

Service
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Service Manual

Horizontal Frequency
30-81 kHz

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SAFETY NOTICE

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

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

Revision List

[illegible]

Important Safety Notice

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

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

Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING

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

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

FOR PRODUCTS CONTAINING LASER:

DANGER-Invisible laser 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.)

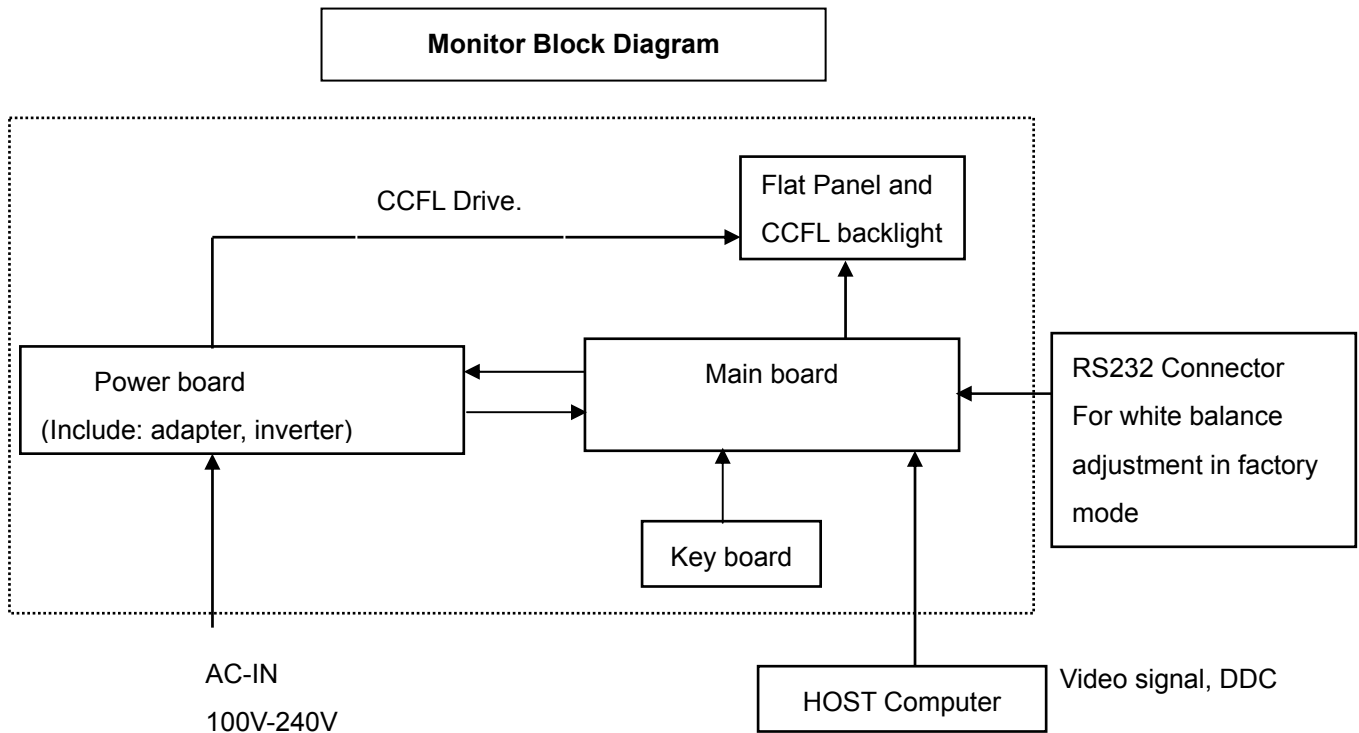
1. Monitor Specifications

Items	Description	
LCD Panel	Driving system	TFT Color LCD
	Type	SEC 20.1 PANEL
	Size	510mm (20 ")
	Pixel pitch	0.255mm (H) x 0.255mm (V)
	Viewable angle	178° (H) 178° (V) (R _≥ 10)
	Response time (type)	16 ms
Input	Sync. Type	H/V TTL
	Input Signal	15 Pin Analog
		24 Pin Digital
	H-Frequency	30kHz – 81kHz
	V-Frequency	56-86Hz
Power Consumption	ON Mode	<52W
	Saving Mode	< 2W (Analog), <2W (Digital)
	OFF Mode	< 1W at 100Vac & 240Vac
Display Color	16.7M colors (RGB 8-bit data)	
Contrast Ratio	900:1	
White Luminance	300cd/m ²	
Max. Resolution	1600 x 1200 at 60 Hz	
Plug & Play	VESA DDC2B™	
Power Source	90-264VAC (100~240VAC+/-10%) 47~63Hz	
Maximum Screen Size	Horizontal : 408mm Vertical: 306mm	
Environmental Considerations	Operating Temp: 10°C to 35°C Storage Temp: -20°C to 60°C Operating Humidity: 10% to 80%	

2. LCD Monitor Description

The LCD MONITOR will contain a main board, power board and a key 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.



3. Operating Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The control buttons are located in the front 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, the power indicator will light up.

3.2 Control Buttons

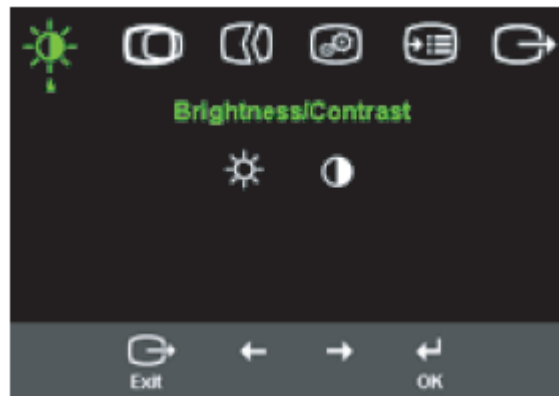


NO.	Name	Within OSD	Without OSD
1		Exit OSD or back to previous menu	Select video signal (analog and digital).
2		1.Move the cursor to left 2.Adjust up when menu item selected	Auto configuration
3		1.Move the cursor to right 2.Adjust down when menu item selected	Open the Brightness menu
4		Select Function or select Sub menu	Activate OSD main menu
5		Turn on/off	Turn on/off
6.		Indicator light	

3.3 Adjusting the Picture

Adjustment steps:

1. Press $\leftarrow$ to open the main OSD menu.
2. Use $\leftarrow$ or $\rightarrow$ to move among the icons. Select an icon and press $\leftarrow$ to access that function. If there is a sub-menu, you can move between options using $\leftarrow$ or $\rightarrow$, then press $\leftarrow$ to select that function. Use $\leftarrow$ or $\rightarrow$ to make adjustments. Press $\leftarrow$ to save.
3. Press $\rightarrow$ to move backwards through the sub-menus and exit from the OSD.
4. Press and hold $\leftarrow$ for 10 seconds to lock the OSD. This will prevent accidental adjustments to the OSD. Press and hold $\leftarrow$ for 10 seconds to unlock the OSD and allow adjustments to the OSD.
5. Enables DDC/CI by default. Use OSD Exit Key, Press and hold the $\rightarrow$ buttons for 10 seconds to disable / enable DDC/CI function. The words "DDC/CI disabled" shows on the screen.



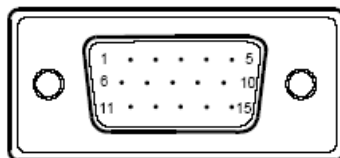
OSD Icon on Main Menu	Submenu	Description	Controls and Adjustments (Analog)		Controls and Adjustments (Digital)
 Brightness/ Contrast	 Brightness	Adjusts overall brightness	 ←	 →	Same as Analog
	 Contrast	Adjusts difference between light and dark areas	 ←	 →	Controls Locked - not required for digital input
 Image Position	 Horizontal Position	Moves the image left or right.	 ←	 →	
	 Vertical Position	Moves the image up or down.	 ←	 →	
 Image Setup	 Automatic	Automatically optimizes the image.			
	 Manual	Manually optimizes the image. See “Manual image setup” on page 3-4. • Clock • Phase • Save			
 Image Properties	 Color	Adjusts intensity of red, green, and blue. Use ← and → buttons to increase or decrease each of three colors (Red, Green, and Blue) independently to get the suitable colo. Brightness and Contrast can't be adjusted in SRGB mode.			Same as Analog
	Preset mode	• Default • Reddish • Bluish • sRGB			
	Custom	• Red: Increases or decreases the saturation of 'red' in the image. • Green: Increases or decreases the saturation of 'green' in the image. • Blue: Increases or decreases the saturation of 'blue' in the image. • Save: Saves the custom color choices.			
	 Scaling	• off native (1:1) • on expand the image to full screen			

OSD Icon on Main Menu	Submenu	Description	Controls and Adjustments (Analog)	Controls and Adjustments (Digital)
	 Input video signal	This monitor can accept video signals through three different connectors. Most desktop computers use a D-SUB connector. Select digital among OSD Controls when you use DVI connector. - Selects D-SUB (Analog) - Selects DVI (Analog) - Selects DVI (Digital)		Same as Analog
 Options	 Information	Shows resolution, refresh rate, and product details. Note: This screen does not allow any changes to the settings.		Same as Analog
	 Language	This section lists the languages supported by your monitor. Note: The language chosen only affects the language of the OSD. It has no effect on any software running on the computer.		
	 Menu Position	Menu position adjusts menu location on the screen.		Same as Analog
	Default	Default returns the menu position to the default settings.		
	Custom	- Horizontal: Changes the horizontal position of the OSD. - Vertical: Changes the vertical position of the OSD.		
	 Reset	- Cancel - Reset - Save Resets monitor to the original factory settings.		
	Accessibility	Controls button and menu settings for accessibility preferences.  Button repeat rate: Select ← or → to change. - Off - Default - Slow  Menu time out: Sets the length of time the OSD will remain active after the last time a button is pressed.		

