

HZ
Service
Service
Service



Service Manual

Horizontal Frequency
30kHz – 80kHz

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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

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. Monitor Specifications

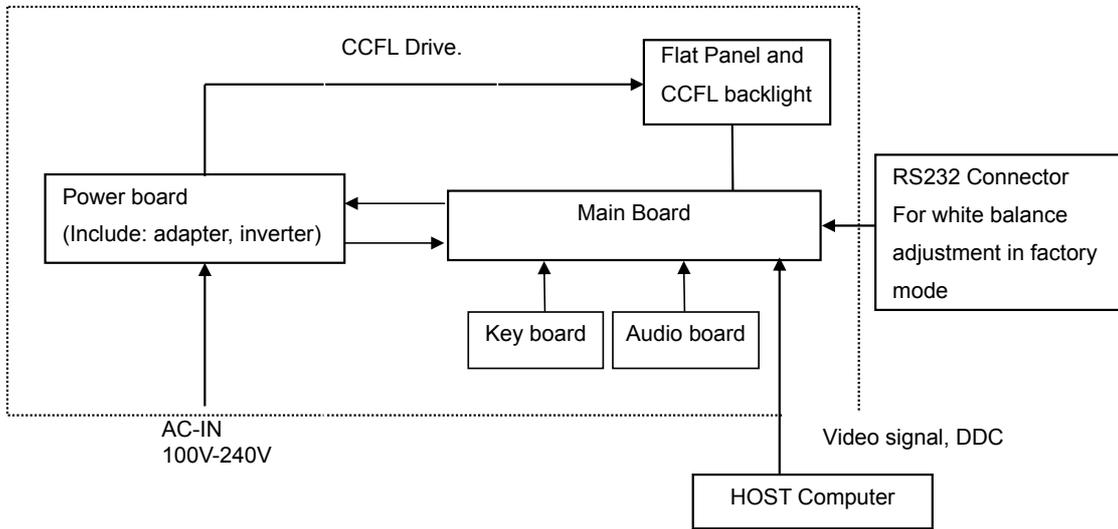
LCD Panel	Driving system	TFT Color LCD
	Size	43.2cm(17.0")
	Pixel pitch	0.264mm(H) × 0.264mm(V)
Input	Video	R,G,B Analog Interface
	Separate Sync.	H/V TTL
	H-Frequency	30kHz – 80kHz
	V-Frequency	55-75Hz
Display Colors		16.2M Colors
Dot Clock		135MHz
Max. Resolution		1280 × 1024
Plug & Play		VESA DDC2B™
EPA ENERGY STAR®	ON Mode	≤37W
	OFF Mode	≤1W
Input Connector		15-pin D-Sub
Input Video Signal		Analog:0.7Vp-p(standard), 75 OHM, Positive
Maximum Screen Size		Horizontal : 337.92mm Vertical : 270.34mm
Power Source		100~240VAC,50~60Hz
Environmental Considerations		Operating Temp: 5° to 35°C Storage Temp.: -20° to 60°C Operating Humidity: 10% to 85%
Dimension		371(W)×380(H)×106.4(D)mm
Weight (N. W.)		4.5kg Unit (net)
Audio Output		Rated Power 1.5 W rms (Per channel)
Power Consumption(Maximum)		37 Watts
Regulatory Compliance		cULus, TUV-S

2. LCD Monitor Description

The LCD monitor will contain a main board, a power board, a key board and an audio board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.

Monitor Block Diagram



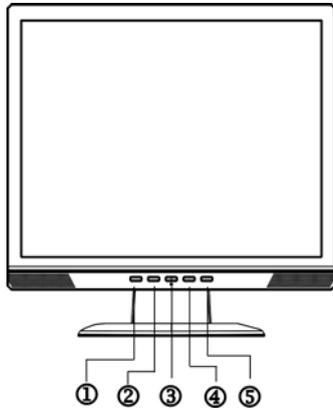
3. Operating Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located at front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

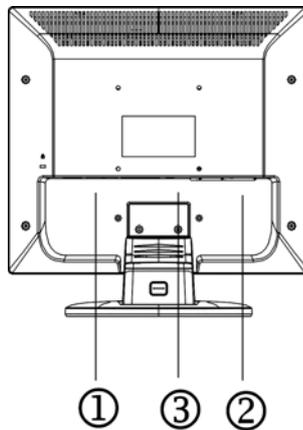
- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor position. The power indicator will light up.

3.2 Control Buttons



EXTERNAL CONTROLS

1.	Auto Adjust Key/Exit	4.	> / Volume
2.	< / Volume	5.	MENU/ENTER
3.	Power Key/ LED		



1.	AC Power Cord
2.	D-Sub Cable
3.	Audio Cable

- **Power Button / Power Indicator:**

Press this button to turn the monitor ON or OFF.

Blue — Power On mode.

Orange — Off mode.

- **MENU / ENTER :**

Activate OSD menu when OSD is OFF or activate/de-activate adjustment function when OSD is ON or Exit OSD menu when in Volume Adjust OSD status.

- **> /Volume:**

Activates the volume control when the OSD is OFF or navigate through adjustment icons when OSD is ON or adjust a function when function is activated.

- **< /Volume:**

Activates the volume control when the OSD is OFF or navigate through adjustment icons when OSD is ON or adjust a function when function is activated.

- **Auto Adjust button / Exit:**

1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).
2. When OSD menu is in off status, press this button for 2 seconds to activate the Auto Adjustment function.

The Auto Adjustment function is used to set the HPos, VPos, Clock and Focus.

OSD Lock Function: To lock the OSD, press and hold the MENU button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the MENU button while the monitor is off and then press power button to turn the monitor on.

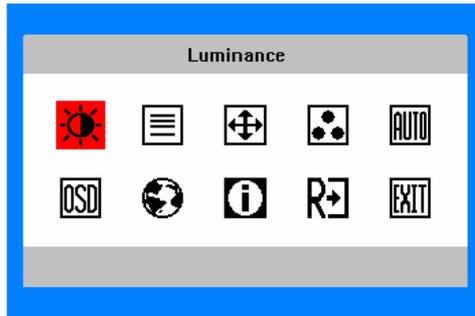
NOTES

- Do not install the monitor in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- Save the original shipping carton and packing materials, as they will come in handy if you ever have to ship your monitor.
- For maximum protection, repackage your monitor as it was originally packed at the factory.
- To maintain the cleanness of your LCD display, wipe it periodically with clean and soft cloth. The screen may be damaged by any liquid splash.
- To keep the monitor looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner, benzene, or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug the monitor before cleaning it.

3.3 Adjusting the Picture

Press the MENU-button to activate the OSD window.

1. Press the MENU-button to activate the OSD window.
2. Press < or > to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it. If the function selected has a sub-menu, press < or > again to navigate through the sub-menu functions. Once the desired function is highlighted, press MENU-button to activate it.
3. Press < or > to change the settings of the selected function.
4. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.



The descriptions for function control LEDs

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description
Luminance		Contrast		Contrast from Digital-register.
		Brightness		Backlight Adjustment
Image Setup		Focus		Adjust Picture Phase to reduce Horizontal-Line noise
		Clock		Adjust picture Clock to reduce Vertical-Line noise.
Image Position		H. Position		Adjust the horizontal position of the picture.
		V. Position		Adjust the vertical position of the picture.
Color Temp.		Warm	N/A	Recall Warm Color Temperature from EEPROM.
		Cool	N/A	Recall Cool Color Temperature from EEPROM.
		sRGB	N/A	Recall sRGB Temperature from EEPROM.
		User / Red	R	Red Gain from Digital-register.
		User / Green	G	Green Gain Digital-register.
		User / Blue	B	Blue Gain from Digital-register.
Auto Config		Yes	N/A	Auto Adjust the H/V Position, Focus and Clock of picture.
		No	N/A	Do not execute Auto Config, return to main menu.

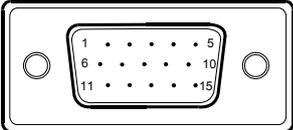
Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description
OSD Setup		H. Position		Adjust the horizontal position of the OSD.
		V. Position		Adjust the vertical position of the OSD.
		OSD Timeout		Adjust the OSD timeout.
Language		Language	N/A	Select the language you like.
Information		Information	N/A	Show the resolution, H/V frequency and input port of current input timing.
Reset		Yes	N/A	Clear each old status of Auto-configuration.
		No	N/A	Do not execute reset, return to main menu.
Exit		N/A	N/A	Exit OSD

4. Input/Output Specification

4.1 Input Signal Connector

Pin No.	Description	Pin No.	Description
1.	Red Video	9.	+ 5V
2.	Green Video	10.	Detect Cable
3.	Blue Video	11.	Ground
4.	Ground	12.	DDC-Serial Data
5.	Ground	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC-Serial Clock
8.	B-Ground		

Analog Connector



4.2 Factory Preset Display Modes

Standard	Resolution	Horizontal Frequency	Vertical Frequency
Dos-mode	720 x 400	31.47kHz	70.0Hz
VGA	640 x 480	31.47kHz	60.0Hz
	640 x 480	37.50kHz	75.0Hz
SVGA	800 x 600	37.879kHz	60.0Hz
	800 x 600	46.875kHz	75.0Hz
XGA	1024 x 768	48.363kHz	60.0Hz
	1024 x 768	56.476kHz	70.0Hz
	1024 x 768	60.021kHz	75.0Hz
SXGA	1280 x 1024	64.000kHz	60.0Hz
	1280 x 1024	80.000kHz	75.0Hz

4.3 Panel Specification

CLAA170EA07P is 17.0" color TFT-LCD (Thin Film Transistor Liquid Crystal Display) module composed of LCD panel, driver ICs, control circuit and backlight. By applying 8 bit digital data, 1280×1024, 16.2M-color images are displayed on the 17.0" diagonal screen. Input power voltage is 5.0V for LCD driving. Inverter for backlight is not included in this module.

4.3.1 Display Characteristics

ITEM	SPECIFICATION
Display Area(mm)	337.920(H)x270.336(V) (17.0-inch diagonal)
Number of Pixels	1280(H)x1024(V)
Pixel Pitch(mm)	0.264(H)x0.264(V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	normally white, TN
Number of Colors	16.2M(6 Bit+FRC)
Brightness(cd/m ²)	300 cd/m ² (Typ.)(Center point, Lamp current=7.5 mA)
Viewing Angle	160 / 160(Typ.)
Surface Treatment	Anti-glare
Power consumption(W)	23.7 (Typ.)
Module Size(mm)	358.5(W)x296.5(H)x17.5(D)(max)
Module Weight(g)	2200(typ)
Backlight Unit	CCFL, 4 tables, edge-light(top*2/bottom*2)

4.3.2 Optical Characteristics

Ta=25°C · VCC=5.0V

ITEM	SYMBOL	CONDITION	min	typ	max	UNIT	
Contrast Ratio	CR	$\theta = \phi = 0^\circ$	550	700	--	--	
Luminance(CEN)	L	$\theta = \phi = 0^\circ$	250	300	--	cd/m ²	
9P Uniformity	ΔL	$\theta = \phi = 0^\circ$	75	--	--	%	
Response Time	Tr	$\theta = \phi = 0^\circ$	--	2	4	ms	
	Tf	$\theta = \phi = 0^\circ$	--	3	6	ms	
Crosstalk	CT	$\theta = \phi = 0^\circ$	0	--	1	%	
Viewing Angle	Horizontal	ϕ	CR ≥ 10	135	160	--	°
	Vertical	θ		135	160	--	°
Color Coordinates	White	X	$\theta = \phi = 0^\circ$	0.283	0.313	0.343	Color Coordinates
		Y		0.299	0.329	0.359	
	Red	X		0.625	0.655	0.685	
		Y		0.297	0.327	0.357	
Green	X	0.243	0.273	0.303			
	Y	0.587	0.617	0.647			
Blue	X	0.114	0.144	0.174			
	Y	0.049	0.079	0.109			
Gamut	CG	$\theta = \phi = 0^\circ$	70	72	--	%	
Gamma	γ	VESA	2.0	2.2	2.4	--	

TFT LCD Module:

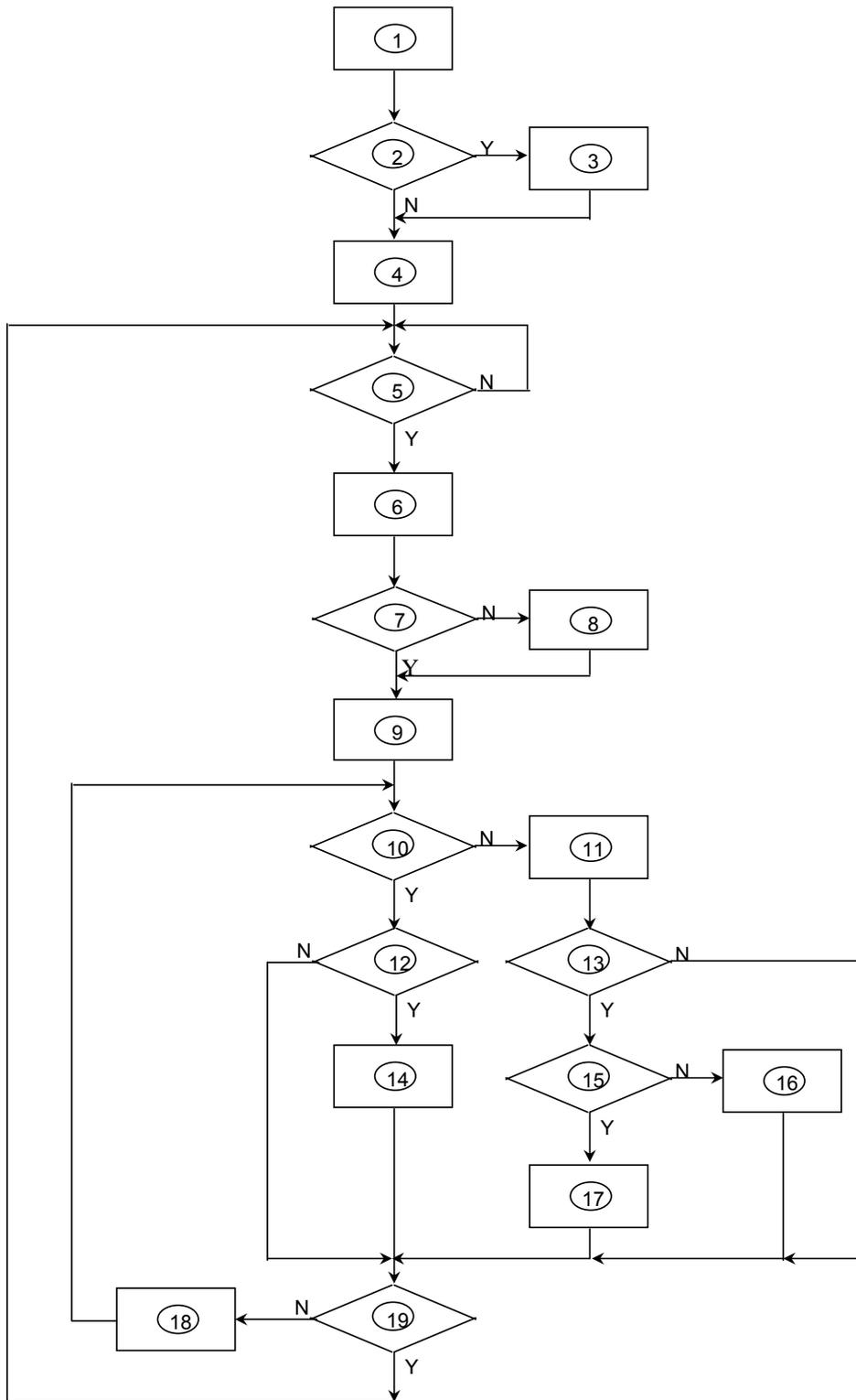
ITEM	SYMBOL	MIN	TYP	MAX	UNIT	
Power Supply Voltage for LCD	Vcc	4.5	5.0	5.5	V	
Power Supply Current for LCD	Icc	-	700	950	mA	
Permissive Input Ripple Voltage	VRP	-	-	100	mVp-p	
Differential impedance	Zm	90	100	110	Ω	
Logic input voltage LVDS:IN+ · IN-	Common Mode Voltage	VCM	1.125	1.25	1.375	V
	Differential Input Voltage	VID	250	350	450	mV
	Threshold Voltage(High)	VTH	-	-	100	mV
	Threshold Voltage(Low)	VTL	-100	-	-	mV
LCD Inrush Current	Inrush			3	A	
Power consumption	P		3.5	4.75	W	

