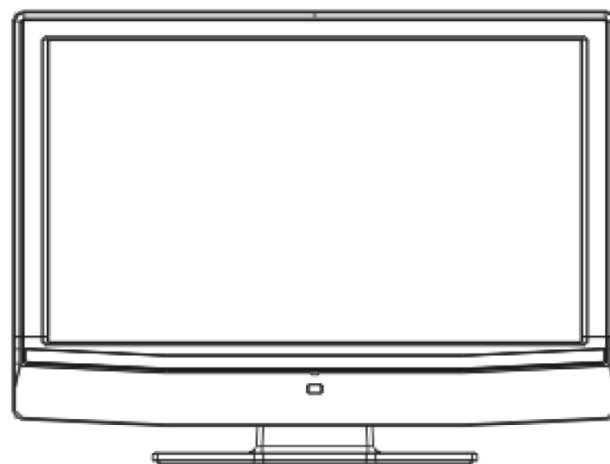


Service
Service
Service



Service Manual

Horizontal Frequency
31.5KHz-60KHz

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SAFETY NOTICE

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

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

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 might 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 radiations 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.)

Revision List

[illegible]

1. Monitor Specification

Características		Pantalla de 22W"	
Elementos		Especificación	
Pantalla LCD	Tamaño de Pantalla	Panel TFT-LCD 22W"	
	Tamaño de imagen visible	558mm visto en Diagonal.	
	Formato de Imagen	16:10	
	Resolución	1680 x 1050(WSXGA+)	
	Área de Display (apertura) H x V	473.76mm x 296.1mm	
	Separación de Píxeles	0.282mm x 0.282mm	
	Colores de Display	16.7 million	
	Tipo/Vida de Lámpara	40000 horas	
	Tono de Color	Normal/ Frío / Cálido	
Entradas de VGA	Definición de soporte de entrada	1680*1050 /60Hz	
	Entrada de Audio	Mini clavija para auriculares estéreo (3.5ø)	
Función de TV	Estándar TV	NTSC-M , PAL-M, PAL-N	
	Sistemas de Sonido	STEREO	
Entradas de Vídeo	AV	RCA x 1	Audio I/D x 1
	S-VÍDEO	S-Videox 1	
	Componente	YPbPr x 1	Audio I/D x 1
	HDMI		

Salida de Audio	Salida de Audio: I / D	Altavoces (incorporados): Dos altavoces de 2 vatios
		Miniclavija de Auriculares para estéreo (3.5ø)
Idiomas en Pantalla	English, Spanish, Portugués.	
Soporte de Mesa	Sí	
Montaje en Pared	VESA 100 x 100 mm	
Alimentación	Fuente de Alimentación	AC100V-240V, 50/60Hz
	Consumo	<75W
Inclinación de Panel	Hacia delante/atrás/rotación	-4° / +18° / ± 35°
Ambiente	Temperatura	+ 0 °C ~ + 40 °C
	Almacenamiento	- 25 °C ~ + 60 °C
	Operación	10% ~ 85%
Dimensiones	Ancho x Alto x Profundidad (con soporte)	539 x 447x 209 (mm)
Peso (neto)	Sin accesorios	6.2 Kg
Accesorio	Mando a distancia, Batería, Cable de alimentación, Cable de señal, Cable de audio, Manual de Usuario	

2. Operations Instructions

2.1 The Use of Remote Control

POWER [ENCENDIDO]

Pulse para encender/apagar el TV. El TV nunca está completamente apagado a menos que esté desenchufado.

0~9/100 Teclado numérico

Para seleccionar un canal de la TV. Puede introducir directamente un número para seleccionar cualquier canal.

CH

Pulse ▲ o ▼ para buscar por los canales de TV que no se hayan ignorado. Para ver un canal bloqueado, utilice el teclado digital para acceder al canal e introduzca su código de acceso.

VOL

Pulse ▲ o ▼ para ajustar el volumen.

PC

Pulse para pasar al modo PC

SLEEP

Pulse este botón para establecer un intervalo de tiempo después del cual la TV se apagará automáticamente. Pulse el botón varias veces para seleccionar 5, 10, 15, 30, 45, 60, 90, 120, 180, 240 minutos, o desactivado.

TAMAÑO

Cambiar entre Normal, Wide1, Wide2, Zoom o Cine.



No compatible

MUTE [SILENCIO]

Apaga el sonido o lo restablece.

DISPLAY

Pulse este botón para ver la información de la fuente en la esquina superior izquierda. En el modo TV se mostrará el número de canal.

MTS / SAP

Pulse este botón para activar el sonido de televisión multicanal, el sonido estéreo o mono.

PRE-CH

Pulse este botón para ver el canal seleccionado anteriormente.

TV/VIDEO

Seleccione su fuente de entrada: pulse varias veces el botón para seleccionar TV, AV, S-VIDEO, Componentes PC or HDMI.

SUBTÍTULO

Presiona para seleccionar el canal con subtítulo o para

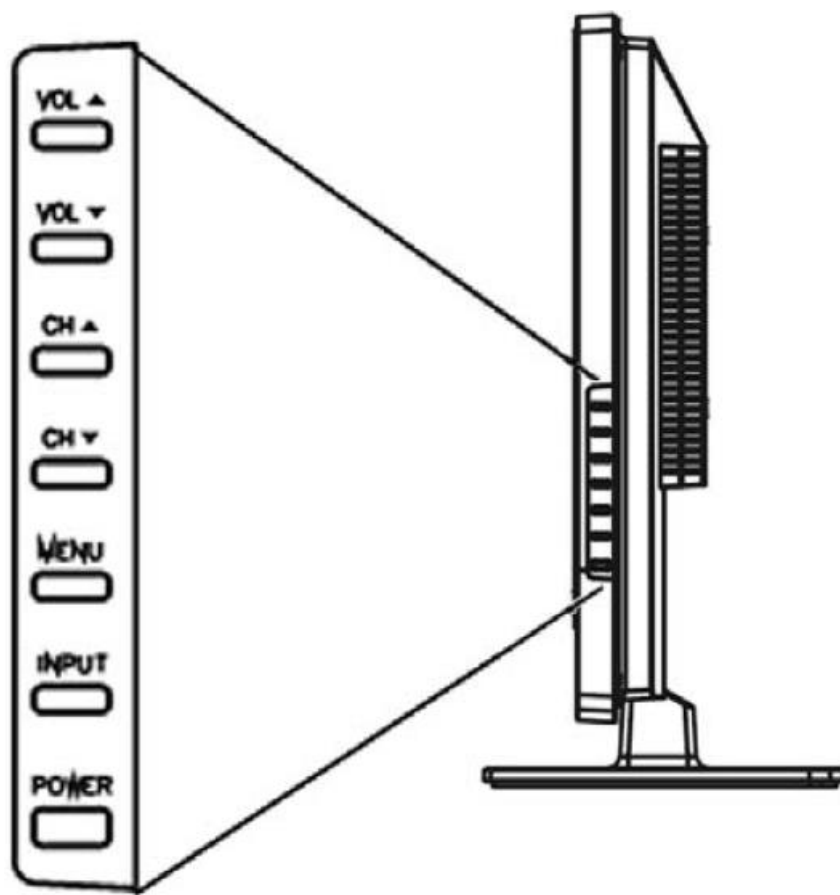
Arriba y abajo

Pulse estos botones para desplazarse hacia arriba o hacia abajo en los menús en pantalla. Si el menú en pantalla está cerrado, púselo para cambiar el número de programa.

Izquierda y derecha

Pulse izquierda y derecha para cambiar las opciones del submenú. Si el menú en pantalla está cerrado, pulse los botones para ajustar el volumen.

2.2 Front Panel Control Knobs



- VOL ▲ ▼:** Pulse este botón para confirmar la selección de la función (mientras se muestra el menú OSD), o ajustar el volumen (si no se muestra el menú OSD).
- CH ▲ ▼:** Seleccione la función que desee pulsando ambas teclas (si se muestra el menú OSD), o cambie de canal en el modo de TV (si no se muestra el menú OSD).
- MENU :** Pulse este botón para abrir el menú OSD o salir al modo de TV.
- INPUT:** Pulse este botón para seleccionar la fuente de entrada.
- POWER:** Pulse este botón para encender o apagar la TV.

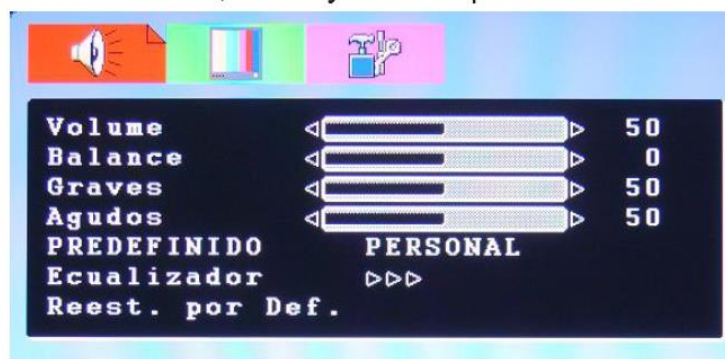
2.3 OSD Operations

1. Pulse el botón **MENÚ** para mostrar o cerrar el menú principal.
2. Use los botones arriba/abajo para seleccionar un elemento del menú.
3. Use los botones izquierda/derecha para entrar en un submenú o activar/desactivar la función.
4. Pulse el botón **MENU** para salir del menú.

MENÚ PRINCIPAL

Pulse el botón **MENU** para acceder al OSD principal (menú en pantalla). Ajuste los elementos que desee, como el Audio, Vídeo, V-Chip, (No compatible) Funciones y TV.

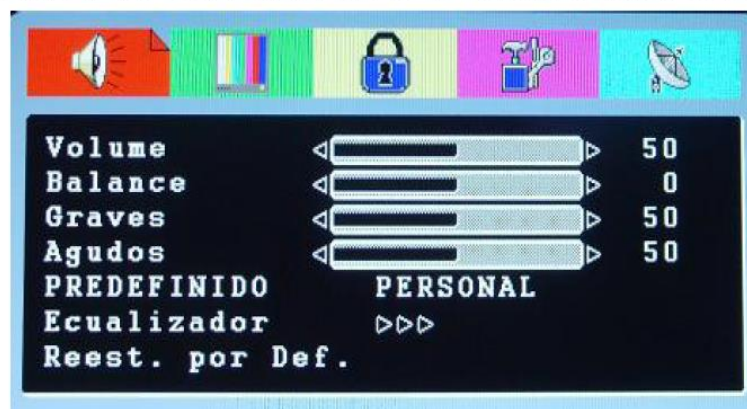
Cuando la fuente de la entrada es VGA, HDMI, AV, S-Video o de componente, sólo la configuración de audio, video y función pueden ser seleccionadas;



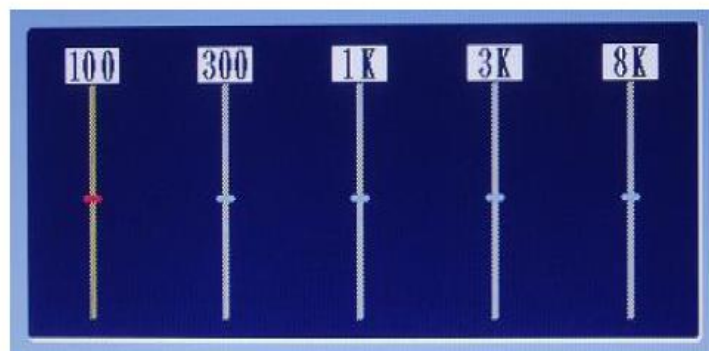
Cuando la fuente de la entrada es TV, el menú de audio, video, y función pueden ser seleccionadas.



Menú de audio (igual que en VGA, TV, AV S-Video, HDMI y componente)



1. El rango de **Volumen**, **Bajos** y agudos es 0~100.
2. El rango de **Balance** es -50~+50. Ajustado de 0 a -50, el sonido de la pista derecha se desvanece hasta desaparecer. Ajustado de 0 a +50, el sonido de la pista izquierda se desvanece hasta desaparecer.
3. **Predefinido**: Seleccione el modo predefinido de sonido según sus preferencias. Puede seleccionar Personal, Música o Cine.
4. **Ecualizador**: Puede seleccionar y ajustar 100, 300, 1K, 3K y 8K respectivamente (las cifras representan la gama de frecuencias de sonido).



5. **Reiniciar a valores predeterminados**: Reinicia la configuración de sonido a su valor predeterminado de fábrica.

Configuración de vídeo

Si la fuente se encuentra en modo VGA, puede seleccionar **Brillo**, **Contraste**, **Posición**, **Ruido de vídeo**, **Nitidez**, **Ajuste automático**, **Información**, **Temp. de color**, o reiniciar todos los parámetros a sus valores predeterminados.



1. **Brillo y contraste**: puede ajustar el rango entre 0 y 100.
2. **Posición**: existen dos opciones, horizontal y vertical. Podrá ajustar desde -50 a +50 la posición de la imagen en la pantalla.
3. **Ruido de vídeo**: existen dos opciones, Fase y Reloj, que puede ajustar entre -50 y +50.
4. **Nitidez**: seleccione entre las opciones Normales, Muy suaves, Suaves, Agudas y Muy agudas.
5. **Ajuste automático**: ajusta automáticamente la entrada del PC al tamaño de pantalla óptimo.
6. **Información**: muestra la definición de entrada de PC.



- 7. Temperatura de color:** existen cinco opciones de temperatura entre las que el usuario puede seleccionar, SRGB, Normal, Frío, Cálido y Usuario. Puede seleccionar temperaturas de cuatro colores de SRGB, Normal, Frío y Cálido o ajustar manualmente los valores de rojo, verde y azul en la configuración de usuario (sólo podrá ajustar el rojo, verde y azul en el color de usuario).
- 8. Reiniciar valores predeterminados:** Reinicia la configuración de vídeo a sus valores predeterminados.

Cuando la fuente de la entrada está en modo de HDMI, usted puede seleccionar brillo, contraste, agudeza, información, la temperatura del color, y reseteo al formato original de la fábrica. .



Información: Demuestra el tipo de entrada de señal. Otros son iguales al modo de VGA.

Si la fuente de entrada es **TV/AV/S-Video/Componentes**, puede seleccionar las opciones de **Brillo**, **Contraste**, **Color**, **Nitidez**, **Tinte**, **Tono de piel dinámico**, **Temp. de color**, **Tamaño predefinido** y **Reiniciar valores predeterminados**.



1. **Brillo y contraste:** puede ajustar el rango de 0~100.
2. **Color:** puede ajustar de 0 a 100 la saturación del color.
3. **Nitidez:** Seleccione entre las opciones Normal, Muy suave, Suave, Nítido y Muy nítido.
4. **Tinte:** puede ajustar el parámetro de 0 a 100 para ajustar el color de la imagen.
5. **Tono dinámico de piel:** si el tono dinámico está activado, el tono de la piel de una persona en la imagen se verá con más viveza.
6. **Temperatura de color:** existen tres opciones de temperatura de color disponibles para el usuario: normal, frío y cálido.



7. **Predefinido:** seleccione el modo predefinido de vídeo según sus preferencias. Puede seleccionar Personal, Película, Deportes, Señal débil y Juegos.
8. **Tamaño:** existen cinco opciones, Normal, Panorámico 1, Panorámico 2, Aumento y Cine.
9. **Reiniciar valores predeterminados:** reinicia la configuración a sus valores predeterminados de fábrica.

Configuración de funciones

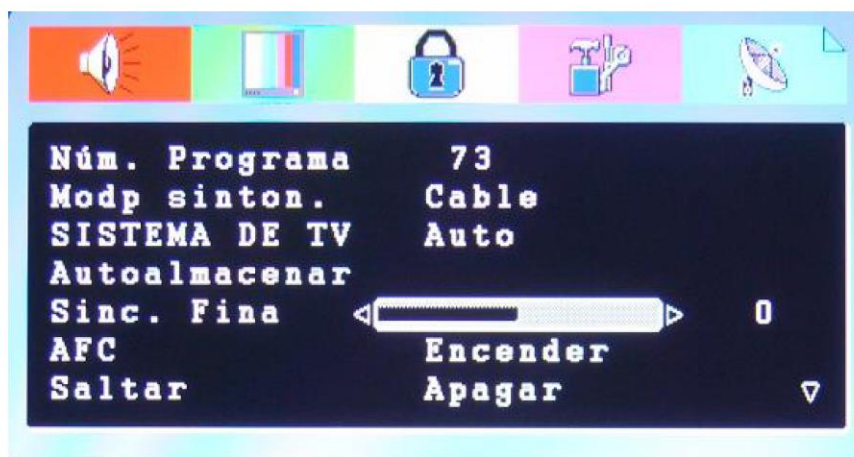
En cualquier modo de fuente de entrada, puede Establecer la hora, el Idioma, el tiempo de Sueño o reiniciar los parámetros a sus valores predeterminados. Sin embargo, los parámetros CC y CC Predefinido sólo estarán disponibles en los modos AV/S-Vídeo/TV.



1. **Fijar la hora:** Puedes fijar el reloj con el botón arriba / abajo. Si hay corte de energía, el reloj se resetea a la hora de 12:00 AM y hay que fijar la hora de nuevo.
2. **Idioma:** existen tres idiomas disponibles - inglés, portugués y español.
3. **Temporizador de sueño:** establece el temporizador de sueño y la función de alerta, que indica que tiempo restante. Puede configurarlo como 5, 10, 15, 30, 45, 60, 90, 120, 180, 240 Minutos, o desactivado.
4. **CC:** Activa o desactiva los subtítulos.
5. **CC Predefinido:** Establece el canal de subtítulos. Puede seleccionar CC1~CC4, TT1~TT4.
6. **Reiniciar valores predeterminados:** Reinicia la configuración de las funciones a sus valores predeterminados.

Configuración de TV

El siguiente menú aparecerá sólo en el modo de TV.

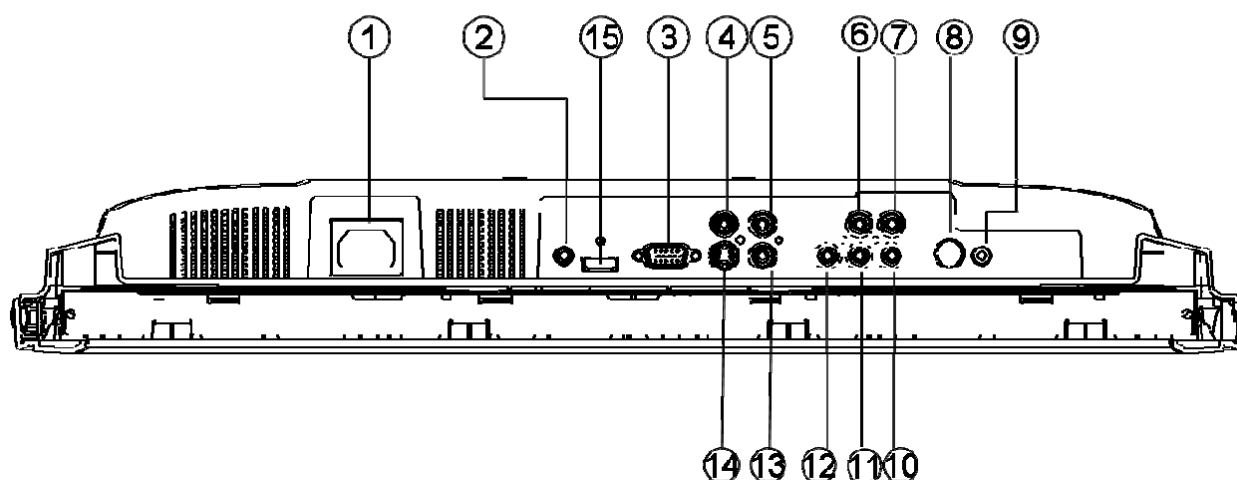


1. **N. de programa:** muestra el número actual del canal. Puede cambiar el número de programa con los botones izquierda/derecha del control remoto.
2. **Modo de adaptación:** Selecciona el modo de señal de la TV - cable o aire.
3. **Sistema de TV:** existen cuatro opciones, NTSC-M, Auto, PAL-M y PAL-N. Recomendamos establecerlo en la opción auto.
4. **Búsqueda automática:** seleccione "Búsqueda automática" para buscar todos los canales con señal; una vez finalizada la búsqueda, el sistema pasará al primer canal con señal, almacenando todos los canales localizados. Si desea detener la "Búsqueda automática" durante el proceso, pulse el botón Menú.
5. **Sintonía fina:** Sintoniza con precisión la frecuencia del programa actual.

6. **AFC:** Puede activar o desactivar la función AFC. Si está activada, la TV buscará la señal de TV automáticamente. Si existe algún desplazamiento en la señal, ajustará automáticamente el canal a la posición correcta.
7. **Saltar:** puede activar o desactivar esta función. Si está activada, podrá saltar el canal sin señal pulsando el botón arriba/abajo en el control remoto o el panel frontal.
8. **Reiniciar a valores predeterminados:** reinicia la configuración de la TV a sus valores predeterminados de fábrica.

2.4 How to Connect

Coloque el TV LCD con la pantalla hacia abajo sobre una mesa. Así será más fácil conectar su equipo periférico. Por favor, tenga cuidado de no dañar la pantalla.



1. Terminal de entrada de alimentación AC
2. Entrada de audio VGA
3. Entrada de señal VGA
4. Entrada de señal AV
5. Entrad de pista de audio derecha (AV/S-Vídeo)
6. Entrada de pista de audio izquierdo en componentes
7. Entrada de pista de audio derecho en componentes
8. Entrada de TV
9. Salida de auricular
- 10~12. Entrada de señal en componentes (Y, Pb, Pr)
13. Entrada de pista izquierda de audio (AV/S-Vídeo)
14. Entrada de señal S-Vídeo
15. Entrada HDMI

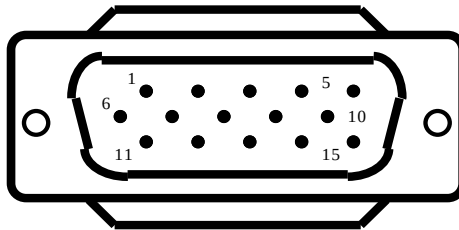
3. Input/ Output Specification

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

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

Apply power to the display by turning the power switch to the "ON" position and allow about ten seconds for Panel warm-up. The Power-On indicator lights "GREEN" when the display is on.

With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display, or press auto-adjust to get the best picture-quality.

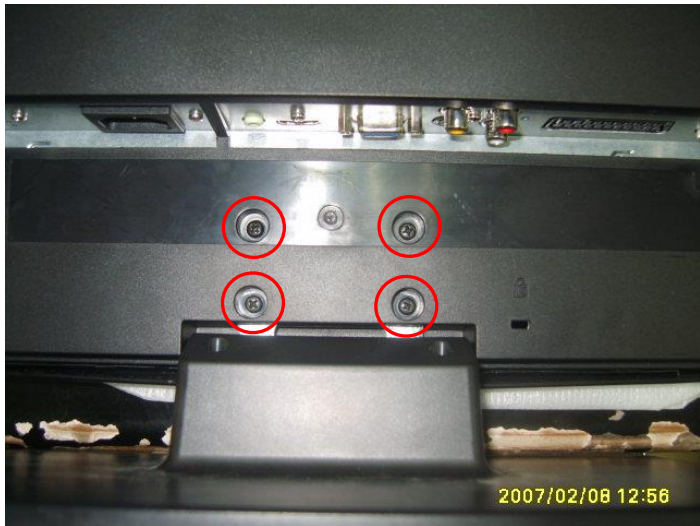
This TV (with PC function) has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.