4. Input/Output Specification

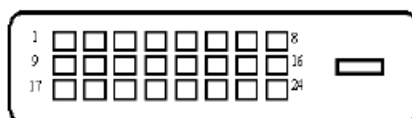
4.1 Input Signal Connector

- **15 - Pin Color Display Signal Cable:**



PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	Red	9.	+5V
2.	Green	10.	Ground
3.	Blue	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		

- **24 - Pin Color Display Signal Cable: (Dual Input Mode)**



PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	TMDS Data 2-	13.	TMDS Data 3+
2.	TMDS Data 2+	14.	+5V Power
3.	TMDS Data 2/4 Shield	15.	Ground(for+5V)
4.	TMDS Data 4-	16.	Hot Plug Detect
5.	TMDS Data 4+	17.	TMDS Data 0-
6.	DDC Clock	18.	TMDS Data 0+
7.	DDC Data	19.	TMDS Data 0/5 Shield
8.	Analog Vertical sync	20.	TMDS Data 5-
9.	TMDS Data 1-	21.	TMDS Data 5+
10.	TMDS Data 1+	22.	TMDS Clock Shield
11.	TMDS Data 1/3 Shield	23.	TMDS Clock +
12.	TMDS Data 3-	24.	TMDS Clock -

4.2 Factory Preset Display Modes

Addressability	Refresh rate
640 x 350	70 Hz
640 x 480	60 Hz, 67 Hz, 72 Hz, 85Hz
720 x 400	70 Hz
800 x 600	56Hz, 60 Hz, 72 Hz, 75 Hz
1024 x 768	60 Hz, 70 Hz, 75 Hz, 85Hz
1280 x 1024	60 Hz, 70 Hz, 75 Hz, 85Hz
1600 x 1200	60 Hz

4.3 Panel Specification

4.3.1 Display Characteristics

Items	Specification	Unit
Pixel Pitch	0.255(H) x 0.255(W)	mm
Active Display Area	408(H) x 306(V)	mm
Surface Treatment	Haze 44% , Hard-coating (3H)	
Display Colors	16.7M (true 8-bit)	colors
Number of Pixels	1600 x 1200	pixel
Pixel Arrangement	RGB vertical stripe	
Display Mode	Normally Black	
Luminance of White	300(Typ.)	cd/m ²

4.3.2 Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit	
Contrast Ratio (Center of screen)		C/R	Normal $\theta_{L,R}=0$ $\theta_{U,D}=0$ Viewing Angle	600	900	-		
Response Time	On/Off	Tr+Tf		-	16	20	msec	
	G-To-G	T _{G-G,AVG}		-	8	-	msec	
		T _{G-G,long}		-	12	-	msec	
Luminance of White (Center of screen)		Y _L		250	300	- -	cd/m2	
Color Chromaticity (CIE 1931)	Red	Rx		0.610	0.640	0.670		
		Ry		0.300	0.330	0.360		
	Green	Gx		0.270	0.300	0.330		
		Gy		0.570	0.600	0.630		
	Blue	Bx		0.120	0.150	0.180		
		By		0.030	0.060	0.090		
		White		Wx	0.283	0.313	0.343	
				Wy	0.299	0.329	0.359	
Color Chromaticity (CIE 1976)	Red	Ru'		-	0.451	-		
		Rv'		-	0.523	-		
	Green	Gu'		-	0.125	-		
		Gv'		-	0.563	-		
	Blue	Bu'		-	0.175	-		
		Bv'		-	0.158	-		
	White	Wu'		-	0.198	-		
		Wv'		-	0.468	-		
C.G.L	White	$\Delta u'v'$		-	-	0.02		

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Color Gamut		-		-	72	-	%
Color Temperature		-		-	6500	-	K
Viewing Angle	Hor.	θ_L	$CR \geq 10$	80	89	-	Degrees
		θ_R		80	89	-	
	Ver.	θ_U		80	89	-	
		θ_D		80	89	-	
	Hor.	θ_L	$CR \geq 100$	-	60	-	Degrees
		θ_R		-	60	-	
	Ver.	θ_U		-	60	-	
		θ_D		-	60	-	
Brightness Uniformity (9 Points)		B _{uni}		-	-	25	%

4.3.3 Parameter guide line for CCFL Inverter

TFT LCD Module:

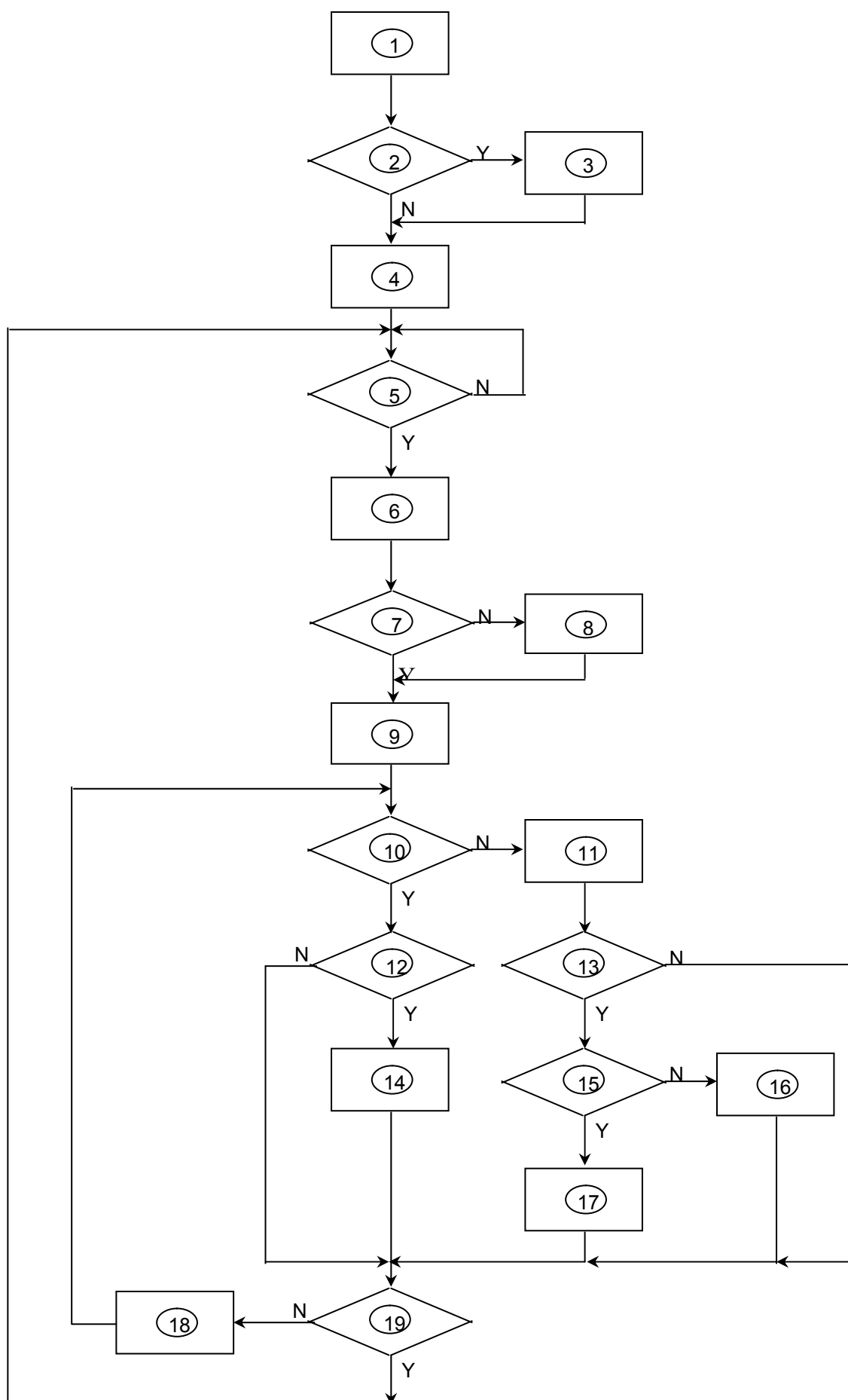
Item		Symbol	Min.	Typ.	Max.	Unit
Voltage of Power Supply		V_{DD}	4.5	5.0	5.5	V
LVDS Input Characteristics	Differential Input Voltage for LVDS Receiver Threshold	High	-	-	+100	mV
		Low	-100	-	-	mV
	LVDS skew	t_{SKEW}	-200		200	
	Differential input voltage	$ V_{ID} $	200		600	mV
	Input voltage range (single-ended)	V_{IN}	0		2.4	V
	Common mode voltage	V_{CM}	0+ $ V_{ID} /2$	1.2	2.4- $ V_{ID} /2$	V
Current of Power Supply	(a) Black	I_{DD}	-	1300	-	mA
	(b) White		-	1600	-	mA
	(c) 2-Line Vertical		-	1600	1850	mA
Vsync Frequency		f_V	59	60	61	Hz
Hsync Frequency		f_H	72	74	76	kHz
Main Frequency		f_{DCLK}	64	65.125	66.25	MHz
Rush Current		I_{RUSH}	-	-	4.0	A

Back Light Unit:

Item		Symbol	Min.	Typ.	Max.	Unit
Lamp Current		I_L	3.0	7.5	8.0	mArms
Lamp Current Uniformity		I_{UNI}	-	-	25	%
Lamp Voltage		V_L	-	700	-	Vrms
Lamp Frequency		f_L	40	-	60	kHz
Operating Life Time		Hr	50,000	-	-	Hour
Inverter waveform	Asymmetry rate	Wasy	-	-	10	%
	Distortion rate	Wdis	1.2726	1.414	1.5554	
Startup Voltage		V_s	-	-	0°C : 1,720	Vrms
					25°C : 1,370	