Back Light Unit:

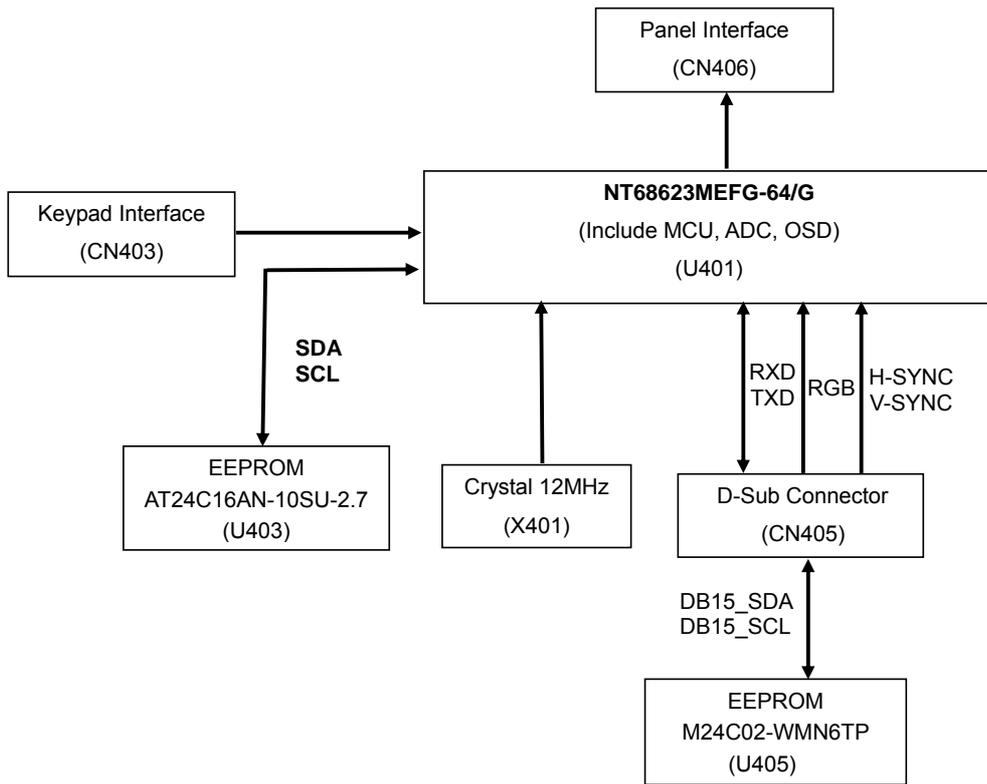
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
B/L Voltage	VL	575	636	699	Vrms
B/L Current	IL	7.0	7.5	8.0	mArms
B/L operating current	ILO	3.0	7.5	8.0	mArms
B/L power consumption	WL	--	20.2	22.2	W
Inverter Frequency	FI	45	50	65	kHz
Starting Lamp Voltage	VS	--	--	1600	Vrms
		--	--	1100	Vrms

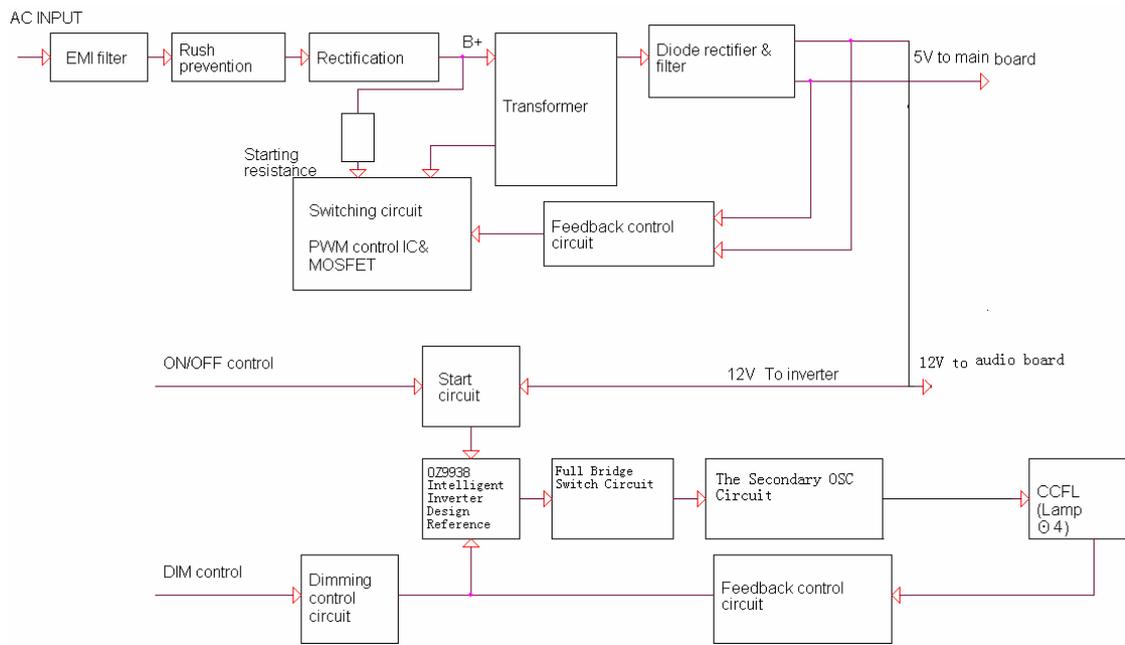
5. Block Diagram

5.1 Software Flow Chart



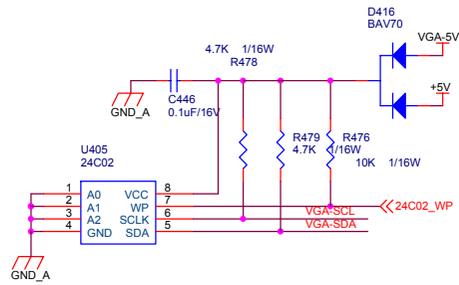
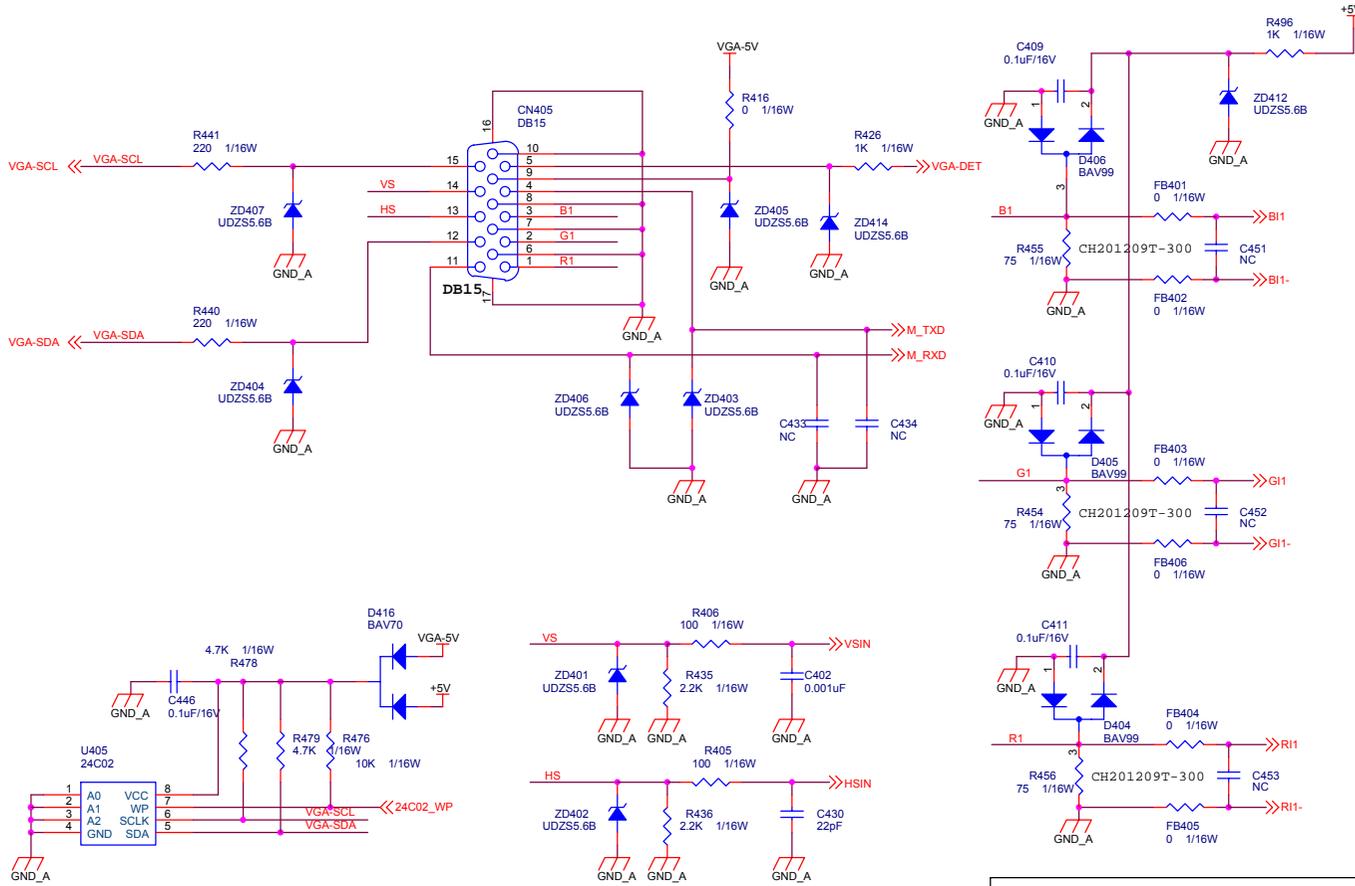
- 1) MCU initializes.
- 2) Is the EPROM blank?
- 3) Program the EPROM by default values.
- 4) Get the PWM value of brightness from EPROM.
- 5) Is the power key pressed?
- 6) Clear all global flags.
- 7) Are the AUTO and SELECT keys pressed?
- 8) Enter factory mode.
- 9) Save the power key status into EPROM.
Turn on the LED and set it to green color.
Scalar initializes.
- 10) In standby mode?
- 11) Update the lifetime of back light.
- 12) Check the analog port, are there any signals coming?
- 13) Does the scalar send out an interrupt request?
- 14) Wake up the scalar.
- 15) Are there any signals coming from analog port?
- 16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappears.
- 17) Program the scalar to be able to show the coming mode.
- 18) Process the OSD display.
- 19) Read the keyboard. Is the power key pressed?