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

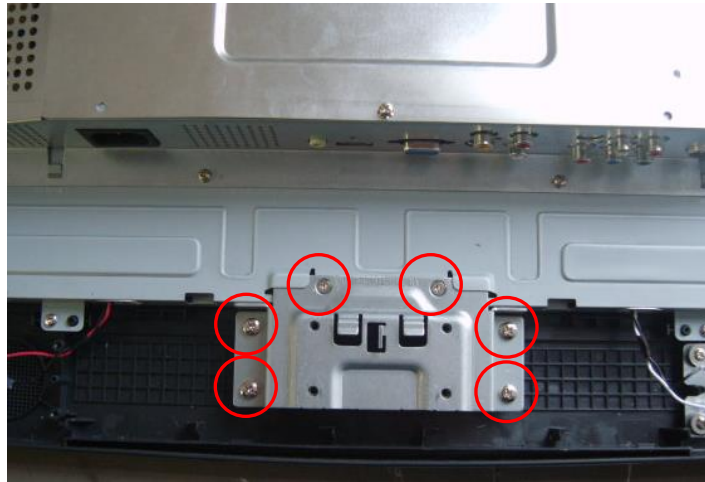
3.2 RGB Input Signal Timing

Item	Video Mode		fH (kHz)	fV (Hz)	Dot clock (MHz)	Sync polarity		Horizontal (dot)				Vertical (line)				Analog	
						H	V	H-total	H-wide	H Back porch	H Front porch	V-total	V-wide	H Back porch	H Front porch		
1	VESA	VGA 640x480	31.469	59.940	25.175	N	N	800	96	48	16	526	2	33	11	Y	
2			37.861	72.809	31.500	N	N	832	40	128	24	520	3	28	9	Y	
3			37.500	75.000	31.500	N	N	840	64	120	16	500	3	16	1	Y	
4		SVGA 800x600	35.156	56.250	36.000	P	P	1024	72	128	24	625	2	22	1	Y	
5			37.879	60.317	40.000	P	P	1056	128	88	40	628	4	23	1	Y	
6			48.077	72.188	50.000	P	P	1040	120	64	56	666	6	23	37	Y	
7			46.875	75.000	49.500	P	P	1056	80	160	16	625	3	21	1	Y	
8		XGA 1024x768	48.363	60.004	65.000	N	N	1344	136	160	24	806	6	29	3	Y	
9			56.476	70.069	75.000	N	N	1328	136	144	24	806	6	29	3	Y	
10			60.023	75.029	78.750	P	P	1312	96	176	16	800	3	28	1	Y	
11		SXGA	1152x864	67.500	75.000	108.000	P	P	1600	128	256	64	900	3	32	1	Y
12			1280x1024	63.981	60.020	108.000	P	P	1688	112	248	48	1066	3	38	1	Y
13				79.976	75.025	135.000	P	P	1688	144	248	16	1066	3	38	1	Y
14	VGA TEXT	720x400	31.469	70.087	28.322	N	P	900	108	45	27	449	2	35	12	Y	
15	Macintosh	640x480	35.000	66.667	30.240	N	N	864	64	96	64	525	3	39	3	Y	
16		832x624	49.725	74.500	57.283	N	N	1152	64	224	32	667	3	39	1	Y	
17		1024x768	60.150	74.720	80.000	N	N	1330	96	168	42	805	3	31	3	Y	
18		1280x768	47.776	59.870	79.500	N	P	1664	128	192	64	798	7	20	3	Y	
19		1280x960	60.000	60.000	108.000	P	P	1800	112	312	96	1000	3	36	1	Y	
20		1680X1050	64.674	59.884	119.000	P	P	1840	32	80	48	1080	6	21	3	Y	

4. Mechanical Instructions

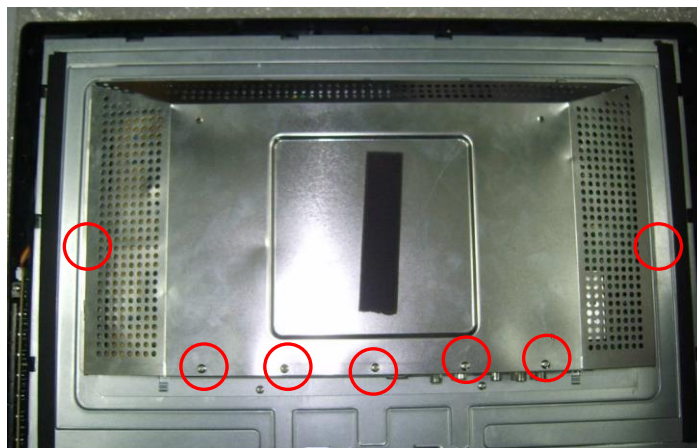
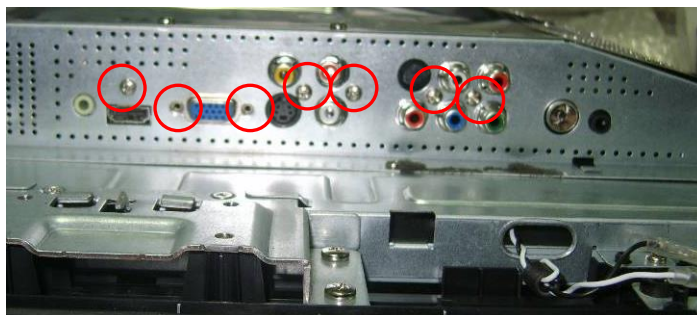
Step	Figure	Description
Preparation	 A photograph showing the back of a black LCD TV. The TV is standing on its base. The back panel has several screws visible. A timestamp "2007/02/08 13:01" is visible in the bottom right corner.	Lay the LCD-TV on a flat, soft and clean surface.
Remove the stand.	 A close-up photograph of the back panel of the TV. Four screws are circled in red, indicating they need to be removed to detach the stand. A timestamp "2007/02/08 12:56" is visible in the bottom right corner.	Remove the screws remarked on red to remove the stand.
Remove rear cover.	 A photograph showing the back of the TV with the stand removed. The back panel is visible, and the rear cover is being detached. Four screws are circled in red, indicating they need to be removed. A timestamp "2007/01/31 14:15" is visible in the bottom right corner.	Remove the screws marked in red to remove the rear cover.

**Remove
stand
bracket**



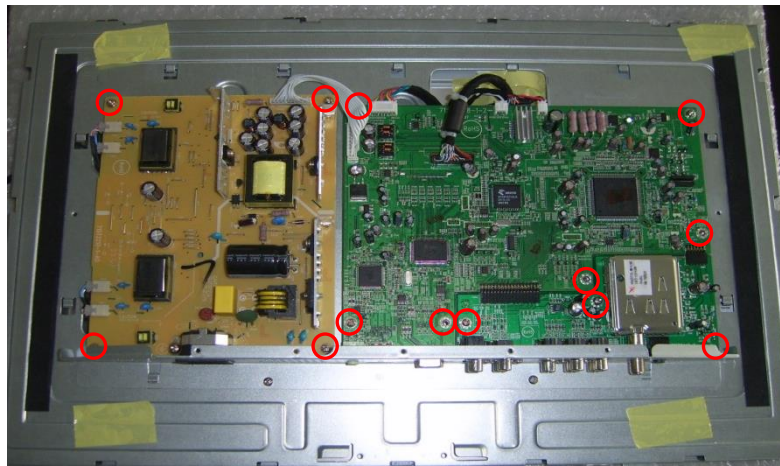
Remove the screws marked in red to remove stand bracket.

**Remove
the shield.**



1.Remove the screws in red marked to remove the shield.

Remove the main board, power board and tuner board.



Remove the screws marked in red to remove the main board, power board and tuner board .

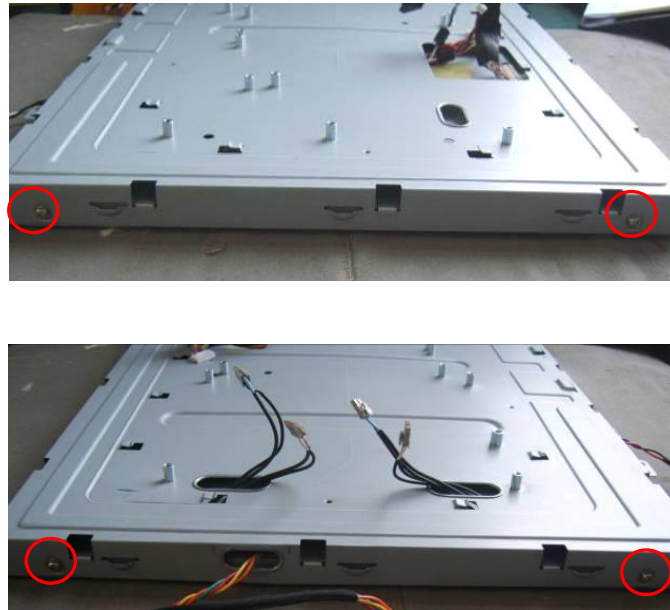
Remove bezel.



Remove the screws marked in red to remove the bezel.

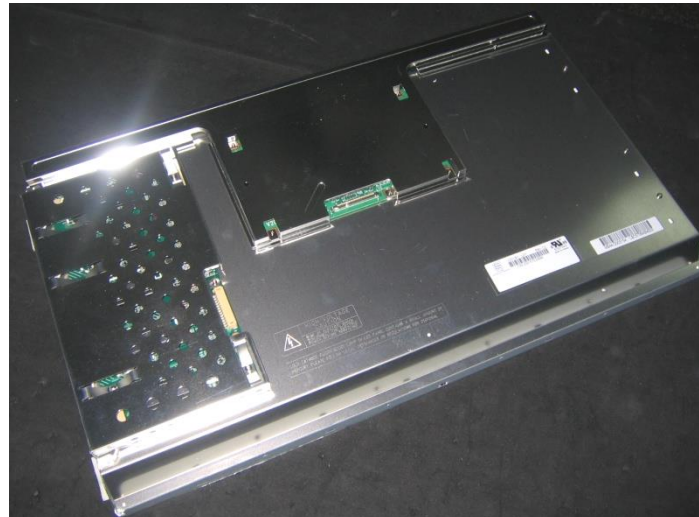


Remove
the main
frame



Remove the
screws
marked in
red to
remove the
main frame.