5. Block Diagram

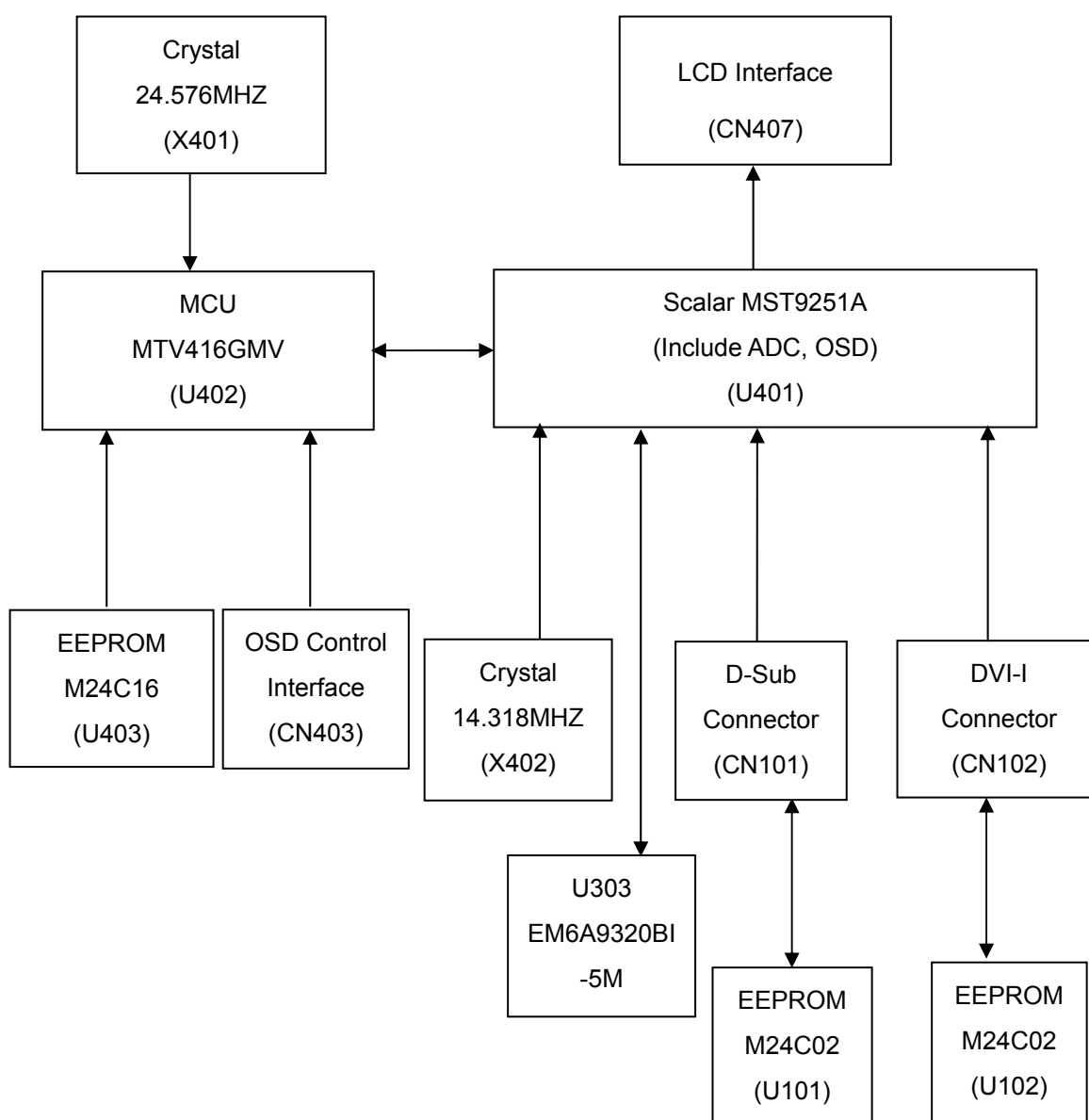
5.1 Software Flow Chat

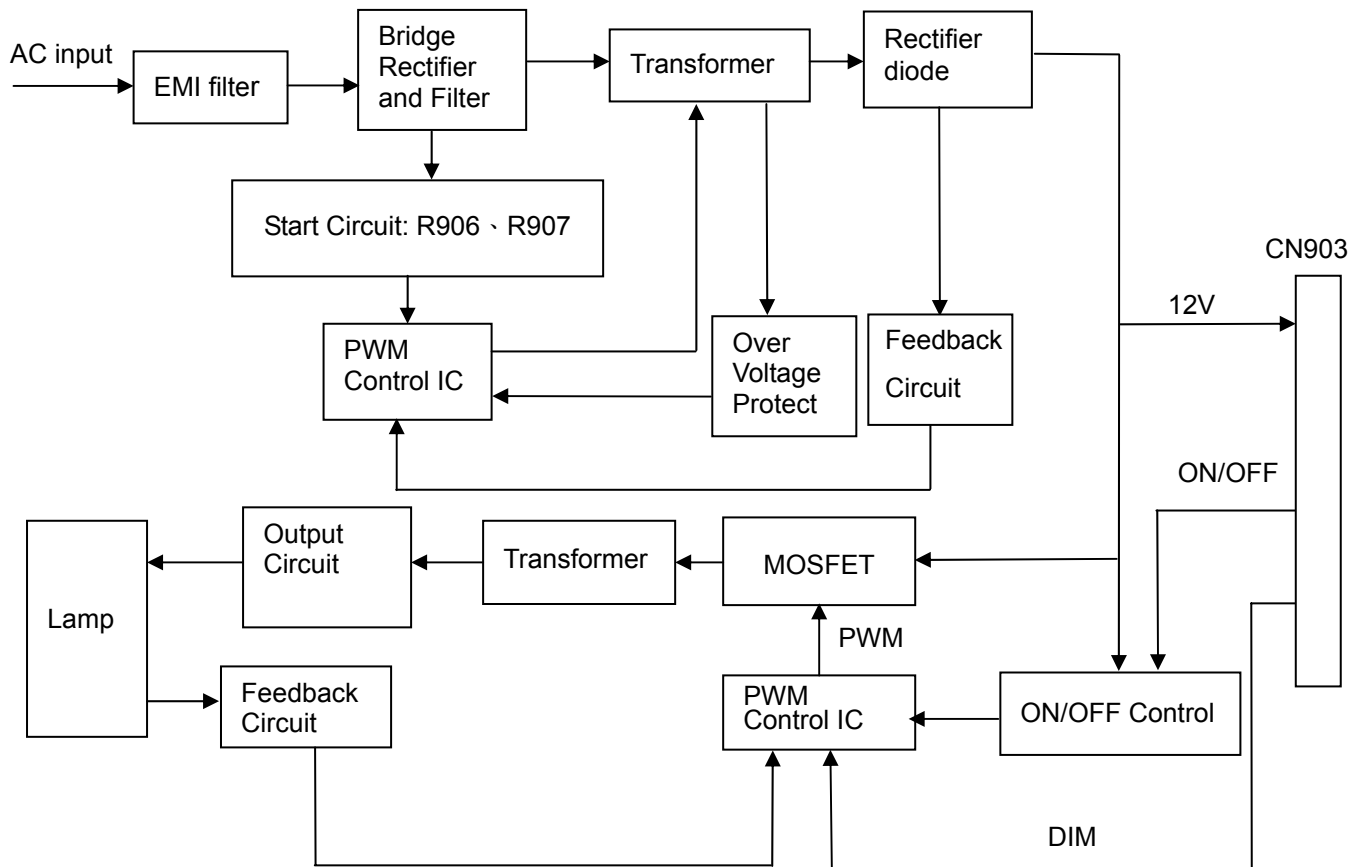


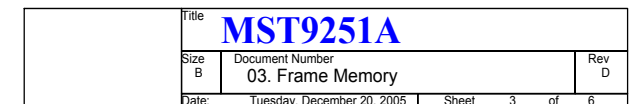
- 1) MCU initialize.
- 2) Is the EPROM blank?
- 3) Program the EPROM by default values.
- 4) Get the PWM value of brightness from EPROM.
- 5) Is the power key pressed?
- 6) Clear all global flags.
- 7) Are the AUTO and SELECT keys pressed?
- 8) Enter factory mode.
- 9) Save the power key status into 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 disappear.
- 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?