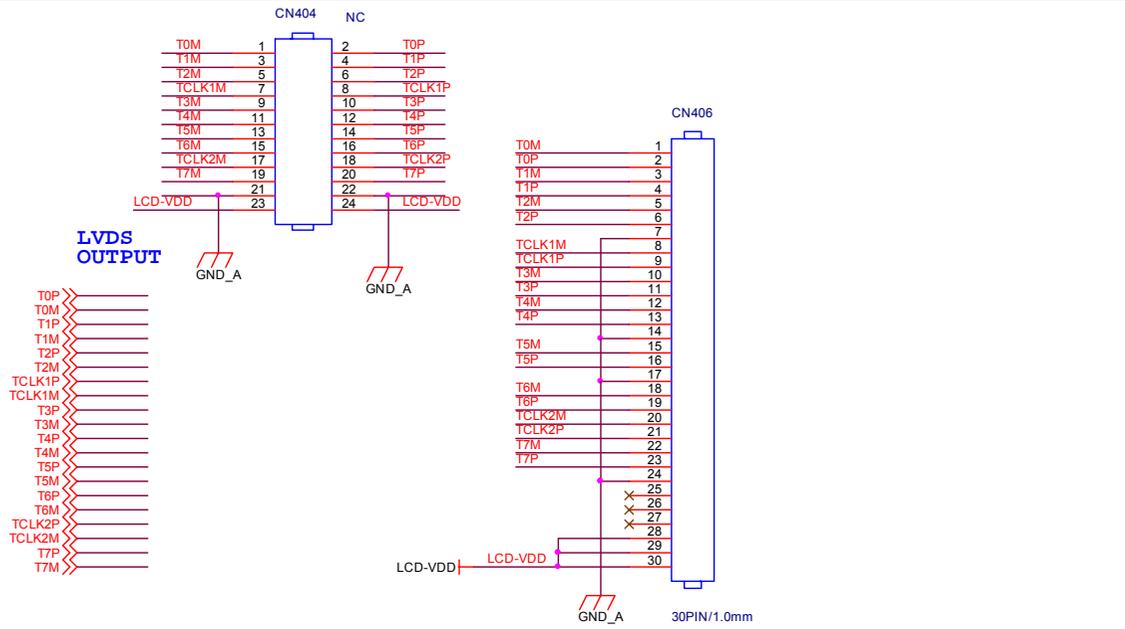


6. Schematic

6.1 Main Board

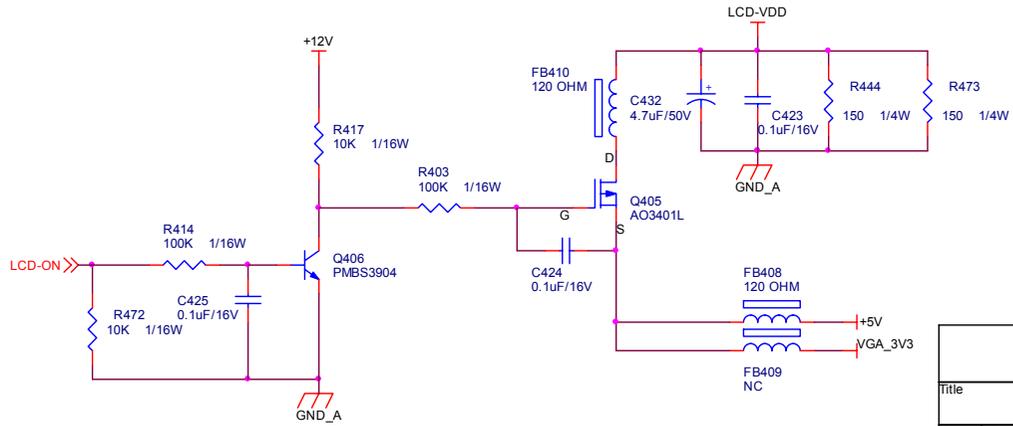


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Date:	Friday, January 06, 2006	Sheet 1 of 5

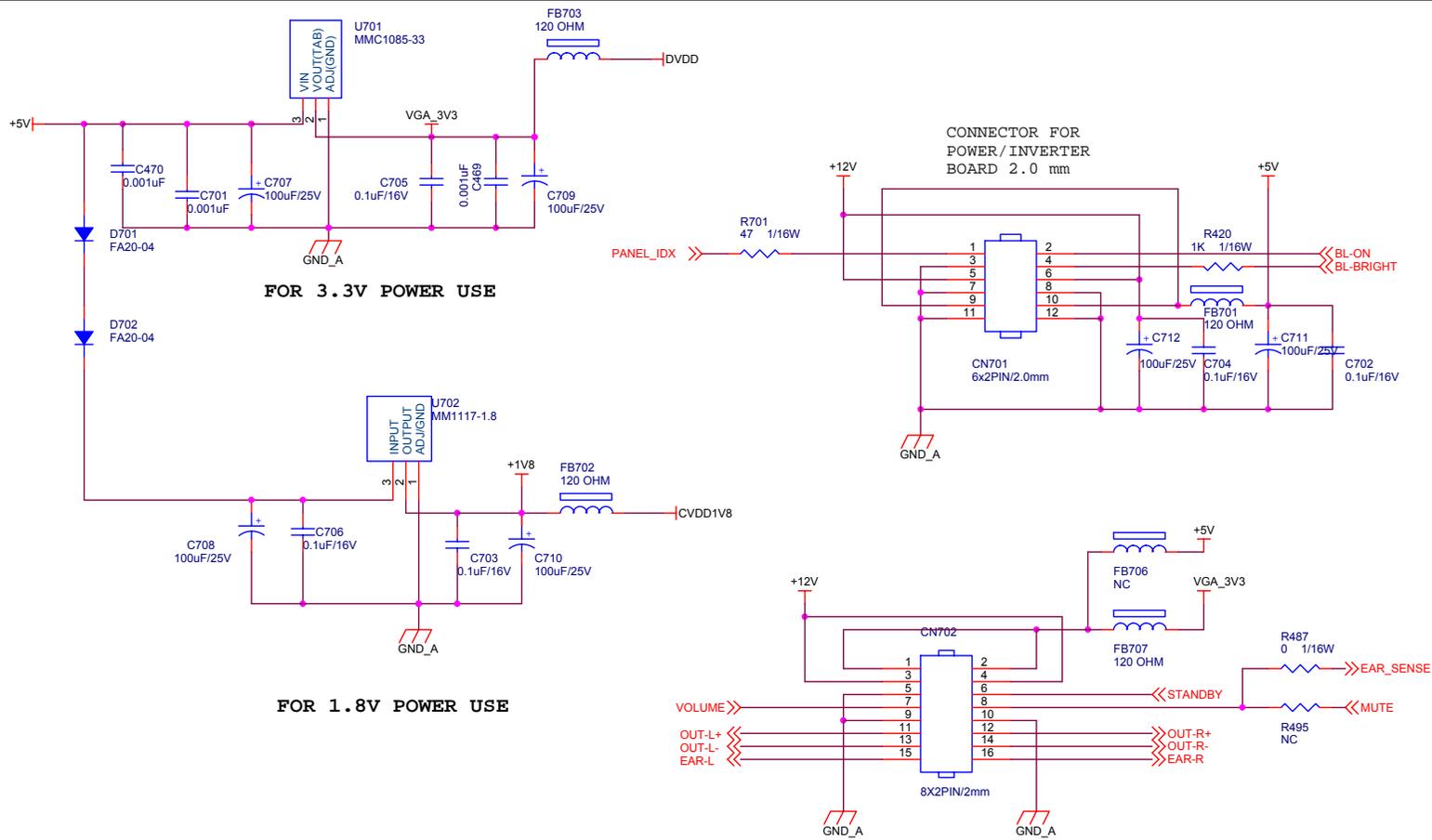


LVDS OUTPUT

- T0P >>
- T0M >>
- T1P >>
- T1M >>
- T2P >>
- T2M >>
- TCLK1P >>
- TCLK1M >>
- T3P >>
- T3M >>
- T4P >>
- T4M >>
- T5P >>
- T5M >>
- T6P >>
- T6M >>
- TCLK2P >>
- TCLK2M >>
- T7P >>
- T7M >>

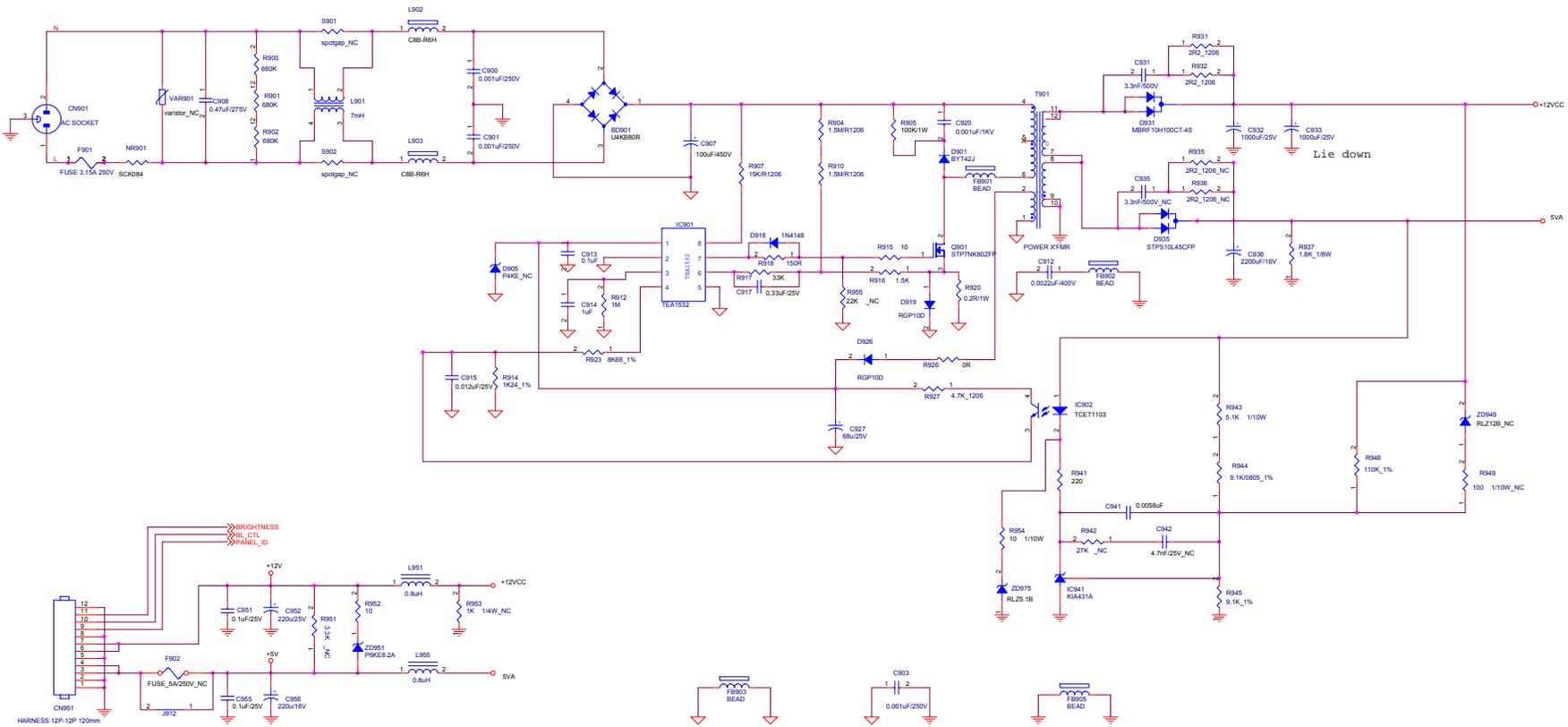


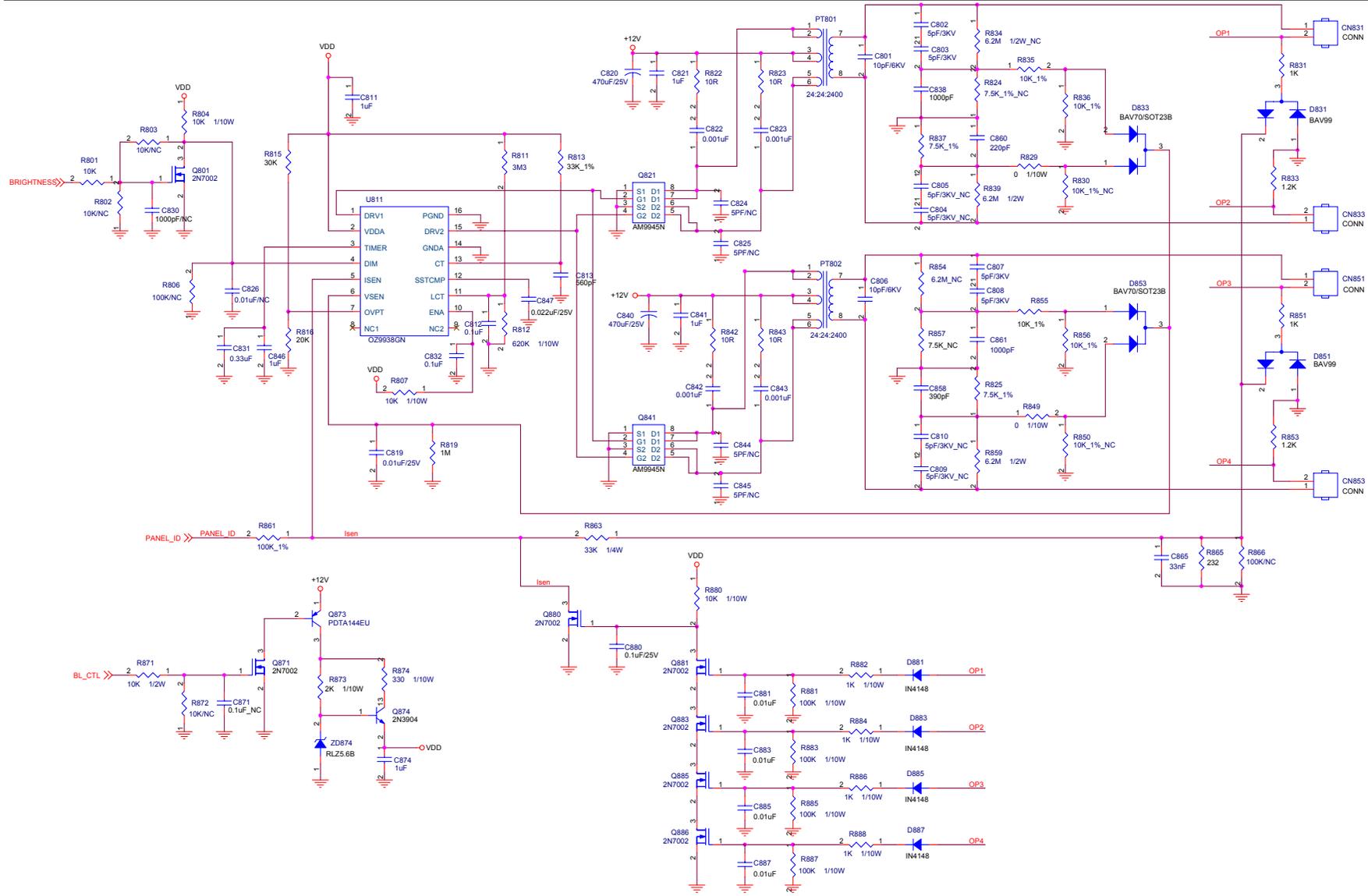
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715G1767-1		
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Date:	Friday, January 06, 2006	Sheet 3 of 5