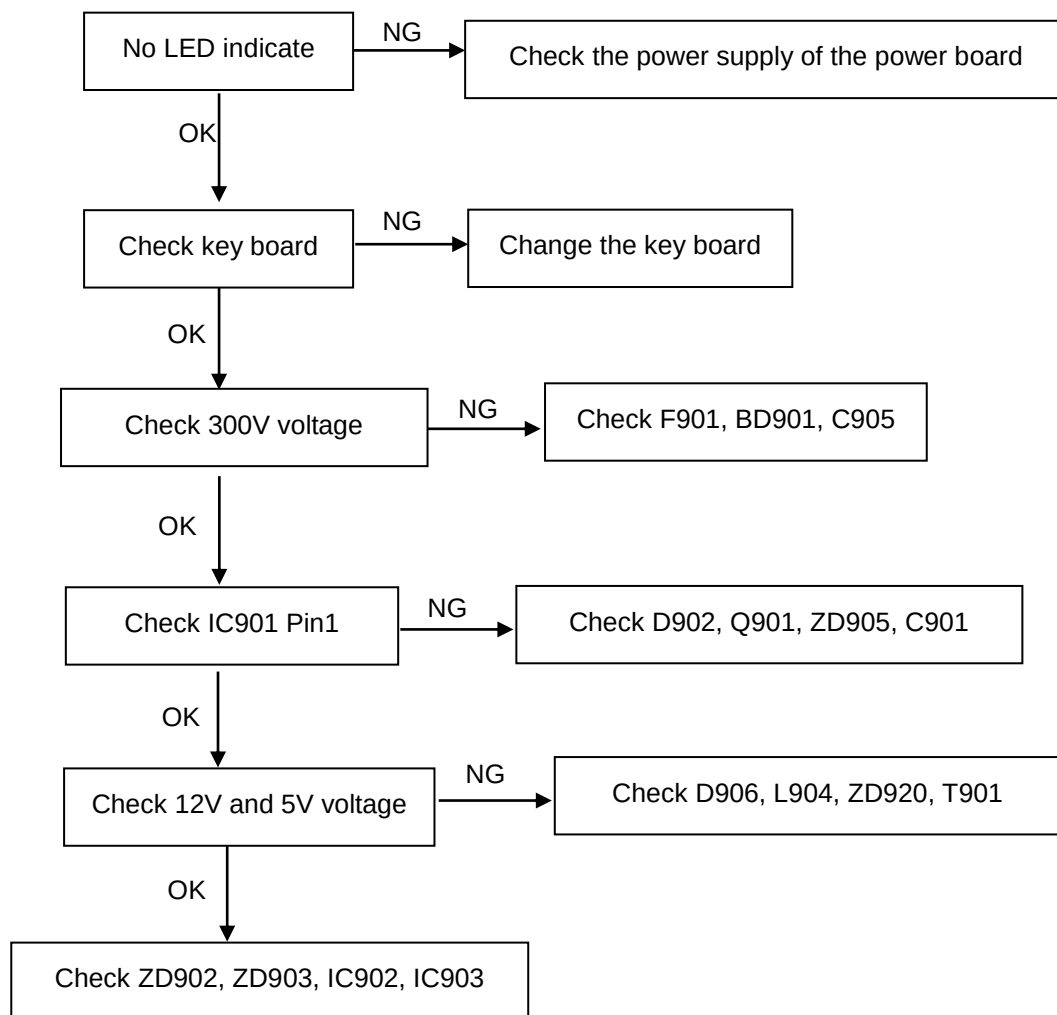
The end



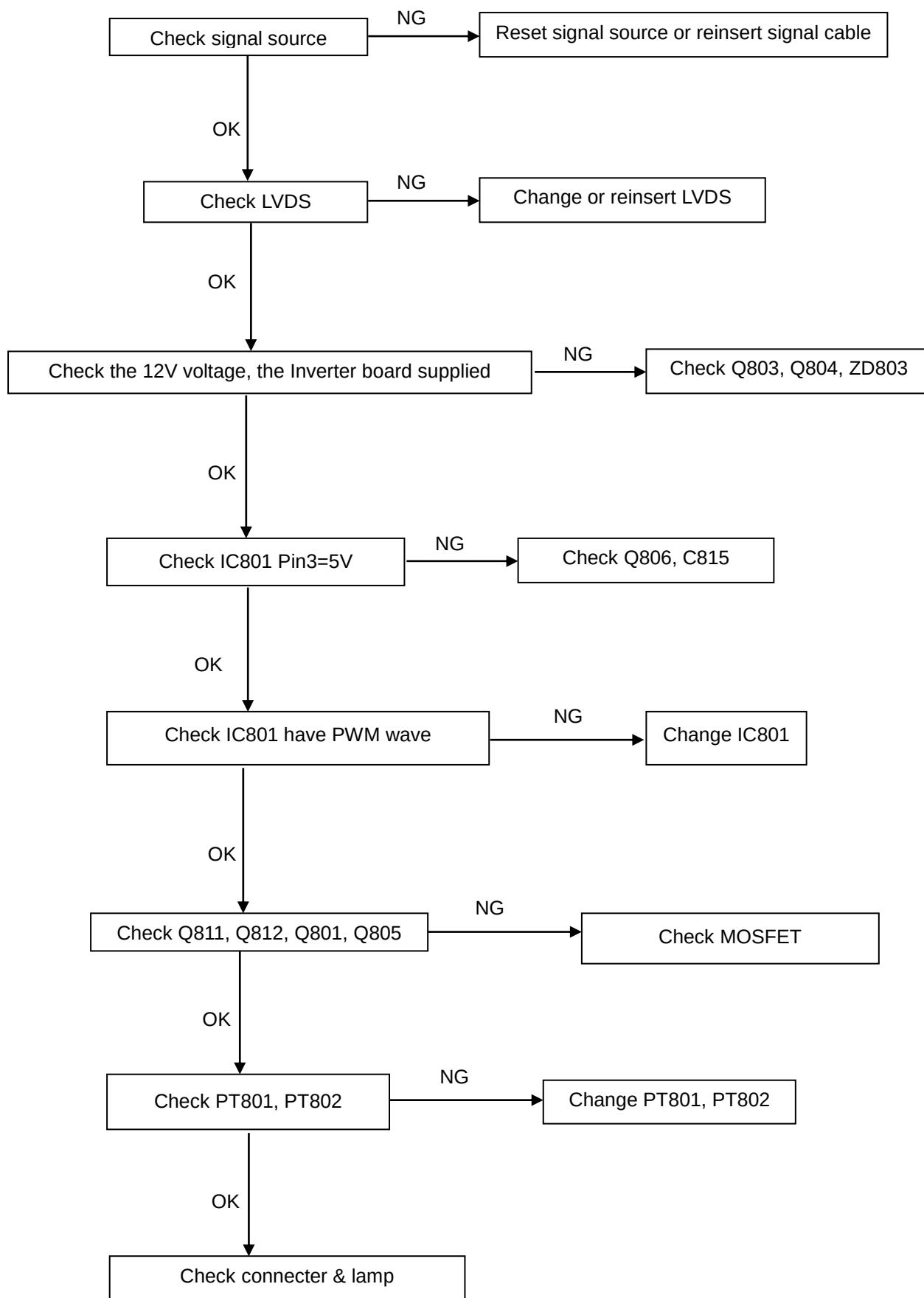
N/A

5. Repair Flow Chart

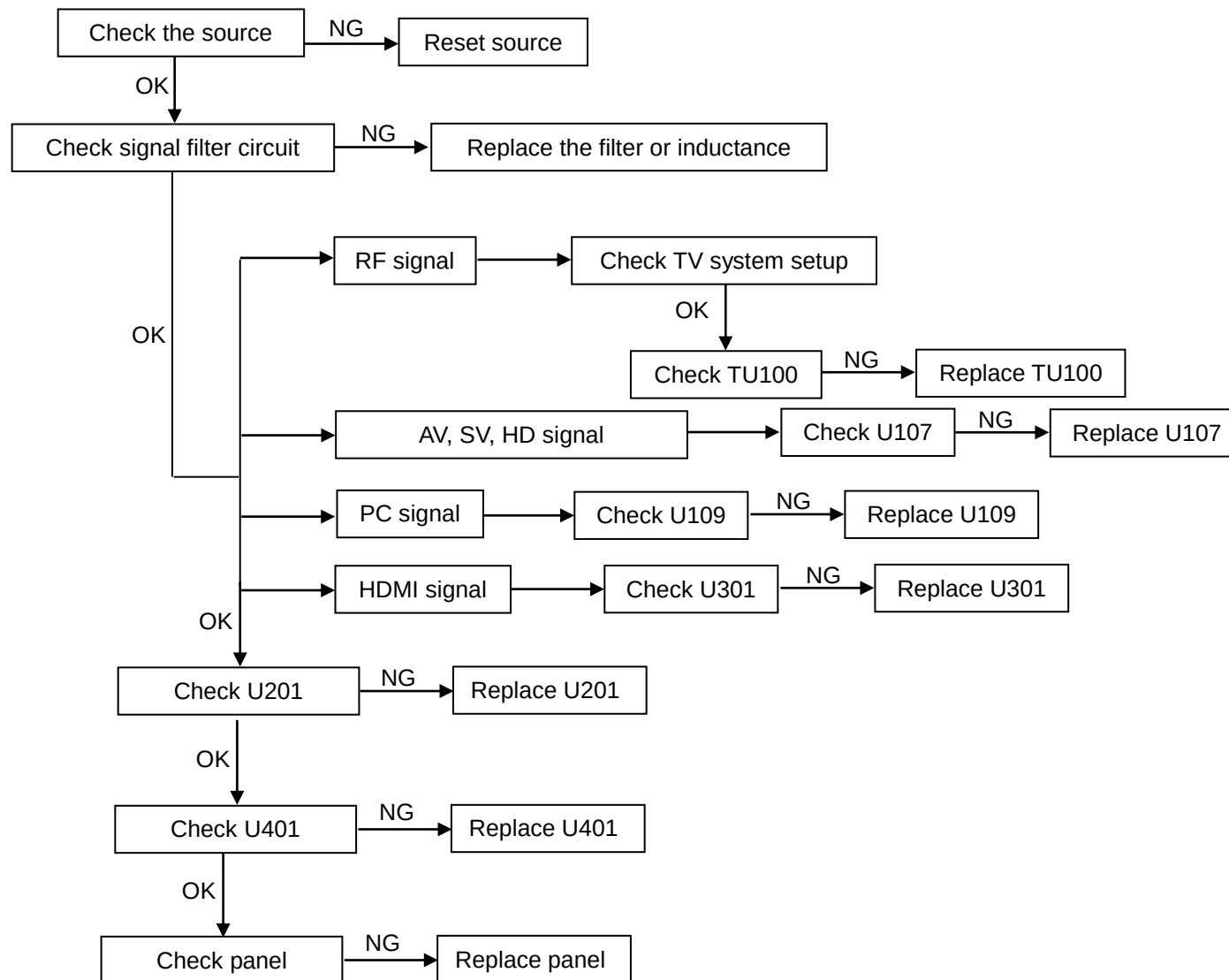
5.1 Can not start

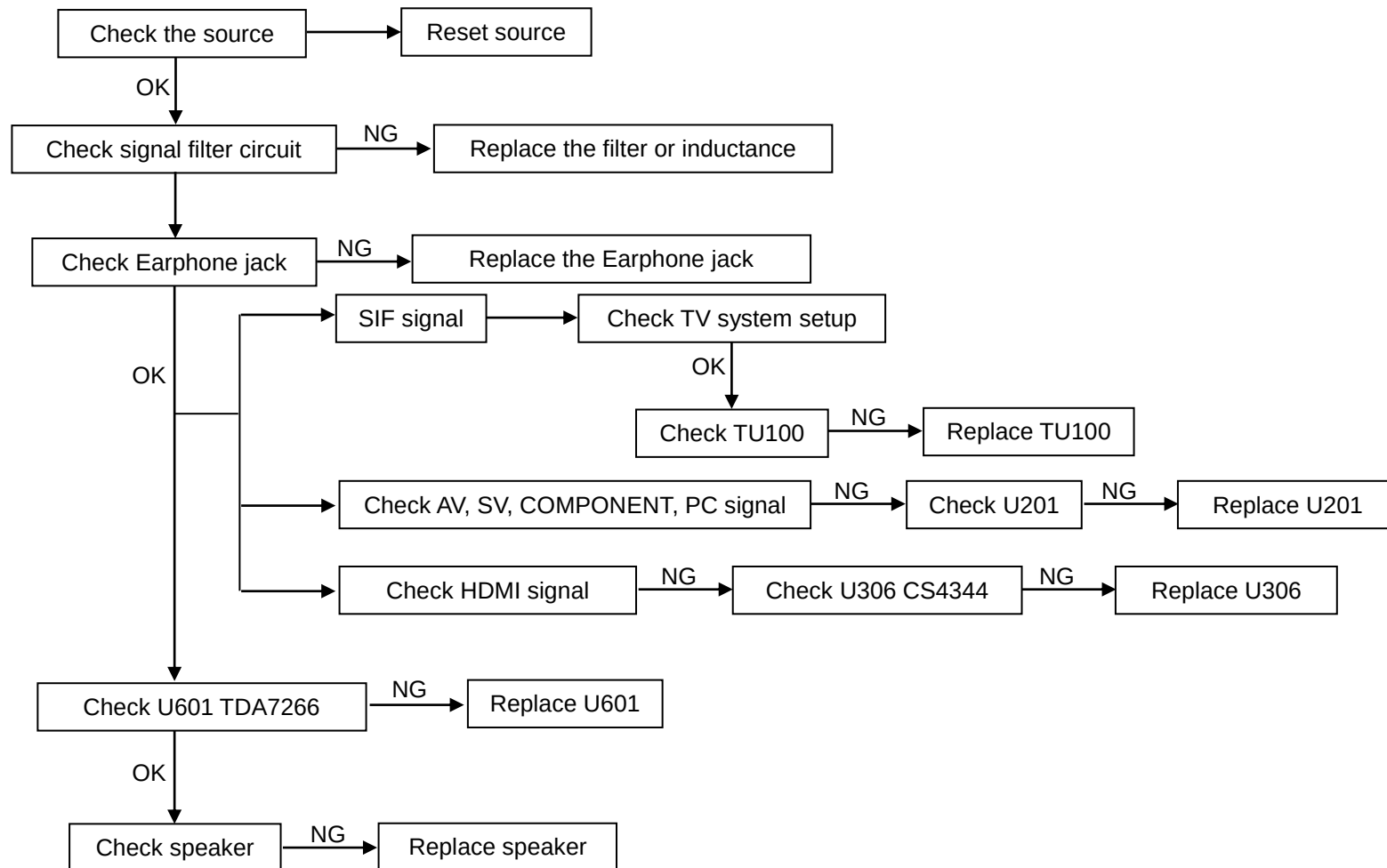


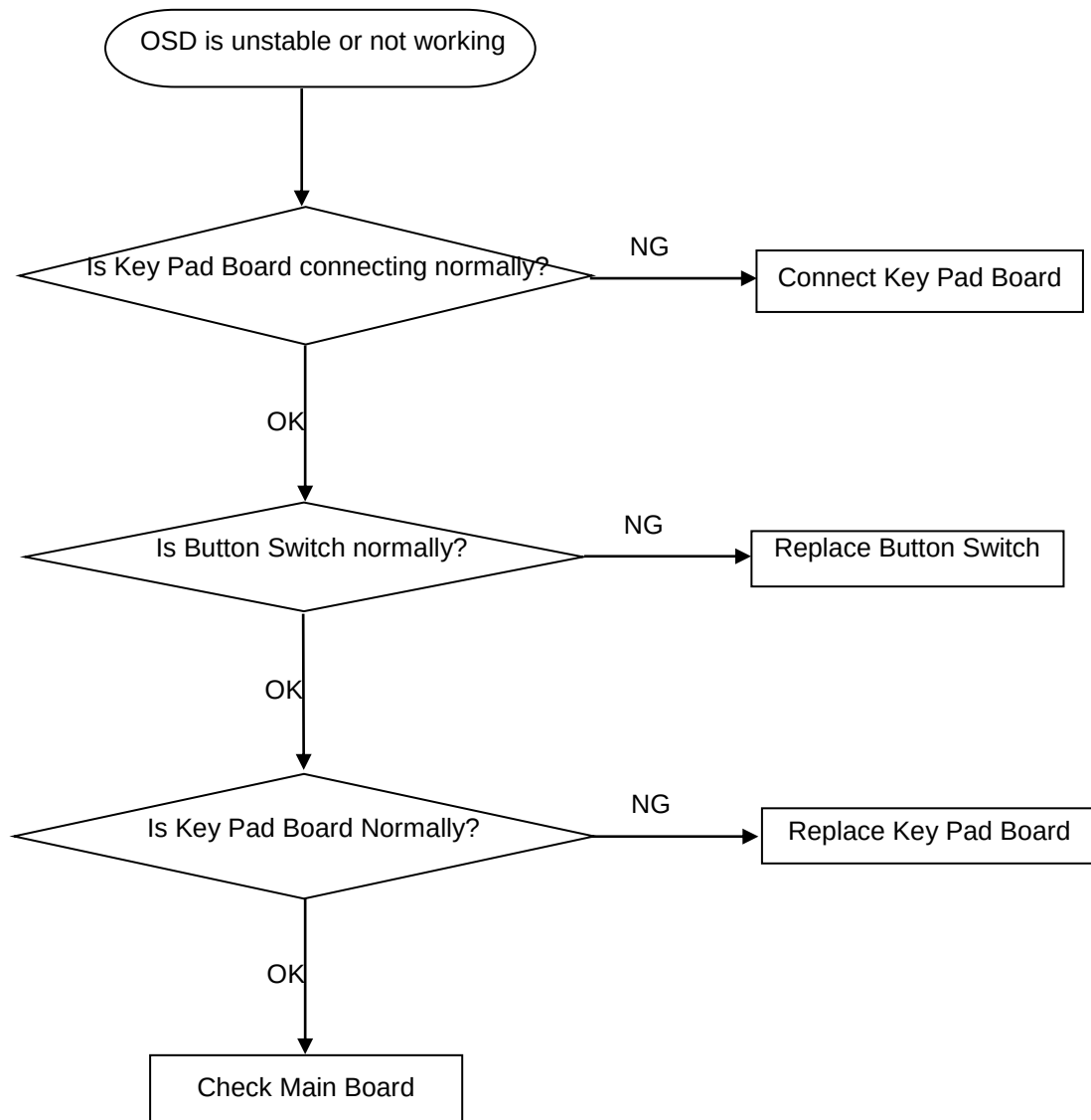
5.2 No display



5.3 Abnormal display







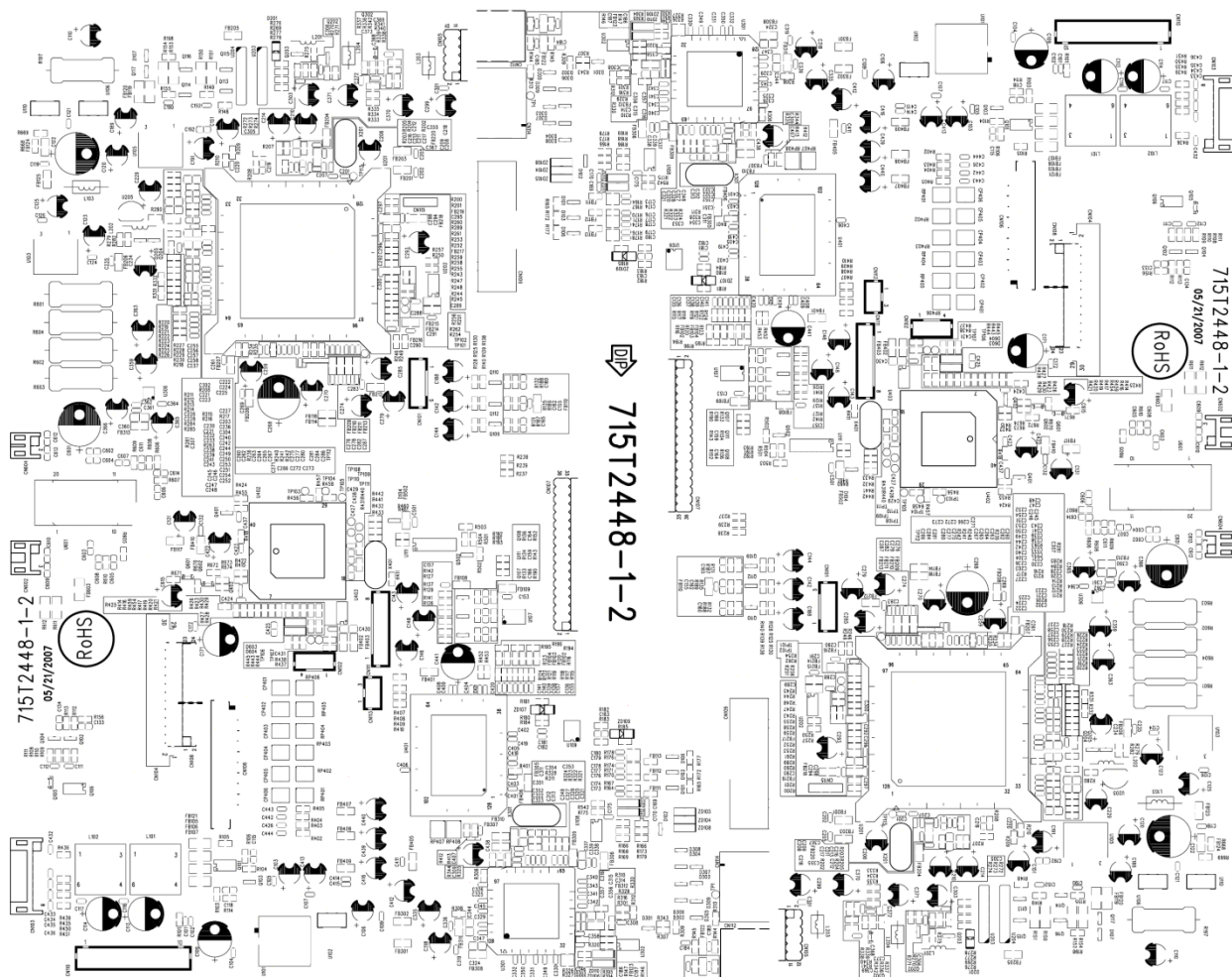
6. White Balance, Luminance Adjustment

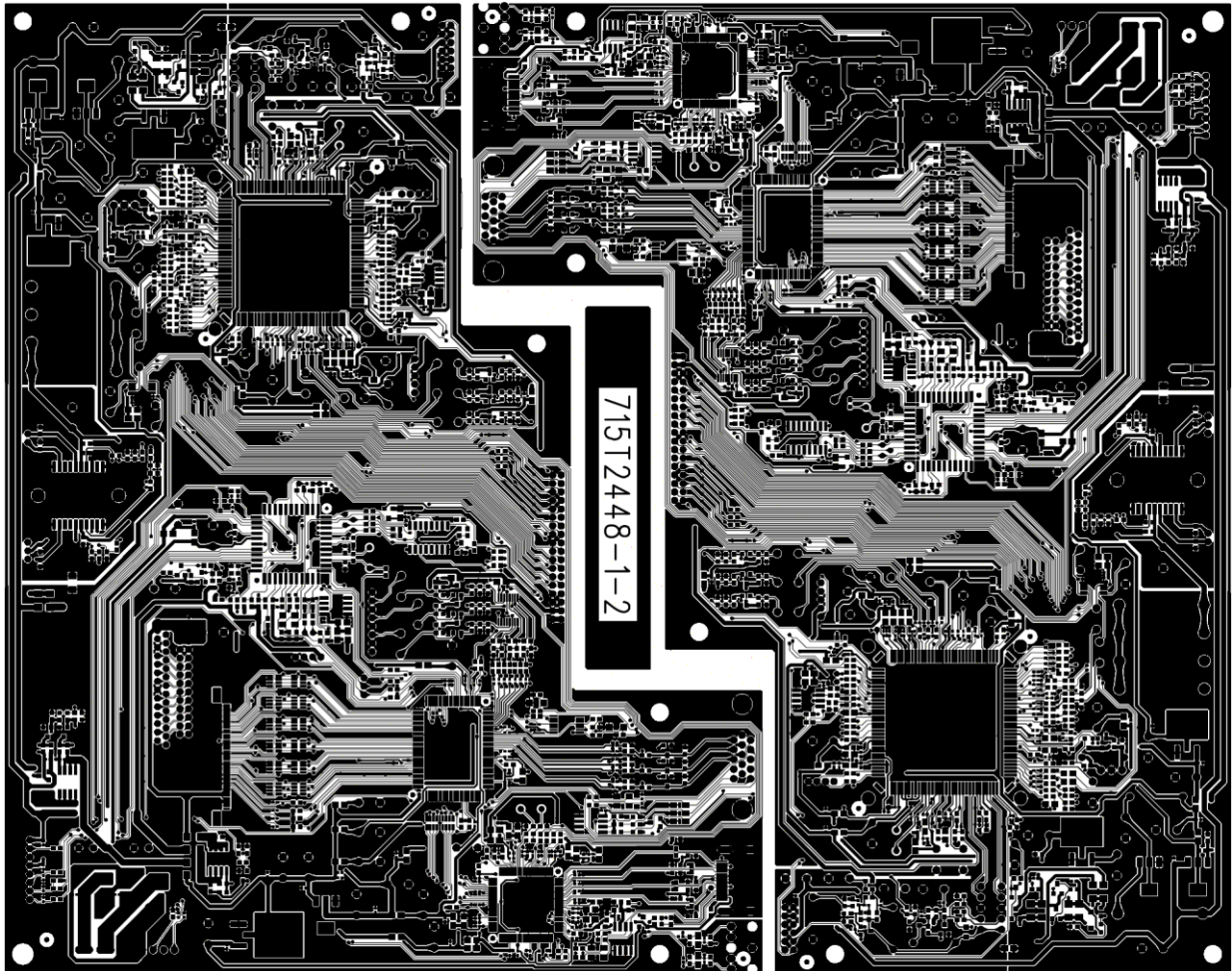
It is not necessary to adjust the white balance of the TV.

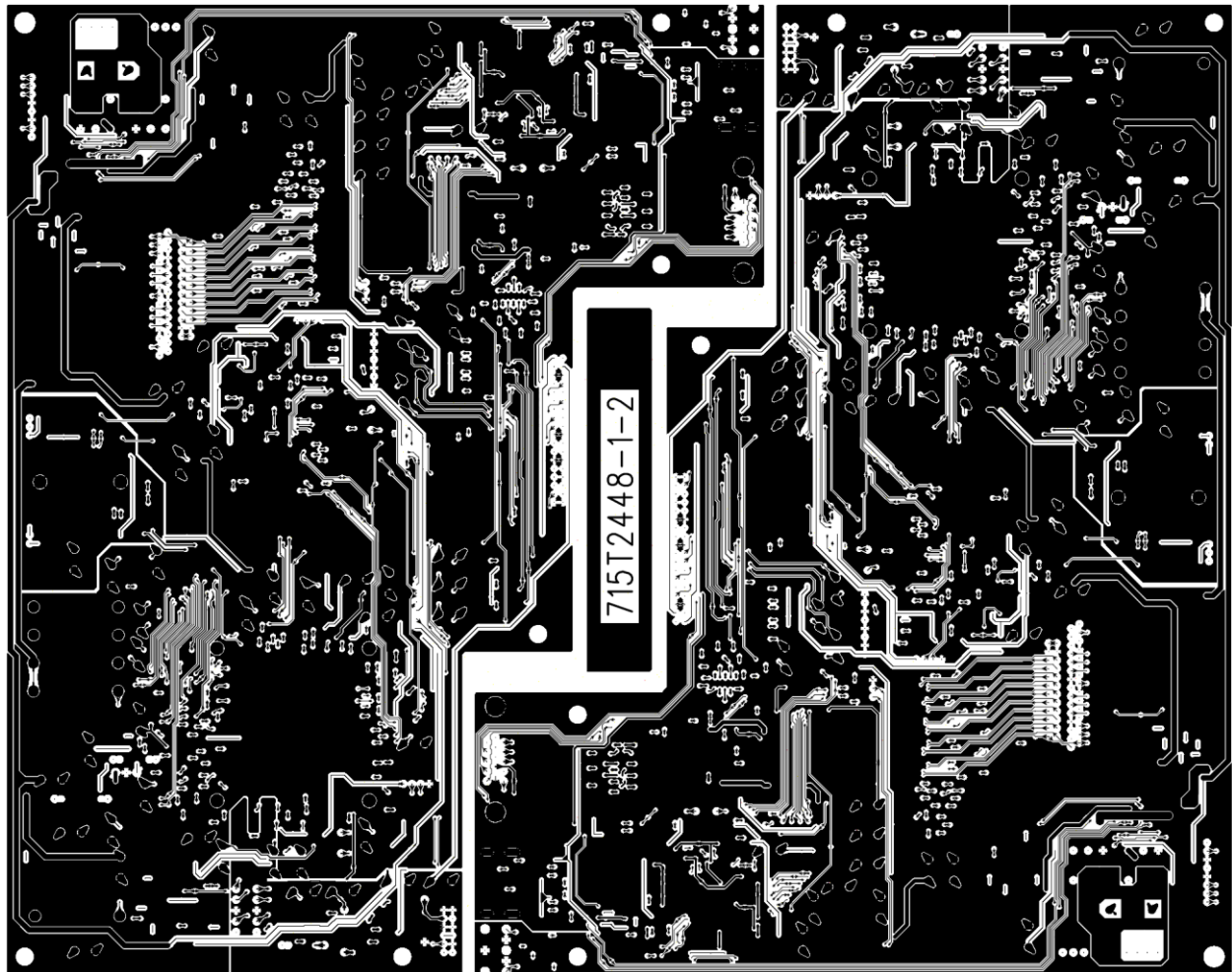
7. PCB Layout

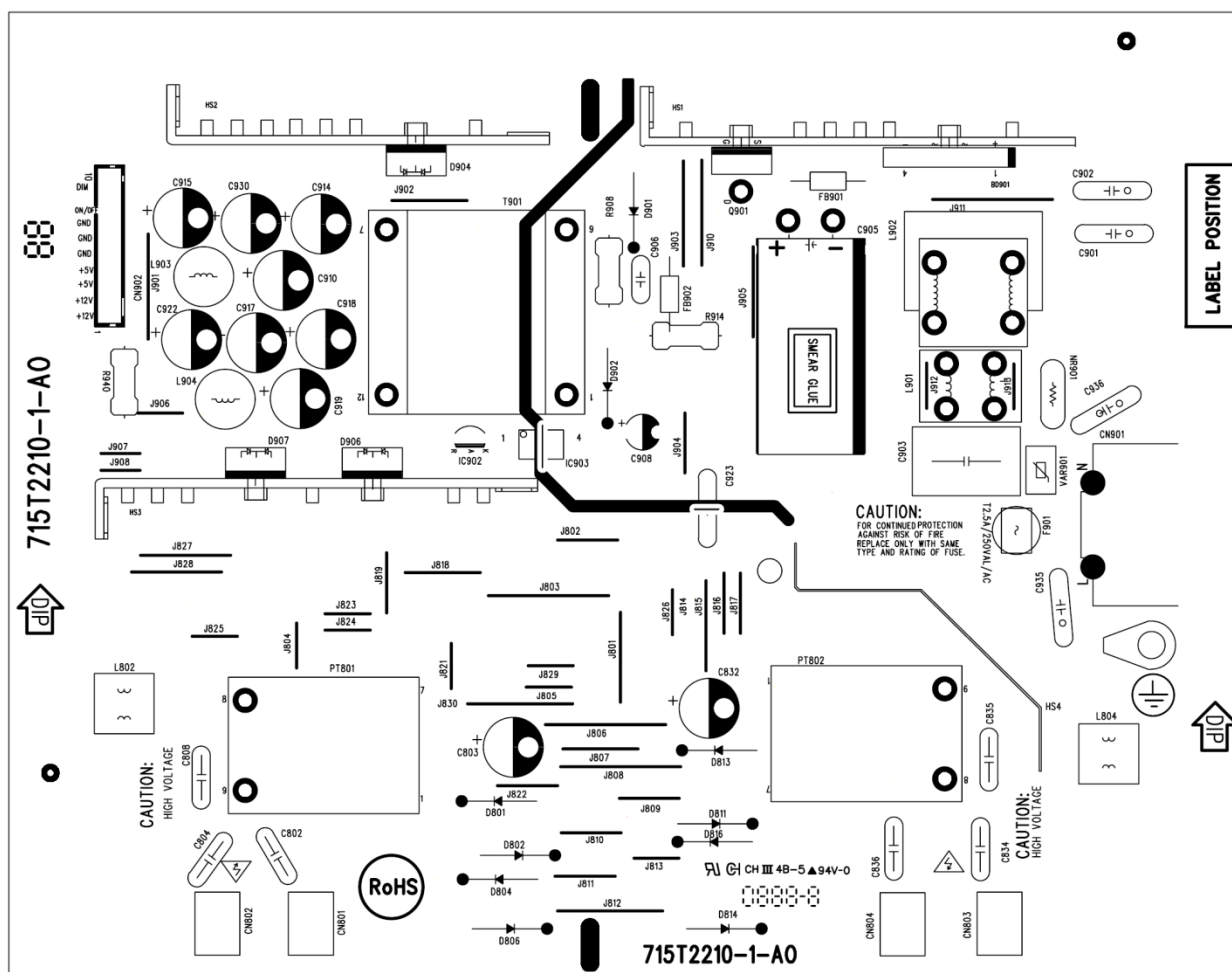
7.1 Main Board

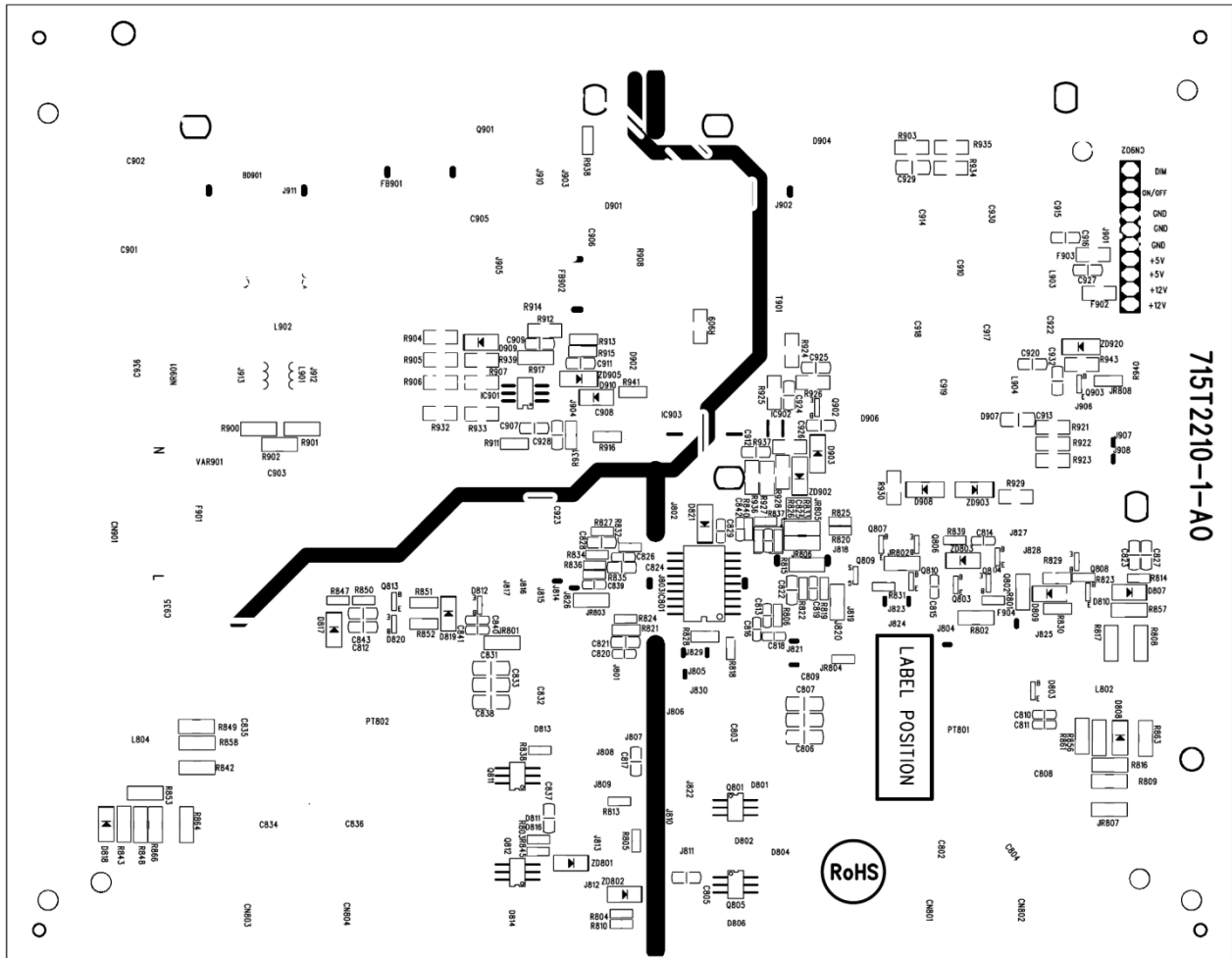
715T2448-1-2

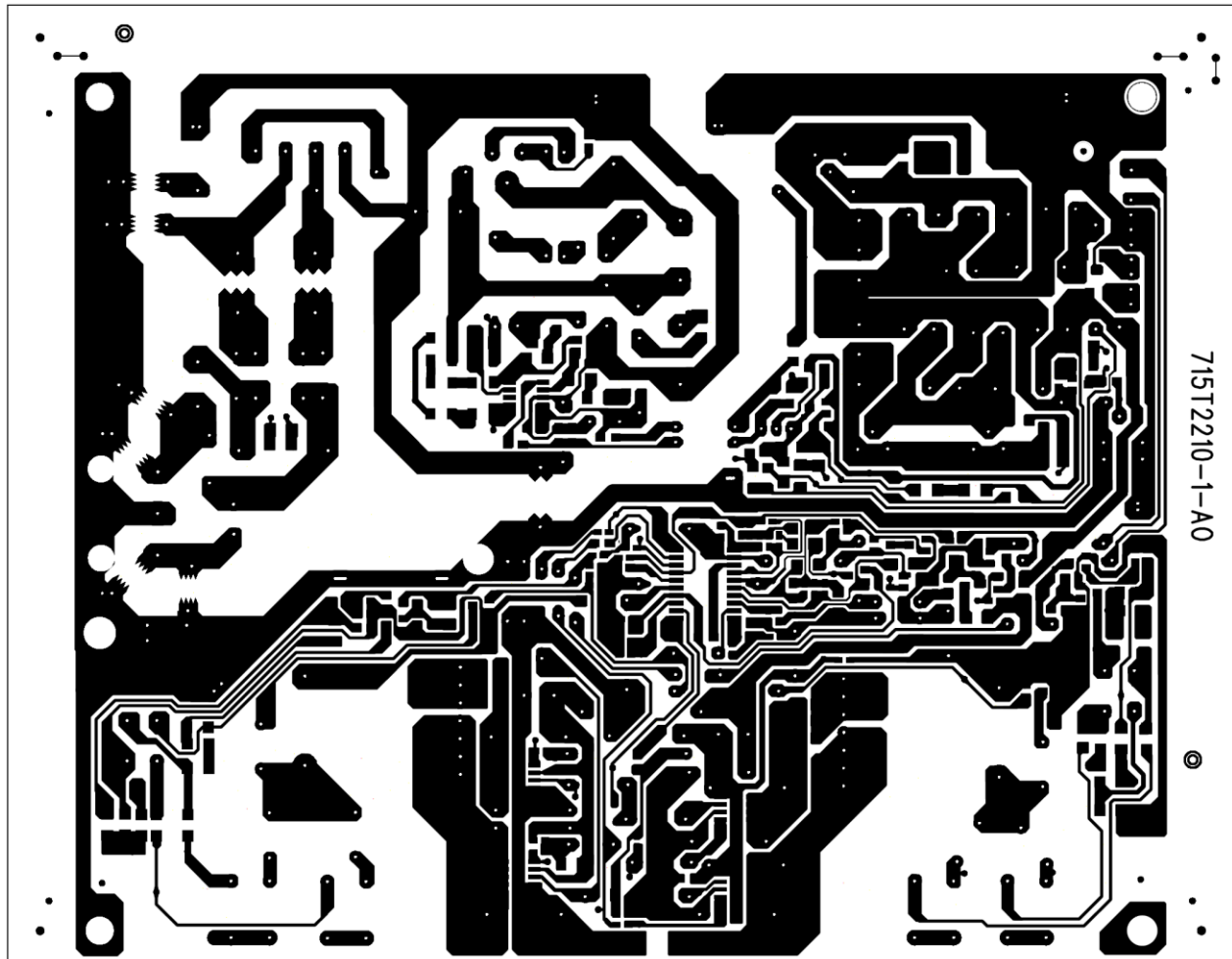




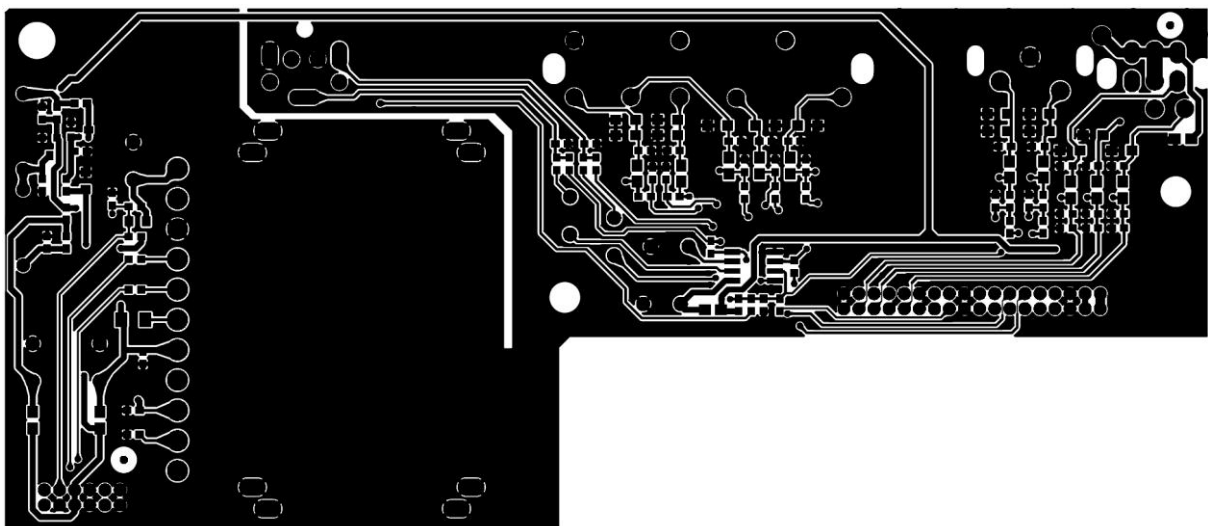
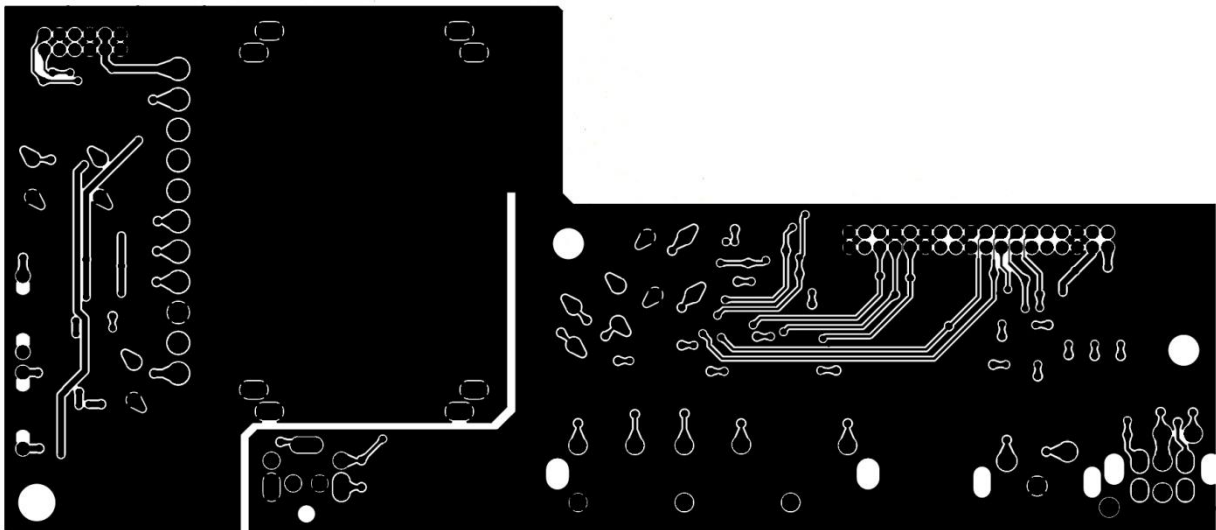
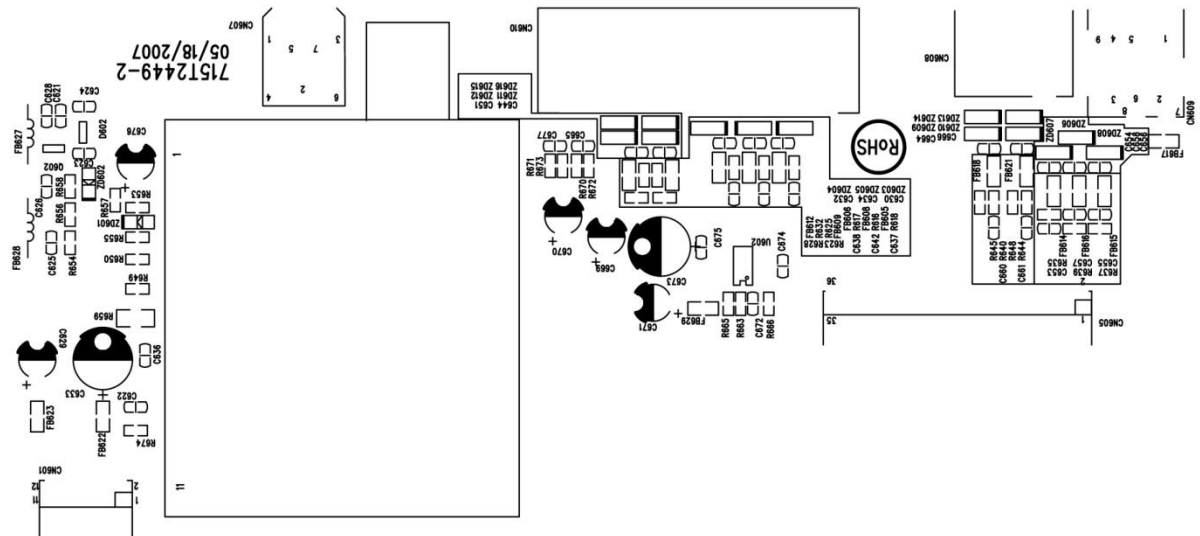