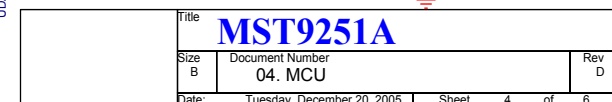
5.2 Electric Block Diagram

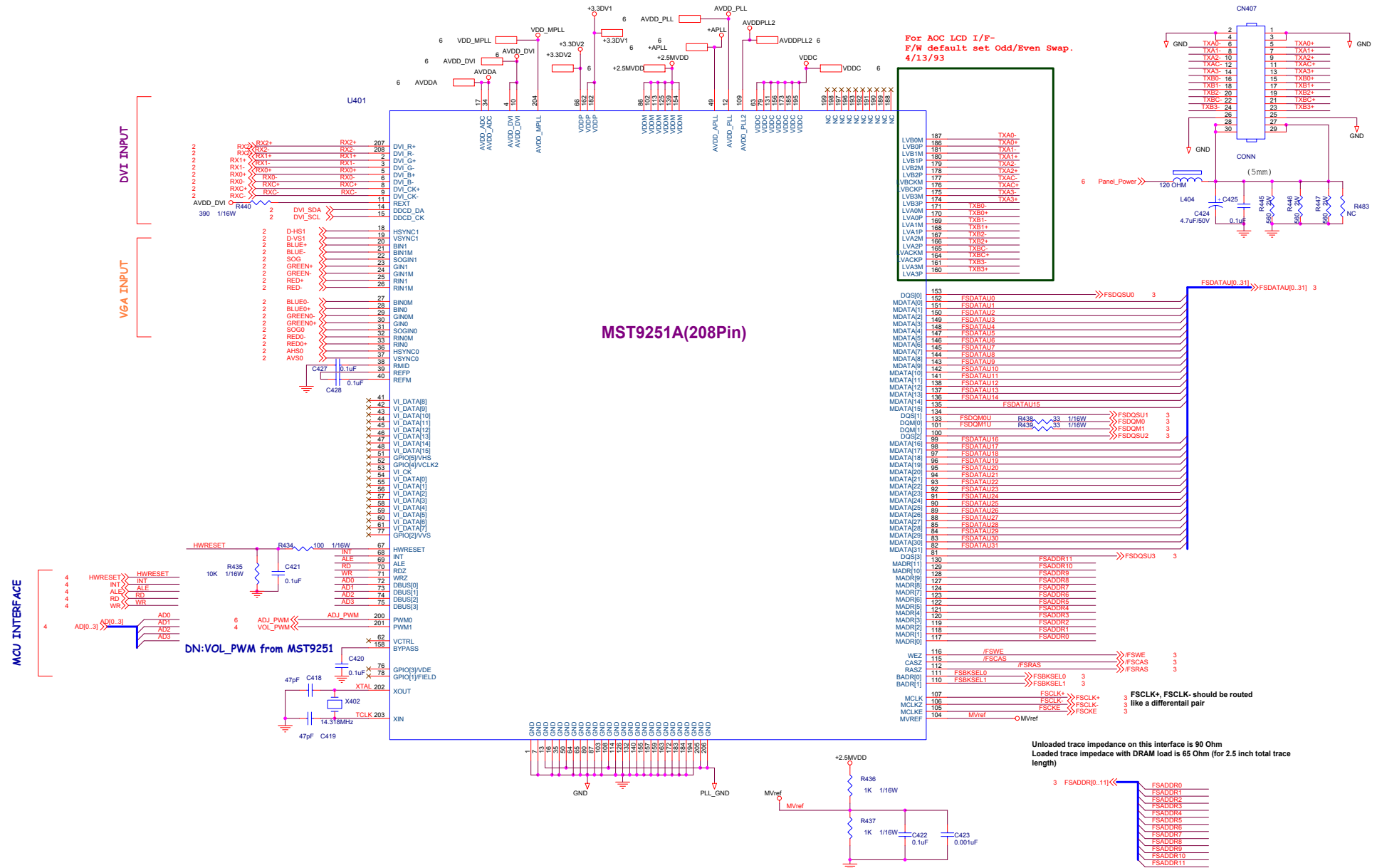
5.2.1 Main Board



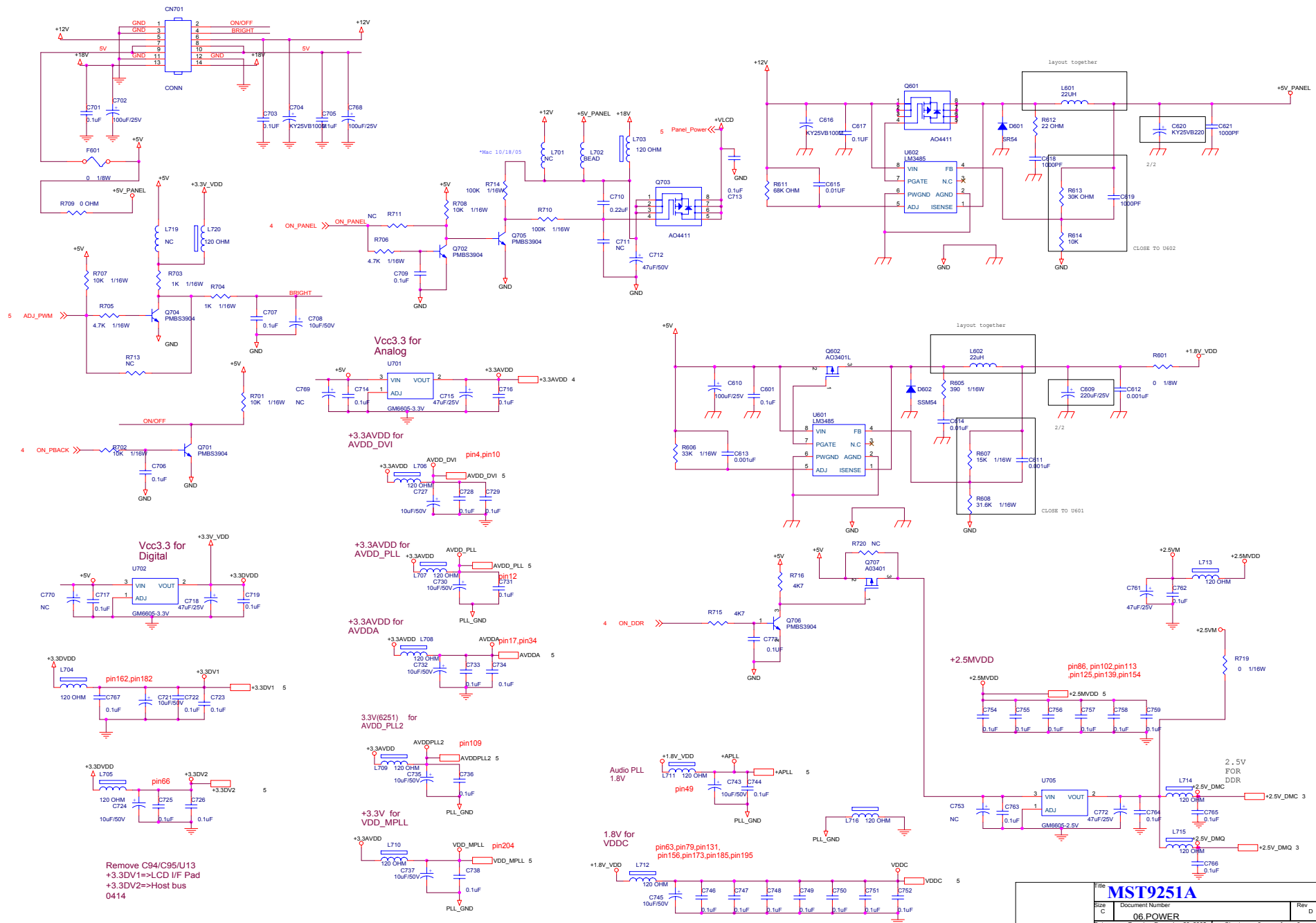
5.2.1 Power Board



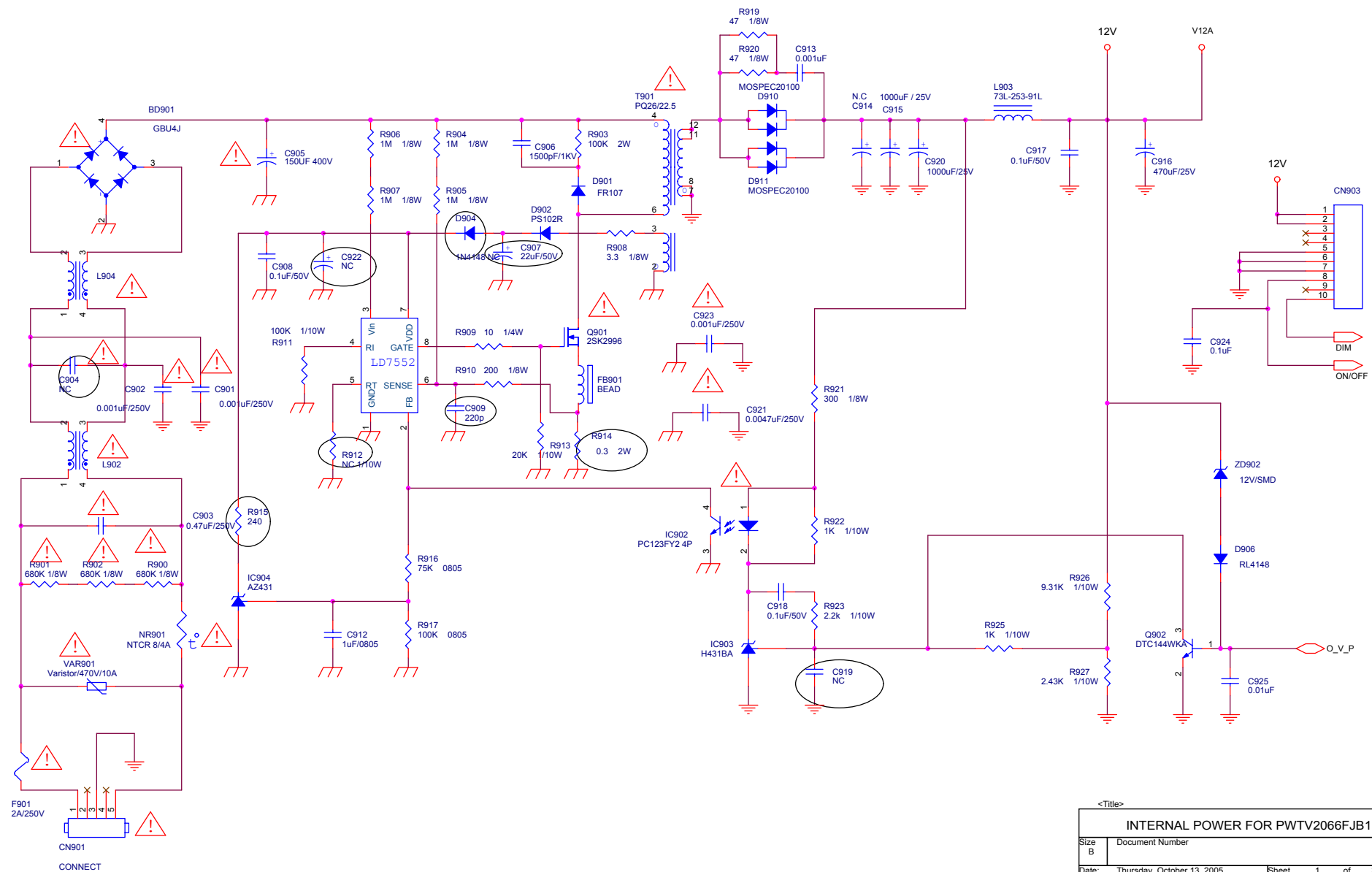




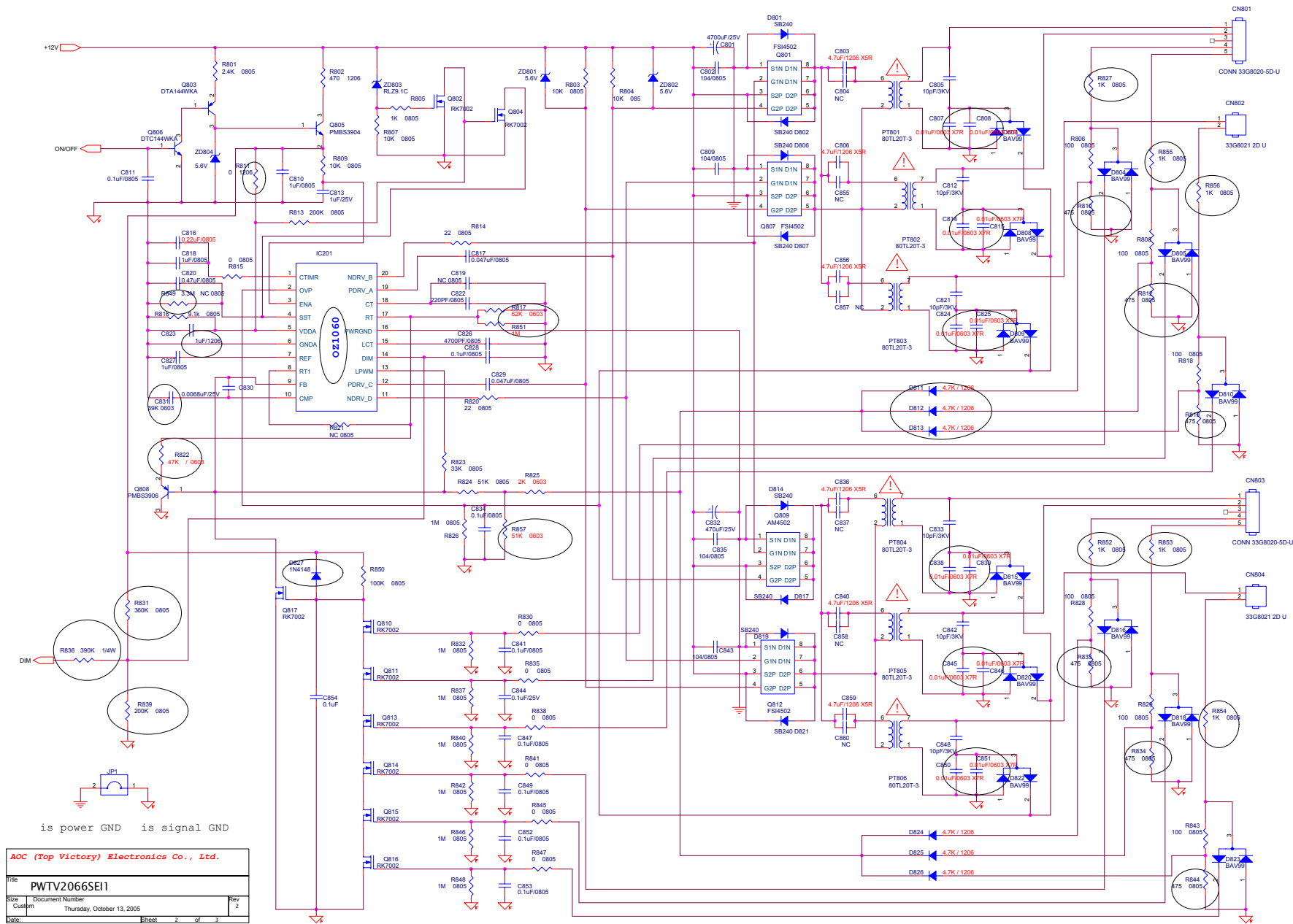
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6.2 Power Board

