103 32	CHIP 0.01UF 50V X7R
C720	065T0603103 32	CHIP 0.01UF 50V X7R
C719	065T0603103 32	CHIP 0.01UF 50V X7R
C718	065T0603103 32	CHIP 0.01UF 50V X7R
C710	065T0603103 32	CHIP 0.01UF 50V X7R
C709	065T0603103 32	CHIP 0.01UF 50V X7R
C4J0	065T0603104 32	CHIP 0.1UF 50V X7R

C4H9	065T0603104 32	CHIP 0.1UF 50V X7R
C4H8	065T0603104 32	CHIP 0.1UF 50V X7R
C4H7	065T0603104 32	CHIP 0.1UF 50V X7R
C4H6	065T0603104 32	CHIP 0.1UF 50V X7R
C4H5	065T0603104 32	CHIP 0.1UF 50V X7R
C4H4	065T0603104 32	CHIP 0.1UF 50V X7R
C4H3	065T0603104 32	CHIP 0.1UF 50V X7R
C4H2	065T0603104 32	CHIP 0.1UF 50V X7R
C4H1	065T0603104 32	CHIP 0.1UF 50V X7R
C4F5	065T0603104 32	CHIP 0.1UF 50V X7R
C4F2	065T0603104 32	CHIP 0.1UF 50V X7R
C4J1	065T0603104 32	CHIP 0.1UF 50V X7R
C513	065T0603104 32	CHIP 0.1UF 50V X7R
C512	065T0603104 32	CHIP 0.1UF 50V X7R
C511	065T0603104 32	CHIP 0.1UF 50V X7R
C510	065T0603104 32	CHIP 0.1UF 50V X7R
C509	065T0603104 32	CHIP 0.1UF 50V X7R
C508	065T0603104 32	CHIP 0.1UF 50V X7R
C507	065T0603104 32	CHIP 0.1UF 50V X7R
C506	065T0603104 32	CHIP 0.1UF 50V X7R
C4K3	065T0603104 32	CHIP 0.1UF 50V X7R
C4J7	065T0603104 32	CHIP 0.1UF 50V X7R
C4J4	065T0603104 32	CHIP 0.1UF 50V X7R
C4J2	065T0603104 32	CHIP 0.1UF 50V X7R
C4F0	065T0603104 32	CHIP 0.1UF 50V X7R
C4D6	065T0603104 32	CHIP 0.1UF 50V X7R
C4B9	065T0603104 32	CHIP 0.1UF 50V X7R
C4A9	065T0603104 32	CHIP 0.1UF 50V X7R
C4A6	065T0603104 32	CHIP 0.1UF 50V X7R
C4A5	065T0603104 32	CHIP 0.1UF 50V X7R
C4A3	065T0603104 32	CHIP 0.1UF 50V X7R
C499	065T0603104 32	CHIP 0.1UF 50V X7R
C481	065T0603104 32	CHIP 0.1UF 50V X7R
C480	065T0603104 32	CHIP 0.1UF 50V X7R
C479	065T0603104 32	CHIP 0.1UF 50V X7R
C478	065T0603104 32	CHIP 0.1UF 50V X7R
C471	065T0603104 32	CHIP 0.1UF 50V X7R
C4D7	065T0603104 32	CHIP 0.1UF 50V X7R
C4E9	065T0603104 32	CHIP 0.1UF 50V X7R
C4E8	065T0603104 32	CHIP 0.1UF 50V X7R
C4E7	065T0603104 32	CHIP 0.1UF 50V X7R
C4E6	065T0603104 32	CHIP 0.1UF 50V X7R
C4E5	065T0603104 32	CHIP 0.1UF 50V X7R
C4E4	065T0603104 32	CHIP 0.1UF 50V X7R
C4E3	065T0603104 32	CHIP 0.1UF 50V X7R
C4E2	065T0603104 32	CHIP 0.1UF 50V X7R
C4E1	065T0603104 32	CHIP 0.1UF 50V X7R
C4E0	065T0603104 32	CHIP 0.1UF 50V X7R
C4D9	065T0603104 32	CHIP 0.1UF 50V X7R
C4D8	065T0603104 32	CHIP 0.1UF 50V X7R
C514	065T0603104 32	CHIP 0.1UF 50V X7R

C917	065T0603104 32	CHIP 0.1UF 50V X7R
C916	065T0603104 32	CHIP 0.1UF 50V X7R
C915	065T0603104 32	CHIP 0.1UF 50V X7R
C906	065T0603104 32	CHIP 0.1UF 50V X7R
C904	065T0603104 32	CHIP 0.1UF 50V X7R
C901	065T0603104 32	CHIP 0.1UF 50V X7R
C756	065T0603104 32	CHIP 0.1UF 50V X7R
C755	065T0603104 32	CHIP 0.1UF 50V X7R
C754	065T0603104 32	CHIP 0.1UF 50V X7R
C752	065T0603104 32	CHIP 0.1UF 50V X7R
C751	065T0603104 32	CHIP 0.1UF 50V X7R
C737	065T0603104 32	CHIP 0.1UF 50V X7R
C918	065T0603104 32	CHIP 0.1UF 50V X7R
C959	065T0603104 32	CHIP 0.1UF 50V X7R
C958	065T0603104 32	CHIP 0.1UF 50V X7R
C957	065T0603104 32	CHIP 0.1UF 50V X7R
C953	065T0603104 32	CHIP 0.1UF 50V X7R
C950	065T0603104 32	CHIP 0.1UF 50V X7R
C949	065T0603104 32	CHIP 0.1UF 50V X7R
C942	065T0603104 32	CHIP 0.1UF 50V X7R
C923	065T0603104 32	CHIP 0.1UF 50V X7R
C922	065T0603104 32	CHIP 0.1UF 50V X7R