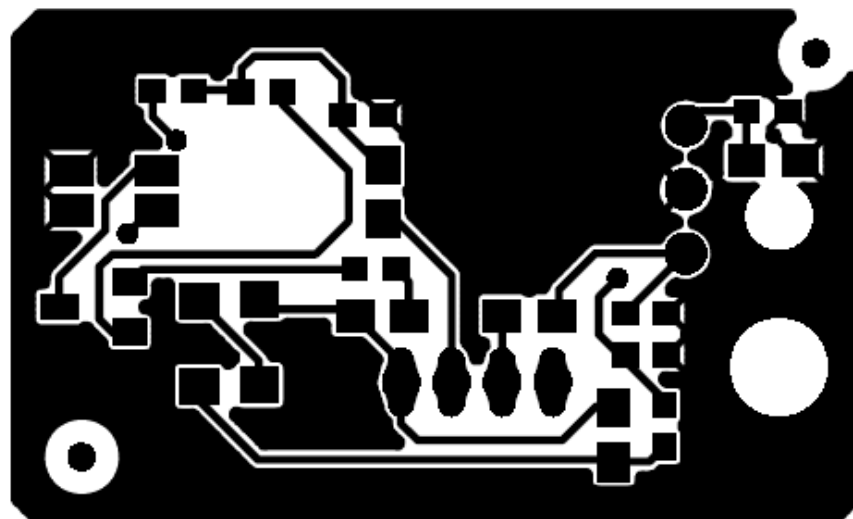
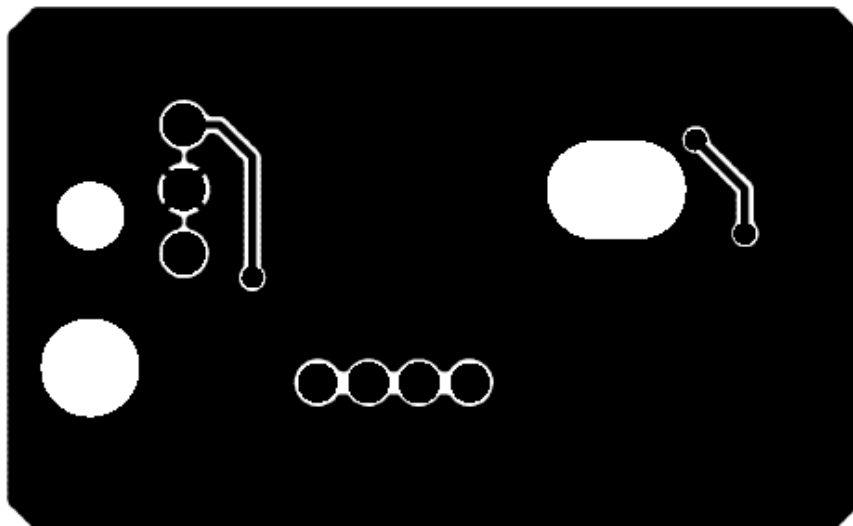
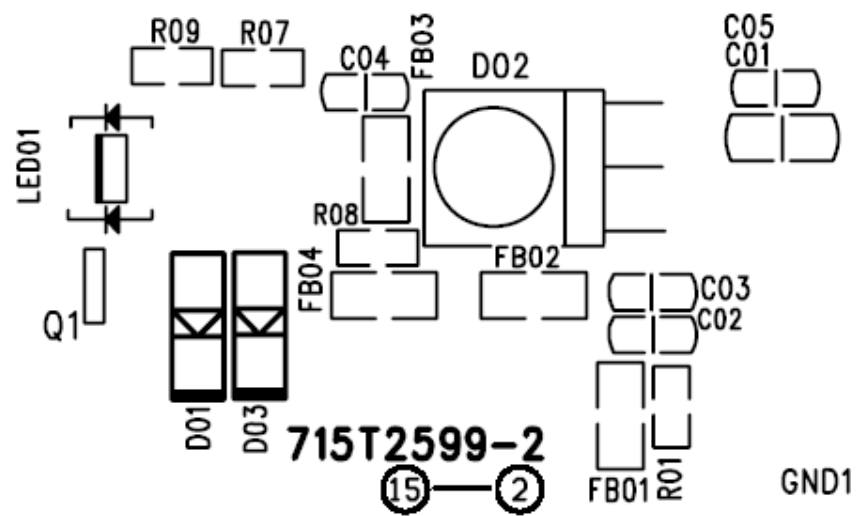


715T2449-2



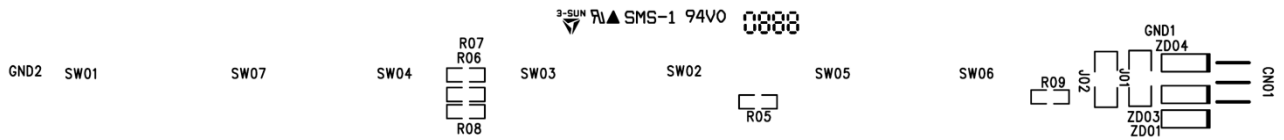
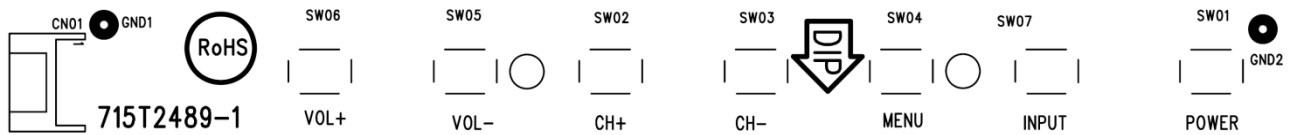
7.4 IR Board

715T2599-2

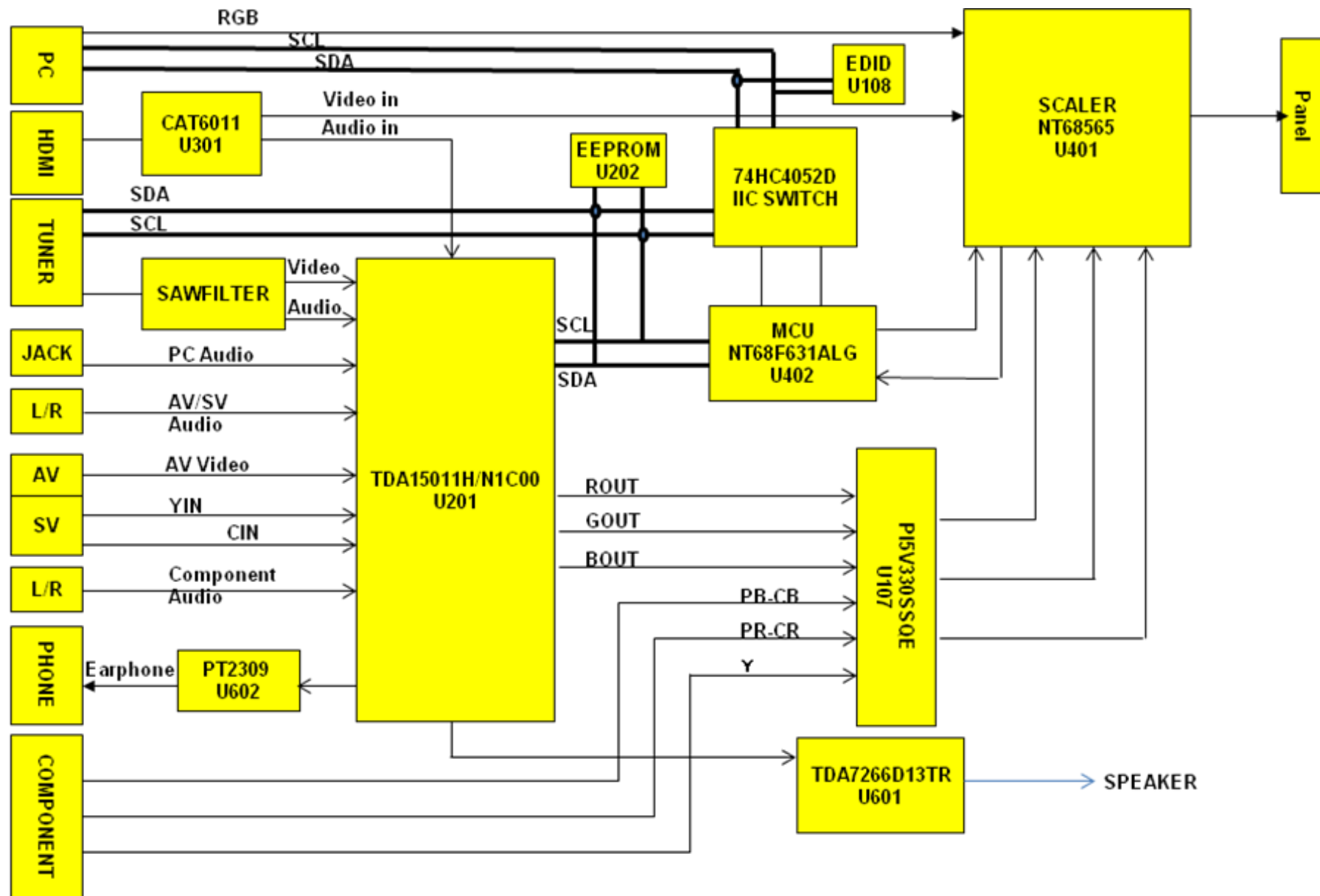


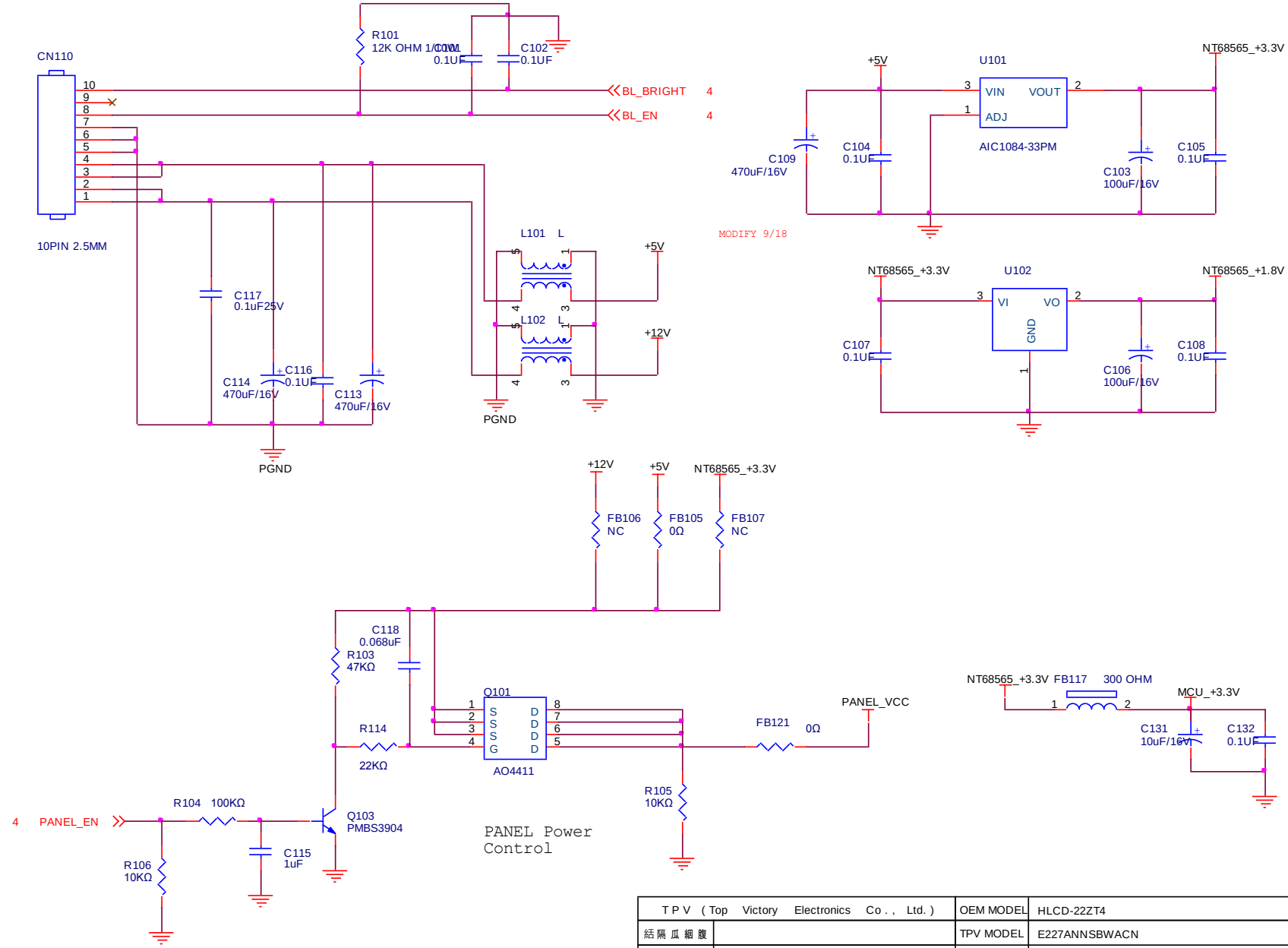
7.5 Key Board

715T2489-1

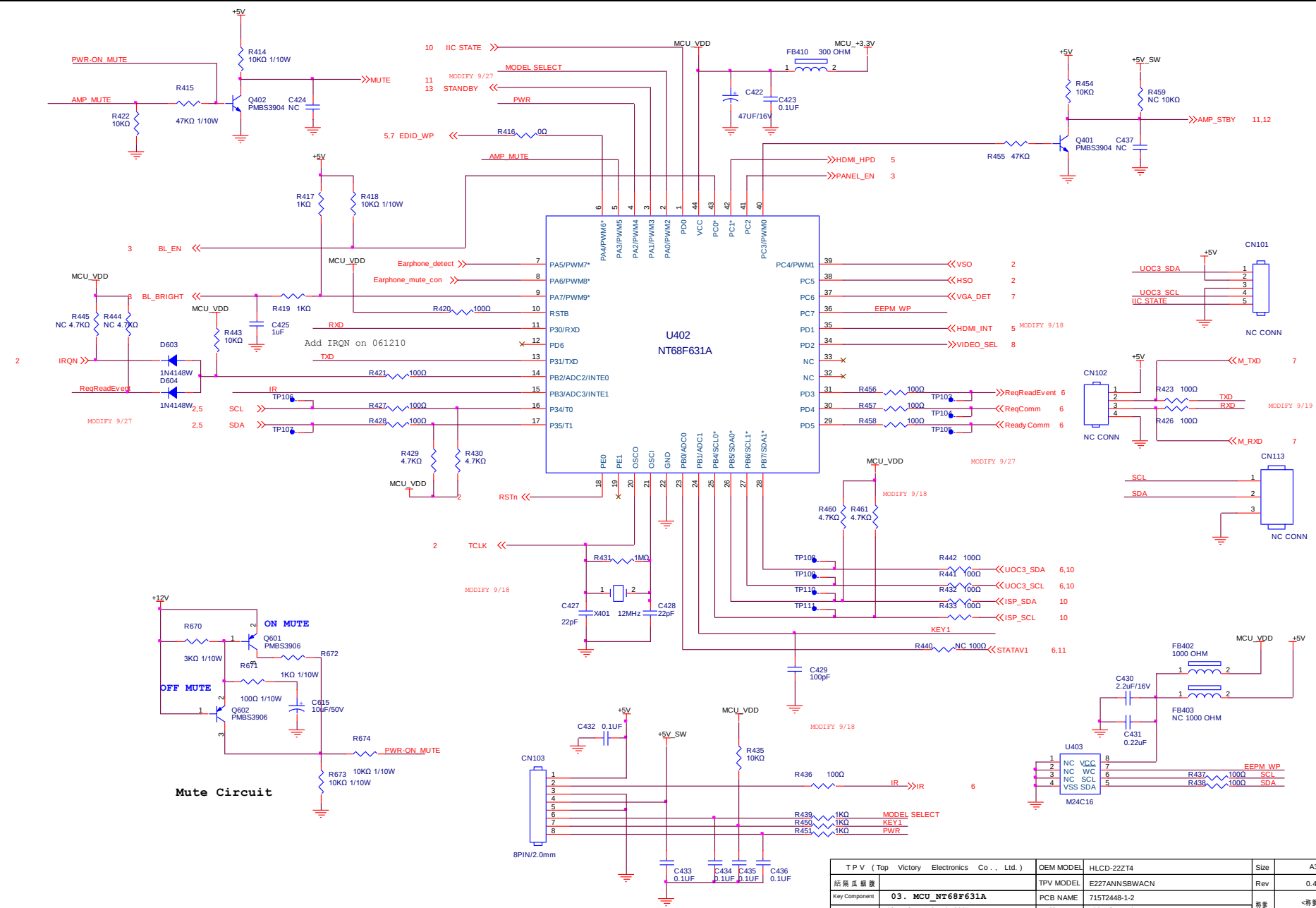


8. Block Diagram

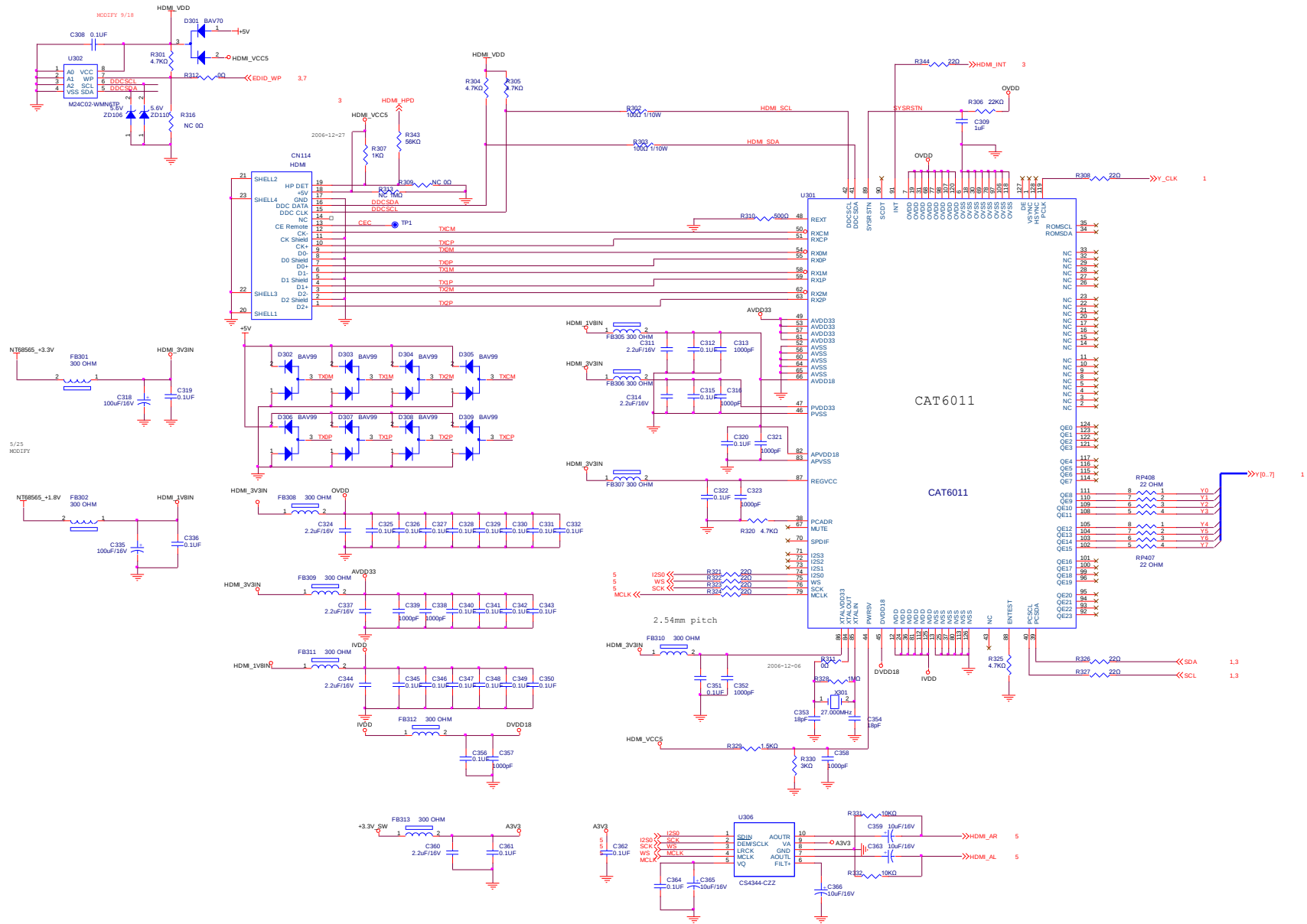




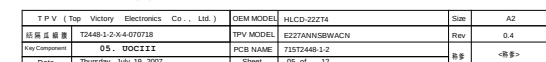
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	HLCD-22ZT4	Size	A4
結隔瓜細腹	TPV MODEL	E227ANNSBWACN	Rev	0.4
Key Component	02. SCALER POWER	PCB NAME	715T2448-1-2	称爹
Date	Thursday, July 19, 2007	Sheet	02 of 12	<称爹>

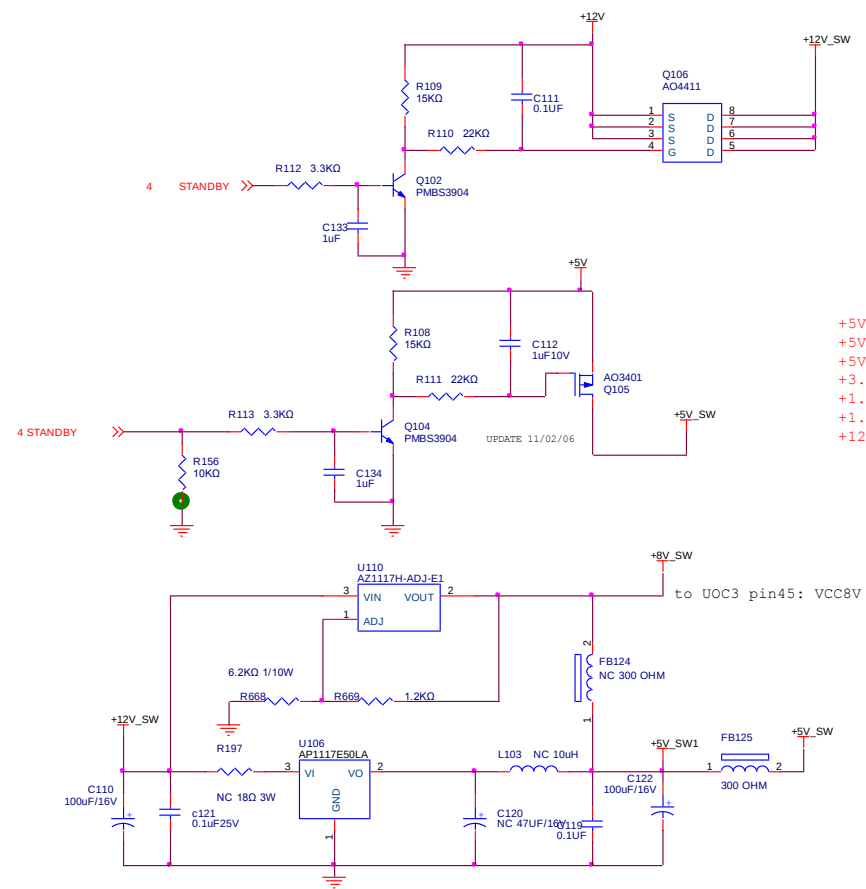


T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL	HLCD-22ZT4	Size	A3
経銷區經理		TPV MODEL	E227ANNSBWACN	Rev	0.4
Key Component	03. MCU NT68F631A	PCB NAME	715T2448-1-2	料號	<料號>
Date	Thursday, July 19, 2007	Sheet	03 of 12		

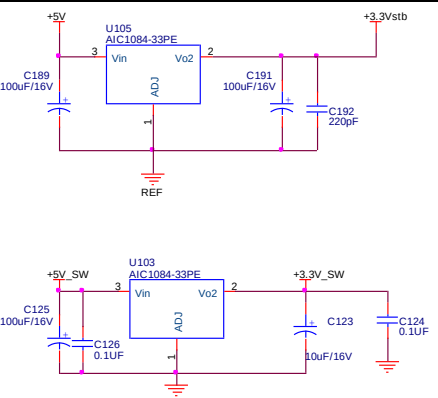


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	HLCD-22ZT4	Size	C
规格书	TPV MODEL	E227AHN/5B/WACN	Rev	0.4
Key Components	PCB NAME	715734B-1.2	材料	<材料>
Date	Thursday, July 19, 2007	Sheet	04 of 12	