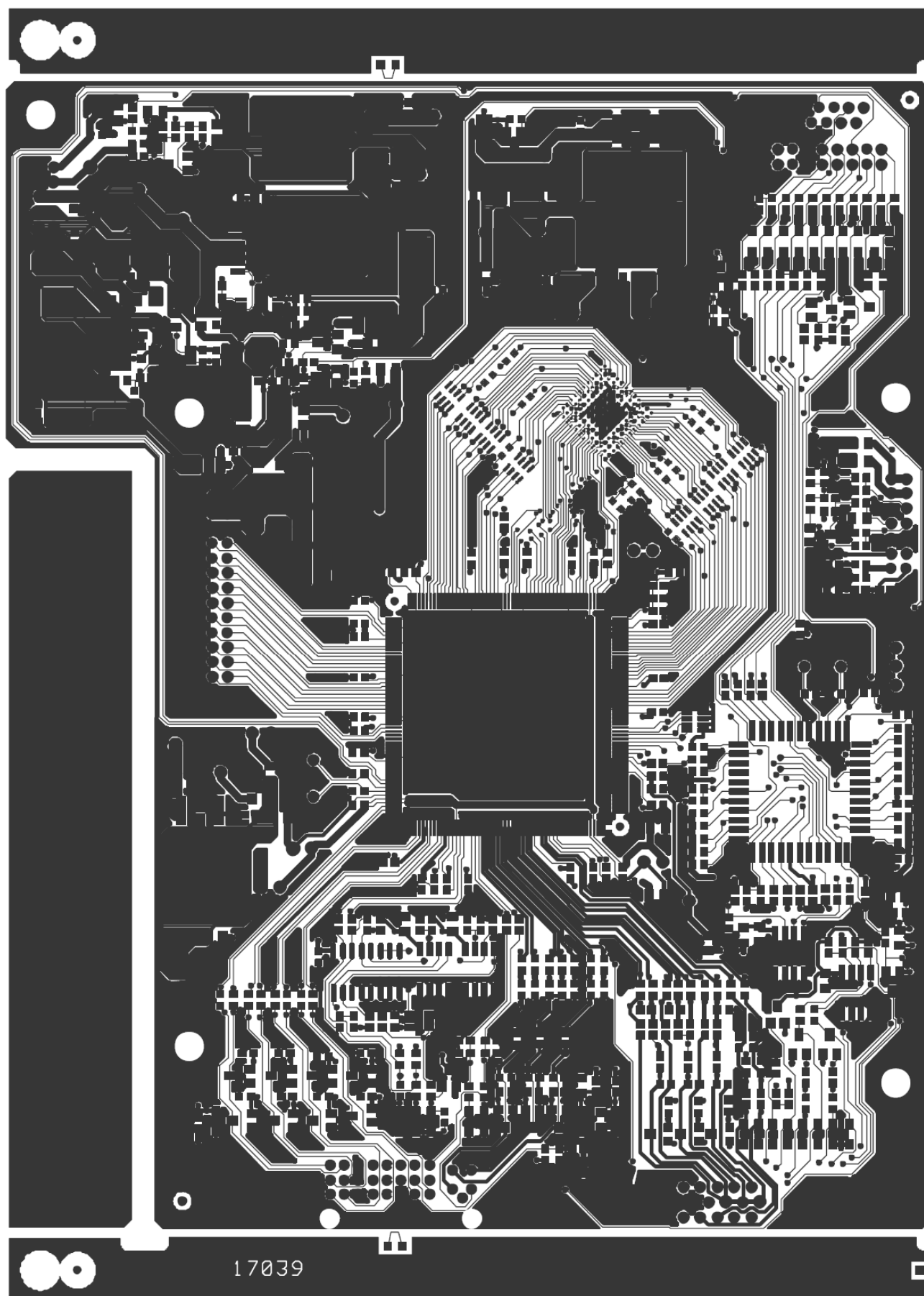


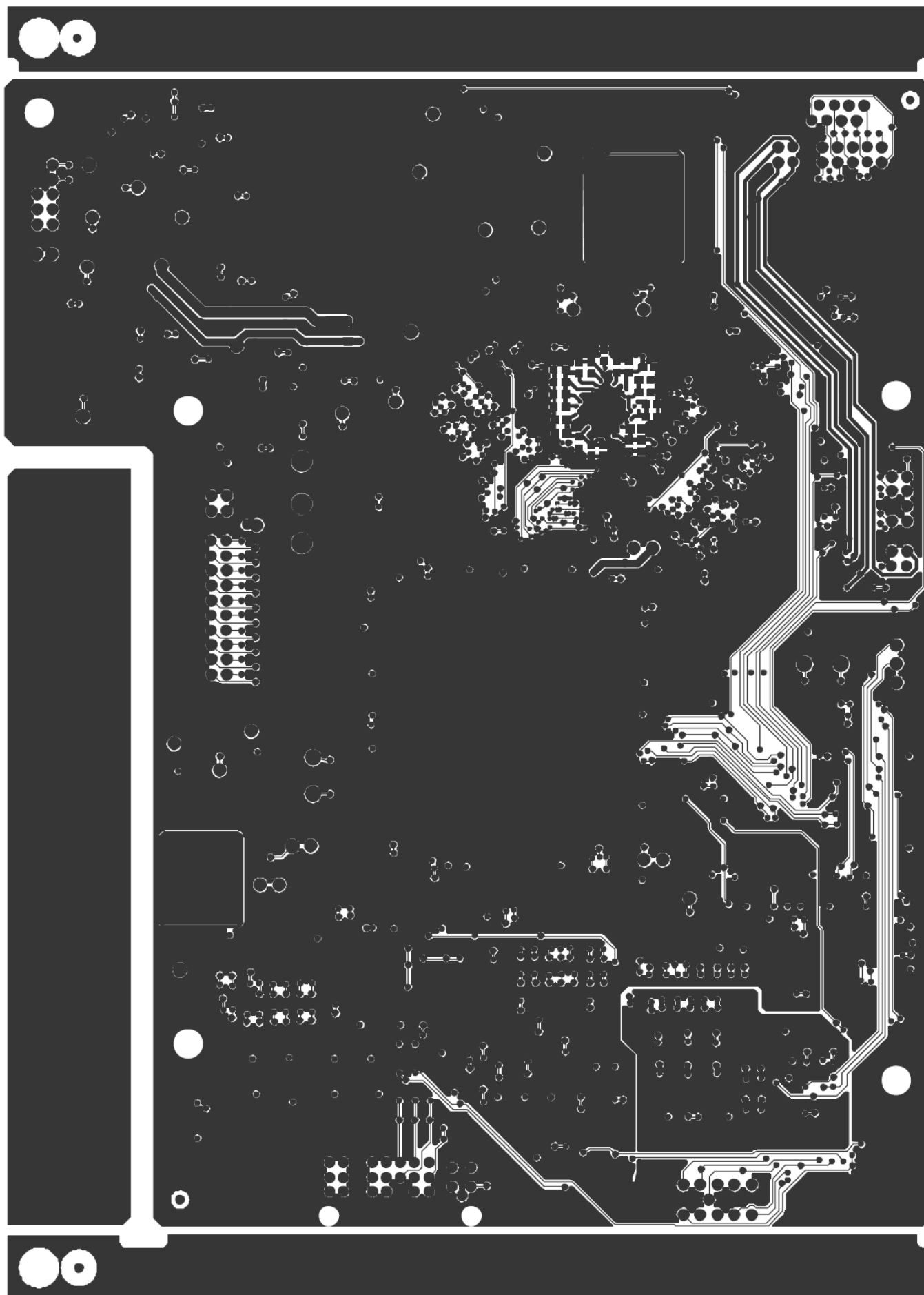
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INTERNAL POWER FOR PWTV206FJB1		
Size B	Document Number	Rev 2
Date: Thursday, October 13, 2005	Sheet 1 of 3	