C921	065T0603104 32	CHIP 0.1UF 50V X7R
C920	065T0603104 32	CHIP 0.1UF 50V X7R
C919	065T0603104 32	CHIP 0.1UF 50V X7R
C734	065T0603104 32	CHIP 0.1UF 50V X7R
C526	065T0603104 32	CHIP 0.1UF 50V X7R
C525	065T0603104 32	CHIP 0.1UF 50V X7R
C524	065T0603104 32	CHIP 0.1UF 50V X7R
C523	065T0603104 32	CHIP 0.1UF 50V X7R
C522	065T0603104 32	CHIP 0.1UF 50V X7R
C521	065T0603104 32	CHIP 0.1UF 50V X7R
C520	065T0603104 32	CHIP 0.1UF 50V X7R
C519	065T0603104 32	CHIP 0.1UF 50V X7R
C518	065T0603104 32	CHIP 0.1UF 50V X7R
C517	065T0603104 32	CHIP 0.1UF 50V X7R
C516	065T0603104 32	CHIP 0.1UF 50V X7R
C515	065T0603104 32	CHIP 0.1UF 50V X7R
C527	065T0603104 32	CHIP 0.1UF 50V X7R
C717	065T0603104 32	CHIP 0.1UF 50V X7R
C715	065T0603104 32	CHIP 0.1UF 50V X7R
C711	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
C695	065T0603104 32	CHIP 0.1UF 50V X7R
C694	065T0603104 32	CHIP 0.1UF 50V X7R
C600	065T0603104 32	CHIP 0.1UF 50V X7R
C536	065T0603104 32	CHIP 0.1UF 50V X7R
C531	065T0603104 32	CHIP 0.1UF 50V X7R
C528	065T0603104 32	CHIP 0.1UF 50V X7R

C402	065T0603104 32	CHIP 0.1UF 50V X7R
C403	065T0603104 32	CHIP 0.1UF 50V X7R
C406	065T0603104 32	CHIP 0.1UF 50V X7R
C407	065T0603104 32	CHIP 0.1UF 50V X7R
C408	065T0603104 32	CHIP 0.1UF 50V X7R
C409	065T0603104 32	CHIP 0.1UF 50V X7R
C410	065T0603104 32	CHIP 0.1UF 50V X7R
C411	065T0603104 32	CHIP 0.1UF 50V X7R
C412	065T0603104 32	CHIP 0.1UF 50V X7R
C413	065T0603104 32	CHIP 0.1UF 50V X7R
C417	065T0603104 32	CHIP 0.1UF 50V X7R
C418	065T0603104 32	CHIP 0.1UF 50V X7R
C419	065T0603104 32	CHIP 0.1UF 50V X7R
C401	065T0603104 32	CHIP 0.1UF 50V X7R
C106	065T0603104 32	CHIP 0.1UF 50V X7R
C108	065T0603104 32	CHIP 0.1UF 50V X7R
C112	065T0603104 32	CHIP 0.1UF 50V X7R
C113	065T0603104 32	CHIP 0.1UF 50V X7R
C114	065T0603104 32	CHIP 0.1UF 50V X7R
C115	065T0603104 32	CHIP 0.1UF 50V X7R
C160	065T0603104 32	CHIP 0.1UF 50V X7R
C170	065T0603104 32	CHIP 0.1UF 50V X7R
C173	065T0603104 32	CHIP 0.1UF 50V X7R
C174	065T0603104 32	CHIP 0.1UF 50V X7R
C175	065T0603104 32	CHIP 0.1UF 50V X7R
C176	065T0603104 32	CHIP 0.1UF 50V X7R
C1E3	065T0603104 32	CHIP 0.1UF 50V X7R
C438	065T0603104 32	CHIP 0.1UF 50V X7R
C439	065T0603104 32	CHIP 0.1UF 50V X7R
C443	065T0603104 32	CHIP 0.1UF 50V X7R
C445	065T0603104 32	CHIP 0.1UF 50V X7R
C446	065T0603104 32	CHIP 0.1UF 50V X7R
C452	065T0603104 32	CHIP 0.1UF 50V X7R
C453	065T0603104 32	CHIP 0.1UF 50V X7R
C454	065T0603104 32	CHIP 0.1UF 50V X7R
C456	065T0603104 32	CHIP 0.1UF 50V X7R
C459	065T0603104 32	CHIP 0.1UF 50V X7R
C467	065T0603104 32	CHIP 0.1UF 50V X7R
C468	065T0603104 32	CHIP 0.1UF 50V X7R
C470	065T0603104 32	CHIP 0.1UF 50V X7R
C437	065T0603104 32	CHIP 0.1UF 50V X7R
C420	065T0603104 32	CHIP 0.1UF 50V X7R
C421	065T0603104 32	CHIP 0.1UF 50V X7R
C422	065T0603104 32	CHIP 0.1UF 50V X7R
C425	065T0603104 32	CHIP 0.1UF 50V X7R
C426	065T0603104 32	CHIP 0.1UF 50V X7R
C427	065T0603104 32	CHIP 0.1UF 50V X7R
C428	065T0603104 32	CHIP 0.1UF 50V X7R
C429	065T0603104 32	CHIP 0.1UF 50V X7R
C430	065T0603104 32	CHIP 0.1UF 50V X7R
C433	065T0603104 32	CHIP 0.1UF 50V X7R

C434	065T0603104 32	CHIP 0.1UF 50V X7R
C435	065T0603104 32	CHIP 0.1UF 50V X7R