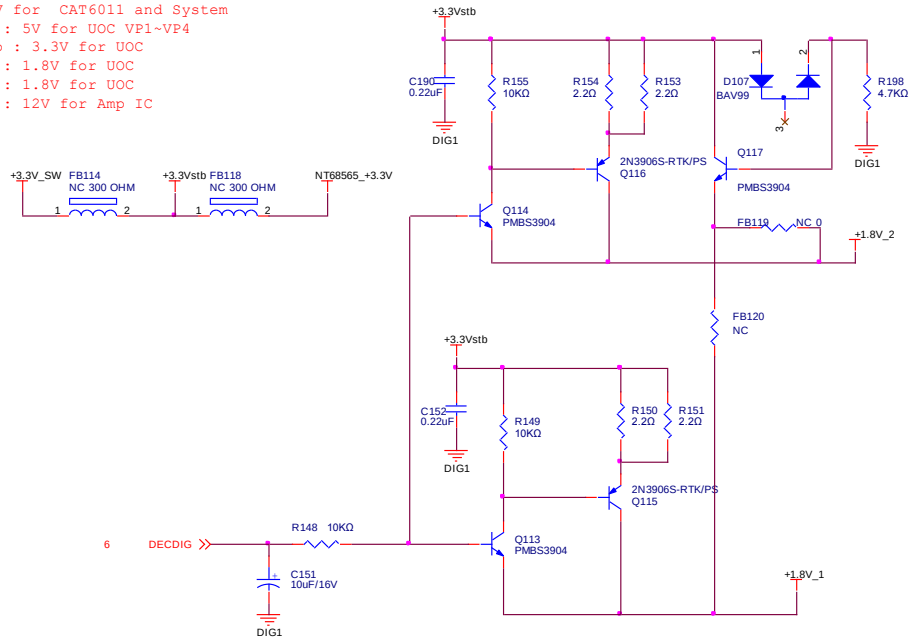




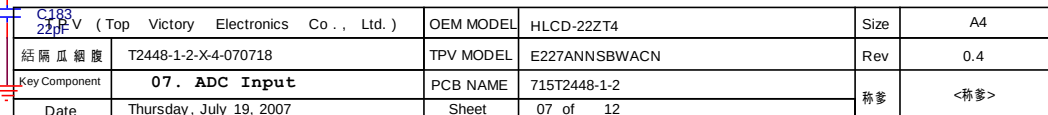
+5V_SW : 5V for all system
+5V : 5V for CAT6011 and System
+5V_SW1 : 5V for UOC VP1~VP4
+3.3Vstb : 3.3V for UOC
+1.8V_1 : 1.8V for UOC
+1.8V_2 : 1.8V for UOC
+12V_SW : 12V for Amp IC

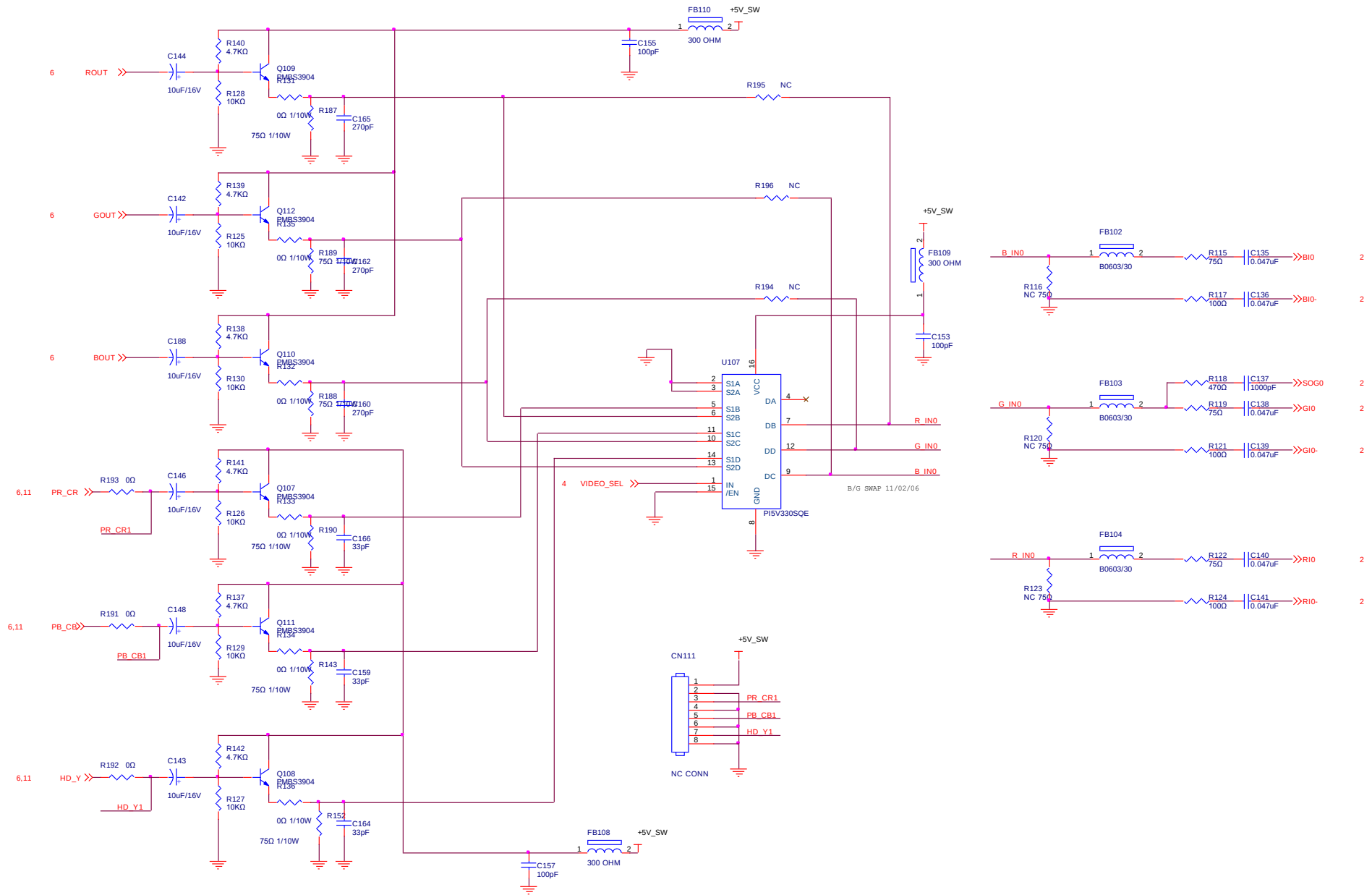


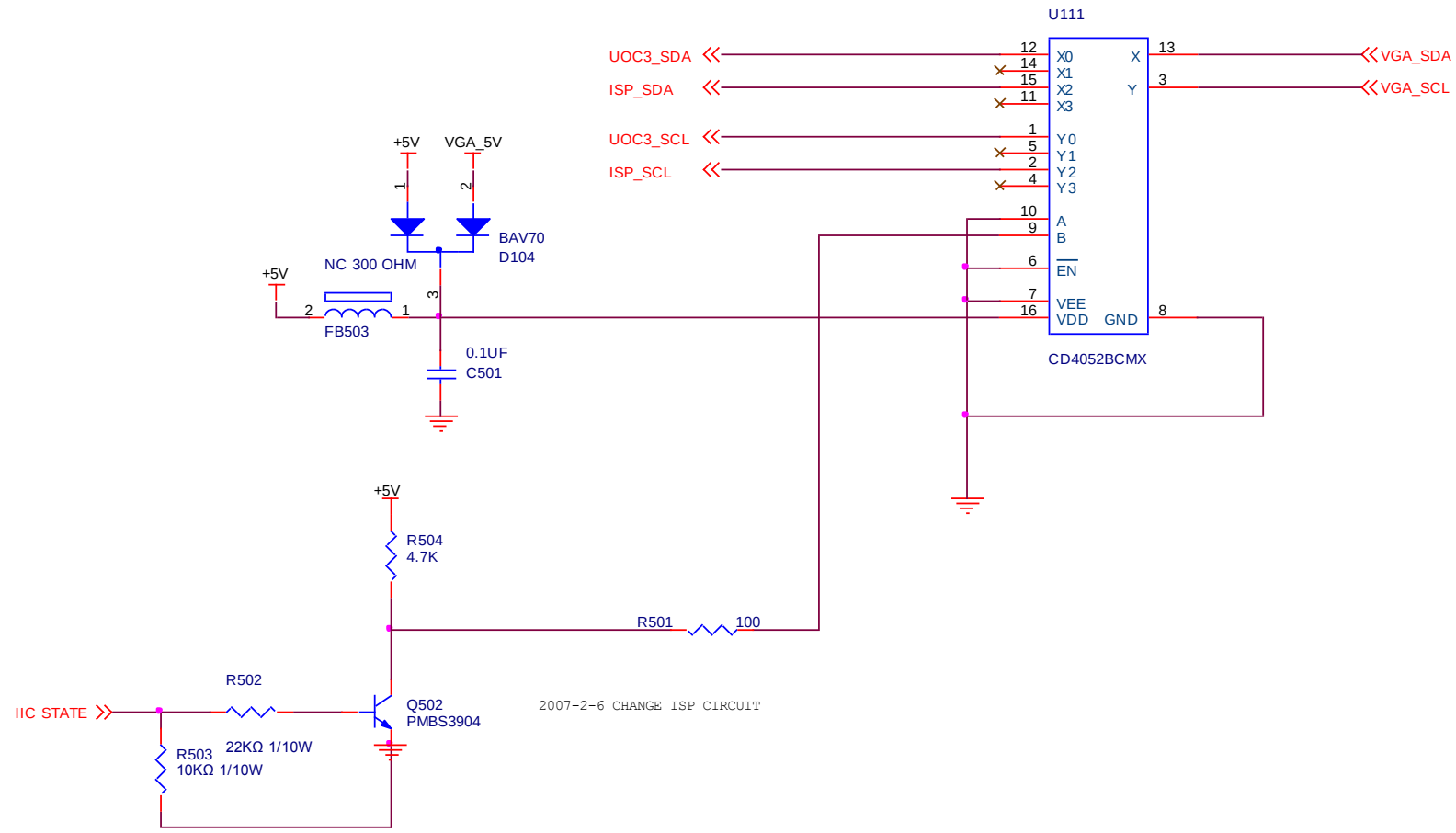
UOC3 Power



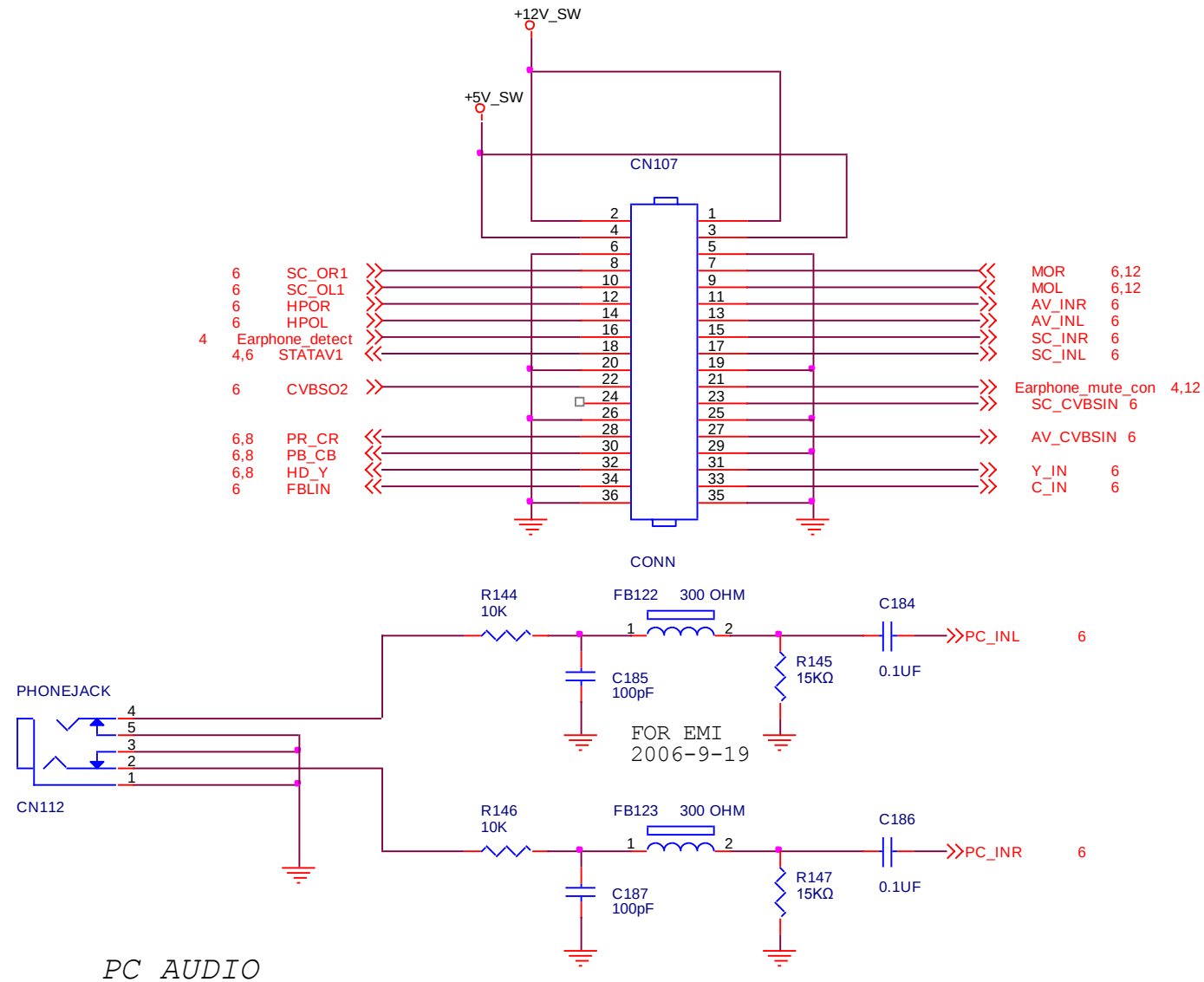
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	HLCD-22ZT4	Size	A3
結 晶 画 面 機	TPV MODEL	E227ANNSBWACN	Rev	0.4
Key Component	06. UOCIII POWER	PCB NAME	715T2448-1-2	修 修
Date	Thursday, July 19, 2007	Sheet	06 of 12	<修 修>



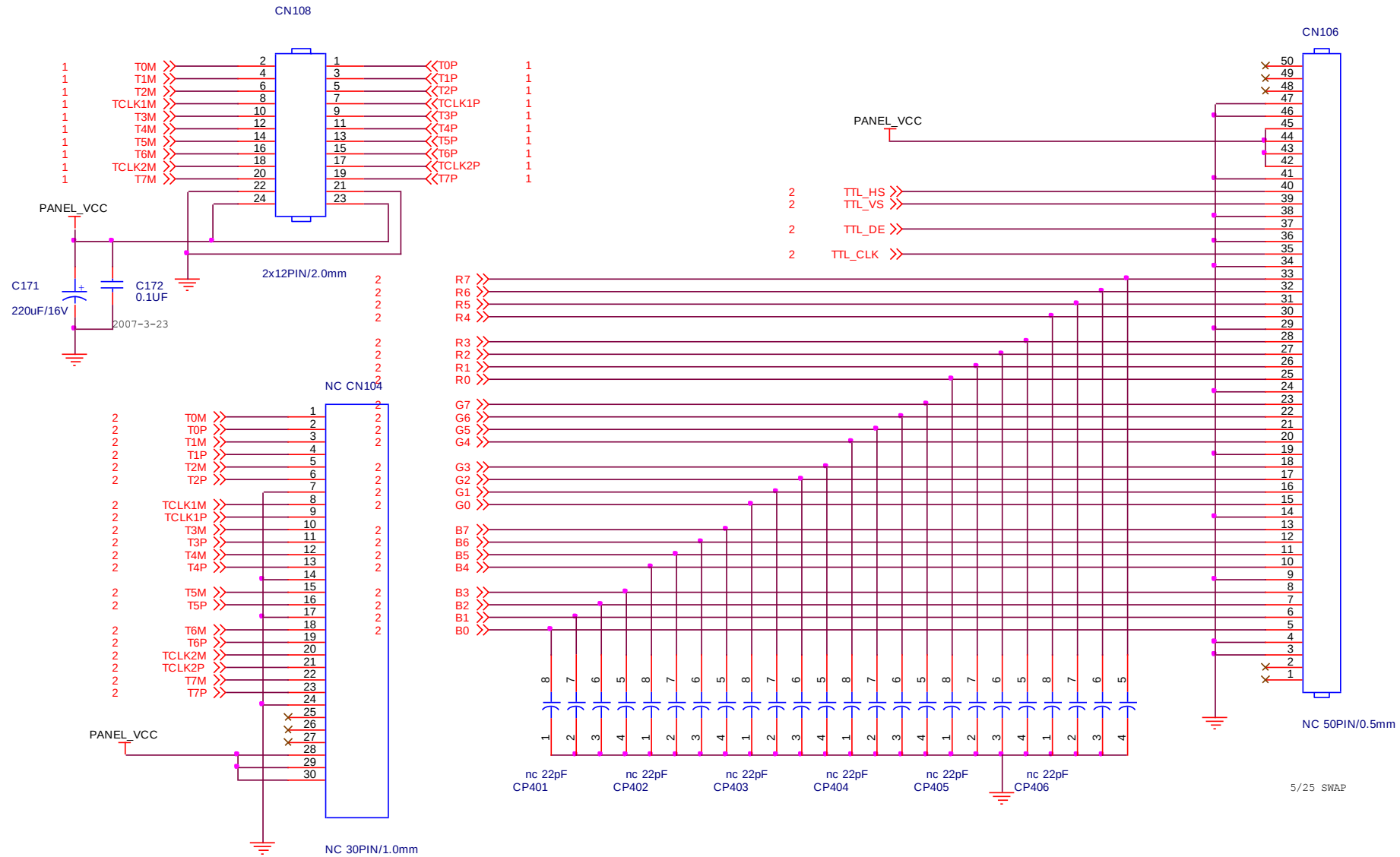




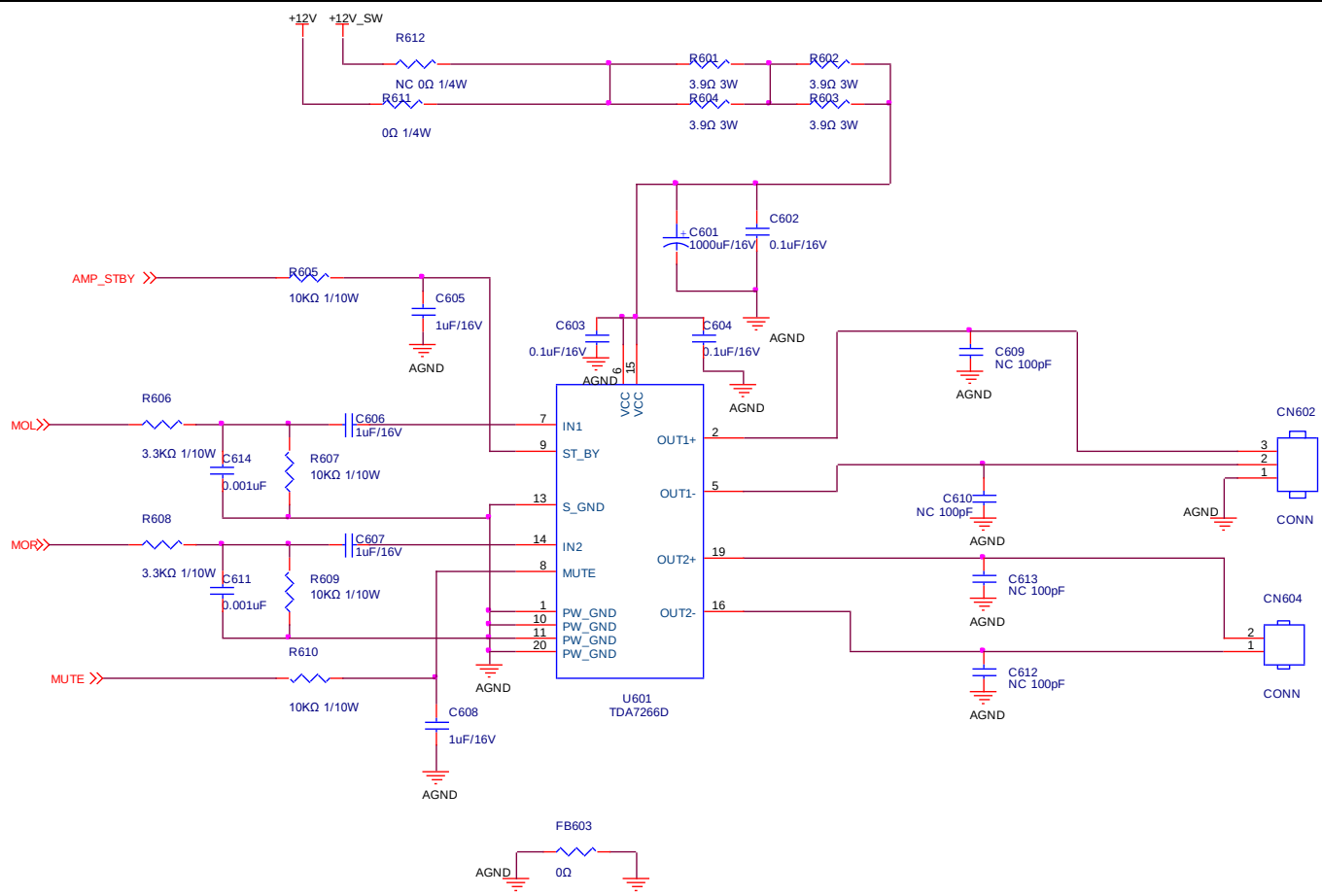
T P V (Top Victory Electronics Co. , Ltd.)		OEM MODEL	HLCD-22ZT4	Size	A4
結隔瓜細腹	T2448-1-2-X-4-070718	TPV MODEL	E227ANNSBWACN	Rev	0.4
Key Component	09. IIC Switch	PCB NAME	715T2448-1-2	称爹	<称爹>
Date	Thursday , July 19, 2007	Sheet	09 of 12		



T P V (Top Victory Electronics Co . , Ltd.)	OEM MODEL	HLCD-22ZT4	Size	A
結隔瓜細腹	T2448-1-2-X-4-070718	TPV MODEL	E227ANNSBWACN	Rev
Key Component	10 . CONNECTOR	PCB NAME	715T2448-1-2	0.4
Date	Thursday, July 19, 2007	Sheet	10 of 12	称爹 <称爹>



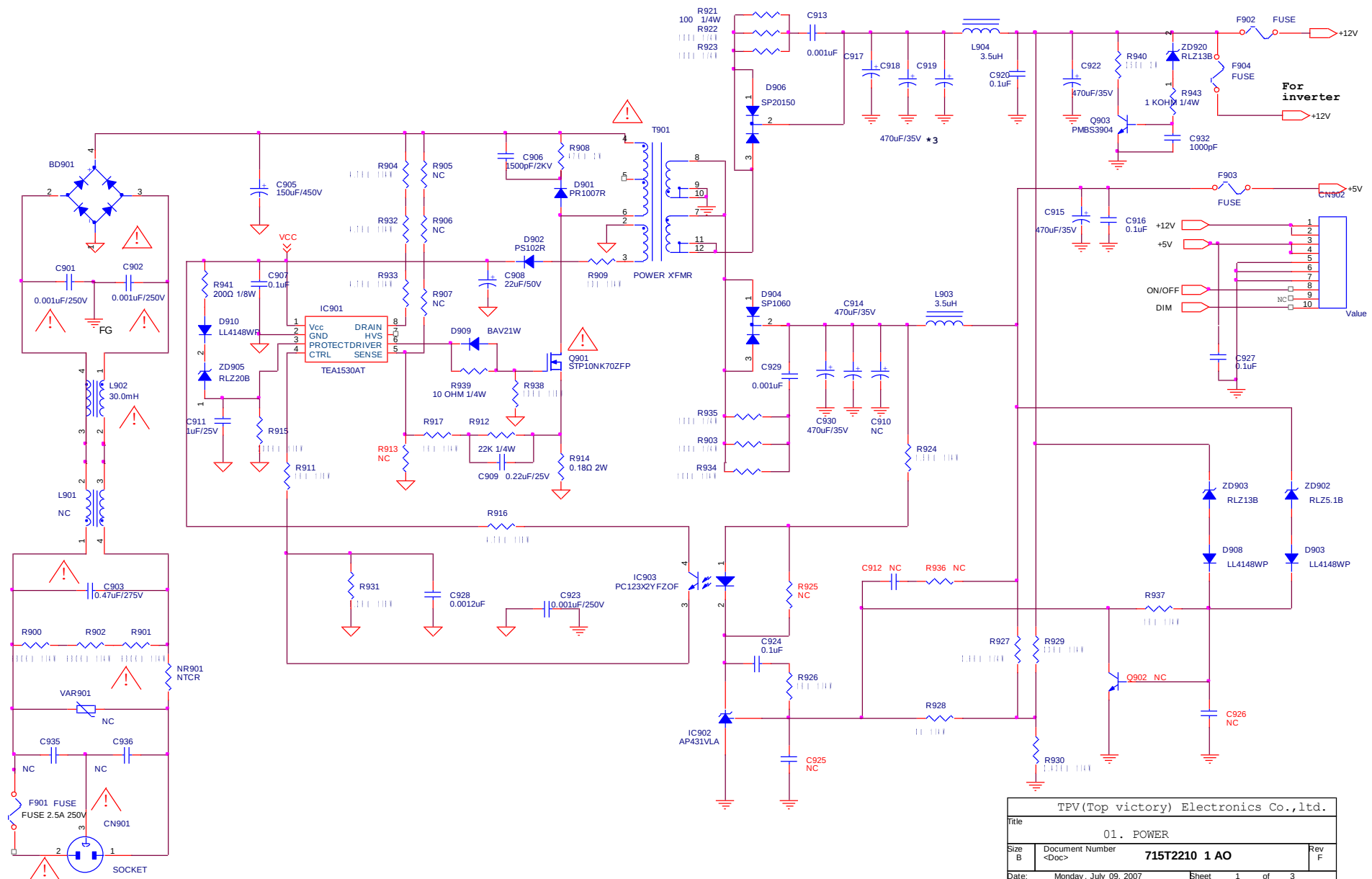
T P V (Top Victory Electronics Co. , Ltd.)	OEM MODEL	HLCD-22ZT4	Size	A4
結構隔網膜	T2448-1-2-X-4-070718	TPV MODEL	E227ANNSBWACN	Rev
Key Component	11. PANEL Output	PCB NAME	715T2448-1-2	称夢
Date	Thursday, July 19, 2007	Sheet	11 of 12	<称夢>