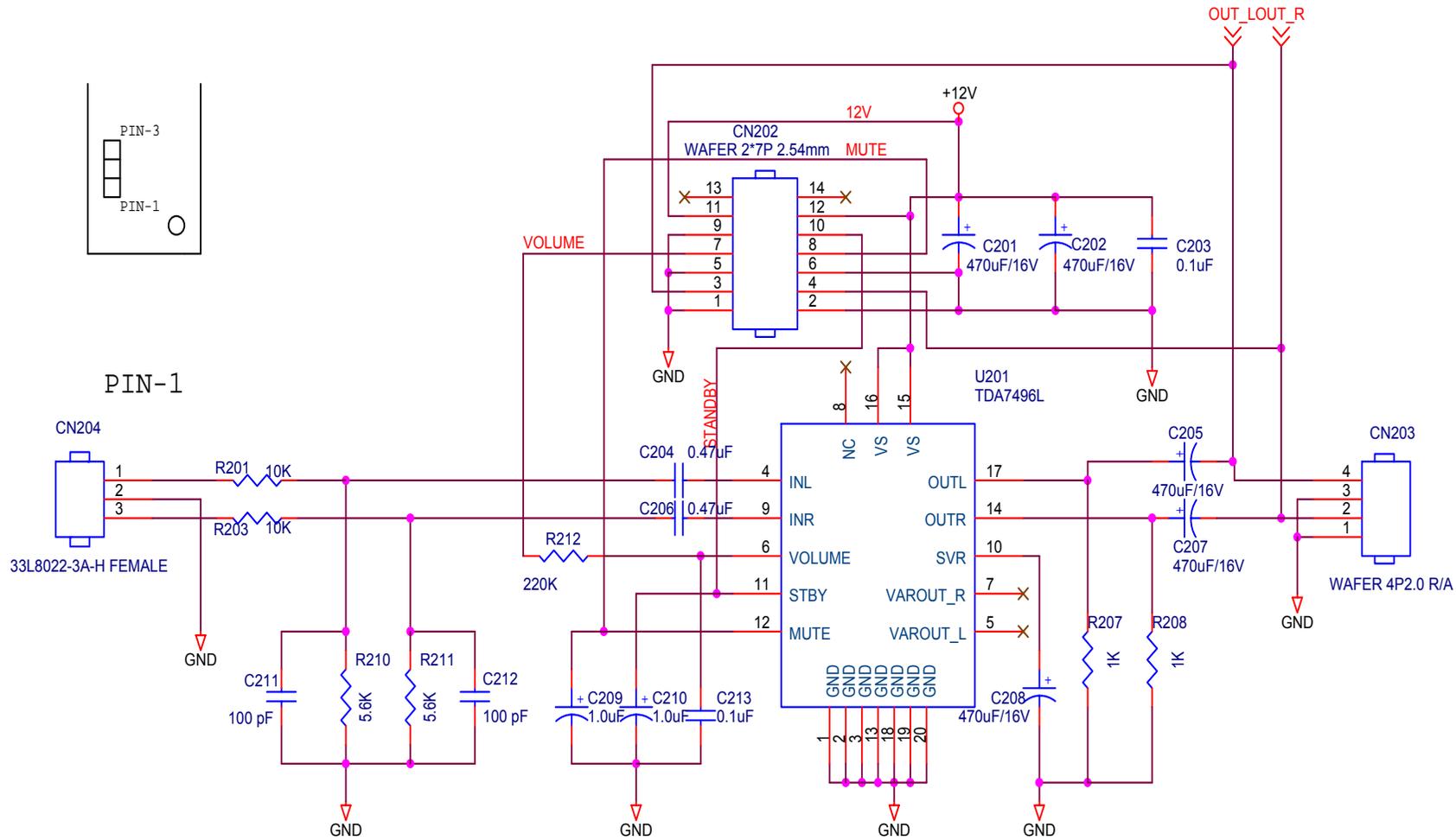
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Size	Document Number	Rev
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Date:	Friday, January 06, 2006	Sheet 4 of 5