C436	065T0603104 32	CHIP 0.1UF 50V X7R
C105	065T0603121 31	CHIP 120PF 50V NPO
C103	065T0603121 31	CHIP 120PF 50V NPO
C747	065T0603152 32	CHIP 1500PF 50V X7R
C745	065T0603152 32	CHIP 1500PF 50V X7R
C725	065T0603152 32	CHIP 1500PF 50V X7R
C4K0	065T0603152 32	CHIP 1500PF 50V X7R
C4K1	065T0603152 32	CHIP 1500PF 50V X7R
C912	065T0603180 31	CHIP 18PF 50V NPO
C913	065T0603180 31	CHIP 18PF 50V NPO
C730	065T0603220 31	CHIP 22PF 50V NPO
C723	065T0603220 31	CHIP 22PF 50V NPO
C722	065T0603220 31	CHIP 22PF 50V NPO
C713	065T0603220 31	CHIP 22PF 50V NPO
C712	065T0603220 31	CHIP 22PF 50V NPO
C4F4	065T0603220 31	CHIP 22PF 50V NPO
C4F3	065T0603220 31	CHIP 22PF 50V NPO
C961	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C900	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C4F6	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C460	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C697	065T0603331 31	CHIP 330PF 50V NPO
C1E4	065T0603331 32	CHIP 330PF 50V X7R
C501	065T0603392 32	CHIP 3900PF 50V X7R
C502	065T0603393 32	CHIP 0.039UF 50V X7R
C458	065T0603470 32	CHIP 47PF 50V X7R
C462	065T0603470 32	CHIP 47PF 50V X7R
C703	065T0603470 32	CHIP 47PF 50V X7R
C727	065T0603470 32	CHIP 47PF 50V X7R
C728	065T0603470 32	CHIP 47PF 50V X7R
C1E5	065T0603470 32	CHIP 47PF 50V X7R
C503	065T0603473 32	CHIP 0.047UF 50V X7R
C504	065T0603473 32	CHIP 0.047UF 50V X7R
C505	065T0603473 32	CHIP 0.047UF 50V X7R
C702	065T0603560 31	CHIP 56PF 50V NPO
C726	065T0603561 31	CHIP 560PF 50V NPO
C746	065T0603561 31	CHIP 560PF 50V NPO
C748	065T0603561 31	CHIP 560PF 50V NPO
C729	065T0603820 31	0603 82PF +-5%, 50V NPO
C741	065T0805105 37	CHIP 1UF 50V Y5V
C740	065T0805105 37	CHIP 1UF 50V Y5V
C738	065T0805105 37	CHIP 1UF 50V Y5V
C603	065T0805105 37	CHIP 1UF 50V Y5V
C4J6	065T0805105 37	CHIP 1UF 50V Y5V
C4A4	065T0805105 37	CHIP 1UF 50V Y5V
C4A2	065T0805105 37	CHIP 1UF 50V Y5V
C498	065T0805105 37	CHIP 1UF 50V Y5V
C497	065T0805105 37	CHIP 1UF 50V Y5V
C496	065T0805105 37	CHIP 1UF 50V Y5V

C495	065T0805105 37	CHIP 1UF 50V Y5V
C109	065T0805105 37	CHIP 1UF 50V Y5V
C107	065T0805105 37	CHIP 1UF 50V Y5V
C104	065T0805105 37	CHIP 1UF 50V Y5V
C102	065T0805105 37	CHIP 1UF 50V Y5V
C604	065T0805475 15	CHIP 4.7UF 16V X5R
C602	065T0805475 15	CHIP 4.7UF 16V X5R
C4K2	067T 4124703XT	EC 85℃ SMD CAP 47UF M 16V
C943	067T311F101 4T	EC 105℃ 100UF M 25V
C1A8	067T311F470 1T	EC 105℃ 47UF M 6.3V
C1A9	067T311F470 1T	EC 105℃ 47UF M 6.3V
C1B0	067T311F470 1T	EC 105℃ 47UF M 6.3V
C1A7	067T311F470 1T	EC 105℃ 47UF M 6.3V
C1A6	067T311F470 1T	EC 105℃ 47UF M 6.3V
C1A5	067T311F470 1T	EC 105℃ 47UF M 6.3V
C125	067T311F470 1T	EC 105℃ 47UF M 6.3V
C127	067T311F470 1T	EC 105℃ 47UF M 6.3V
C129	067T311F470 1T	EC 105℃ 47UF M 6.3V