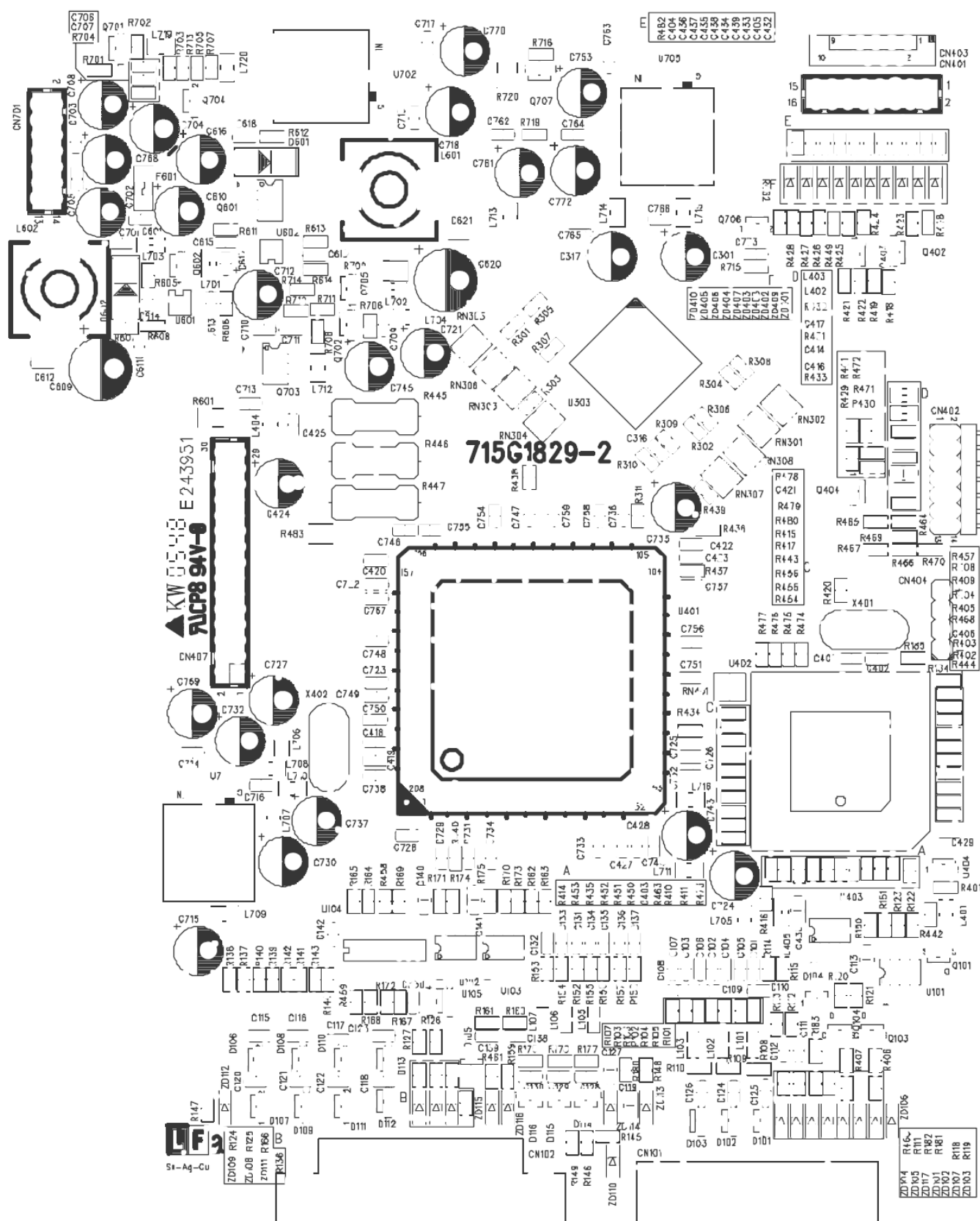


7. PCB Layout

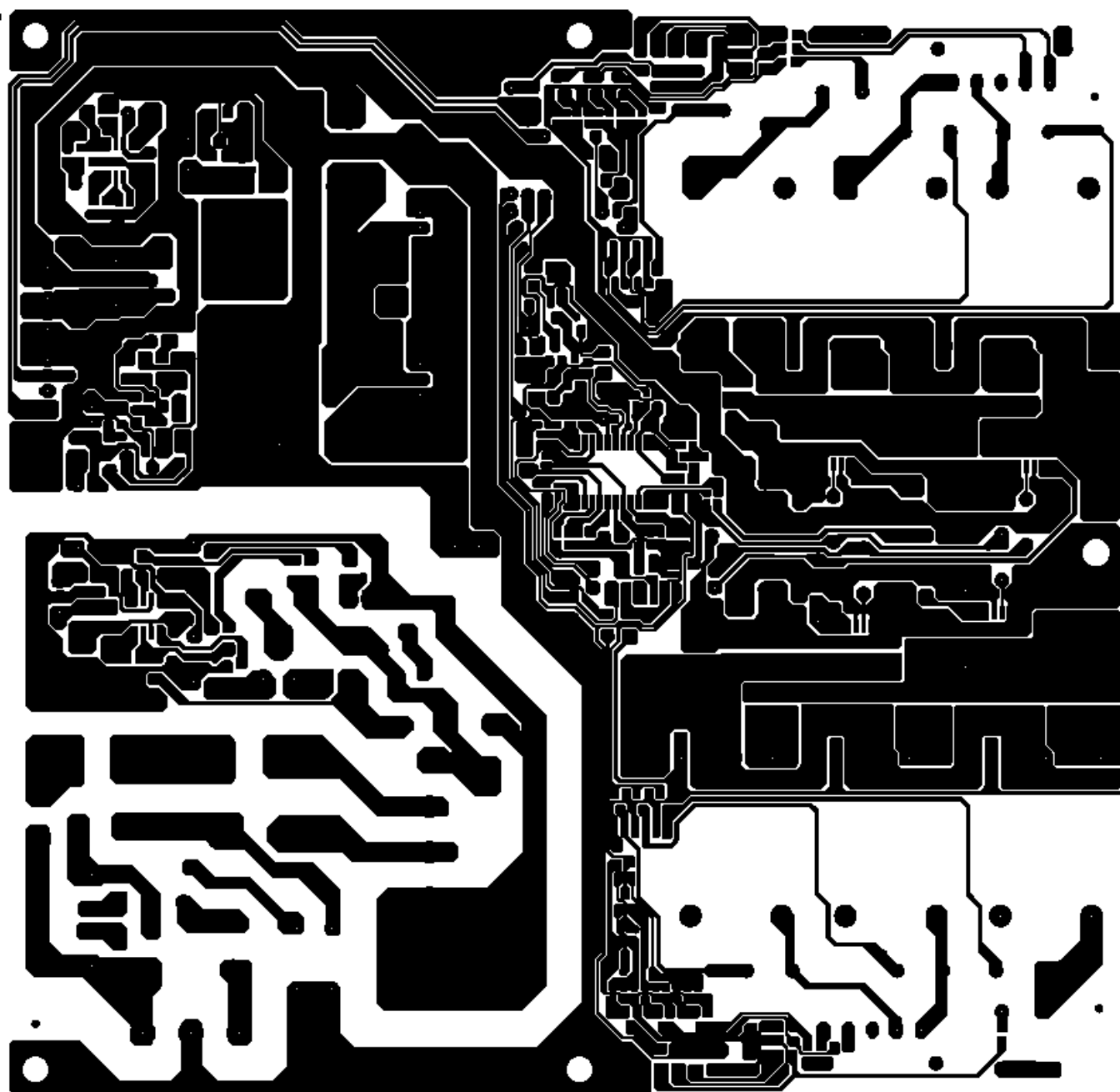
7.1 Main Board

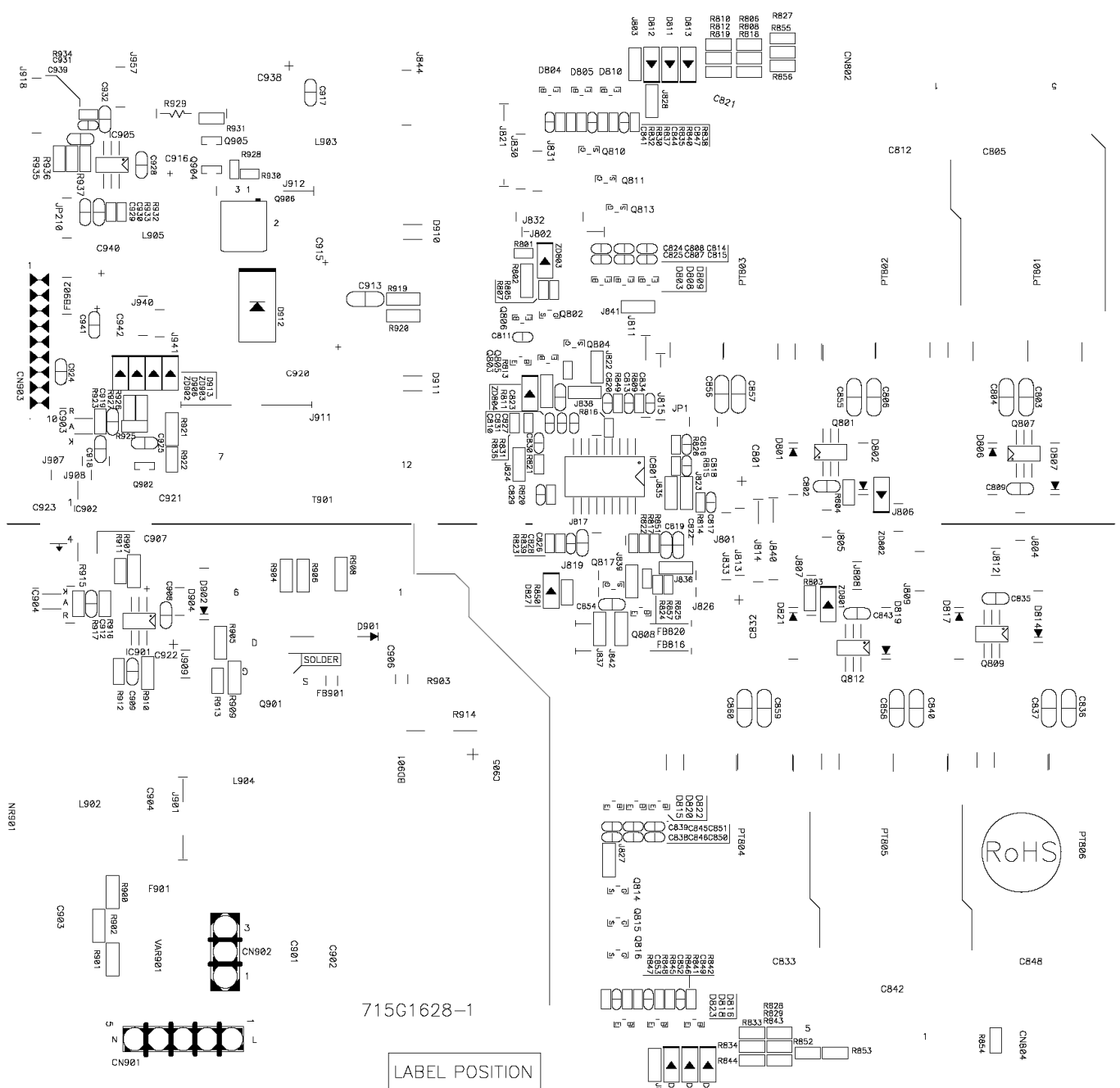




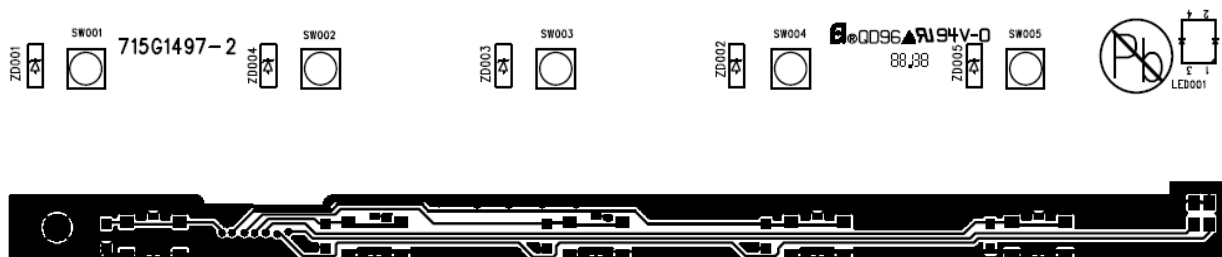


7.2 Power Board





7.3 Key board



8. Maintainability

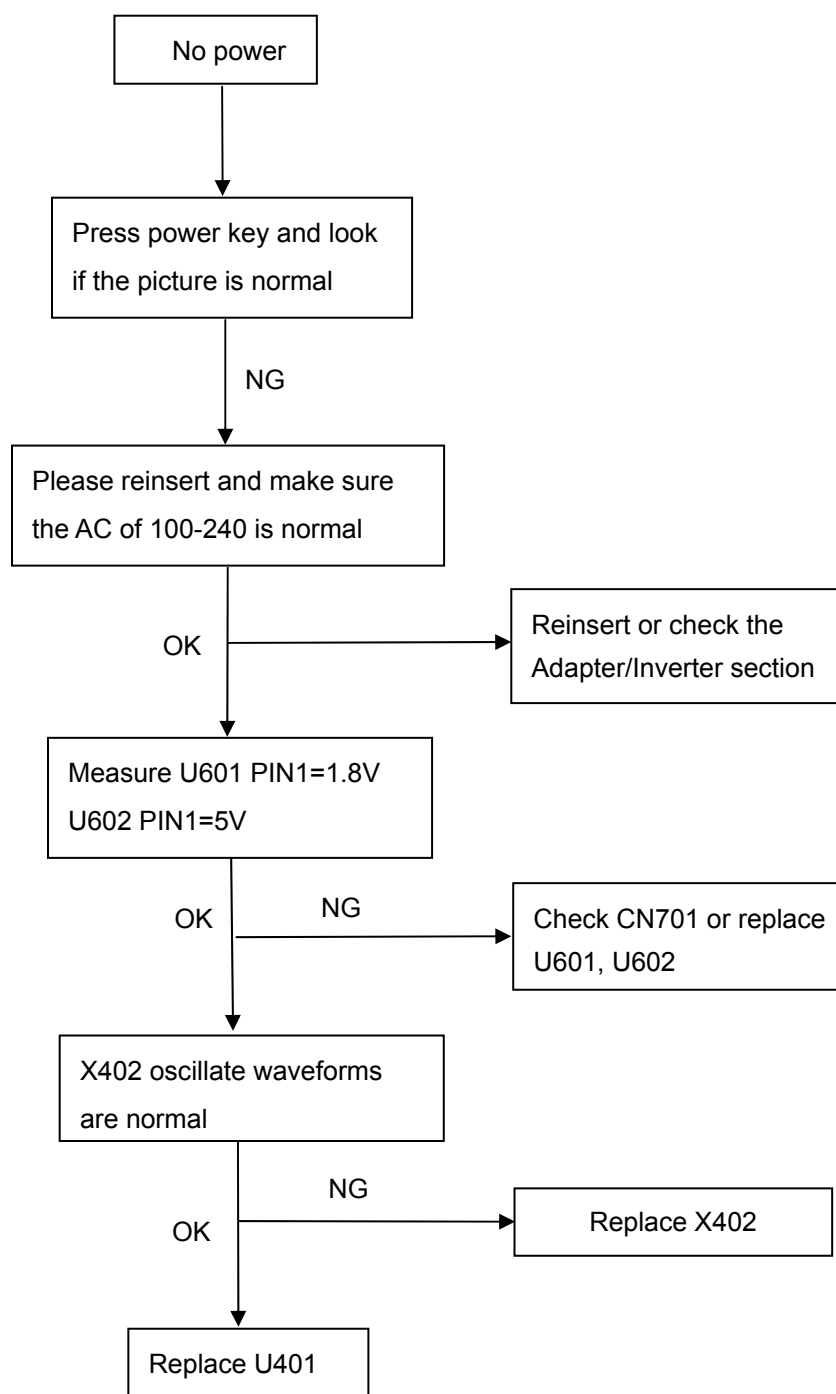
8.1 Equipments and Tools Requirement

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.