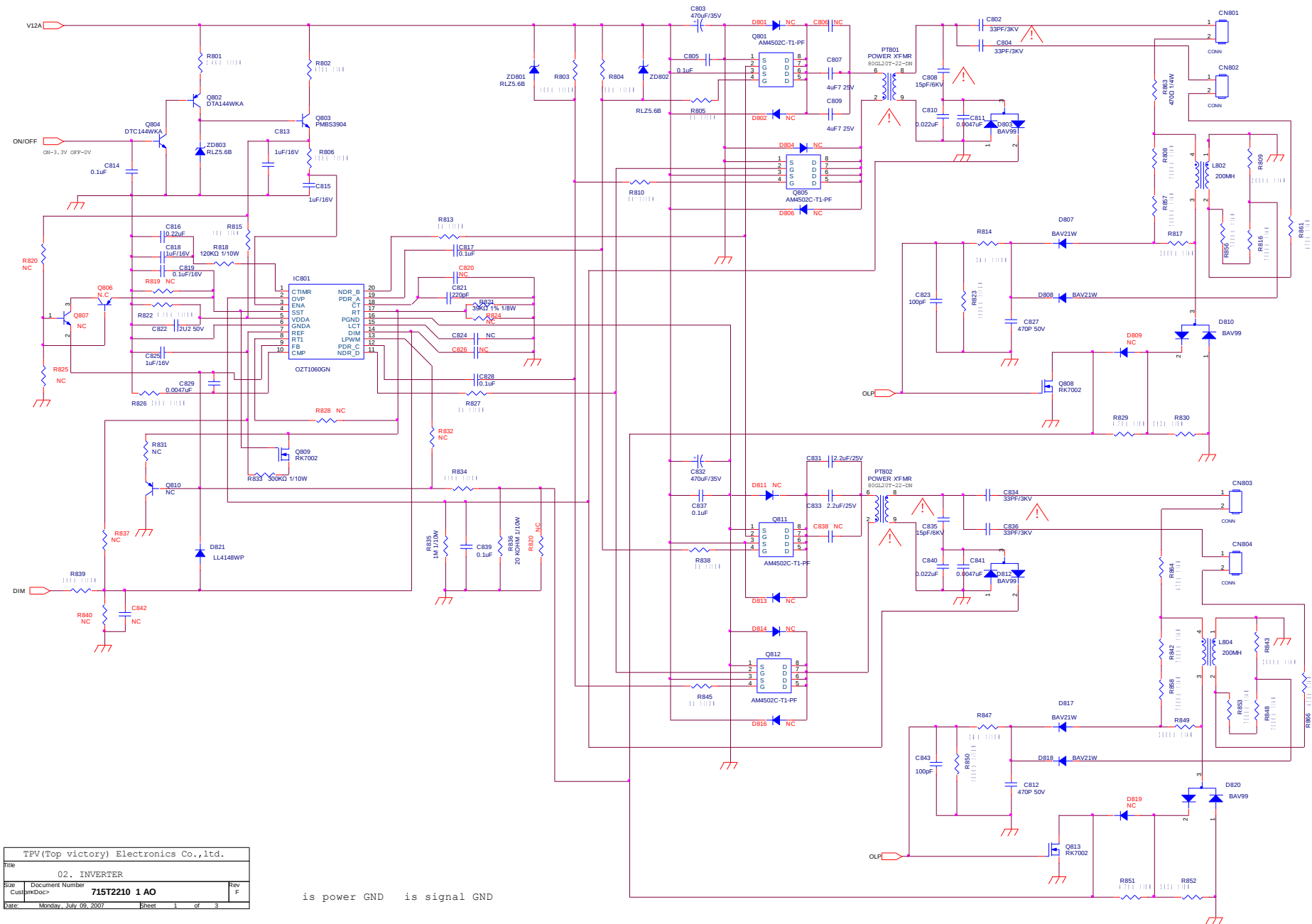
T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL	HLCD-22ZT4	Size	A3
結構圖編號	T2448-1-2-X-4-070718	TPV MODEL	E227ANNSBWACN	Rev	0.4
Key Component	12. Audio Amp	PCB NAME	715T2448-1-2	稱號	<稱號>
Date	Thursday, July 19, 2007	Sheet	12 of 12		

9.2 Power Board

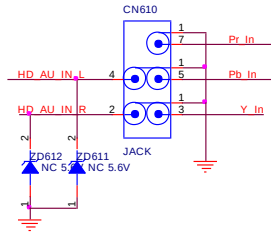
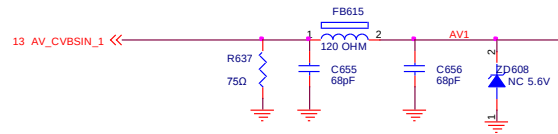
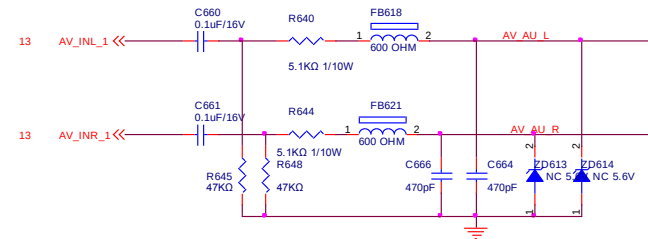
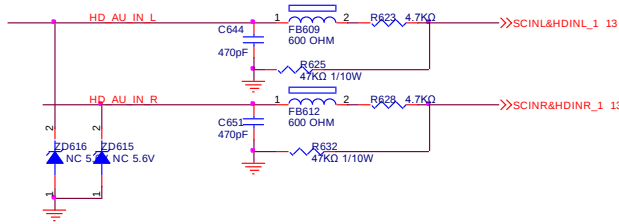
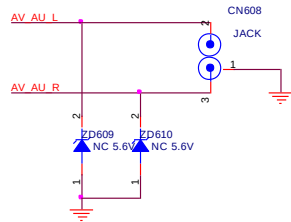
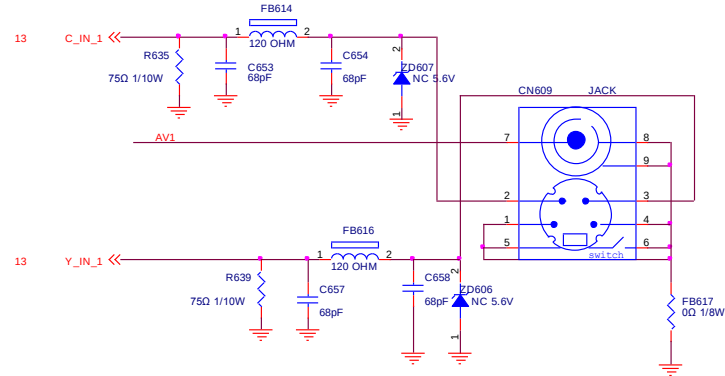
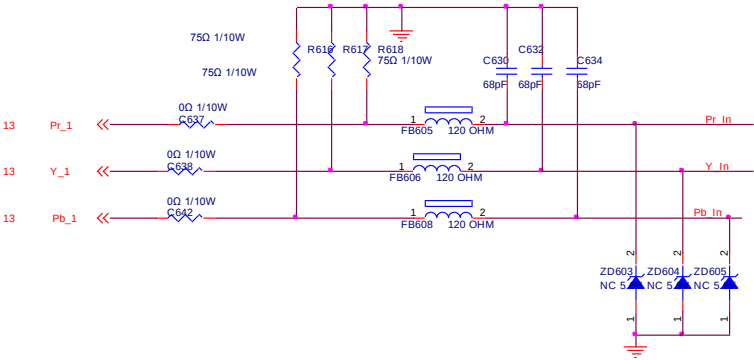
715T2210-1



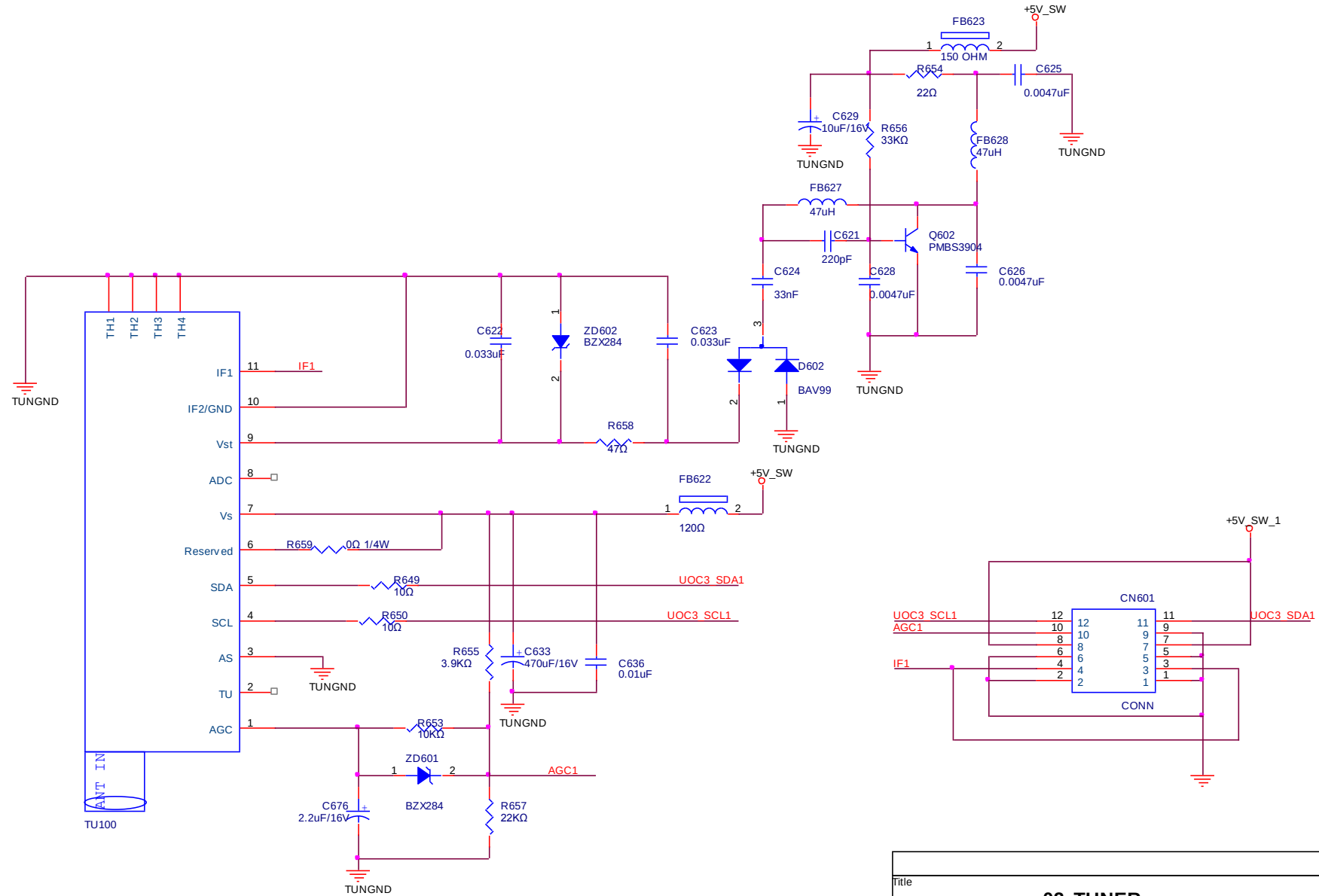
TPV(Top victory) Electronics Co.,Ltd.		
Title	01. POWER	
Size B	Document Number	Rev F
	715T2210 1 AO	
Date:	Monday, July 09, 2007	Sheet 1 of 3



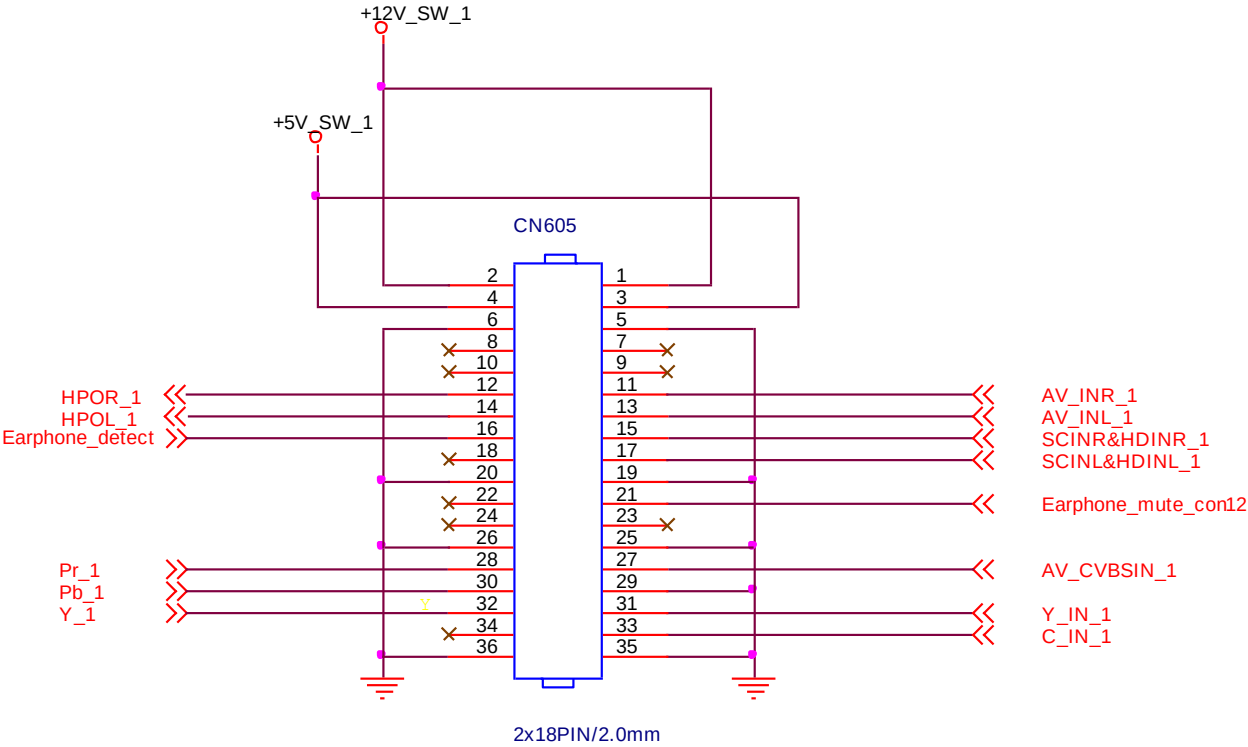
9.3 Tuner Board
715T2449-2



Title		
12. AV I/O Connect		
Size	Document Number	Rev
A3	715T2449 2	C
Date:	Friday, May 04, 2007	Sheet 13 of 16



Title			
02. TUNER			
Size A4	Document Number 715T2449 2		Rev 0.2
Date:	Friday, May 04, 2007	Sheet	3 of 5



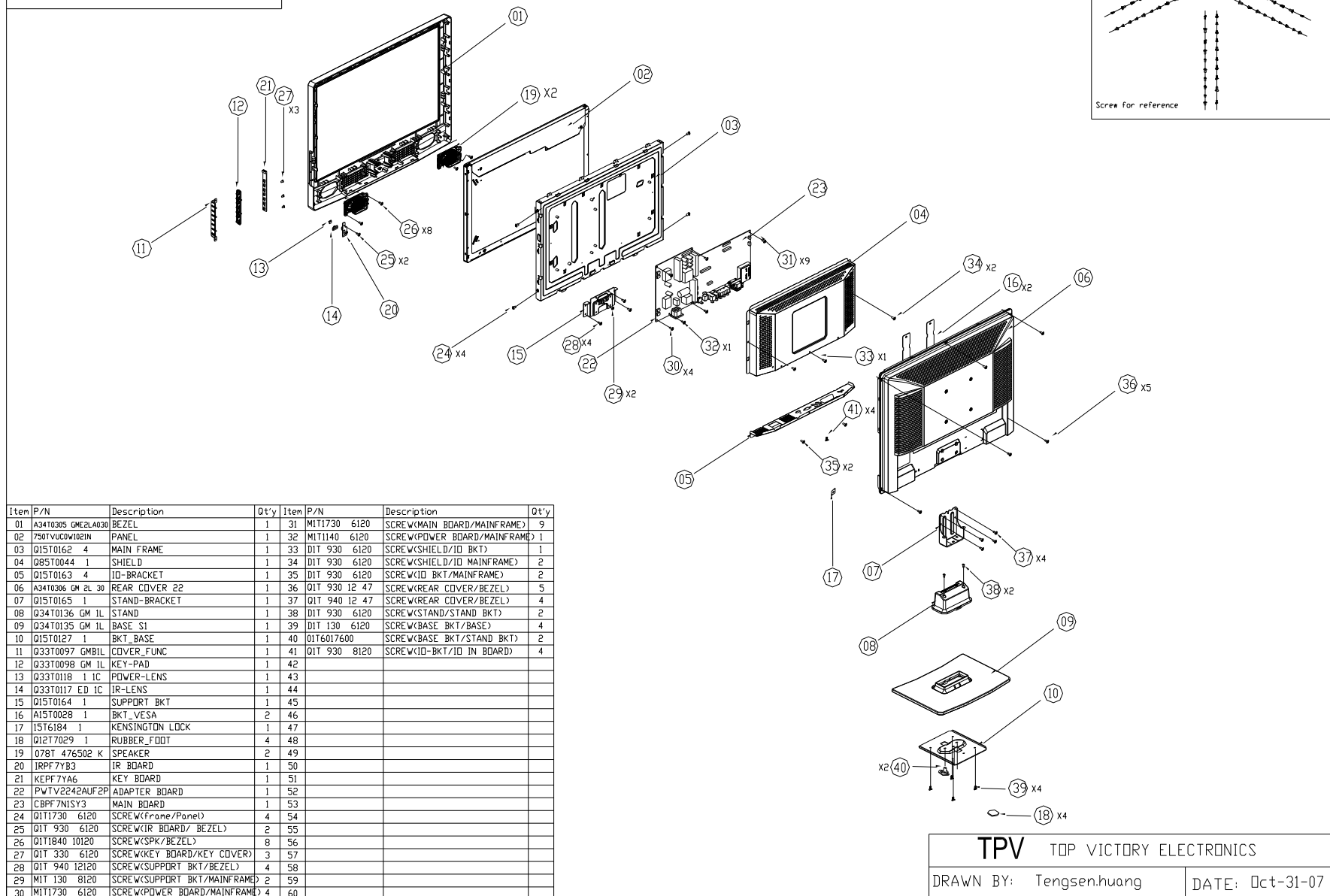
Title		
03. CONNECTOR		
Size A	Document Number 715T2449 2	Rev 0.2
Date:	Friday, May 04, 2007	Sheet 4 of 5



Title			
04. Earphone			
Size A4	Document Number 715T2449 2		Rev 0.2
Date:	Friday, May 04, 2007	Sheet	5 of 5

10. Exploded View

Model: TV22W-7A2-1



11. BOM List

E227ANNSBWH5NN

Location	Part No.	Description
	026T 800504 3	BARCODE LABEL
	040G 581 26704	SHIPPING LABEL
	040T 58162435A	LABEL
	041T 68508 A	CONTROL CARD
	044T6002709 3A	PAPER BOARD
	044T9003214	CORNER PAPER
	045T 77 3	PE PACKING
	049T 51 1A	ERADICATOR
	050T 500 1	CABLE TIE
	050T 600 2	HANDLE1
	050T 600 3	HANDLE2
	052T 1185	MIDDLE TAPE FOR CARTON
	052T 1186	SMALL TAPE
	052T 2191 A	TAPE
	052T6019 1	YELLOW TAPE
	078T 476502 K	SPK 8OHM 5W KUAIDA
E08904	089T 17356C553	AUDIO CABLE
	089T 725GAA DB	D-SUB
	089T408A18N IS	POWER CORD WALL-OUT FOR ITALY
	092TB1JX1A31GF	BATTERY
	095T8014 2X541	WIRE HARNESS
	095T8014 3X560	WIRE HARNESS
	095T8014 8X692	WIRE HARNESS 8P-5P(490MM)+4P(450MM)
	095T8018 3D624	LVDS CABLE
	098TRASW1NEHDF	REMOTE CONTROL
	0D1T 930 6120	SCREW
	0D1T 930 6120	SCREW
	0M1T 130 8120	SCREW
	0M1T1140 6120	SCREW 4*6MM
	0M1T1730 6120	SCREW 3*6MM
	0M1T1730 6120	SCREW 3*6MM
	0M1T1730 6120	SCREW 3*6MM
	0Q1T 930 6120	SCREW
	0Q1T 930 8120	SCREW
	0Q1T 930 8120	SCREW
	0Q1T 930 8120	SCREW
	0Q1T 930 12 47 CR3	SCREW
	0Q1T 940 12 47 CR3	T4X12 SCREW

	0Q1T 940 12120	SCREW
	0Q1T1840 10120	SCREW
	705TQ733011	PLASTIC ASS'Y
	0Q1T 330 6120	SCREW
	Q33T0097 GMB1L 30	COVER_FUNC
	Q33T0098 GM 1L	KEY PAD
	705TQ734091	STAND ASS'Y
	0D1T 930 6120	SCREW
	0Q1T 130 8120	SCREW
	Q12T7029 1	RUBBER FOOT
	Q15T0127 1	BKT_BASE
	Q15T0165 1	STAND BKT
	Q34T0135 GM 1L 33	BASE S1
	Q34T0136 GM 1L	STAND
	705TQ734330	REAR COVER ASS'Y
	044T3121510506	SPONGE
	A15T0028 1	BACKET
	A34T0306 GM 2L 30	REAR COVER 22
	Q44T3121510548	PU FOAM
	Q44T3121510551	PU FOAM
	705TQ734382	BEZEL ASS'Y
	A34T0305 GME2LA030	BEZEL TV22W-7A2
	KEPF7YA6	KEY BOARD
CN01	033T3802 4B YH W	WAFER
SW01	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW05	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW06	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW07	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW03	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW04	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW02	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
R05	061T0603000	CHIP 0OHM 1/16W
R08	061T0603100 2F	RST CHIPR 10KOHM +-1% 1/10W
R06	061T0603270 1F	RST CHIPR 2.7 KOHM +-1% 1/10W
R07	061T0603470 1F	CHIP 4.7K OHM 1/16W 1%
R09	061T0603470 2F	RST CHIPR 47 KOHM +-1% 1/10W
J02	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
J01	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
ZD04	093T 39S 34 T	UDZSNP5.6B ROHM
ZD03	093T 39S 34 T	UDZSNP5.6B ROHM
ZD01	093T 39S 34 T	UDZSNP5.6B ROHM
	715T2489 1	KEY-BOARD PCB

	Q33T0117 ED 1C	IR LENS
	Q33T0118 1 1C	POWER LENS
	750TVUC0W1021N	PANEL M220EW01 V00A TW AUO
	CBPF7N1SY3	MAIN BOARD
CN110	033T327810D	CONNECTOR
CN604	033T3802 2H	WAFER 2P RIGHT ANGLE
CN602	033T3802 3H	WAFER 3P RIGHT ANGLE
CN103	033T3802 8B YH	CONNECTOR 8PIN 2.0PITCH
CN105	033T801712A BH	WAFER
CN107	033T801736A BH	WAFER
CN108	033T8027 24	CONN W TO B 12P*2 P*2.0 4504-2
	040T 45762412B	CBPC LABEL
U205	053T 40504	TPSRA4M50B00-B0
U203	056T 665505 HD	IC VF45A3D HAODA
U204	056T 665506 HD	IC AF45A3D HAODA
R601	061T153M399 59	3.9 OHM+-5% 3W
R602	061T153M399 59	3.9 OHM+-5% 3W
R603	061T153M399 59	3.9 OHM+-5% 3W
R604	061T153M399 59	3.9 OHM+-5% 3W
C601	067T215H102 3R	1000UF 16V FOR ROBYCON
L201	073T 5556810T	0.56UH +-10%
L203	073T 5556810T	0.56UH +-10%
L202	073T 5568910T	6.8UH+-10%
L101	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03
L102	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03
CN112	088T 30214K	PHONE JACK
CN109	088T 35315F H	DB15 RIGHT ANGLE FEMALE
	090T6119 2	HEAT SINK
X301	093T 22 64	27MHZ/30PF/49US
X401	093T 2251B J	NXS12.000AC30F-BT-2
X201	093T 2258B J	24.576MHZ/20PF/49US
C123	067T 305100 7T	10UF
C131	067T 305100 7T	10UF
C142	067T 305100 7T	10UF
C143	067T 305100 7T	10UF
C144	067T 305100 7T	10UF
C146	067T 305100 7T	10UF
C148	067T 305100 7T	10UF
C151	067T 305100 7T	10UF
C188	067T 305100 7T	10UF
C214	067T 305100 7T	10UF
C234	067T 305100 7T	10UF