C180	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C181	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C431	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C432	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C469	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C4J3	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C4J8	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C4J9	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C607	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C608	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C612	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C613	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C696	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C724	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C743	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C744	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C924	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C925	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C941	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C424	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C182	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C183	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C184	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C185	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C186	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C187	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C188	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C189	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C190	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C191	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C192	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C404	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C405	067T411F1003XT	EC 105℃ CHIP 10UF M 16V

C414	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C415	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C416	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C423	067T411F1003XT	EC 105℃ CHIP 10UF M 16V
C177	067T411F1013XT	EC 105℃ SMD CAP 100UF M 16V
C178	067T411F1013XT	EC 105℃ SMD CAP 100UF M 16V
C179	067T411F1013XT	EC 105℃ SMD CAP 100UF M 16V
C937	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C936	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C935	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C934	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C933	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C914	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C909	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C905	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C609	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C601	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C1A0	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C1A2	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C1A4	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C477	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C529	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C530	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C532	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C534	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
C535	067T411F4703XT	EC 105℃ SMD CAP 47UF M 16V
FB913	071T 56B221	CHIP BEAD 220 OHM
FB912	071T 56B221	CHIP BEAD 220 OHM
FB911	071T 56B221	CHIP BEAD 220 OHM
FB917	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB916	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB915	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB606	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB605	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB604	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB602	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB601	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB411	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB410	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB607	071T 56U601	BEAD 600 OHM
FB106	071T 56U601	BEAD 600 OHM
FB100	071T 56U601	BEAD 600 OHM
FB412	071T 57G301 EA	CHIP BEAD
FB914	071T 57G301 EA	CHIP BEAD
FB502	071T 57G601	BEAD 1206 600 OHM
FB501	071T 57G601	BEAD 1206 600 OHM
FB500	071T 57G601	BEAD 1206 600 OHM
FB402	071T 57G601	BEAD 1206 600 OHM
FB401	071T 57G601	BEAD 1206 600 OHM
FB400	071T 57G601	BEAD 1206 600 OHM
FB129	071T 57G601	BEAD 1206 600 OHM

FB128	071T 57G601	BEAD 1206 600 OHM
FB127	071T 57G601	BEAD 1206 600 OHM
FB126	071T 57G601	BEAD 1206 600 OHM
FB125	071T 57G601	BEAD 1206 600 OHM
FB909	071T 57G601	BEAD 1206 600 OHM
FB904	071T 57G601	BEAD 1206 600 OHM
FB902	071T 57G601	BEAD 1206 600 OHM
FB901	071T 57G601	BEAD 1206 600 OHM
FB900	071T 57G601	BEAD 1206 600 OHM
FB714	071T 57G601	BEAD 1206 600 OHM
FB713	071T 57G601	BEAD 1206 600 OHM
FB712	071T 57G601	BEAD 1206 600 OHM
FB706	071T 57G601	BEAD 1206 600 OHM
FB705	071T 57G601	BEAD 1206 600 OHM
FB704	071T 57G601	BEAD 1206 600 OHM
FB703	071T 57G601	BEAD 1206 600 OHM
FB702	071T 57G601	BEAD 1206 600 OHM
FB701	071T 57G601	BEAD 1206 600 OHM
FB603	071T 57G601	BEAD 1206 600 OHM
FB600	071T 57G601	BEAD 1206 600 OHM
FB503	071T 57G601	BEAD 1206 600 OHM
FB409	071T 58B151 K	CHIP BEAD 150 OHMFBMA-11-32251
FB408	071T 58B151 K	CHIP BEAD 150 OHMFBMA-11-32251
FB407	071T 58B151 K	CHIP BEAD 150 OHMFBMA-11-32251
FB406	071T 58B151 K	CHIP BEAD 150 OHMFBMA-11-32251
FB405	071T 58B151 K	CHIP BEAD 150 OHMFBMA-11-32251
FB404	071T 58B151 K	CHIP BEAD 150 OHMFBMA-11-32251
FB403	071T 58B151 K	CHIP BEAD 150 OHMFBMA-11-32251
FB115	071T 59B121	BEAD 0603 120 OHM
FB116	071T 59B121	BEAD 0603 120 OHM
FB117	071T 59B121	BEAD 0603 120 OHM
FB118	071T 59B121	BEAD 0603 120 OHM
FB119	071T 59B121	BEAD 0603 120 OHM
FB120	071T 59B121	BEAD 0603 120 OHM
FB121	071T 59B121	BEAD 0603 120 OHM
FB122	071T 59B121	BEAD 0603 120 OHM
FB123	071T 59B121	BEAD 0603 120 OHM
FB124	071T 59B121	BEAD 0603 120 OHM
FB130	071T 59B121	BEAD 0603 120 OHM
FB131	071T 59B121	BEAD 0603 120 OHM
FB114	071T 59B121	BEAD 0603 120 OHM
FB101	071T 59B121	BEAD 0603 120 OHM
FB102	071T 59B121	BEAD 0603 120 OHM
FB103	071T 59B121	BEAD 0603 120 OHM
FB104	071T 59B121	BEAD 0603 120 OHM
FB105	071T 59B121	BEAD 0603 120 OHM
FB107	071T 59B121	BEAD 0603 120 OHM
FB108	071T 59B121	BEAD 0603 120 OHM
FB109	071T 59B121	BEAD 0603 120 OHM
FB110	071T 59B121	BEAD 0603 120 OHM
FB111	071T 59B121	BEAD 0603 120 OHM

FB112	071T 59B121	BEAD 0603 120 OHM
FB113	071T 59B121	BEAD 0603 120 OHM
L701	073T 57228	CHIP INDUCTOR 0805 0.22UH+-10% JKMT
L706	073T 6310910M	CHIP INDUCTOR 0603 1.0UH+-10% MICROGATE
L711	073T 8533810K	CHIP INDUCTOR 0805 0.33UH+-10% KINGCORE
L710	073T 8533810K	CHIP INDUCTOR 0805 0.33UH+-10% KINGCORE