6.2 Power Board



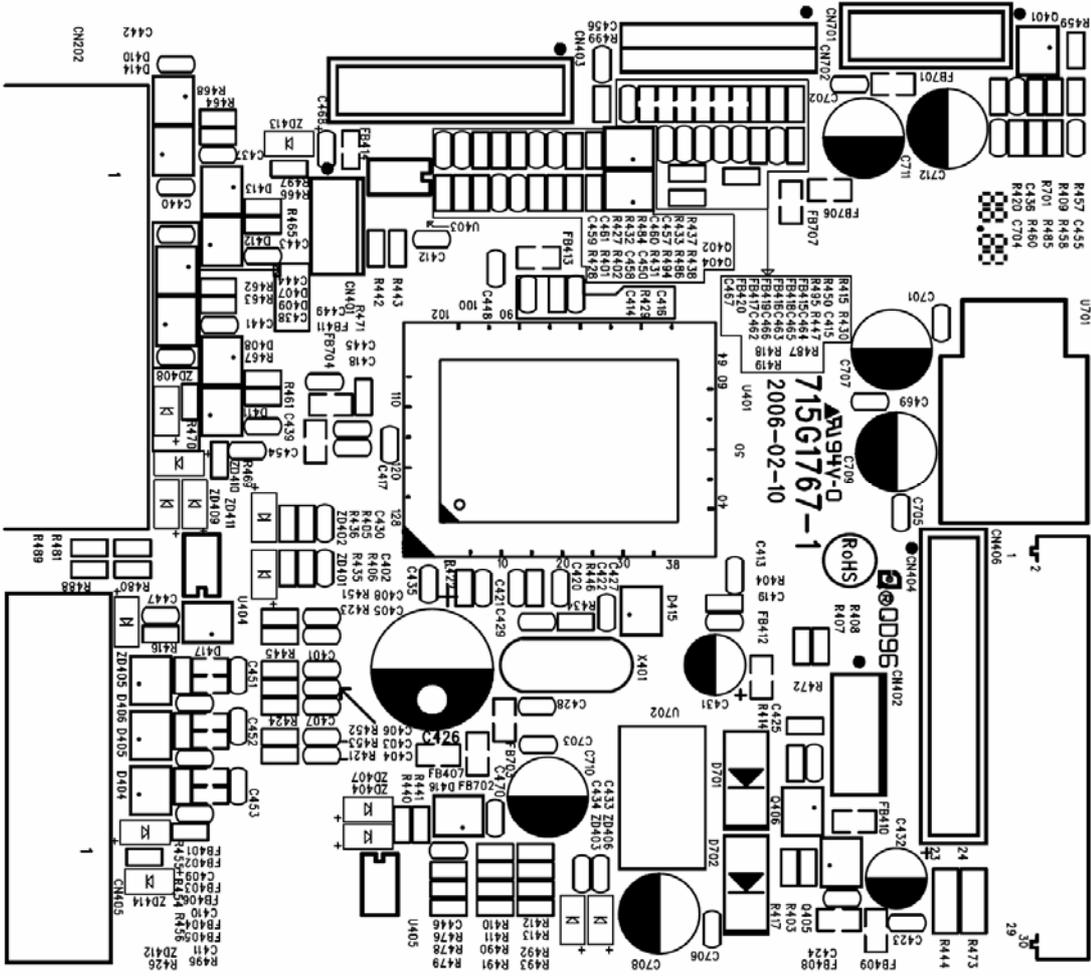


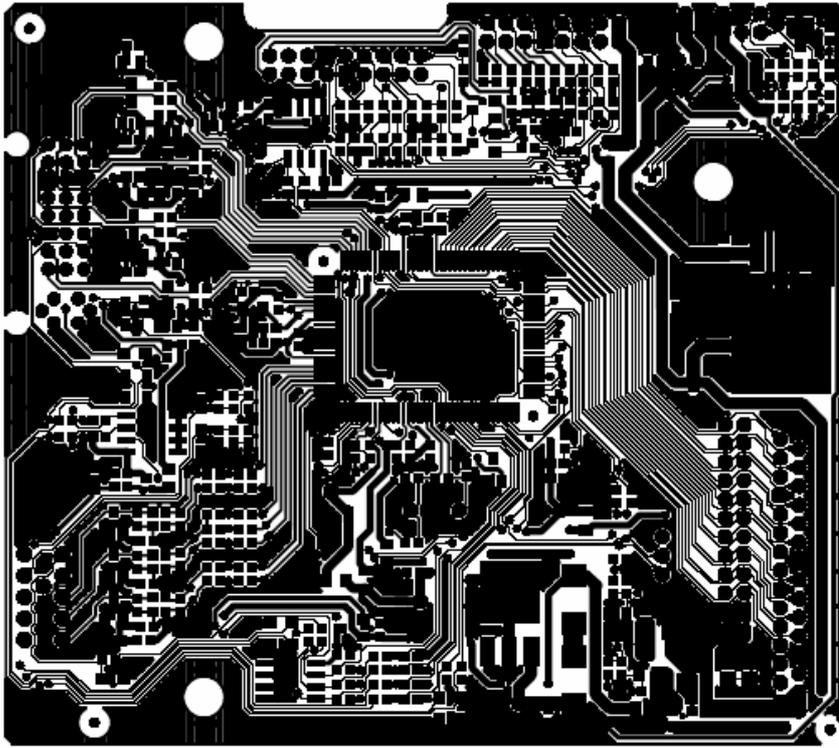
6.3 Audio Board

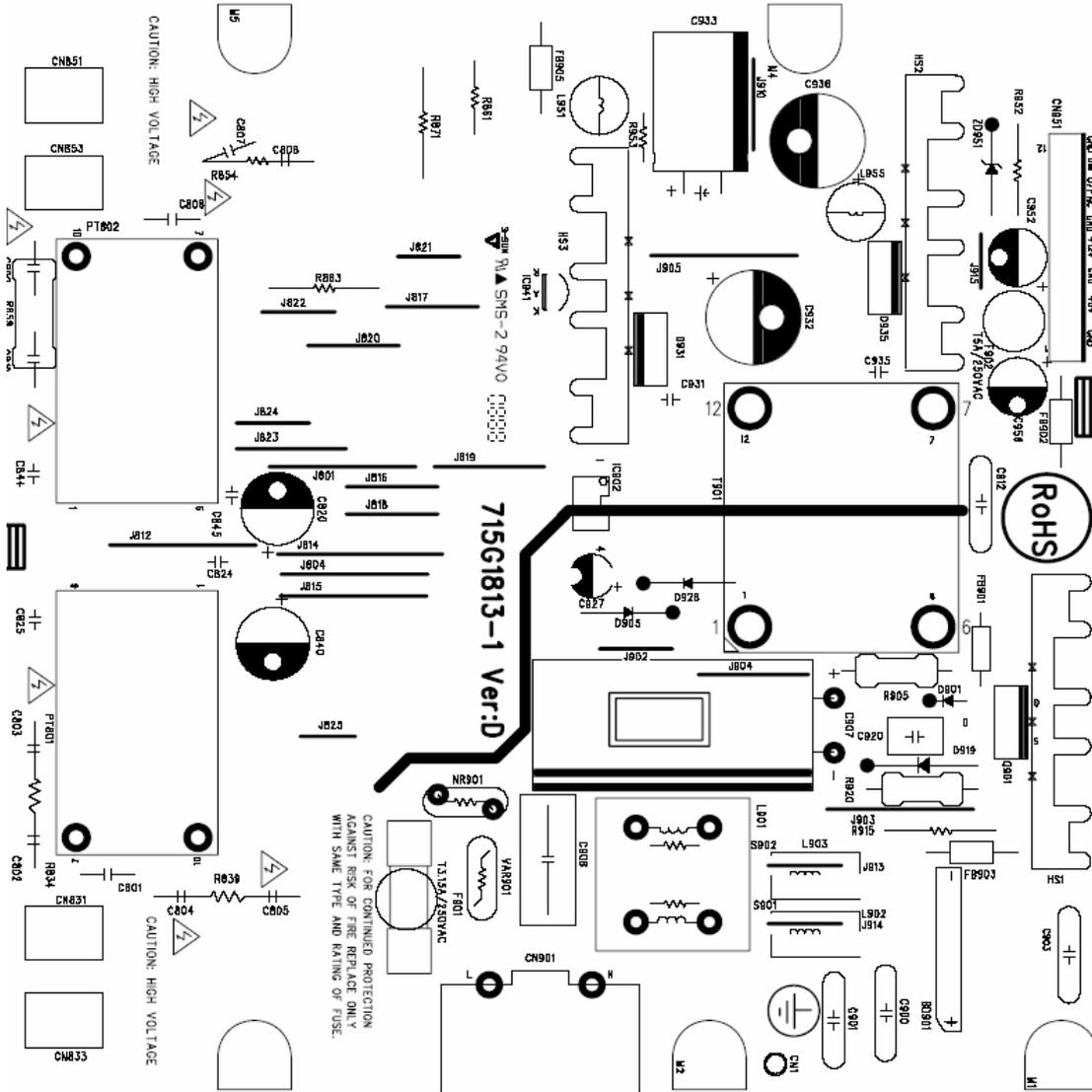


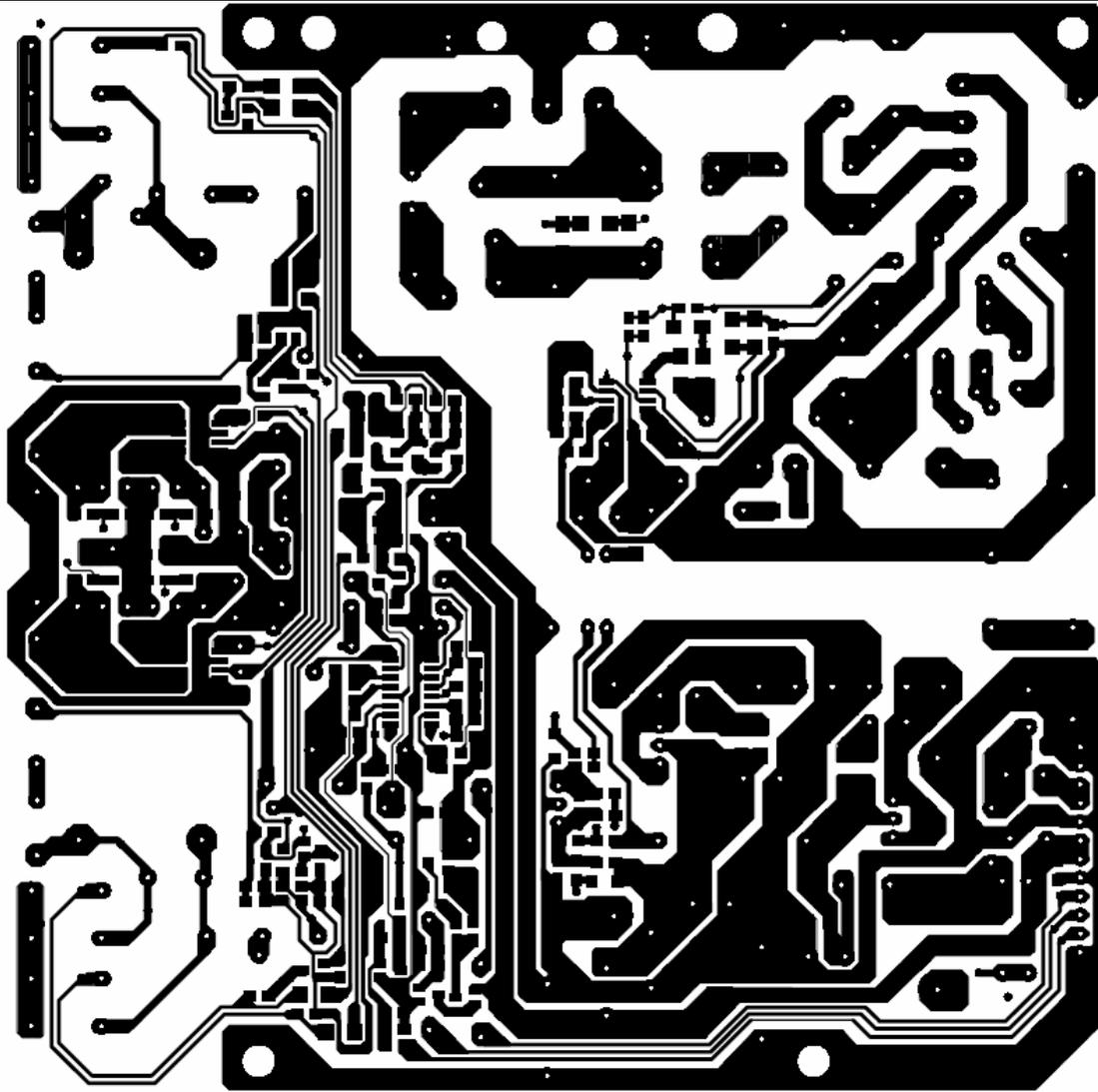
7. PCB Layout

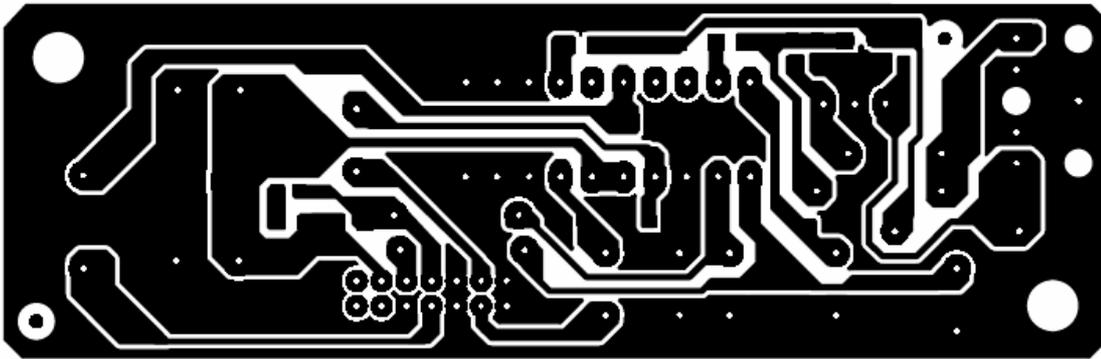
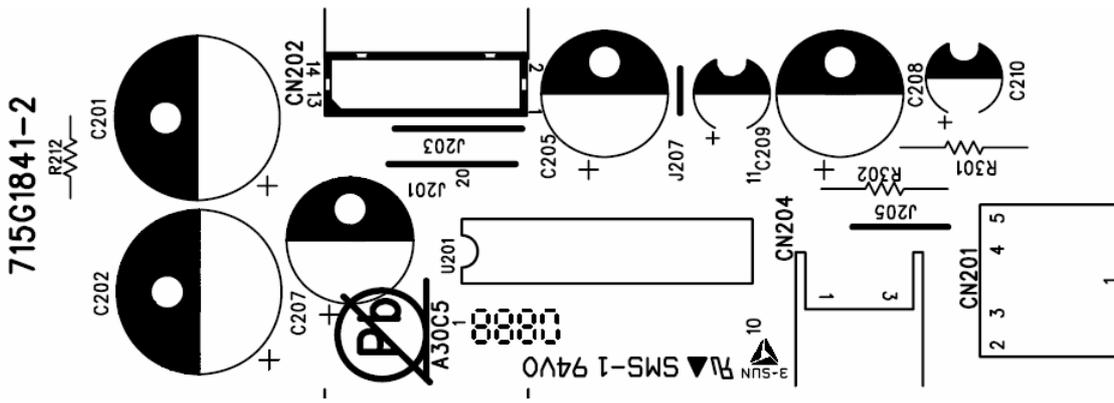
7.1 Main Board



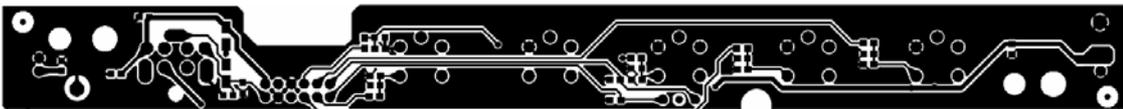








7.4 Key Board



8. Maintainability

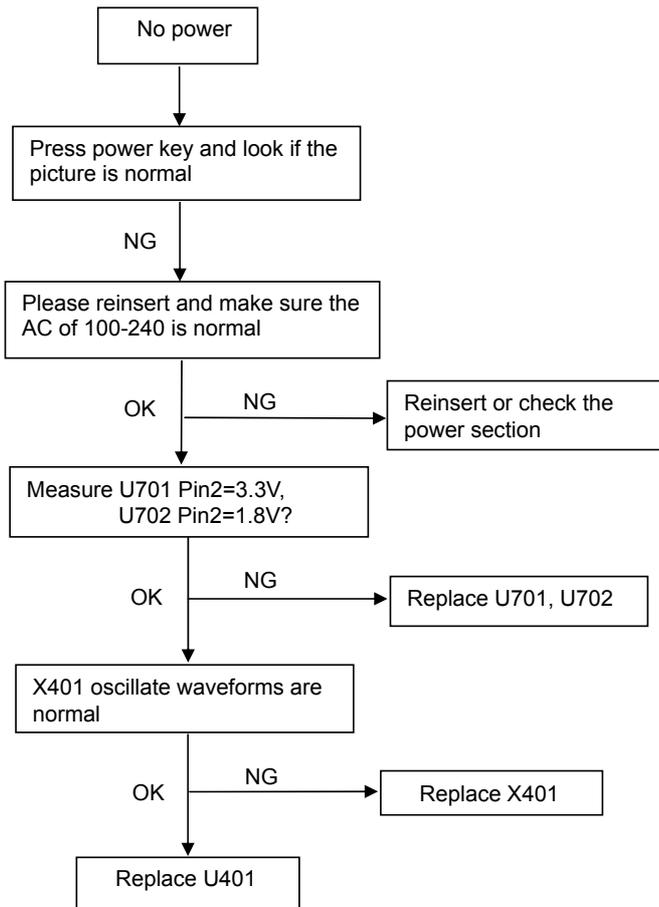
8.1 Equipments and Tools Requirement

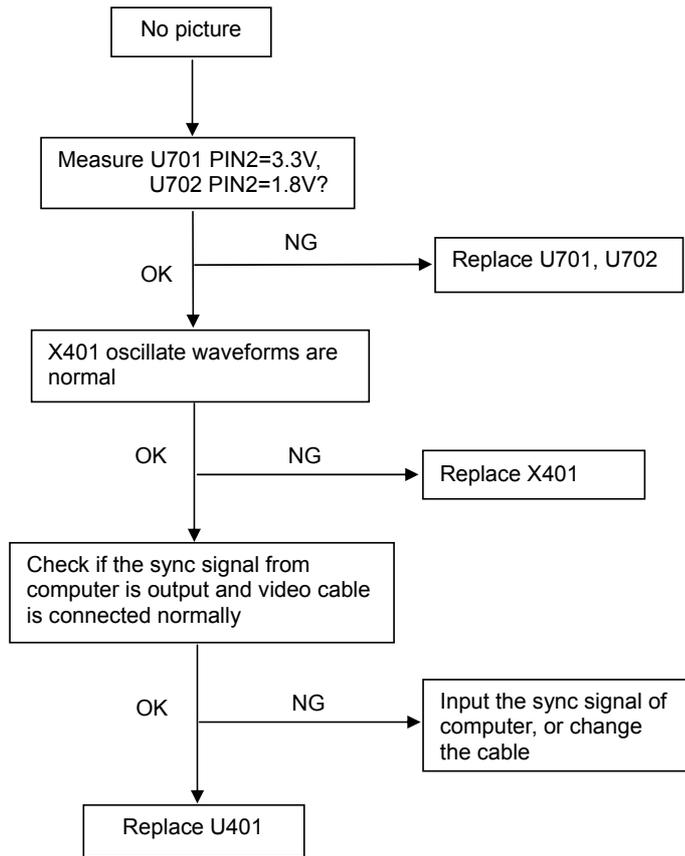
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