C270	067T 305100 7T	10UF
C299	067T 305100 7T	10UF
C303	067T 305100 7T	10UF
C359	067T 305100 7T	10UF
C363	067T 305100 7T	10UF
C365	067T 305100 7T	10UF
C366	067T 305100 7T	10UF
C412	067T 305100 7T	10UF
C615	067T 305100 7T	10UF
C103	067T 305101 3T	100UF 16V 105C
C106	067T 305101 3T	100UF 16V 105C
C110	067T 305101 3T	100UF 16V 105C
C122	067T 305101 3T	100UF 16V 105C
C125	067T 305101 3T	100UF 16V 105C
C189	067T 305101 3T	100UF 16V 105C
C191	067T 305101 3T	100UF 16V 105C
C206	067T 305101 3T	100UF 16V 105C
C210	067T 305101 3T	100UF 16V 105C
C259	067T 305101 3T	100UF 16V 105C
C274	067T 305101 3T	100UF 16V 105C
C279	067T 305101 3T	100UF 16V 105C
C285	067T 305101 3T	100UF 16V 105C
C293	067T 305101 3T	100UF 16V 105C
C318	067T 305101 3T	100UF 16V 105C
C335	067T 305101 3T	100UF 16V 105C
C413	067T 305101 3T	100UF 16V 105C
C416	067T 305101 3T	100UF 16V 105C
C438	067T 305101 3T	100UF 16V 105C
C439	067T 305101 3T	100UF 16V 105C
C440	067T 305101 3T	100UF 16V 105C
C171	067T 305221 3T	220UF/16V
C422	067T 305470 3T	EC 105°C 47UF M 16V
	040T 457624 1B	CPU LABEL
U110	056T 133 30AAC	IC AZ1117H-ADJ-E1
U601	056T 535 3	IC TDA7266D13TR
U401	056T 562541	IC NT68565HFG/G QFP-128 NOVATEK
U101	056T 563 7	AIC1084-33PM TO-263 AIC
U105	056T 563 25	AIC1084-33PE
U103	056T 563 25	AIC1084-33PE
U102	056T 563 27	AIC1117A-18PY SOT223 AIC
U201	056T 575501	IC TDA15011H/N1C00 PHILIPS
U111	056T 614 5	IC CD4052BCMX SOIC-16 FAIRCHILD

U107	056T 634 2 1	PI5V330SSQE PERICOMQSOP-16
U301	056T 634502	IC HDMI CAT6011 CAT
U306	056T 638601	CS4344-CZZ
U402	056T1125177APN	NT68F631ALG PLCC-44
U108	056T1133 34	M24C02-WMN6TP
U302	056T1133 34	M24C02-WMN6TP
U403	056T113356A	24LC16BT/SN SOIC-8PI
U202	056T113356A	24LC16BT/SN SOIC-8PI
U109	056T4LCX 14 PH	IC 74LVC14APW PHILIPS
Q102	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q103	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q104	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q502	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q402	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q401	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q205	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q204	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q203	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q202	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q117	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q107	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q108	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q109	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q110	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q111	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q112	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q113	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q114	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q601	057T 417 6	PMBS3906/PHILIPS-SMT
Q602	057T 417 6	PMBS3906/PHILIPS-SMT
Q115	057T 417 13 T	2N3906S-RTK/PS SOT23 KEC
Q116	057T 417 13 T	2N3906S-RTK/PS SOT23 KEC
Q105	057T 763 1	A03401L SOT23 BY AOS
Q101	057T 763 3	AO4411L SO-8 BY AOS SMT
Q106	057T 763 3	AO4411L SO-8 BY AOS SMT
R251	061T0603000	CHIP 0OHM 1/16W
R260	061T0603000	CHIP 0OHM 1/16W
R262	061T0603000	CHIP 0OHM 1/16W
R269	061T0603000	CHIP 0OHM 1/16W
R276	061T0603000	CHIP 0OHM 1/16W
R277	061T0603000	CHIP 0OHM 1/16W
R278	061T0603000	CHIP 0OHM 1/16W

R311	061T0603000	CHIP 00HM 1/16W
R312	061T0603000	CHIP 00HM 1/16W
R339	061T0603000	CHIP 00HM 1/16W
R342	061T0603000	CHIP 00HM 1/16W
R416	061T0603000	CHIP 00HM 1/16W
R131	061T0603000	CHIP 00HM 1/16W
R132	061T0603000	CHIP 00HM 1/16W
R133	061T0603000	CHIP 00HM 1/16W
R134	061T0603000	CHIP 00HM 1/16W
R135	061T0603000	CHIP 00HM 1/16W
R136	061T0603000	CHIP 00HM 1/16W
R191	061T0603000	CHIP 00HM 1/16W
R192	061T0603000	CHIP 00HM 1/16W
R193	061T0603000	CHIP 00HM 1/16W
R212	061T0603000	CHIP 00HM 1/16W
R213	061T0603000	CHIP 00HM 1/16W
R250	061T0603000	CHIP 00HM 1/16W
R205	061T0603100	CHIP 100HM 1/16W
R256	061T0603100	CHIP 100HM 1/16W
R257	061T0603100	CHIP 100HM 1/16W
R283	061T0603101	CHIP 1000HM 1/16W
R289	061T0603101	CHIP 1000HM 1/16W
R302	061T0603101	CHIP 1000HM 1/16W
R303	061T0603101	CHIP 1000HM 1/16W
R338	061T0603101	CHIP 1000HM 1/16W
R402	061T0603101	CHIP 1000HM 1/16W
R403	061T0603101	CHIP 1000HM 1/16W
R404	061T0603101	CHIP 1000HM 1/16W
R407	061T0603101	CHIP 1000HM 1/16W
R282	061T0603101	CHIP 1000HM 1/16W
R230	061T0603101	CHIP 1000HM 1/16W
R236	061T0603101	CHIP 1000HM 1/16W
R240	061T0603101	CHIP 1000HM 1/16W
R241	061T0603101	CHIP 1000HM 1/16W
R242	061T0603101	CHIP 1000HM 1/16W
R246	061T0603101	CHIP 1000HM 1/16W
R252	061T0603101	CHIP 1000HM 1/16W
R253	061T0603101	CHIP 1000HM 1/16W
R261	061T0603101	CHIP 1000HM 1/16W
R273	061T0603101	CHIP 1000HM 1/16W
R280	061T0603101	CHIP 1000HM 1/16W
R281	061T0603101	CHIP 1000HM 1/16W

R671	061T0603101	CHIP 100OHM 1/16W
R428	061T0603101	CHIP 100OHM 1/16W
R427	061T0603101	CHIP 100OHM 1/16W
R426	061T0603101	CHIP 100OHM 1/16W
R423	061T0603101	CHIP 100OHM 1/16W
R421	061T0603101	CHIP 100OHM 1/16W
R420	061T0603101	CHIP 100OHM 1/16W
R413	061T0603101	CHIP 100OHM 1/16W
R412	061T0603101	CHIP 100OHM 1/16W
R411	061T0603101	CHIP 100OHM 1/16W
R410	061T0603101	CHIP 100OHM 1/16W
R409	061T0603101	CHIP 100OHM 1/16W
R408	061T0603101	CHIP 100OHM 1/16W
R432	061T0603101	CHIP 100OHM 1/16W
R501	061T0603101	CHIP 100OHM 1/16W
R458	061T0603101	CHIP 100OHM 1/16W
R457	061T0603101	CHIP 100OHM 1/16W
R456	061T0603101	CHIP 100OHM 1/16W
R453	061T0603101	CHIP 100OHM 1/16W
R452	061T0603101	CHIP 100OHM 1/16W
R442	061T0603101	CHIP 100OHM 1/16W
R441	061T0603101	CHIP 100OHM 1/16W
R438	061T0603101	CHIP 100OHM 1/16W
R437	061T0603101	CHIP 100OHM 1/16W
R436	061T0603101	CHIP 100OHM 1/16W
R433	061T0603101	CHIP 100OHM 1/16W
R117	061T0603101	CHIP 100OHM 1/16W
R121	061T0603101	CHIP 100OHM 1/16W
R124	061T0603101	CHIP 100OHM 1/16W
R167	061T0603101	CHIP 100OHM 1/16W
R168	061T0603101	CHIP 100OHM 1/16W
R169	061T0603101	CHIP 100OHM 1/16W
R174	061T0603101	CHIP 100OHM 1/16W
R178	061T0603101	CHIP 100OHM 1/16W
R180	061T0603101	CHIP 100OHM 1/16W
R183	061T0603101	CHIP 100OHM 1/16W
R200	061T0603101	CHIP 100OHM 1/16W
R229	061T0603101	CHIP 100OHM 1/16W
R228	061T0603101	CHIP 100OHM 1/16W
R227	061T0603101	CHIP 100OHM 1/16W
R226	061T0603101	CHIP 100OHM 1/16W
R225	061T0603101	CHIP 100OHM 1/16W

R224	061T0603101	CHIP 100OHM 1/16W
R223	061T0603101	CHIP 100OHM 1/16W
R218	061T0603101	CHIP 100OHM 1/16W
R216	061T0603101	CHIP 100OHM 1/16W
R215	061T0603101	CHIP 100OHM 1/16W
R201	061T0603101	CHIP 100OHM 1/16W
R175	061T0603102	CHIP 1K OHM 1/16W
R285	061T0603102	CHIP 1K OHM 1/16W
R307	061T0603102	CHIP 1K OHM 1/16W
R417	061T0603102	CHIP 1K OHM 1/16W
R419	061T0603102	CHIP 1K OHM 1/16W
R439	061T0603102	CHIP 1K OHM 1/16W
R450	061T0603102	CHIP 1K OHM 1/16W
R451	061T0603102	CHIP 1K OHM 1/16W
R672	061T0603102	CHIP 1K OHM 1/16W
R148	061T0603103	CHIP 10KOHM 1/16W
R146	061T0603103	CHIP 10KOHM 1/16W
R144	061T0603103	CHIP 10KOHM 1/16W
R130	061T0603103	CHIP 10KOHM 1/16W
R129	061T0603103	CHIP 10KOHM 1/16W
R128	061T0603103	CHIP 10KOHM 1/16W
R127	061T0603103	CHIP 10KOHM 1/16W
R126	061T0603103	CHIP 10KOHM 1/16W
R125	061T0603103	CHIP 10KOHM 1/16W
R454	061T0603103	CHIP 10KOHM 1/16W
R443	061T0603103	CHIP 10KOHM 1/16W
R435	061T0603103	CHIP 10KOHM 1/16W
R422	061T0603103	CHIP 10KOHM 1/16W
R418	061T0603103	CHIP 10KOHM 1/16W
R414	061T0603103	CHIP 10KOHM 1/16W
R332	061T0603103	CHIP 10KOHM 1/16W
R331	061T0603103	CHIP 10KOHM 1/16W
R274	061T0603103	CHIP 10KOHM 1/16W
R221	061T0603103	CHIP 10KOHM 1/16W
R219	061T0603103	CHIP 10KOHM 1/16W
R214	061T0603103	CHIP 10KOHM 1/16W
R211	061T0603103	CHIP 10KOHM 1/16W
R204	061T0603103	CHIP 10KOHM 1/16W
R166	061T0603103	CHIP 10KOHM 1/16W
R156	061T0603103	CHIP 10KOHM 1/16W
R155	061T0603103	CHIP 10KOHM 1/16W
R149	061T0603103	CHIP 10KOHM 1/16W

R106	061T0603103	CHIP 10KOHM 1/16W
R105	061T0603103	CHIP 10KOHM 1/16W
R503	061T0603103	CHIP 10KOHM 1/16W
R605	061T0603103	CHIP 10KOHM 1/16W
R607	061T0603103	CHIP 10KOHM 1/16W
R609	061T0603103	CHIP 10KOHM 1/16W
R610	061T0603103	CHIP 10KOHM 1/16W
R673	061T0603103	CHIP 10KOHM 1/16W
R674	061T0603103	CHIP 10KOHM 1/16W
R104	061T0603104	CHIP 100K OHM 1/16W
R210	061T0603104	CHIP 100K OHM 1/16W
R431	061T0603105	CHIP 1MOHM 1/16W
R328	061T0603105	CHIP 1MOHM 1/16W
R207	061T0603105	CHIP 1MOHM 1/16W
R270	061T0603122	RST CHIPR 1.2 KOHM +-5% 1/10W
R669	061T0603122	RST CHIPR 1.2 KOHM +-5% 1/10W
R272	061T0603122	RST CHIPR 1.2 KOHM +-5% 1/10W
R271	061T0603122	RST CHIPR 1.2 KOHM +-5% 1/10W
R202	061T0603123	RST CHIPR 12 KOHM +-5% 1/10W
R101	061T0603123	RST CHIPR 12 KOHM +-5% 1/10W
R284	061T0603151	RST CHIPR 150 OHM +-5% 1/10W
R329	061T0603152	CHIP 1.5KOHM 1/16W
R279	061T0603152	CHIP 1.5KOHM 1/16W
R108	061T0603153	RST CHIPR 15 KOHM +-5% 1/10W
R109	061T0603153	RST CHIPR 15 KOHM +-5% 1/10W
R145	061T0603153	RST CHIPR 15 KOHM +-5% 1/10W
R147	061T0603153	RST CHIPR 15 KOHM +-5% 1/10W
R249	061T0603153	RST CHIPR 15 KOHM +-5% 1/10W
R405	061T0603220	CHIP 22OHM 1/16W
R344	061T0603220	CHIP 22OHM 1/16W
R327	061T0603220	CHIP 22OHM 1/16W
R326	061T0603220	CHIP 22OHM 1/16W
R324	061T0603220	CHIP 22OHM 1/16W
R323	061T0603220	CHIP 22OHM 1/16W
R322	061T0603220	CHIP 22OHM 1/16W
R321	061T0603220	CHIP 22OHM 1/16W
R181	061T0603222	CHIP 2.2K OHM 1/16W
R185	061T0603222	CHIP 2.2K OHM 1/16W
R110	061T0603223	CHIP 22KOHM 1/16W
R111	061T0603223	CHIP 22KOHM 1/16W
R114	061T0603223	CHIP 22KOHM 1/16W
R306	061T0603223	CHIP 22KOHM 1/16W

R502	061T0603223	CHIP 22KOHM 1/16W
R234	061T0603273	RST CHIPR 27 KOHM +-5% 1/10W
R330	061T0603302	CHIP 3K OHM 5% 1/16
R670	061T0603302	CHIP 3K OHM 5% 1/16
R608	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R606	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R259	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R258	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R254	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R113	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R112	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R401	061T0603390 0F	RST CHIPR 390 OHM +-1% 1/10W
R217	061T0603391	RST CHIPR 390 OHM +-5% 1/10W
R208	061T0603393	RST CHIPR 39 KOHM +-5% 1/10W
R118	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R170	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R504	061T0603472	CHIP 4.7KOHM 1/16W
R461	061T0603472	CHIP 4.7KOHM 1/16W
R460	061T0603472	CHIP 4.7KOHM 1/16W
R430	061T0603472	CHIP 4.7KOHM 1/16W
R429	061T0603472	CHIP 4.7KOHM 1/16W
R325	061T0603472	CHIP 4.7KOHM 1/16W
R320	061T0603472	CHIP 4.7KOHM 1/16W
R305	061T0603472	CHIP 4.7KOHM 1/16W
R304	061T0603472	CHIP 4.7KOHM 1/16W
R301	061T0603472	CHIP 4.7KOHM 1/16W
R235	061T0603472	CHIP 4.7KOHM 1/16W
R198	061T0603472	CHIP 4.7KOHM 1/16W
R179	061T0603472	CHIP 4.7KOHM 1/16W
R173	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
R137	061T0603472	CHIP 4.7KOHM 1/16W
R455	061T0603473	CHIP 47KOHM 1/16W
R415	061T0603473	CHIP 47KOHM 1/16W
R275	061T0603473	CHIP 47KOHM 1/16W
R203	061T0603473	CHIP 47KOHM 1/16W
R103	061T0603473	CHIP 47KOHM 1/16W
R310	061T0603500 0F	RST CHIPR 500 OHM +-1% 1/10W

R343	061T0603563	RST CHIPR 56 KOHM +-5% 1/10W
R668	061T0603622	RST CHIPR 6.2 KOHM +-5% 1/10W
R209	061T0603681	RST CHIPR 680 OHM +-5% 1/10W
R122	061T0603750	75OHM
R119	061T0603750	75OHM
R115	061T0603750	75OHM
R171	061T0603750	75OHM
R172	061T0603750	75OHM
R190	061T0603750	75OHM
R189	061T0603750	75OHM
R188	061T0603750	75OHM
R187	061T0603750	75OHM
R177	061T0603750	75OHM
R176	061T0603750	75OHM
R143	061T0603750	75OHM
R152	061T0603750	75OHM
R165	061T0603750	75OHM
R164	061T0603750	75OHM
R611	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
FB603	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
FB121	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
FB105	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R150	061T1206229	RST CHIPR 2.2 OHM +-5% 1/4W
R151	061T1206229	RST CHIPR 2.2 OHM +-5% 1/4W
R153	061T1206229	RST CHIPR 2.2 OHM +-5% 1/4W
R154	061T1206229	RST CHIPR 2.2 OHM +-5% 1/4W
C157	065T0402101 31	MLCC 0402 100PF J 50V NPO
C181	065T0402101 31	MLCC 0402 100PF J 50V NPO
C185	065T0402101 31	MLCC 0402 100PF J 50V NPO
C187	065T0402101 31	MLCC 0402 100PF J 50V NPO
C246	065T0402101 31	MLCC 0402 100PF J 50V NPO
C307	065T0402101 31	MLCC 0402 100PF J 50V NPO
C415	065T0402101 31	MLCC 0402 100PF J 50V NPO
C429	065T0402101 31	MLCC 0402 100PF J 50V NPO
C153	065T0402101 31	MLCC 0402 100PF J 50V NPO
C155	065T0402101 31	MLCC 0402 100PF J 50V NPO
C338	065T0402102 32	1000PF +-10% 50V X7R
C323	065T0402102 32	1000PF +-10% 50V X7R
C321	065T0402102 32	1000PF +-10% 50V X7R
C316	065T0402102 32	1000PF +-10% 50V X7R
C313	065T0402102 32	1000PF +-10% 50V X7R
C271	065T0402102 32	1000PF +-10% 50V X7R

C176	065T0402102 32	1000PF +-10% 50V X7R
C170	065T0402102 32	1000PF +-10% 50V X7R
C169	065T0402102 32	1000PF +-10% 50V X7R
C137	065T0402102 32	1000PF +-10% 50V X7R
C358	065T0402102 32	1000PF +-10% 50V X7R
C352	065T0402102 32	1000PF +-10% 50V X7R
C357	065T0402102 32	1000PF +-10% 50V X7R
C339	065T0402102 32	1000PF +-10% 50V X7R
C220	065T0402103 32	MLCC 0402 10NF K 50V X7R
C252	065T0402103 32	MLCC 0402 10NF K 50V X7R
C300	065T0402103 32	MLCC 0402 10NF K 50V X7R
C368	065T0402103 32	MLCC 0402 10NF K 50V X7R
C319	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C320	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C322	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C325	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C326	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C327	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C328	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C329	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C330	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C331	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C332	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C336	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C340	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C341	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C342	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C343	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C282	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C283	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C284	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C287	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C290	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C291	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C294	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C296	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C298	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C301	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C304	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C305	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C306	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C308	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R

C312	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C315	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C405	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C406	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C407	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C408	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C409	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C411	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C414	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C418	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C419	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C423	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C432	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C433	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C434	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C435	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C436	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C501	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C345	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C346	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C347	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C348	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C349	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C350	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C351	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C355	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C356	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C361	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C362	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C364	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C401	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C402	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C403	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C404	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C203	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C202	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C186	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C184	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C182	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C175	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C172	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C132	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R

C126	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C124	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C119	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C116	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C111	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C108	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C107	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C105	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C104	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C102	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C101	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C280	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C278	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C276	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C269	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C267	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C262	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C261	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C260	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C251	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C245	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C205	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C207	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C216	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C217	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C218	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C231	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C235	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C236	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C240	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C117	065T040210427T	CAP 0402 0.1UF Z 25V Y5V TAIYO YUDEN
C121	065T040210427T	CAP 0402 0.1UF Z 25V Y5V TAIYO YUDEN
C112	065T0402105 A5	MLCC 0402 1UF K 10V X5R
C286	065T0402224 17	CAP CER 0.22UF -20%-80%
C288	065T0402224 17	CAP CER 0.22UF -20%-80%
C289	065T0402224 17	CAP CER 0.22UF -20%-80%
C292	065T0402224 17	CAP CER 0.22UF -20%-80%
C297	065T0402224 17	CAP CER 0.22UF -20%-80%
C367	065T0402224 17	CAP CER 0.22UF -20%-80%
C431	065T0402224 17	CAP CER 0.22UF -20%-80%
C281	065T0402224 17	CAP CER 0.22UF -20%-80%
C152	065T0402224 17	CAP CER 0.22UF -20%-80%

C190	065T0402224 17	CAP CER 0.22UF -20%-80%
C201	065T0402224 17	CAP CER 0.22UF -20%-80%
C213	065T0402224 17	CAP CER 0.22UF -20%-80%
C275	065T0402224 17	CAP CER 0.22UF -20%-80%
C277	065T0402224 17	CAP CER 0.22UF -20%-80%
C222	065T0402470 31	MLCC 0402 47PF J 50V NPO
C273	065T0402470 31	MLCC 0402 47PF J 50V NPO
C272	065T0402470 31	MLCC 0402 47PF J 50V NPO
C266	065T0402470 31	MLCC 0402 47PF J 50V NPO
C258	065T0402470 31	MLCC 0402 47PF J 50V NPO
C257	065T0402470 31	MLCC 0402 47PF J 50V NPO
C256	065T0402470 31	MLCC 0402 47PF J 50V NPO
C255	065T0402470 31	MLCC 0402 47PF J 50V NPO
C254	065T0402470 31	MLCC 0402 47PF J 50V NPO
C253	065T0402470 31	MLCC 0402 47PF J 50V NPO
C250	065T0402470 31	MLCC 0402 47PF J 50V NPO
C249	065T0402470 31	MLCC 0402 47PF J 50V NPO
C244	065T0402470 31	MLCC 0402 47PF J 50V NPO
C242	065T0402470 31	MLCC 0402 47PF J 50V NPO
C237	065T0402470 31	MLCC 0402 47PF J 50V NPO
C227	065T0402470 31	MLCC 0402 47PF J 50V NPO
C225	065T0402470 31	MLCC 0402 47PF J 50V NPO
C224	065T0402470 31	MLCC 0402 47PF J 50V NPO
C135	065T0402473 12	MLCC 0402 47NF K 16V X7R
C136	065T0402473 12	MLCC 0402 47NF K 16V X7R
C138	065T0402473 12	MLCC 0402 47NF K 16V X7R
C139	065T0402473 12	MLCC 0402 47NF K 16V X7R
C140	065T0402473 12	MLCC 0402 47NF K 16V X7R
C141	065T0402473 12	MLCC 0402 47NF K 16V X7R
C173	065T0402473 12	MLCC 0402 47NF K 16V X7R
C174	065T0402473 12	MLCC 0402 47NF K 16V X7R
C177	065T0402473 12	MLCC 0402 47NF K 16V X7R
C178	065T0402473 12	MLCC 0402 47NF K 16V X7R
C179	065T0402473 12	MLCC 0402 47NF K 16V X7R
C180	065T0402473 12	MLCC 0402 47NF K 16V X7R
C611	065T0603102 32	CHIP 1000PF 50V X7R
C614	065T0603102 32	CHIP 1000PF 50V X7R
C602	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C603	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C604	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C608	065T0603105 17	CHIP 1UF 16V Y5V
C607	065T0603105 17	CHIP 1UF 16V Y5V

C606	065T0603105 17	CHIP 1UF 16V Y5V
C605	065T0603105 17	CHIP 1UF 16V Y5V
C425	065T0603105 17	CHIP 1UF 16V Y5V
C309	065T0603105 17	CHIP 1UF 16V Y5V
C134	065T0603105 17	CHIP 1UF 16V Y5V
C115	065T0603105 17	CHIP 1UF 16V Y5V
C133	065T0603105 17	CHIP 1UF 16V Y5V
C353	065T0603180 31	CHIP 18PF 50V NPO
C354	065T0603180 31	CHIP 18PF 50V NPO
C183	065T0603220 31	CHIP 22PF 50V NPO
C427	065T0603220 31	CHIP 22PF 50V NPO
C428	065T0603220 31	CHIP 22PF 50V NPO
C192	065T0603221 31	CHIP 220PF 50V NPO
C160	065T0603271 31	CHIP 270PF 50V NPO
C162	065T0603271 31	CHIP 270PF 50V NPO
C165	065T0603271 31	CHIP 270PF 50V NPO
C164	065T0603330 31	CHIP 33PF 50V NPO
C166	065T0603330 31	CHIP 33PF 50V NPO
C159	065T0603330 31	CHIP 33PF 50V NPO
C219	065T0603334 17	CHIP 0.33UF 16V Y5V
C230	065T0603392 32	CHIP 3900PF 50V X7R
C248	065T0603474 17	CHIP 0.47UF 16V Y5V
C247	065T0603474 17	CHIP 0.47UF 16V Y5V
C243	065T0603474 17	CHIP 0.47UF 16V Y5V
C241	065T0603474 17	CHIP 0.47UF 16V Y5V
C239	065T0603474 17	CHIP 0.47UF 16V Y5V
C238	065T0603474 17	CHIP 0.47UF 16V Y5V
C223	065T0603474 17	CHIP 0.47UF 16V Y5V
C221	065T0603474 17	CHIP 0.47UF 16V Y5V
C211	065T0603682 32	CHIP 0.0068UF 50V X7R 0603
C118	065T0603683 32	CHIP 0.068UF 50V X7R
C212	065T0805225 17	CHIP 2.2UF 16V Y5V
C226	065T0805225 17	CHIP 2.2UF 16V Y5V
C228	065T0805225 17	CHIP 2.2UF 16V Y5V
C232	065T0805225 17	CHIP 2.2UF 16V Y5V
C233	065T0805225 17	CHIP 2.2UF 16V Y5V
C295	065T0805225 17	CHIP 2.2UF 16V Y5V
C311	065T0805225 17	CHIP 2.2UF 16V Y5V
C314	065T0805225 17	CHIP 2.2UF 16V Y5V
C324	065T0805225 17	CHIP 2.2UF 16V Y5V
C337	065T0805225 17	CHIP 2.2UF 16V Y5V
C344	065T0805225 17	CHIP 2.2UF 16V Y5V

C360	065T0805225 17	CHIP 2.2UF 16V Y5V
C430	065T0805225 17	CHIP 2.2UF 16V Y5V
FB402	071T 56D102	CHIP BEAD
FB219	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB218	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB217	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB216	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB214	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB213	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB212	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB211	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB210	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB209	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB208	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB207	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB206	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB205	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB204	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB203	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB410	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB409	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB408	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB407	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB406	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB313	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB312	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB311	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB310	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB309	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB308	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB307	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB306	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB305	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB302	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB301	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB220	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB201	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB125	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB123	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB122	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB117	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB110	071T 56G301 EA	CHIP BEAD 300 OHM 0805