L707	073T 12618910M	CHIP INDUCTOR 1206 1.8UH+-10% MICROGATE
L902	073T253S 3 B	IND SMD 33.0UH+-20% BULL WILL
L901	073T253S 3 B	IND SMD 33.0UH+-20% BULL WILL
L433	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900
L432	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900
L431	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900
L430	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900
CN413	088T 340 19 H	HDMI HEADER
ZD118	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD119	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD120	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD121	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD125	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD126	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD133	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD134	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD135	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD600	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD138	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD139	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD140	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD141	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD142	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD143	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD144	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD145	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD146	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD147	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD148	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD149	093T 39149	ZENER DIODE MLL5232B FULL POWER
ZD400	093T 60230	BAT54C BY MCC
ZD100	093T 60230	BAT54C BY MCC
ZD402	093T 64 37 N	V-PORT-0603-100K V05
ZD115	093T 64 37 N	V-PORT-0603-100K V05
ZD101	093T 64 37 N	V-PORT-0603-100K V05
ZD102	093T 64 37 N	V-PORT-0603-100K V05
ZD105	093T 64 37 N	V-PORT-0603-100K V05
ZD106	093T 64 37 N	V-PORT-0603-100K V05
ZD110	093T 64 37 N	V-PORT-0603-100K V05
ZD111	093T 64 37 N	V-PORT-0603-100K V05
ZD113	093T 64 37 N	V-PORT-0603-100K V05
ZD114	093T 64 37 N	V-PORT-0603-100K V05
ZD117	093T 64 37 N	V-PORT-0603-100K V05
ZD403	093T 64 37 N	V-PORT-0603-100K V05
ZD601	093T 64 37 N	V-PORT-0603-100K V05

ZD602	093T 64 37 N	V-PORT-0603-100K V05
ZD401	093T 64 37 N	V-PORT-0603-100K V05
ZD132	093T 6433P	BAV99
ZD131	093T 6433P	BAV99
ZD130	093T 6433P	BAV99
ZD128	093T 6433P	BAV99
ZD124	093T 6433P	BAV99
ZD123	093T 6433P	BAV99
ZD122	093T 6433P	BAV99
ZD109	093T 6433P	BAV99
ZD108	093T 6433P	BAV99
ZD103	093T 6433P	BAV99
ZD901	093T3004 1	SMAL340XXXRO 3A 40V SMA FULL P
ZD900	093T3004 1	SMAL340XXXRO 3A 40V SMA FULL P
	715T1961 F	MAIN BOARD PCB
	Q07T 7 T 51	COPOUND PALLET
	Q07T 7 T 55	COMPOUND PALLET
	Q15T0063 2	BKT HOLD PANEL
	Q15T0064 1	BKT HOLD PANEL
	Q15T8303 6	MAIN FRAME
	Q40T 320815 4A	RATING LABEL
	Q40T 581815 6A	IO LABEL
	Q44TJ003 1	EPS
	Q44TJ003 2	EPS
	Q44TJ003 3	EPS
	Q44TJ003 4	EPS
	Q44TJ003815 1A	CARTON
	Q85T 730 3	SHIELDING
	040T 58162435A	LABEL
	045T 76 28 RN	PE BAG FOR MANUAL
	Q41T3201815 4A	MANUAL