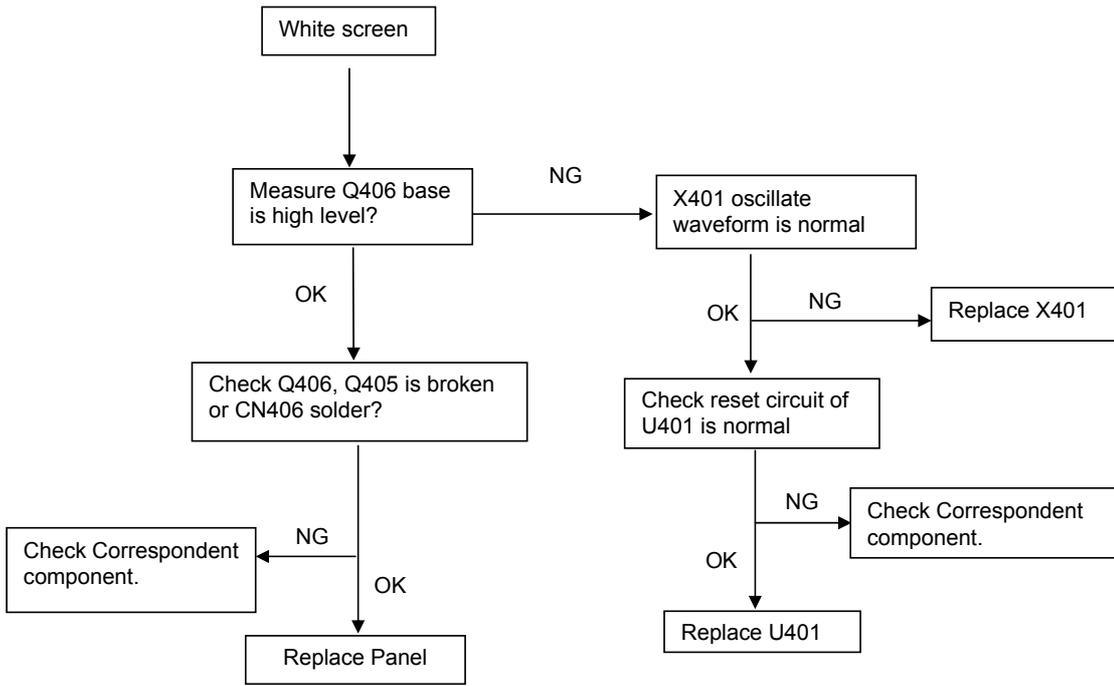
8.2 Trouble Shooting

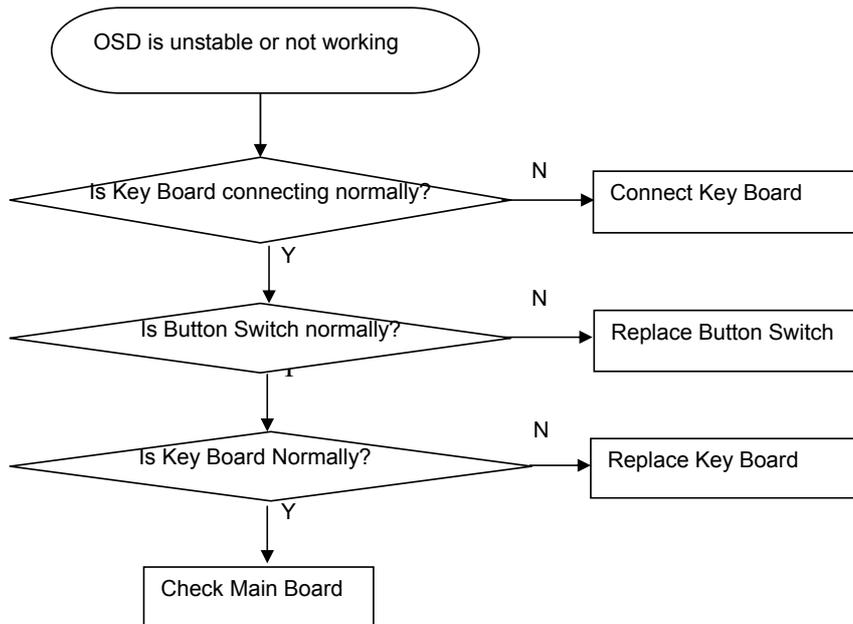
8.2.1 Main Board

(1) No Power





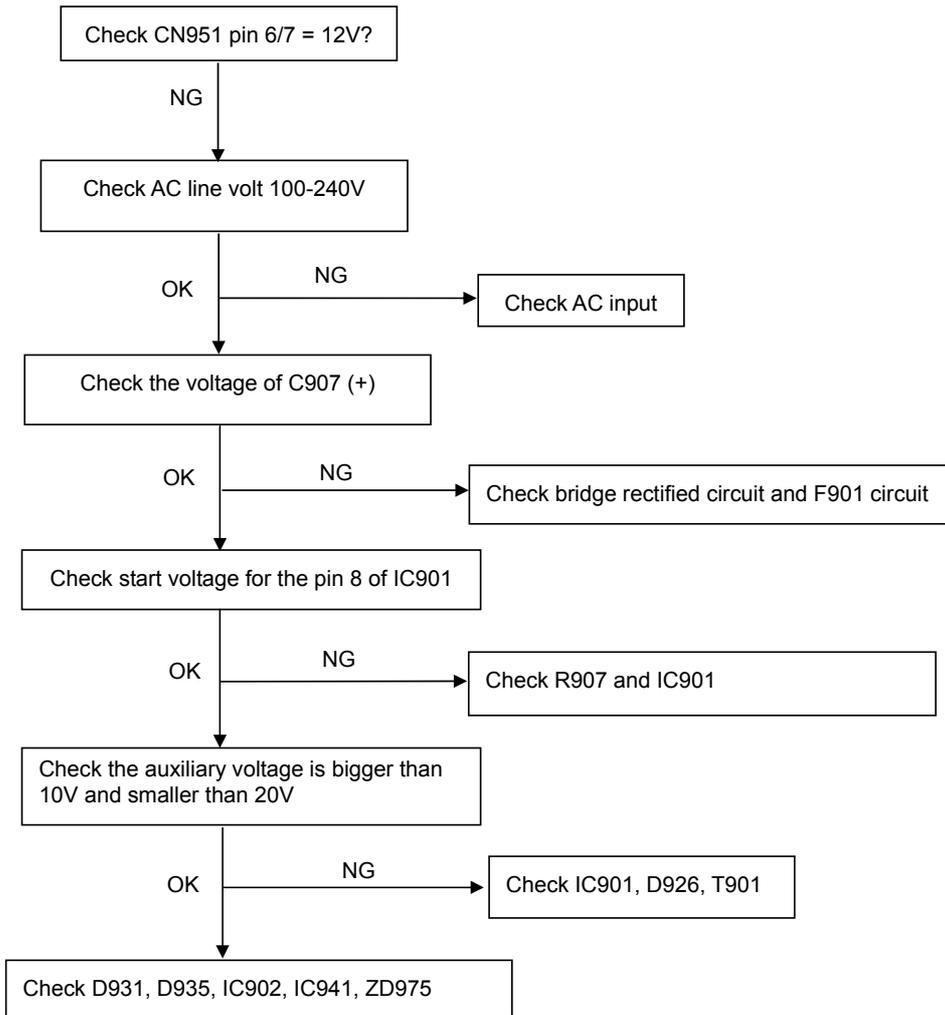




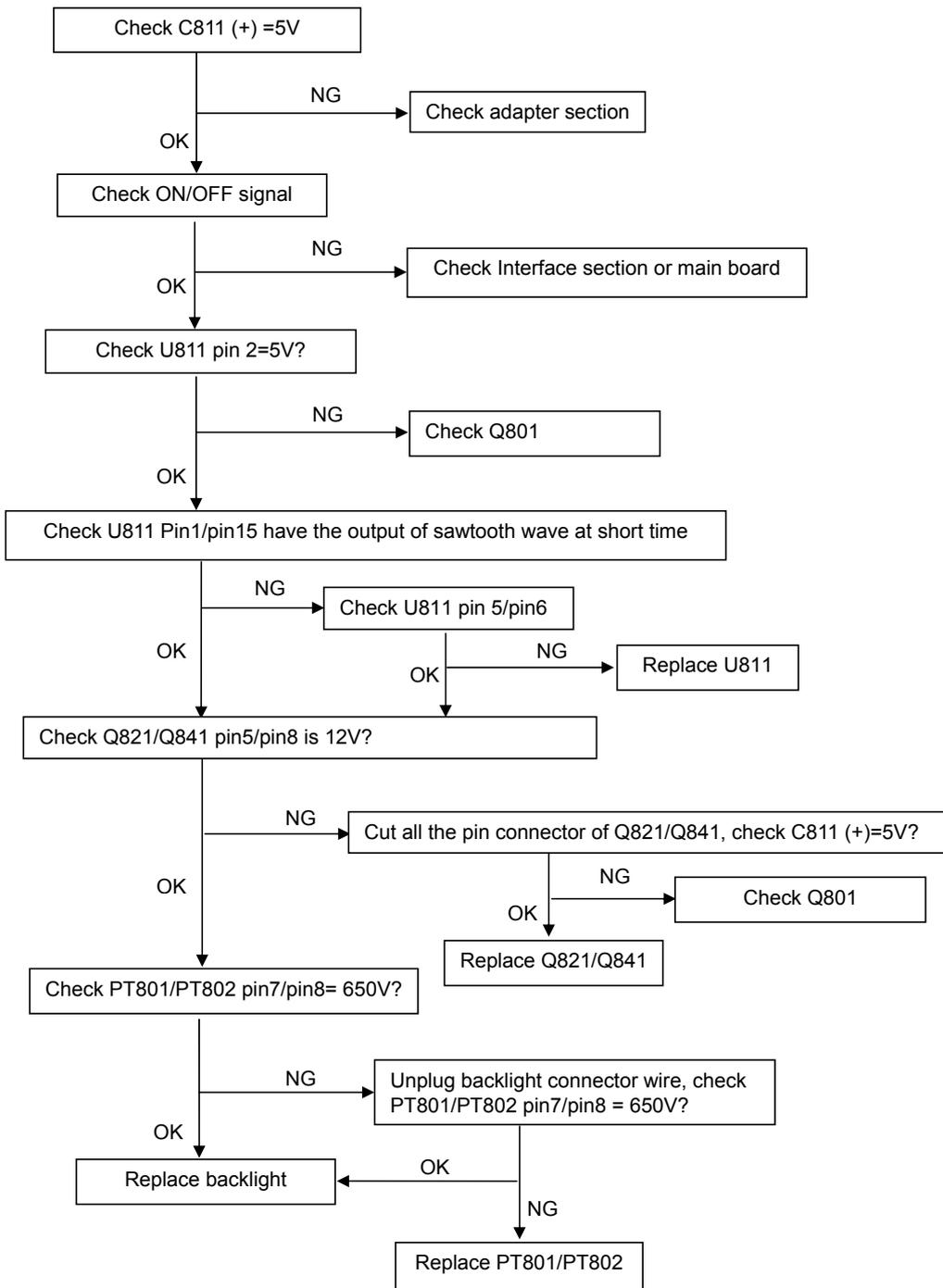
8.2.3 Power/Inverter Board

(1) No power

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(2) Inverter Board
No Power



9. White-Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding White-Balance adjustment.

1. How to do the Chroma-7120 MEM. Channel setting

- A. Reference to chroma 7120 user guide
- B. 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

2. Setting the color temp. you want

- A. MEM.CHANNEL 3 (7800 color):
7800 color temp. parameter is $x = 296 \pm 20$, $y = 311 \pm 20$, $Y = 180 \text{ cd/m}^2$.
- B. MEM.CHANNEL 4 (6500 color):
6500 color temp. parameter is $x = 313 \pm 20$, $y = 329 \pm 20$, $Y = 180 \text{ cd/m}^2$

3. Into factory mode of 712Sa

Turn on power, press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

4. Bias adjustment:

Set the **Contrast**  to 50; Adjust the **Brightness**  to 80.

5. Gain adjustment:

Move cursor to "-F-" and press MENU key

A. Adjust 7800 color-temperature

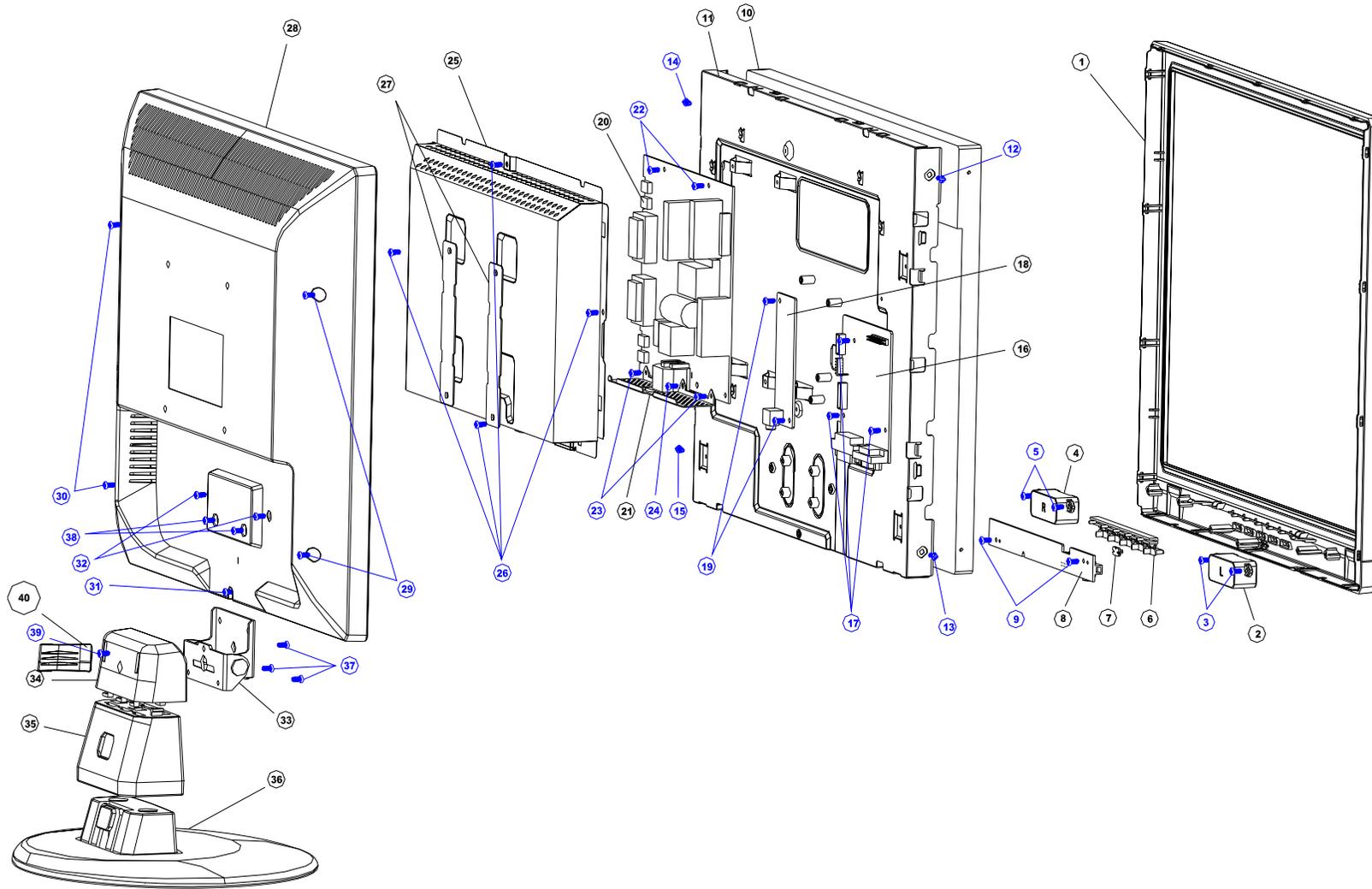
1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM. Channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 296 \pm 20$, $y = 311 \pm 20$, $Y = 180 \text{ cd/m}^2$.
4. Adjust the RED of color1 on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN of color1 on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE of color1 on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$

B. Adjust 6500 color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 4 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 313 \pm 20$, $y = 329 \pm 20$, $Y = 180 \text{ cd/m}^2$
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$

C. Turn the Power-button off to quit from factory mode.

10. Monitor Exploded View



ITEM	Part No.	Description
1	A34G0095 A5A4B	BEZEL
2	078G 322501 L	SPEAKER
3	0Q1G1030 8120	SCREW
4	078G 322502 R	SPEAKER
5	0Q1G 330 8120	SCREW 3X8mm
6	Q33G0090 GM 1L	KEY PAD
7	A33G0074 1 1C	Power Lens
8	715G2253 1	KEY BOARD PCB
9	0Q1G 330 8120	SCREW 3X8mm
10	750GLC70A7P13N	PANEL LCD 17" EA07P 000 CPT
11	A15G0029 8CKD	MANI FRAME
12	0M1G 130 5120	SCREW
13	0M1G 130 5120	SCREW
14	0M1G 130 5120	SCREW
15	0M1G 130 5120	SCREW
16	CBPC6CMNNQP8	MAIN BOARD
17	0M1G1730 8128 CR3	SCREW
18	AUPC6QA8P8	AUDIO BOARD
19	0M1G1730 6120	SCREW
20	PWPC742LGAA1P	POWER BOARD
21	015G8313 1 CKD	AC SOCKET BRACKET
22	0M1G1730 6120	SCREW
23	0M1G1730 6120	SCREW
24	0M1G1730 6120	SCREW
25	Q85G 740 1 3 CKD	SHIELD
26	0M1G 330 4120	SCREW
27	A15G0028 1	VESA BKT
28	A34G0096 GMA1B	REAR COVER(17")
29	0M1G 930 6 47 CR3	SCREW
30	0M1G 930 6 47 CR4	SCREW
31	0Q1G 330 10120	SCREW FOR FP/RC
32	0M1G 340 6 47 CR3	SCREW
33	A37G0007 9	HINGE
34	A34G0053 GM 1B	STAND TOP
35	A34G0054 A5 1B	STAND BUTTOM
36	A34G0097 A5 1B	BASE
37	0Q1G 330 10120	SCREW FOR FP/RC
38	0M1G2940 8 47 CR3	SCREW
39	0M1G 340 10 47 CR3	SCREW
40	705GQ7K0P34 38	CABLE COVER

11. BOM List

T76CNMNQF6A08P

Location	Part No.	Description
	015G8313 1 CKD	AC SOCKET BRACKET
	026G 800504 3	BARCODE LABEL
	040G 154501 1	HI-POT GND LABEL
	044G3231 15596	EVA WASHER
	044G3798624 1A	CARTON
	045G 77500	BARCODE RIBBON
	045G 77501	BARCODE RIBBON
	052G 1174 2A	3M 69#
	052G 1185	MIDDLE TAPE
	052G 1185 1	BIG TAPE
	052G 1186	SMALL TAPE
	052G 1191	GLASS CLOTH
	052G 1192	GLASS CLOTH
	052G 1207 A	ALUMINIUM TAPE
	052G6020 1	PROTECT FILM
E078L	078G 322501 L	SPEAKER
E078L	078G 322501 KL	SPEAKER
E078L	078G 322501 YL	SPK 8OHM 1.5W SU
E078R	078G 322502 R	SPEAKER
E078R	078G 322502 KR	SPK 8OHM 1.5W KUAIDA
E078R	078G 322502 YR	SPK 8OHM 1.5W SU
	089G 17356G553	AUDIO CABLE 1800MM
	089G 725CAA550	SIGNAL CABLE
	089G 725HAA550	SIGNAL CABLE
	089G 725LAA550	SIGNAL CABLE
	089G 725TAA550	SIGNAL CABLE
	089G179J30H558	FFC CABLE
	089G402A15NIS1	POWER CORD
	095G8014 16704 W	WIRE HARNESS
	095G8014 16704 X	WIRE HARNESS
	095G801414D690	WIRE HARNESS
	0M1G 130 5120	SCREW
	0M1G 330 4120	SCREW
	0M1G 340 6 47 CR3	SCREW
	0M1G 340 10 47 CR3	SCREW
	0M1G 930 6 47 CR3	SCREW
	0M1G1140 6120	SCREW
	0M1G1730 6120	SCREW
	0M1G2940 8 47 CR3	SCREW
	0Q1G 330 8120	SCREW 3X8MM
	0Q1G 330 10120	SCREW FOR FP/RC
	705GQ7K0F34 39	BEZEL(17") ASS'Y
	A33G0074 1 1C	POWER LENS
	A34G0095 A5A4B	BEZEL
	Q33G0090 GM 1L	KEY PAD
	705GQ7K0P34 27	STAND/BASE ASS'Y
	012G 394 3	RUBBER FOOT
	0Q1G1030 8120	SCREW