FB109	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB108	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB405	071T 56U601 MA	CHIP BEAD 0805 600 OHM 1000MA
FB401	071T 56U601 MA	CHIP BEAD 0805 600 OHM 1000MA
RP408	071T 57U800 TS	CHIP BEAD ARRAY 1206 80 OHM
RP407	071T 57U800 TS	CHIP BEAD ARRAY 1206 80 OHM
FB113	071T 59C300	CHIP BEAD 30 OHM 0603
FB112	071T 59C300	CHIP BEAD 30 OHM 0603
FB111	071T 59C300	CHIP BEAD 30 OHM 0603
FB104	071T 59C300	CHIP BEAD 30 OHM 0603
FB103	071T 59C300	CHIP BEAD 30 OHM 0603
FB102	071T 59C300	CHIP BEAD 30 OHM 0603
R308	071T 59K800	CHIP BEAD
CN114	088T 340 19 HA	HDMI HEADER 19P 500254-1931
D301	093T 64 42 P	BAV70 SOT23
D104	093T 64 42 P	BAV70 SOT23
D102	093T 64 42 P	BAV70 SOT23
D603	093T 6432S	IN4148W
D604	093T 6432S	IN4148W
D309	093T 6433P	BAV99
D308	093T 6433P	BAV99
D101	093T 6433P	BAV99
D103	093T 6433P	BAV99
D106	093T 6433P	BAV99
D107	093T 6433P	BAV99
D302	093T 6433P	BAV99
D303	093T 6433P	BAV99
D304	093T 6433P	BAV99
D305	093T 6433P	BAV99
D306	093T 6433P	BAV99
D307	093T 6433P	BAV99
ZD107	093T 39S 24 T	RLZ 5.6B LLDS
ZD109	093T 39S 24 T	RLZ 5.6B LLDS
ZD104	093T 39S 34 T	UDZSNP5.6B ROHM
ZD105	093T 39S 34 T	UDZSNP5.6B ROHM
ZD106	093T 39S 34 T	UDZSNP5.6B ROHM
ZD108	093T 39S 34 T	UDZSNP5.6B ROHM
ZD110	093T 39S 34 T	UDZSNP5.6B ROHM
ZD111	093T 39S 34 T	UDZSNP5.6B ROHM
ZD112	093T 39S 34 T	UDZSNP5.6B ROHM
D201	093T 64S51752T	BA792
	715T2448 1 2	MAIN BOARD PCB

	IRPF7YB3	IR BOARD
CN01	033T3802 5B Y W	CONNECTOR
D02	056T 627505	IC IRM-3638BF45 EVERLIGHT
Q1	057T 417 6	PMBS3906/PHILIPS-SMT
R01	061T0603101	CHIP 100OHM 1/16W
R07	061T0603103	CHIP 10KOHM 1/16W
R09	061T0603331	RST CHIPR 330 OHM +-5% 1/10W
R08	061T0603331	RST CHIPR 330 OHM +-5% 1/10W
C03	065T0603101 31	CHIP 100PF 50V NPO
C05	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C04	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C02	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C01	065T0805225 27	MLCC 0805 CAP 2.2UF Z 25V Y5V
FB04	071T 56Z601	CHIP BEAD 600 OHM
FB01	071T 56Z601	CHIP BEAD 600 OHM
FB03	071T 56Z601	CHIP BEAD 600 OHM
FB02	071T 56Z601	CHIP BEAD 600 OHM
LED01	081T 14501 KT GP	CHIP LED KTL-HKBGE33B-TRB
	715T2599 2	IR BOARD PCB
	PWTV2242AUF2P	ADAPTER BOARD
CN801	033T8021 2E U	WAFER
CN802	033T8021 2E U	WAFER
CN803	033T8021 2E U	WAFER
CN804	033T8021 2E U	WAFER
	040T 45762412B	CBPC LABEL
	051T 6 4503	RTV
IC903	056T 139 3A	IC PC123Y22FZ0F
NR901	061T 5810T	8 OHM 4A NTCR BY THINKING
R914	061T152M18864E	MOFR 0.18 OHM +-5% 2WS
R940	061T152M25164E	MOFR 250 OHM +-5% 2WS
R908	061T152M47364E	MOFR 47KOHM +-5% 2WS
C903	063T107K474 TS	CAP X2 0.47UF K 275VAC UTX
C836	065T 3J3306ET	CER CAP 33PF J 3KV TDK
C834	065T 3J3306ET	CER CAP 33PF J 3KV TDK
C804	065T 3J3306ET	CER CAP 33PF J 3KV TDK
C802	065T 3J3306ET	CER CAP 33PF J 3KV TDK
C808	065T 6J1506ET	CAP CER 15PF J 6KV
C835	065T 6J1506ET	CAP CER 15PF J 6KV
C901	065T305M1022EM	Y2 1000PF +-20% 250VAC
C902	065T305M1022EM	Y2 1000PF +-20% 250VAC
C923	065T306M1022BM	Y1.CAP.001UF 250VAC MURATA
C930	067T215D4714KV	EC 105°C CAP 470UF M 25V

C922	067T215D4714KV	EC 105℃ CAP 470UF M 25V
C919	067T215D4714KV	EC 105℃ CAP 470UF M 25V
C918	067T215D4714KV	EC 105℃ CAP 470UF M 25V
C917	067T215D4714KV	EC 105℃ CAP 470UF M 25V
C915	067T215D4714KV	EC 105℃ CAP 470UF M 25V
C914	067T215D4714KV	EC 105℃ CAP 470UF M 25V
C832	067T215D4714KV	EC 105℃ CAP 470UF M 25V
C803	067T215D4714KV	EC 105℃ CAP 470UF M 25V
C905	067T215S15115K	EC105C 150UF 450V
L902	073L 174 40 HG	GBQM4.778.391
L802	073T 174 35YSA	LINE FILTER 200MH+-25% TOP NATION
L804	073T 174 35YSA	LINE FILTER 200MH+-25% TOP NATION
L904	073T 253 91 H	CHOKE COIL
L903	073T 253 91 H	CHOKE COIL
PT801	080GL20T 22 DN	X'FMR 74UH TK.2026.101
PT802	080GL20T 22 DN	X'FMR 74UH TK.2026.101
T901	080TL20T507 DN	XFMR POWER DARFON
CN901	087T 501 37 S	AC INLET ST-01DG-B2K-K
CN902	095T 82510X506	WIRE HARNESS 10P(SCN)-10P(G) 140MM
	705TQCK0 22001	BD901,Q901 ASS'Y
	051T 200 1	OIL FOR DISAPPEAR
Q901	057T 667 21	STP10NK70ZFP
BD901	093T 5046016A	T4KB80
	0M1T1730 8120	SCREW
	0M1T1730 10120	SCREW
HS1	Q90T0122A01	HEAT SINK
	705TQCK0 93005	D904 ASS'Y
	051T 200 1	OIL FOR DISAPPEAR
D904	093T 60278	DIODE SP1060 10A/60V_ITO-220
	0M1T1730 8120	SCREW
HS2	Q90T0120A01	HEAT SINK
	705TQCK0 93006	D906 ASS'Y
	051T 200 1	OIL FOR DISAPPEAR
D906	093T 60256	FCH20U15 TO-220 BY NIHON INTER
	0M1T1730 8120	SCREW
HS3	Q90T0121A01	HEAT SINK
IC901	056T 379 71	IC TEA1530AT/N1 SO-8 PHILIPS
IC801	056T 608 7	OZT1060GN SOIC-20
Q803	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q903	057T 417 4	CHIP PMBS3904 BY PHILIPS
Q801	057T 600 61	AM4502C-T1-PF S0-8
Q805	057T 600 61	AM4502C-T1-PF S0-8

Q811	057T 600 61	AM4502C-T1-PF S0-8
Q812	057T 600 61	AM4502C-T1-PF S0-8
Q808	057T 759 2	RK7002
Q809	057T 759 2	RK7002
Q813	057T 759 2	RK7002
Q802	057T 760 4	DTA144WKA BY ROHM SMT
Q804	057T 760 5	DTC144WKA BY FOHM SMT
R845	061T0603000	CHIP 0OHM 1/16W
R838	061T0603000	CHIP 0OHM 1/16W
R827	061T0603000	CHIP 0OHM 1/16W
R813	061T0603000	CHIP 0OHM 1/16W
R810	061T0603000	CHIP 0OHM 1/16W
R805	061T0603000	CHIP 0OHM 1/16W
JR804	061T0603000	CHIP 0OHM 1/16W
R806	061T0603103	CHIP 10KOHM 1/16W
R804	061T0603103	CHIP 10KOHM 1/16W
R803	061T0603103	CHIP 10KOHM 1/16W
R835	061T0603105	CHIP 1MOHM 1/16W
R818	061T0603124	RST CHIPR 120 KOHM +-5% 1/10W
R823	061T0603184	RST CHIPR 180 KOHM +-5% 1/10W
R850	061T0603184	RST CHIPR 180 KOHM +-5% 1/10W
R836	061T0603200 2F	RST CHIPR 20 KOHM +-1% 1/10W
R847	061T0603205	RST CHIPR 2 MOHM +-5% 1/10W
R814	061T0603205	RST CHIPR 2 MOHM +-5% 1/10W
R801	061T0603242	RST CHIPR 2.4 KOHM +-5% 1/10W
R833	061T0603300 3F	RST CHIPR 300KOHM +-1% 1/10W
R826	061T0603393	RST CHIPR 39 KOHM +-5% 1/10W
R839	061T0603393	RST CHIPR 39 KOHM +-5% 1/10W
R834	061T0603510 2F	RST CHIPR 51 KOHM +-1% 1/10W
R822	061T0603912	CHIP 9.1K OHM 1/16W
JR808	061T0805000	RST CHIPR 0 OHM +-5% 1/8W
R911	061T0805102	RST CHIPR 1KOHM +-5% 1/4W
R938	061T0805103	RST CHIPR 10 KOHM +-5% 1/8W
R941	061T0805200 0F	RST CHIPR 200 OHM +-1% 1/8W
R915	061T0805204	RST CHIPR 200 KOHM +-5% 1/8W
R821	061T0805390 2F	RST CHIPR 39 KOHM +-1% 1/8W
R830	061T0805392 0F	RST CHIPR 392 OHM +-1% 1/8W
R852	061T0805392 0F	RST CHIPR 392 OHM +-1% 1/8W
R829	061T0805472	RST CHIPR 4.7 KOHM +-5% 1/8W
R851	061T0805472	RST CHIPR 4.7 KOHM +-5% 1/8W
R916	061T0805472	RST CHIPR 4.7 KOHM +-5% 1/8W
R931	061T0805822	RST CHIPR 8.2KOHM +-5% 1/8W

JR801	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
JR802	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
JR803	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
JR805	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
JR806	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
JR807	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R928	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
F903	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
F904	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
J820	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
F902	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R909	061T1206100	RST CHIPR 10 OHM +-5% 1/4W
R939	061T1206100	RST CHIPR 10 OHM +-5% 1/4W
R815	061T1206100	RST CHIPR 10 OHM +-5% 1/4W
R903	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R921	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R935	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R934	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R923	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R922	061T1206101	RST CHIPR 100 OHM +-5% 1/4W
R917	061T1206102	RST CHIPR 1 KOHM +-5% 1/4W
R926	061T1206102	RST CHIPR 1 KOHM +-5% 1/4W
R937	061T1206102	RST CHIPR 1 KOHM +-5% 1/4W
R943	061T1206102	RST CHIPR 1 KOHM +-5% 1/4W
R924	061T1206152	RST CHIPR 1.5 KOHM +-5% 1/4W
R809	061T1206204	RST CHIPR 200 KOHM +-5% 1/4W
R817	061T1206204	RST CHIPR 200 KOHM +-5% 1/4W
R843	061T1206204	RST CHIPR 200 KOHM +-5% 1/4W
R849	061T1206204	RST CHIPR 200 KOHM +-5% 1/4W
R912	061T1206223	RST CHIPR 22KOHM +-5% 1/4W
R930	061T1206243 1F	CHIP 2.43K OHM 1% 1/4W
R929	061T1206330 2F	RST CHIPR 33 KOHM +-1% 1/4W
R927	061T1206360 1F	RST CHIPR 3.6 KOHM +-1% 1/4W
R866	061T1206471	RST CHIPR 470 OHM +-5% 1/4W
R864	061T1206471	RST CHIPR 470 OHM +-5% 1/4W
R863	061T1206471	RST CHIPR 470 OHM +-5% 1/4W
R861	061T1206471	RST CHIPR 470 OHM +-5% 1/4W
R802	061T1206471	RST CHIPR 470 OHM +-5% 1/4W
R904	061T1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R932	061T1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R933	061T1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R900	061T1206684	RST CHIPR 680KOHM +-5% 1/4W

R901	061T1206684	RST CHIPR 680KOHM +-5% 1/4W
R902	061T1206684	RST CHIPR 680KOHM +-5% 1/4W
R858	061T1206754	RST CHIPR 750 KOHM +-5% 1/4W
R857	061T1206754	RST CHIPR 750 KOHM +-5% 1/4W
R856	061T1206754	RST CHIPR 750 KOHM +-5% 1/4W
R853	061T1206754	RST CHIPR 750 KOHM +-5% 1/4W
R848	061T1206754	RST CHIPR 750 KOHM +-5% 1/4W
R842	061T1206754	RST CHIPR 750 KOHM +-5% 1/4W
R816	061T1206754	RST CHIPR 750 KOHM +-5% 1/4W
R808	061T1206754	RST CHIPR 750 KOHM +-5% 1/4W
C819	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C814	065T0603104 32	CHIP 0.1UF 50V X7R
C839	065T0603104 32	CHIP 0.1UF 50V X7R
C813	065T0603105 12	CHIP 1UF 16V X7R
C815	065T0603105 12	CHIP 1UF 16V X7R
C818	065T0603105 12	CHIP 1UF 16V X7R
C825	065T0603105 12	CHIP 1UF 16V X7R
C816	065T0603224 22	CHIP CAP 0.22UF 25V X7
C810	065T0603333 32	CHIP 0.033UF 50V X7R
C840	065T0603333 32	CHIP 0.033UF 50V X7R
C811	065T0603472 32	CHIP 4700PF 50V X7R
C829	065T0603472 32	CHIP 4700PF 50V X7R
C841	065T0603472 32	CHIP 4700PF 50V X7R
C823	065T0805101 32	100PF +-10% 50V X7R
C843	065T0805101 32	100PF +-10% 50V X7R
C932	065T0805102 31	1000PF 50V NPO
C907	065T0805104 32	CHIP 0.1UF 50V X7R
C916	065T0805104 32	CHIP 0.1UF 50V X7R
C920	065T0805104 32	CHIP 0.1UF 50V X7R
C924	065T0805104 32	CHIP 0.1UF 50V X7R
C927	065T0805104 32	CHIP 0.1UF 50V X7R
C817	065T0805104 32	CHIP 0.1UF 50V X7R
C828	065T0805104 32	CHIP 0.1UF 50V X7R
C911	065T0805105 22	CHIP 1UF 25V X7R 0805
C928	065T0805122 31	CAP 0805 1200PF J 50V NPO
C821	065T0805221 31	220PF 50V NPO
C909	065T0805224 22	CAIP CAP 0.22 UF 25V X7R
C837	065T0805224 32	0805.0.22UF.K.50V.X7R
C805	065T0805224 32	0805.0.22UF.K.50V.X7R
C822	065T0805225 22	CHIP 2.2UF 25V X7R 0805
C827	065T0805471 32	470PF 50X X7R
C812	065T0805471 32	470PF 50X X7R

C929	065T1206102 72	CHIP 1000PF 500V X7R
C913	065T1206102 72	CHIP 1000PF 500V X7R
C833	065T1206225 22	MLCC 1206 CAP 2.2UF K 25V X7R
C831	065T1206225 22	MLCC 1206 CAP 2.2UF K 25V X7R
C809	065T1206475 22	4.7U/25V X7R
C807	065T1206475 22	4.7U/25V X7R
D821	093T 6432S	IN4148W
D903	093T 6432S	IN4148W
D908	093T 6432S	IN4148W
D910	093T 6432S	IN4148W
D810	093T 6433P	BAV99
D803	093T 6433P	BAV99
D812	093T 6433P	BAV99
D820	093T 6433P	BAV99
ZD905	093T 39S 12 T	RLZ20B LLDS
ZD801	093T 39S 24 T	RLZ 5.6B LLDS
ZD802	093T 39S 24 T	RLZ 5.6B LLDS
ZD803	093T 39S 24 T	RLZ 5.6B LLDS
ZD902	093T 39S 25 T	RLZ5.1B LLDS
ZD903	093T 39S 40 T	RLZ 13B LLDS
ZD920	093T 39S 40 T	RLZ 13B LLDS
D818	093T 64S500	BAV21W SOD-123 PANJIT
D817	093T 64S500	BAV21W SOD-123 PANJIT
D808	093T 64S500	BAV21W SOD-123 PANJIT
D909	093T 64S500	BAV21W SOD-123 PANJIT
D807	093T 64S500	BAV21W SOD-123 PANJIT
CN901	006T 31500	EYELET
T901	006T 31502	1.5MM RIVET
Q901	006T 31502	1.5MM RIVET
PT802	006T 31502	1.5MM RIVET
PT801	006T 31502	1.5MM RIVET
L902	006T 31502	1.5MM RIVET
C905	006T 31502	1.5MM RIVET
IC902	056T 158 7	AP431V TO-92
C906	065T 2K152 1T6213	CAP CER 1500PF K 2KV
C908	067T 2152207NT	KY50VB22M-TP5 5*11
F901	084T 55 5	FUSE 2.50A 250V
D902	093T 6038P52T	PS102R
D901	093T1100 1152T	DIODE PR1007R 1A/1000V DO-41
J911	095T 90 23	JUMP WIRE
J913	095T 90 23	JUMP WIRE
J809	095T 90 23	JUMP WIRE

J810	095T 90 23	JUMP WIRE
J811	095T 90 23	JUMP WIRE
J812	095T 90 23	JUMP WIRE
J813	095T 90 23	JUMP WIRE
J814	095T 90 23	JUMP WIRE
J815	095T 90 23	JUMP WIRE
J816	095T 90 23	JUMP WIRE
J817	095T 90 23	JUMP WIRE
J910	095T 90 23	JUMP WIRE
J905	095T 90 23	JUMP WIRE
J904	095T 90 23	JUMP WIRE
J903	095T 90 23	JUMP WIRE
J902	095T 90 23	JUMP WIRE
J901	095T 90 23	JUMP WIRE
J830	095T 90 23	JUMP WIRE
J829	095T 90 23	JUMP WIRE
J828	095T 90 23	JUMP WIRE
J827	095T 90 23	JUMP WIRE
J826	095T 90 23	JUMP WIRE
J825	095T 90 23	JUMP WIRE
J824	095T 90 23	JUMP WIRE
J823	095T 90 23	JUMP WIRE
J822	095T 90 23	JUMP WIRE
J821	095T 90 23	JUMP WIRE
J819	095T 90 23	JUMP WIRE
J818	095T 90 23	JUMP WIRE
J912	095T 90 23	JUMP WIRE
J906	095T 90 23	JUMP WIRE
J907	095T 90 23	JUMP WIRE
J908	095T 90 23	JUMP WIRE
J808	095T 90 23	JUMP WIRE
FB901	095T 90 23	JUMP WIRE
FB902	095T 90 23	JUMP WIRE
J801	095T 90 23	JUMP WIRE
J802	095T 90 23	JUMP WIRE
J803	095T 90 23	JUMP WIRE
J804	095T 90 23	JUMP WIRE
J805	095T 90 23	JUMP WIRE
J806	095T 90 23	JUMP WIRE
J807	095T 90 23	JUMP WIRE
	715T2210 1 AO	POWER BOARD PCB
	Q07T 7 T138	PALLET

O	Q07T 7 T206	COMPOUND PALLET
	Q11T6039 5	CABLE CLAMP
	Q15T0162 4	MAIN FRAME
	Q15T0163 4	I/O BKT
	Q15T0164 1	SUPPORT BKT
	Q40T 220970 2B	RATING LABEL
	Q40T0002615A22	I-O LABEL FOR L22W631
	Q44TC014 1	EPS
	Q44TC014 2	EPS
	Q44TC014 3	EPS
	Q44TC014970 1B	22 LCD TV CARTON
	Q44TC014BRO 1	PAPER BLOCK
	Q45T 99609 10 R	EPE COVER
	Q45T 99609 37 R	EPE COVER
	Q52T6025 13 26	MYLAY
	Q85T0044 1	SHIELD
	TUPF6YAA	TUNER BOARD
CN601	033T802412C H	WAFER
CN605	033T802436C H	HEADER FEMALE 36P 2.0MM
FB628	073T 5547010T	PEAKING COIL 47UH+-10% TDK
FB627	073T 5547010T	PEAKING COIL 47UH+-10% TDK
CN608	088T 78 10 2C	RCA JACK
CN610	088T 78 13 6C	RCA JACK
CN609	088T 78 137CL	AV-S-01-Y
CN607	088T 30211K	PHONE JACK
TU100	094TNTSC MNLNC	TUNER CHANGHONG TAF5-U2F41RW
C671	067T 305100 3T	10UF 16V
C629	067T 305100 3T	10UF 16V
C669	067T 305101 3T	100UF 16V 105C
C670	067T 305101 3T	100UF 16V 105C
C676	067T 3052293PT	EC 105°C CAP 2.2UF M 16V
U602	056T 616507	IC AUDIO PT2309 PTC
Q602	057T 417 4	CHIP PMBS3904 BY PHILIPS
C642	061T0603000	CHIP 0OHM 1/16W
C638	061T0603000	CHIP 0OHM 1/16W
C637	061T0603000	CHIP 0OHM 1/16W
R671	061T0603000	CHIP 0OHM 1/16W
R670	061T0603000	CHIP 0OHM 1/16W
R649	061T0603100	CHIP 10OHM 1/16W
R650	061T0603100	CHIP 10OHM 1/16W
R663	061T0603101	CHIP 100OHM 1/16W
R666	061T0603101	CHIP 100OHM 1/16W

R653	061T0603103	CHIP 10KOHM 1/16W
R654	061T0603220	CHIP 22OHM 1/16W
R657	061T0603223	CHIP 22KOHM 1/16W
R656	061T0603333	RST CHIPR 33 KOHM +-5% 1/10W
R655	061T0603392	CHIP 3.9KOHM 1/16W
R658	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R623	061T0603472	CHIP 4.7KOHM 1/16W
R628	061T0603472	CHIP 4.7KOHM 1/16W
R665	061T0603473	CHIP 47KOHM 1/16W
R648	061T0603473	CHIP 47KOHM 1/16W
R645	061T0603473	CHIP 47KOHM 1/16W
R632	061T0603473	CHIP 47KOHM 1/16W
R625	061T0603473	CHIP 47KOHM 1/16W
R644	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R640	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R635	061T0603750	75OHM
R637	061T0603750	75OHM
R639	061T0603750	75OHM
R616	061T0603750	75OHM
R617	061T0603750	75OHM
R618	061T0603750	75OHM
FB617	061T0805000	RST CHIPR 0 OHM +-5% 1/8W
R659	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
C636	065T0603103 32	CHIP 0.01UF 50V X7R
C660	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C661	065T0603104 12	MLCC 0603 0.1UF K 16V X7R
C675	065T0603105 17	CHIP 1UF 16V Y5V
C672	065T0603105 17	CHIP 1UF 16V Y5V
C674	065T0603105 17	CHIP 1UF 16V Y5V
C621	065T0603221 31	CHIP 220PF 50V NPO
C624	065T0603333 32	CHIP 0.033UF 50V X7R
C623	065T0603333 32	CHIP 0.033UF 50V X7R
C622	065T0603333 32	CHIP 0.033UF 50V X7R
C677	065T0603471 32	CHIP 470PF 50V NPO
C666	065T0603471 32	CHIP 470PF 50V NPO
C665	065T0603471 32	CHIP 470PF 50V NPO
C664	065T0603471 32	CHIP 470PF 50V NPO
C651	065T0603471 32	CHIP 470PF 50V NPO
C644	065T0603471 32	CHIP 470PF 50V NPO
C625	065T0603472 32	CHIP 4700PF 50V X7R
C626	065T0603472 32	CHIP 4700PF 50V X7R
C628	065T0603472 32	CHIP 4700PF 50V X7R

C658	065T0603680 31	CHIP 68PF 50V NPO
C657	065T0603680 31	CHIP 68PF 50V NPO
C656	065T0603680 31	CHIP 68PF 50V NPO
C655	065T0603680 31	CHIP 68PF 50V NPO
C654	065T0603680 31	CHIP 68PF 50V NPO
C653	065T0603680 31	CHIP 68PF 50V NPO
C634	065T0603680 31	CHIP 68PF 50V NPO
C632	065T0603680 31	CHIP 68PF 50V NPO
C630	065T0603680 31	CHIP 68PF 50V NPO
FB623	071T 56G151 B	BEAD 0805 150 OHM
FB622	071T 56K121 M	CHIP BEAD
FB621	071T 56U601	BEAD 600 OHM
FB618	071T 56U601	BEAD 600 OHM
FB612	071T 56U601	BEAD 600 OHM
FB609	071T 56U601	BEAD 600 OHM
FB629	071T 56Z121	BEAD 120 OHM
FB616	071T 56Z121	BEAD 120 OHM
FB615	071T 56Z121	BEAD 120 OHM
FB614	071T 56Z121	BEAD 120 OHM
FB608	071T 56Z121	BEAD 120 OHM
FB606	071T 56Z121	BEAD 120 OHM
FB605	071T 56Z121	BEAD 120 OHM
D602	093T 6433P	BAV99
ZD601	093T 39S582 PH	ZENER DIODE BZX284-C33 PHILIPS
ZD602	093T 39S582 PH	ZENER DIODE BZX284-C33 PHILIPS
	715T2449 2	TUNER BOARD PCB
	001T6017600	SCREW
	045T 76 28 C	PE BAG FOR MANUAL
	Q41T2201970 2A	MANUAL
	Q41T7800970 5A	WARRANTY CARD
	Q45T 76 28NV2 R	PE BAG FOR CLAMP