	Q41T780081554A	QSG
	Q41T780081565A	WARRANTY CARD
	Q15T8289 5	BKT PC DAO
	012T7007 1	RUBBER FOOT
	015T6184 1	KENSINGTON LOCK
	015T8345 1	SWIVEL BASE BKT
	015T8346 1	BKT BASE
	033T4828 ED C	REMOTE LENS
	033T4949 AI L	FUNCTION KEY
	033T4950 AI L	POWER KEY
	037T 568 1	HINGE
	044T3121510506	SPONGE
	044T3121510514	SPONGE
	0M1T 140 8225 CR3	SCREW
	0M1T1740 8120	SCREW
	0Q1T 140 8 47 CR3	SCREW
	0Q1T1030 6128 CR3	SCREW
	IRPFFB2P	IR BOARD T1985-1-X-X-1-070105
CN01	033T3802 6H	WAFER 6P RIGHTY ANGLE
U01	056T 627 14	NO APP KSM-2003LN2E BY KOD

SW27	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
D01	081T 13501 GH	LED GHZYG603D2-6A GUANGHONG
R04	061T0603101	CHIP 100OHM 1/16W
R01	061T0603101	CHIP 100OHM 1/16W
R03	061T0603102	CHIP 1K OHM 1/16W
R02	061T0603153	RST CHIPR 15 KOHM +-5% 1/10W
C23	065T0603104 32	CHIP 0.1UF 50V X7R
C05	065T0603104 32	CHIP 0.1UF 50V X7R
C04	065T0603104 32	CHIP 0.1UF 50V X7R
C03	065T0603104 32	CHIP 0.1UF 50V X7R
C01	065T0805475 15	CHIP 4.7UF 16V X5R
	715T1985 1	IR BOARD PCB
	KEPFFA8P	KEY BOARD
CN21	033T3802 7H	WAFER
SW26	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW25	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW24	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW23	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW22	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW21	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
J20	095T 90 23	JUMP WIRE
C25	065T0603104 32	CHIP 0.1UF 50V X7R
C24	065T0603104 32	CHIP 0.1UF 50V X7R
C22	065T0603104 32	CHIP 0.1UF 50V X7R
C21	065T0603104 32	CHIP 0.1UF 50V X7R
C20	065T0603104 32	CHIP 0.1UF 50V X7R
C26	065T0603104 32	CHIP 0.1UF 50V X7R
	715T1984 1	KEY BOARD PCB
	PTPF6AA4P	CONNECT BOARD
CN004	033T3802 14	CONN
CN011	088T 7813A19C	RCA JACK 1*3 R/W/Y
CN003	088T 100 11 ST	MINI DIN JACK 4P+ SWITCH 2MJ-0602-005
CN010	088T 30231T CJ	PHONE JACK
R114	061T0603000	CHIP 0OHM 1/16W
R113	061T0603000	CHIP 0OHM 1/16W
R112	061T0603000	CHIP 0OHM 1/16W
R111	061T0603000	CHIP 0OHM 1/16W
R001	061T0603473	CHIP 47KOHM 1/16W
R002	061T0603473	CHIP 47KOHM 1/16W
R003	061T0603473	CHIP 47KOHM 1/16W
R004	061T0603473	CHIP 47KOHM 1/16W
C103	065T0603101 31	CHIP 100PF 50V NPO
C102	065T0603101 31	CHIP 100PF 50V NPO
C101	065T0603101 31	CHIP 100PF 50V NPO
C104	065T0603101 31	CHIP 100PF 50V NPO
C105	065T0603101 31	CHIP 100PF 50V NPO
C106	065T0603101 31	CHIP 100PF 50V NPO
C107	065T0603101 31	CHIP 100PF 50V NPO
C109	065T0603102 32	CHIP 1000PF 50V X7R
C108	065T0603102 32	CHIP 1000PF 50V X7R
FB002	071T 56G301 EA	CHIP BEAD 300 OHM 0805

FB001	071T 56G301 EA	CHIP BEAD 300 OHM 0805
ZD001	093T 39149	ZENER DIODE MLL5232B FULL POWER
Z007	093T 64 37 N	V-PORT-0603-100K V05
Z006	093T 64 37 N	V-PORT-0603-100K V05
Z005	093T 64 37 N	V-PORT-0603-100K V05
Z004	093T 64 37 N	V-PORT-0603-100K V05
Z003	093T 64 37 N	V-PORT-0603-100K V05
Z002	093T 64 37 N	V-PORT-0603-100K V05
Z001	093T 64 37 N	V-PORT-0603-100K V05
	715T1986 1	SIDE BOARD PCB
	Q33T5023 26A1P	BEZEL TRIM
	Q34T1882 UKA1L	BEZEL
	Q34T1883 UK 1A	REAR COVER
	Q34T1884 UK 1L	STAND BASE
	Q34T1885 23A1P	SIDE COVER(R)
	Q34T1886 23A1P	SIDE COVER(L)
	Q36T 433 UK 1C	SPEAKER GRILL