	A34G0053 GM 1B	STAND TOP
	A34G0054 A5 1B	STAND BUTTOM
	A34G0097 A5 1B	BASE
	A37G0007 9	HINGE
	AQ1G1740 10120	SCREW
	750GLC70A7P13N	PANEL LCD 17" EA07P 000 CPT
	A15G0028 1	VESA BKT
	A15G0029 8CKD	MANI FRAME
	A33G0030 GM 1L	CABLE COVER
	A34G0096 GMA1B	REAR COVER(17")
	AUPC6QA8P8	AUDIO BOARD
CN202	033G8027 14	WAFER 14P 2.0MM DIP DUAL ROW
U201	056G 616 1	IC E-TDA7496L ST
C201	067G215L471 3N	KY16VB470M-L 10*12.5
C207	067G215L471 3N	KY16VB470M-L 10*12.5
C208	067G215L471 3N	KY16VB470M-L 10*12.5
C205	067G215L471 3N	KY16VB470M-L 10*12.5
C202	067G215L471 3N	KY16VB470M-L 10*12.5
CN201	088G 30214K	PHONE JACK 5PIN
	Q90G6093 2	HEAT SINK
R207	061G0603102	RST CHIP 1K 1/10W 5%
R208	061G0603102	RST CHIP 1K 1/10W 5%
R210	061G0603203	RST CHIPR 20 KOHM +-5% 1/10W
R211	061G0603203	RST CHIPR 20 KOHM +-5% 1/10W
R202	061G0603204	RST CHIPR 200 KOHM +-5% 1/10W
C211	065G0805102 32	CHIP 1000P 50VX7R 0805
C212	065G0805102 32	CHIP 1000P 50VX7R 0805
C203	065G0805104 32	CHIP 0.1U 50V X7R
C213	065G0805104 32	CHIP 0.1U 50V X7R
C204	065G0805474 22	CHIP 0.47UF 25V X7R 0805
C206	065G0805474 22	CHIP 0.47UF 25V X7R 0805
R302	061G 60218352T	18KOHM 5% 1/6
R301	061G 60218352T	18KOHM 5% 1/6
R212	061G 60222452T	220KOHM 5% 1/6W
C210	067G 2151007NT	KY50VB10M-TP5 5*11.5
C209	067G 2151007NT	KY50VB10M-TP5 5*11.5
C210	067G 2151007RT	LOW E.S.R 10UF +/-20% 50V
C209	067G 2151007RT	LOW E.S.R 10UF +/-20% 50V
C210	067G215Y1007KT	KY50VB10M-TP5 5*11.5
C209	067G215Y1007KT	KY50VB10M-TP5 5*11.5
	715G1841 2	AUDIO BOARD PCB
	CBPC6CMNNQP8	MAIN BOARD
CN406	033G801930F H	FPC CONN. 1.0MM 30P
CN701	033G8027 12	WAFER 2*6P 2.0MM R/A
CN702	033G8027 14	WAFER 14P 2.0MM DIP DUAL ROW
CN403	033G8027 16	WAFER 16PIN 2.0MM DIP
	040G 457624 1B	LABEL-CPU
	040G 45762412B	CBPC LABEL
C707	067G215L101 4N	KY25VB100M-L 6.3*11
C708	067G215L101 4N	KY25VB100M-L 6.3*11
C709	067G215L101 4N	KY25VB100M-L 6.3*11

C710	067G215L101 4N	KY25VB100M-L 6.3*11
C711	067G215L101 4N	KY25VB100M-L 6.3*11
C712	067G215L101 4N	KY25VB100M-L 6.3*11
C426	067G215L471 3N	KY16VB470M-L 10*12.5
C431	067G215V470 4N	KY25VB47-M-CC3.0 5*11MM
C432	067G215Y479 7N	LOW ESR EC 4.7 UF 50V NC
CN405	088G 35315F H	D-SUB 15PIN
CN405	088G 35315F HJ	SOC SUBD H 15P F
X401	093G 22 51	CRYSTAL 12MHZ HC-49US ARG6-120
U401	056G 562112 G	IC NT68623MEFG-64/G NOVATEK
U701	056G 563 21	AP1084K33LA
U702	056G 563 31	AI1117D-1.8-EI
U403	056G1133 24	AT24C16AN-10SU-2.7
U405	056G1133 34	M24C02-WMN6TP
Q401	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q406	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q402	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q404	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q405	057G 763 1	A03401 SOT23 BY AOS(A1)
FB402	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
FB405	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
FB406	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R410	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R411	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R416	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R450	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R457	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R494	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R495	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R499	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R453	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R452	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R451	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R441	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R440	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R408	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R407	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R406	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R405	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R496	061G0603102	RST CHIP 1K 1/10W 5%
R484	061G0603102	RST CHIP 1K 1/10W 5%
R433	061G0603102	RST CHIP 1K 1/10W 5%
R432	061G0603102	RST CHIP 1K 1/10W 5%
R431	061G0603102	RST CHIP 1K 1/10W 5%
R428	061G0603102	RST CHIP 1K 1/10W 5%
R427	061G0603102	RST CHIP 1K 1/10W 5%
R426	061G0603102	RST CHIP 1K 1/10W 5%
R422	061G0603102	RST CHIP 1K 1/10W 5%
R420	061G0603102	RST CHIP 1K 1/10W 5%
R476	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R472	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W

R459	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R458	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R401	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R402	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R415	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R417	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R418	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R419	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R430	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R446	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R403	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R404	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R414	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R434	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R424	061G0603151	RST CHIPR 150 OHM +-5% 1/10W
R423	061G0603151	RST CHIPR 150 OHM +-5% 1/10W
R421	061G0603151	RST CHIPR 150 OHM +-5% 1/10W
R435	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R436	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R442	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R443	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R437	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R445	061G0603390 0F	RST CHIPR 390 OHM +-1% 1/10W
R438	061G0603391	RST CHIPR 390 OHM +-5% 1/10W
R701	061G0603470	RST CHIPR 47 OHM +-5% 1/10W
R447	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R460	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R478	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R479	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R454	061G0603750	RST CHIPR 75 OHM +-5% 1/10W
R455	061G0603750	RST CHIPR 75 OHM +-5% 1/10W
R456	061G0603750	RST CHIPR 75 OHM +-5% 1/10W
R444	061G1206301	RST CHIPR 300 OHM +-5% 1/4W
R473	061G1206301	RST CHIPR 300 OHM +-5% 1/4W
C429	065G0603100 31	CHIP 10PF+-0.5PF 50V NPO
C450	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R
C401	065G0603102 31	CHIP 1000PF 50V NPO
C402	065G0603102 31	CHIP 1000PF 50V NPO
C456	065G0603102 31	CHIP 1000PF 50V NPO
C457	065G0603102 31	CHIP 1000PF 50V NPO
C458	065G0603102 31	CHIP 1000PF 50V NPO
C459	065G0603102 31	CHIP 1000PF 50V NPO
C460	065G0603102 31	CHIP 1000PF 50V NPO
C461	065G0603102 31	CHIP 1000PF 50V NPO
C462	065G0603102 31	CHIP 1000PF 50V NPO
C463	065G0603102 31	CHIP 1000PF 50V NPO
C464	065G0603102 31	CHIP 1000PF 50V NPO
C465	065G0603102 31	CHIP 1000PF 50V NPO
C466	065G0603102 31	CHIP 1000PF 50V NPO
C467	065G0603102 31	CHIP 1000PF 50V NPO
C469	065G0603102 31	CHIP 1000PF 50V NPO

C470	065G0603102 31	CHIP 1000PF 50V NPO
C701	065G0603102 32	1000PF +-10% 50V X7R
C413	065G0603104 12	CER2 0603 X7R 16V 100N P
C414	065G0603104 12	CER2 0603 X7R 16V 100N P
C416	065G0603104 12	CER2 0603 X7R 16V 100N P
C704	065G0603104 12	CER2 0603 X7R 16V 100N P
C703	065G0603104 12	CER2 0603 X7R 16V 100N P
C702	065G0603104 12	CER2 0603 X7R 16V 100N P
C455	065G0603104 12	CER2 0603 X7R 16V 100N P
C449	065G0603104 12	CER2 0603 X7R 16V 100N P
C448	065G0603104 12	CER2 0603 X7R 16V 100N P
C446	065G0603104 12	CER2 0603 X7R 16V 100N P
C436	065G0603104 12	CER2 0603 X7R 16V 100N P
C425	065G0603104 12	CER2 0603 X7R 16V 100N P
C424	065G0603104 12	CER2 0603 X7R 16V 100N P
C423	065G0603104 12	CER2 0603 X7R 16V 100N P
C422	065G0603104 12	CER2 0603 X7R 16V 100N P
C421	065G0603104 12	CER2 0603 X7R 16V 100N P
C420	065G0603104 12	CER2 0603 X7R 16V 100N P
C419	065G0603104 12	CER2 0603 X7R 16V 100N P
C418	065G0603104 12	CER2 0603 X7R 16V 100N P
C706	065G0603104 12	CER2 0603 X7R 16V 100N P
C705	065G0603104 12	CER2 0603 X7R 16V 100N P
C417	065G0603104 12	CER2 0603 X7R 16V 100N P
C411	065G0603104 12	CER2 0603 X7R 16V 100N P
C410	065G0603104 12	CER2 0603 X7R 16V 100N P
C409	065G0603104 12	CER2 0603 X7R 16V 100N P
C427	065G0603220 31	CER1 0603 NP0 50V 22P PM
C428	065G0603220 31	CER1 0603 NP0 50V 22P PM
C430	065G0603220 31	CER1 0603 NP0 50V 22P PM
C412	065G0603224 17	CAP:CER 0.22UF-20%-80% 16V
C403	065G0603473 32	CHIP 0.047UF 50V X7R
C404	065G0603473 32	CHIP 0.047UF 50V X7R
C405	065G0603473 32	CHIP 0.047UF 50V X7R
C406	065G0603473 32	CHIP 0.047UF 50V X7R
C408	065G0603473 32	CHIP 0.047UF 50V X7R
C407	065G0603473 32	CHIP 0.047UF 50V X7R
FB407	071G 56D102	B201209D102TT
FB408	071G 56K121 M	CHIP BEAD
FB410	071G 56K121 M	CHIP BEAD
FB412	071G 56K121 M	CHIP BEAD
FB413	071G 56K121 M	CHIP BEAD
FB701	071G 56K121 M	CHIP BEAD
FB702	071G 56K121 M	CHIP BEAD
FB703	071G 56K121 M	CHIP BEAD
FB704	071G 56K121 M	CHIP BEAD
FB418	071G 59B121 K	CHIP BEAD 120 OHM 0603
FB415	071G 59B121 K	CHIP BEAD 120 OHM 0603
FB414	071G 59B121 K	CHIP BEAD 120 OHM 0603
FB404	071G 59B300 K	CHIP BEAD 30 OHM 0603
FB403	071G 59B300 K	CHIP BEAD 30 OHM 0603

FB401	071G 59B300 K	CHIP BEAD 30 OHM 0603
D415	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D416	093G 64 42 P	BAV70 SOT-23
D406	093G 6433P	BAV99
D405	093G 6433P	BAV99
D404	093G 6433P	BAV99
ZD414	093G 39P599 T	MM3Z5V6B
ZD412	093G 39P599 T	MM3Z5V6B
ZD407	093G 39P599 T	MM3Z5V6B
ZD406	093G 39P599 T	MM3Z5V6B
ZD405	093G 39P599 T	MM3Z5V6B
ZD404	093G 39P599 T	MM3Z5V6B
ZD403	093G 39P599 T	MM3Z5V6B
ZD402	093G 39P599 T	MM3Z5V6B
ZD401	093G 39P599 T	MM3Z5V6B
ZD401	093G 39S 34 T	UDZS5.6B
ZD402	093G 39S 34 T	UDZS5.6B
ZD403	093G 39S 34 T	UDZS5.6B
ZD404	093G 39S 34 T	UDZS5.6B
ZD405	093G 39S 34 T	UDZS5.6B
ZD406	093G 39S 34 T	UDZS5.6B
ZD407	093G 39S 34 T	UDZS5.6B
ZD412	093G 39S 34 T	UDZS5.6B
ZD414	093G 39S 34 T	UDZS5.6B
D701	093G2040 3F	FA20-04
D702	093G2040 3F	FA20-04
	715G1767 1	MAIN BOARD PCB
	KEPC6QA8P8	KEY BOARD
CN004	033G3802 2H	WAFER 2P RIGHT ANGLE
CN003	033G3802 2H	WAFER 2P RIGHT ANGLE
CN001	033G8027 12 H	PIN HEADER 2*6 R/A
SW005	077G 600 1 CJ	TACT SWITCH
SW003	077G 600 1 CJ	TACT SWITCH
SW004	077G 600 1 CJ	TACT SWITCH
SW002	077G 600 1 CJ	TACT SWITCH
SW001	077G 600 1 CJ	TACT SWITCH
DP101	081G 12 2 GP	GP36032ME/50-ZO
CN002	088G 30211K	PHONE JACK 5PIN
R102	061G0805102	CHIP 1KOHM 1/10W
R101	061G0805102	CHIP 1KOHM 1/10W
C109	065G0603471 32	CHIP 470PF 50V X7R
C108	065G0603471 32	CHIP 470PF 50V X7R
C102	065G0603471 32	CHIP 470PF 50V X7R
C101	065G0603471 32	CHIP 470PF 50V X7R
FB101	071G 59G301	CHIP BEAD 300OHM
FB102	071G 59G301	CHIP BEAD 300OHM
FB103	071G 59G301	CHIP BEAD 300OHM
FB104	071G 59G301	CHIP BEAD 300OHM
FB105	071G 59G301	CHIP BEAD 300OHM
ZD101	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD102	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ

ZD103	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD104	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD105	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD106	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD107	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD108	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD109	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
	715G2253 1	KEY BOARD PCB
	PWPC742LGAA1P	POWER BOARD
CN831	033G8021 2E F	WAFER
CN833	033G8021 2E F	WAFER
CN851	033G8021 2E F	WAFER
CN853	033G8021 2E F	WAFER
CN831	033G8021 2E U	WAFER
CN833	033G8021 2E U	WAFER
CN851	033G8021 2E U	WAFER
CN853	033G8021 2E U	WAFER
	040G 45762412B	CBPC LABEL
	051G 6 4503	RTV 胶
IC902	056G 139 3A	PC123Y22FZOF
IC902	056G 139 3B	PC123 Y82FZ0F
IC902	056G 139 5A	TCET1103G
NR901	061G 5810T	RST NTCR 8 OHM +-20% 4A 13MM THINKING
R905	061G152M104 64	100KOHM 5% 2W
R920	061G152M208 64	0.20 OHM 2W
C808	065G 3J5096ET	5PF 5% SL 3KV
C807	065G 3J5096ET	5PF 5% SL 3KV
C803	065G 3J5096ET	5PF 5% SL 3KV
C802	065G 3J5096ET	5PF 5% SL 3KV
C801	065G 6J1006ET	10PF 5% SL 6KV
C806	065G 6J1006ET	10PF 5% SL 6KV
C900	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C912	065G305M2222BP	2200PF +-20%
C936	067G215D222 2K	105 2200UF M 10V
C936	067G215D2222KV	105 2200UF M 10V
C840	067G215D4714KV	EC 105 CAP 470UF M 25V
C840	067G215L471 4H	470UF 25V
C907	067G215S10115K	100UF 450V
C933	067G215S102 4K	EC CAP 1000UF M 25V
C932	067G215S1024KV	EC 105 CAP 1000UF M 25V
C840	067G215Y471 4H	EC CAP 105 度 470UF 25V
C907	067G215Z10115K	ELCAP 100UF M 450V
C907	067G305T10115H	ELCAP 105 100UF M 450V
L902	071G 55 24	FERRITE BEAD
L903	071G 55 24	FERRITE BEAD
L901	073G 174 65 H	LINE FILTER
L901	073G 174 65 LS	LINE FILTER BY LISHIN
L955	073G 253902 H	IND CHOKE 0.8UH MIN DADO
L951	073G 253902 H	IND CHOKE 0.8UH MIN DADO
L955	073G 253902 S	IND CHOKE 0.8UH MIN TAIC

L951	073G 253902 S	IND CHOKE 0.8UH MIN TAIC
L955	073G 253902 T	CKOLE COIL 0.8UH
L951	073G 253902 T	CKOLE COIL 0.8UH
L955	073G 253902 YS	IND CHOKE 0.8UH MIN TOP
L951	073G 253902 YS	IND CHOKE 0.8UH MIN TOP
T901	080GL17T900 L	XFMR FOR POWER LITAI
T901	080GL17T900 N	XFMR FOR POWER YUVA
T901	080GL17T900 T	X'FMR SRW28LEC-T93H016
PT802	080GL19T 8DN1	X'FMR DARFONTK.2006M.101
PT801	080GL19T 8DN1	X'FMR DARFONTK.2006M.101
CN901	087G 501 32 S	AC SOCKET
BD901	093G 50460 16	U4KB80R
BD901	093G 50460900	BRIDGE DIODE GBU408 LITEON
D901	093G 6026T52T	RECTIFIER DIODE FR107
D901	093G 60902	BYT42J
CN951	095G8013 12 16	HARNESS
	705G 078057001	Q901 ASSY
Q901	057G 600 35	STP8NK80ZFP
Q901	057G 667 22	FQPF8N80C
	090G6064 1	HEAT SINK
	0M1G1730 8128 CR3	SCREW
	705G 078093010	D931 ASS'Y
	090G6064 1	HEAT SINK
D931	093G 60267	SP10100
D931	093G 60901	MBRF10H100CT ITO-220AB
	0M1G1730 8128 CR3	SCREW
	705G 078093011	D935 ASS'Y
	090G6064 1	HEAT SINK
D935	093G 60240	YG802C06R TO-220F15
D935	093G 60526	SCHOTTKY MBRF1060CT ITO-220AB
D935	093G1506 2	FMW-2156
	0M1G1730 8128 CR3	SCREW
IC901	056G 564911	IC TEA1532AT S08
U811	056G 608 10	IC OZ9938GN-B SOIC-16
Q874	057G 417 12 T	KEC 2N3904S-RTK/PS
Q886	057G 759 2	RK7002
Q885	057G 759 2	RK7002
Q883	057G 759 2	RK7002
Q881	057G 759 2	RK7002
Q880	057G 759 2	RK7002
Q801	057G 759 2	RK7002
Q871	057G 759 2	RK7002
Q873	057G 760 4B	PDTA144WK SOT346
Q841	057G 763 6	AO4828L
Q821	057G 763 6	AO4828L
Q841	057G 763 14	AM9945N
Q821	057G 763 14	AM9945N
RJ827	061G0805000	0 OHM 1/10W
RJ801	061G0805000	0 OHM 1/10W
R849	061G0805000	0 OHM 1/10W
R829	061G0805000	0 OHM 1/10W

R843	061G0805100	10 OHM 1/10W
R842	061G0805100	10 OHM 1/10W
R823	061G0805100	10 OHM 1/10W
R822	061G0805100	10 OHM 1/10W
R835	061G0805100 2F	RST CHIPR 10KOHM +-1% 1/8W
R836	061G0805100 2F	RST CHIPR 10KOHM +-1% 1/8W
R855	061G0805100 2F	RST CHIPR 10KOHM +-1% 1/8W
R856	061G0805100 2F	RST CHIPR 10KOHM +-1% 1/8W
R946	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R941	061G0805102	CHIP 1KOHM 1/10W
R888	061G0805102	CHIP 1KOHM 1/10W
R886	061G0805102	CHIP 1KOHM 1/10W
R884	061G0805102	CHIP 1KOHM 1/10W
R882	061G0805102	CHIP 1KOHM 1/10W
R851	061G0805102	CHIP 1KOHM 1/10W
R831	061G0805102	CHIP 1KOHM 1/10W
R801	061G0805103	10 KOHM 1/10W
R804	061G0805103	10 KOHM 1/10W
R807	061G0805103	10 KOHM 1/10W
R880	061G0805103	10 KOHM 1/10W
R872	061G0805104	RST CHIP 100K 1/8W 5%
R802	061G0805104	RST CHIP 100K 1/8W 5%
R881	061G0805104	RST CHIP 100K 1/8W 5%
R883	061G0805104	RST CHIP 100K 1/8W 5%
R885	061G0805104	RST CHIP 100K 1/8W 5%
R887	061G0805104	RST CHIP 100K 1/8W 5%
R819	061G0805105	1MOHM 1/10W
R912	061G0805105	1MOHM 1/10W
R833	061G0805122	RST CHIPR 1.2 KOHM +-5% 1/8W
R853	061G0805122	RST CHIPR 1.2 KOHM +-5% 1/8W
R923	061G0805123	RST CHIPR 12 KOHM +-5% 1/8W
R914	061G0805124 1F	RST CHIPR 1.24 KOHM +-1% 1/8W
R954	061G0805151	RST CHIPR 150 OHM +-5% 1/8W
R916	061G0805152	RST CHIPR 1.5 KOHM +-5% 1/8W
R873	061G0805202	RST CHIP 2K 1/8W 5%
R816	061G0805203	CHIP 20KOHM 1/10W
R865	061G0805232 0F	RST CHIPR 232 OHM +-1% 1/8W
R815	061G0805303	RST CHIPR 30 KOHM +-5% 1/8W
R813	061G0805330 2F	33 KOHM 1/10W 1%
R874	061G0805331	RST CHIPR 330 OHM +-5% 1/8W
R917	061G0805333	RST CHIPR 33 KOHM +-5% 1/8W
R811	061G0805335	3.3M 0805
R943	061G0805510 1F	RST CHIPR 5.1 KOHM +-1% 1/8W
R812	061G0805624	RST CHIPR 620 KOHM +-5% 1/8W
R825	061G0805752	RST CHIPR 7.5 KOHM +-5% 1/8W
R837	061G0805752	RST CHIPR 7.5 KOHM +-5% 1/8W
R944	061G0805910 1F	RST CHIPR 9.1 KOHM +-1% 1/8W
R945	061G0805910 1F	RST CHIPR 9.1 KOHM +-1% 1/8W
R918	061G1206000	0 OHM 1/8W
R926	061G1206000	0 OHM 1/8W
RJ804	061G1206000	0 OHM 1/8W

R907	061G1206103	10 KOHM 1/8W
R910	061G1206155	RST CHIPR 1.5 MOHM +-5% 1/4W
R904	061G1206155	RST CHIPR 1.5 MOHM +-5% 1/4W
R937	061G1206182	RST CHIPR 1.8 KOHM +-5% 1/4W
R931	061G1206229	RST CHIPR 2.2 OHM +-5% 1/4W
R932	061G1206229	RST CHIPR 2.2 OHM +-5% 1/4W
R927	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R900	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R901	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R902	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
C838	065G0805102 31	1000PF 50V NPO
C861	065G0805102 31	1000PF 50V NPO
C819	065G0805103 22	CHIP 0.01UF 25V X7R 0805
C881	065G0805103 22	CHIP 0.01UF 25V X7R 0805
C883	065G0805103 22	CHIP 0.01UF 25V X7R 0805
C885	065G0805103 22	CHIP 0.01UF 25V X7R 0805
C887	065G0805103 22	CHIP 0.01UF 25V X7R 0805
C812	065G0805104 22	0.1UF +-10% 25V X7R 080
C832	065G0805104 22	0.1UF +-10% 25V X7R 080
C880	065G0805104 22	0.1UF +-10% 25V X7R 080
C913	065G0805104 22	0.1UF +-10% 25V X7R 080
C951	065G0805104 22	0.1UF +-10% 25V X7R 080
C955	065G0805104 22	0.1UF +-10% 25V X7R 080
C914	065G0805105 22	CHIP 1UF 25V X7R 0805
C874	065G0805105 22	CHIP 1UF 25V X7R 0805
C846	065G0805105 22	CHIP 1UF 25V X7R 0805
C841	065G0805105 22	CHIP 1UF 25V X7R 0805
C821	065G0805105 22	CHIP 1UF 25V X7R 0805
C811	065G0805105 22	CHIP 1UF 25V X7R 0805
C915	065G0805123 22	CHIP 12NF 25V X7R 0805
C860	065G0805221 22	CHIP 220PF 25V X7R 0805
C843	065G0805222 32	CHIP 2200PF 50V X7R 0805
C842	065G0805222 32	CHIP 2200PF 50V X7R 0805
C823	065G0805222 32	CHIP 2200PF 50V X7R 0805
C822	065G0805222 32	CHIP 2200PF 50V X7R 0805
C847	065G0805223 22	CHIP 0.022UF 25V X7R 080
C831	065G0805331 32	CHIP 330P 50V X7R 0805
C865	065G0805333 32	CHIP 0.033UF 50V
C917	065G0805334 22	0.33UF+-10% 25V X7R 0805
C858	065G0805391 31	CHIP 390PF 50V
C813	065G0805561 31	CHIP 560PF 50V NPO 0805
C941	065G0805562 21	5600PF/25V/NPO/J
D831	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D851	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D833	093G 64 42 PP	BAV70 SOT-23
D853	093G 64 42 PP	BAV70 SOT-23
D881	093G 64 44 S	LL4148WP
D883	093G 64 44 S	LL4148WP
D885	093G 64 44 S	LL4148WP
D887	093G 64 44 S	LL4148WP
ZD874	093G 39S 24 T	RLZ 5.6B LLDS

ZD975	093G 39S 25 T	RLZ5.1B LLDS
CN901	006G 31500	EYELET
NR901	006G 31502	1.5MM RIVET
PT801	006G 31502	1.5MM RIVET
PT802	006G 31502	1.5MM RIVET
T901	006G 31502	1.5MM RIVET
C907	006G 31502	1.5MM RIVET
L901	006G 31502	1.5MM RIVET
IC941	056G 158 4 T	H431BA
IC941	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
R915	061G 17210052T	100HM 5% 1/4W
R952	061G 17210052T	100HM 5% 1/4W
R871	061G 17210352T	CFR 10KOHM +-5% 1/4W
R861	061G 20010452T	100K OHM 1/4W 1%
R863	061G 20033352T	33KOHM 1% 1/4W
R839	061G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
R859	061G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
C920	065G 2K102 5T6921	CAP CER 1000PF K 2KV
C931	065G517K332 2T	3.3NF 500V
C927	067G 3056804KT	ELCAP 68UF M 25V 105 K
C820	067G215B2214HT	LOW ESR 220UF 25V 8*11
C952	067G215B2214HT	LOW ESR 220UF 25V 8*11
C956	067G215B2214HT	LOW ESR 220UF 25V 8*11
C956	067G215B2214KT	"LOW E,S,R 220UF +-20% 25"
C952	067G215B2214KT	"LOW E,S,R 220UF +-20% 25"
C820	067G215B2214KT	"LOW E,S,R 220UF +-20% 25"
FB905	071G 55 23 S	BEAD
FB903	071G 55 23 S	BEAD
FB902	071G 55 23 S	BEAD
FB901	071G 55 29	FERRITE BEAD
FB901	071G 55901	FERRITE CORE 2.5*3*1 BF3
F902	084G 55 4	FUSE 382-5A 250V WICKMANN
F901	084G 55 7W	FUSE 3.15A 250V WICKMANN
ZD951	093G 3917952T	DIODE P6KE8V2A DO-15 FAI
ZD951	093G 3990352T	ZD P6KE8.2A
ZD951	093G 39A3552T	ZENER DIODE P6KE8.2A ZOW
D926	093G 6038T52T	FR103
D919	093G 6038T52T	FR103
D926	093G 64 5152T	RGP10-DO-204AL
	715G1813 1	POWER BOARD PCB
	034FPE19P03	CASE EEL19
	034FPE19P03	CASE EEL19
	Q40G 17N61552A	RATING LABEL
	Q41G700N615C56	MANUAL
	Q41G7800615A55	SA SERVICE CENTER FOR 712SA
	Q44G7041 1	EPS(L)
	Q44G7041 2	EPS(R)
	Q45G 76 28CK2 R	PE BAG
	Q45G 88606 14 R	PE BAG FOR STAND
	Q45G 88606 16 R	PE BAG FOR CLAMP
	Q45G 88606CK2 R	PE BAG FOR BASE

	Q45G 88607CK2 R	PE BAG FOR MONITOR
	Q45G 88609 B R	EPE COVER
	Q52G6025 13 32	MYLAR
	Q85G 740 1 3 CKD	SHIELD
	045G 88525 B	PE BAG
	Q45G 88622 A R	ESD BAG