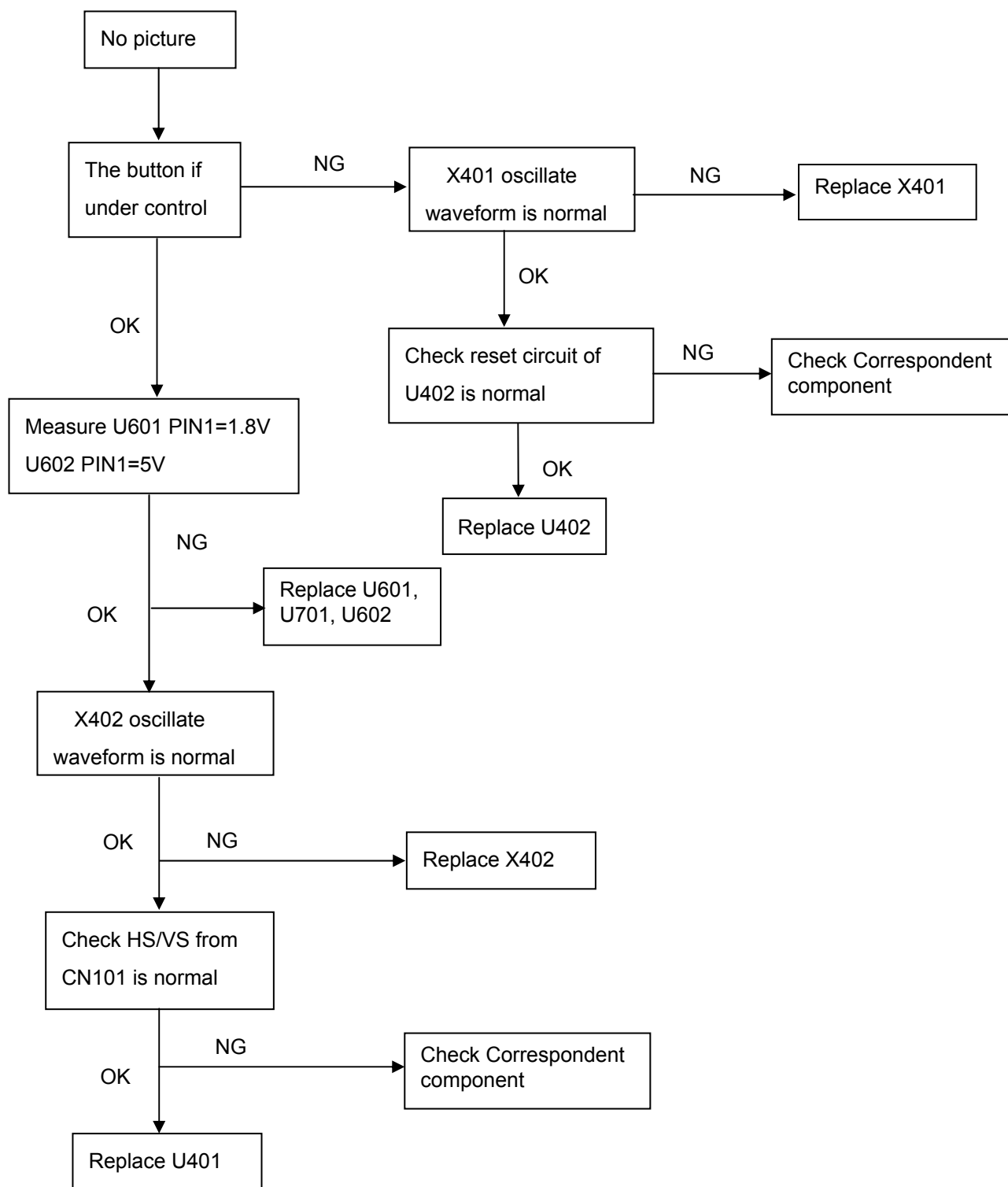
8.2 Trouble Shooting

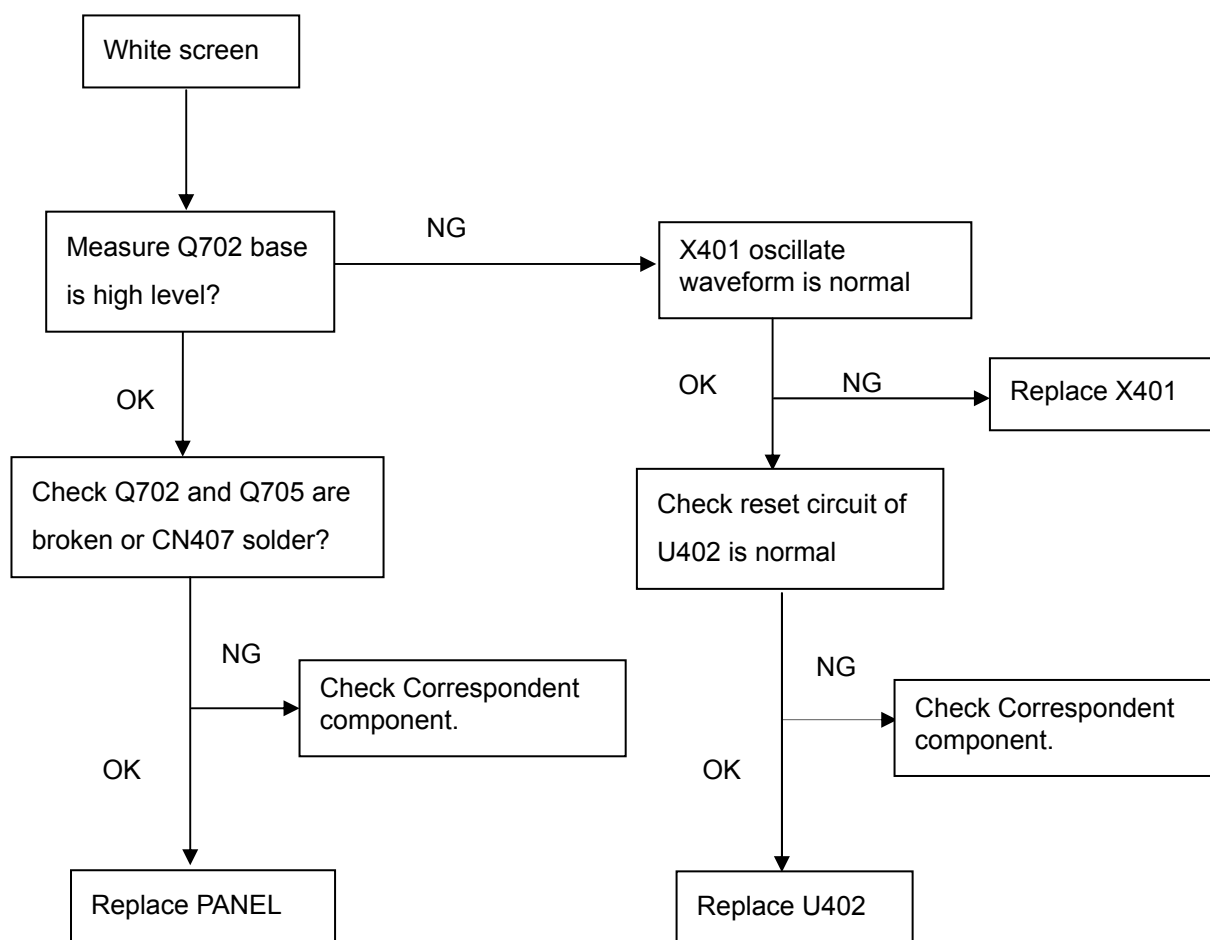
8.2.1 Main Board

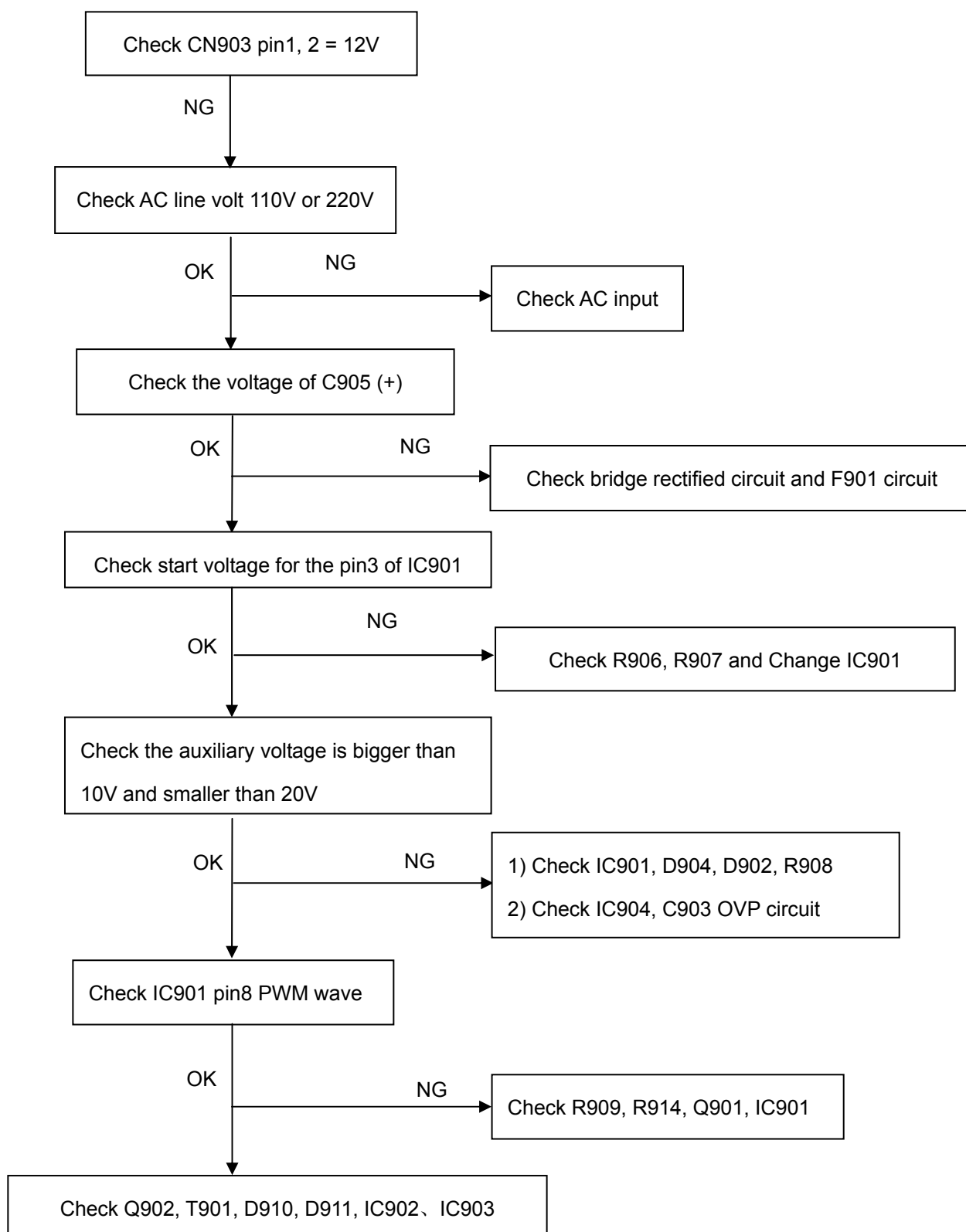
No power



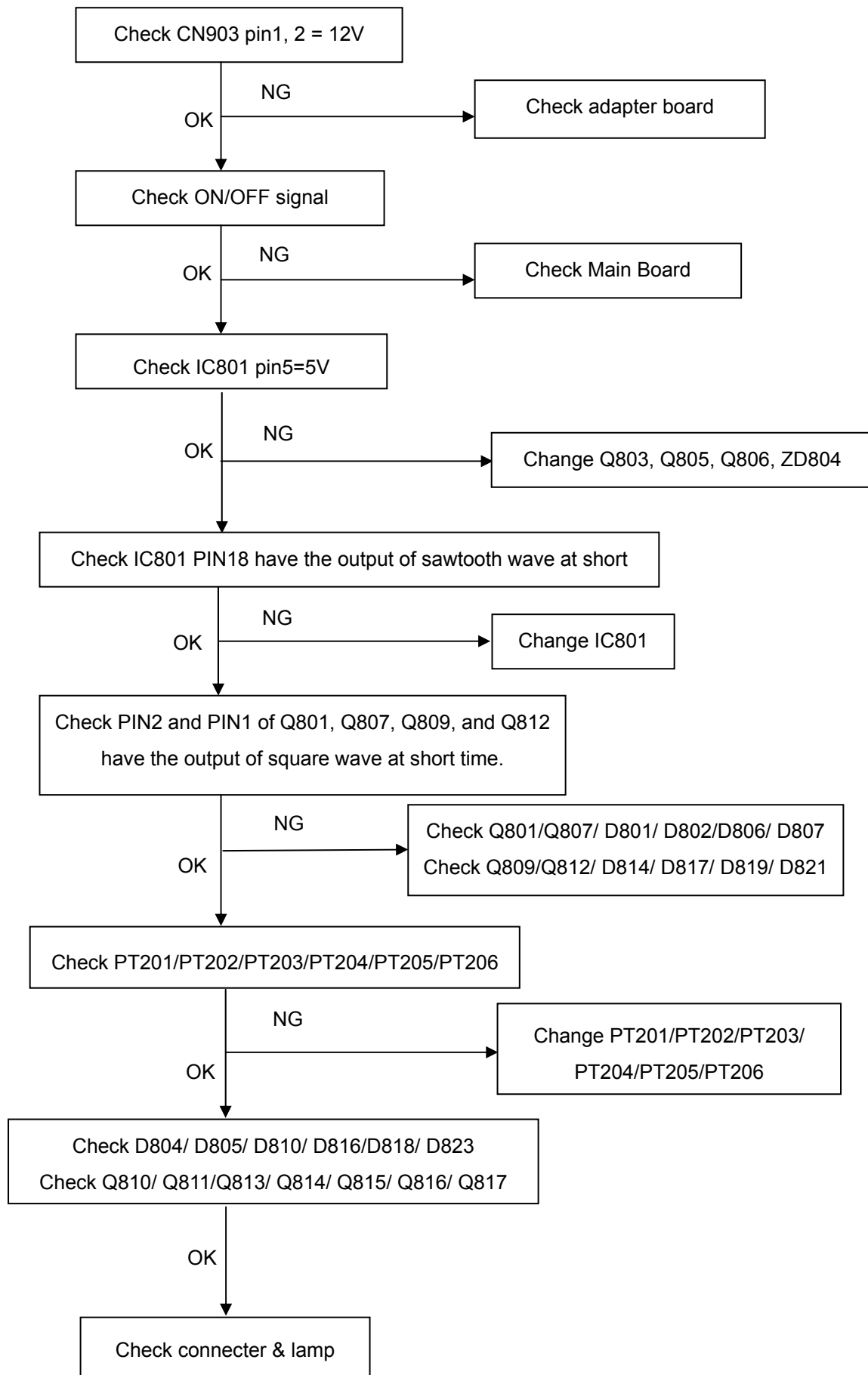
No picture (LED orange)

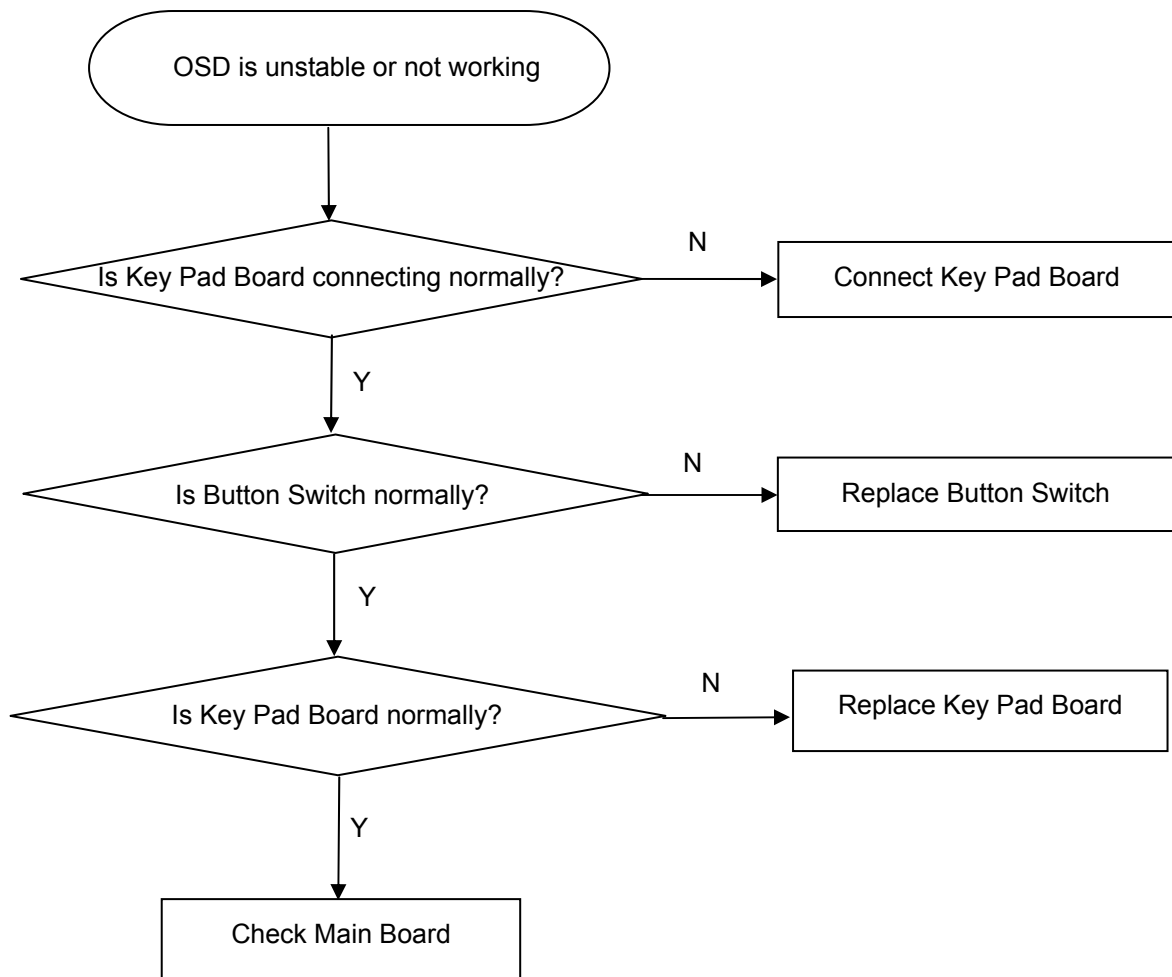


White screen

8.2.2 Power Board**1.) No power**

2.) W / LED, No Backlight



8.2.3 Key Board

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 $x = 296 \pm 18$, $y = 311 \pm 18$, $Y = 180 \text{ cd/m}^2$.
- B. MEM.CHANNEL 4 (6500 color):
6500 color temp. parameter is $x = 313 \pm 18$, $y = 329 \pm 18$, $Y = 180 \text{ cd/m}^2$

3. Enter into factory mode of 9220-HB1

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 $x = 296 \pm 18$, $y = 311 \pm 18$, $Y = 180 \text{ cd/m}^2$
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

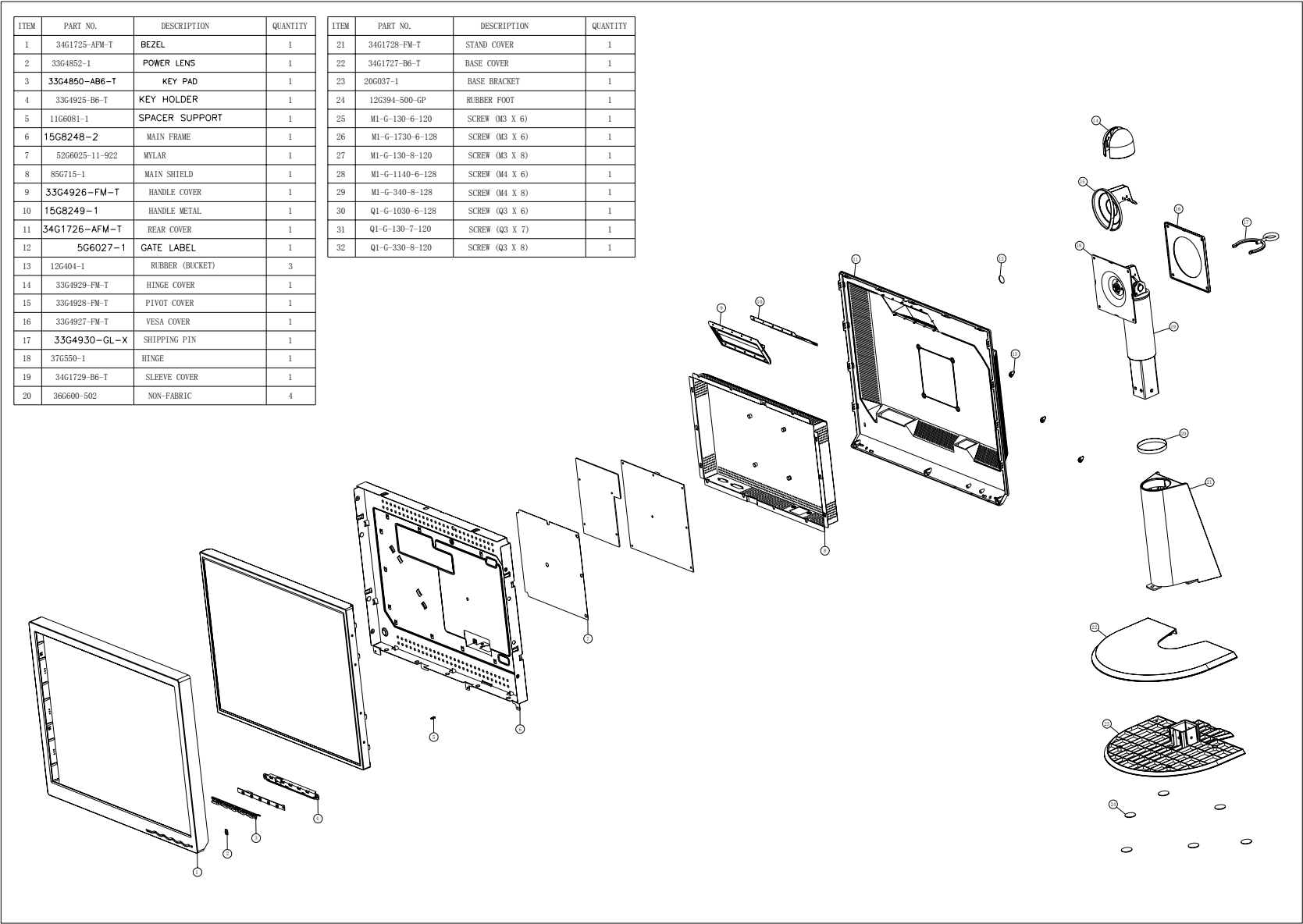
1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 4(with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 313 \pm 18$, $y = 329 \pm 18$, $Y = 180 \text{ cd/m}^2$
4. Adjust the RED of color3 on factory window until 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	QUANTITY
1	34G1725-AFM-T	BEZEL	1
2	33G4852-1	POWER LENS	1
3	33G4850-AB6-T	KEY PAD	1
4	33G4925-B6-T	KEY HOLDER	1
5	11G6081-1	SPACER SUPPORT	1
6	15G8248-2	MAIN FRAME	1
7	52G6025-11-922	MYLAR	1
8	85G715-1	MAIN SHIELD	1
9	33G4926-FM-T	HANDLE COVER	1
10	15G8249-1	HANDLE METAL	1
11	34G1726-AFM-T	REAR COVER	1
12	5G6027-1	GATE LABEL	1
13	12G404-1	RUBBER (BUCKET)	3
14	33G4929-FM-T	HINGE COVER	1
15	33G4928-FM-T	PIVOT COVER	1
16	33G4927-FM-T	VESA COVER	1
17	33G4930-GL-X	SHIPPING PIN	1
18	37G550-1	HINGE	1
19	34G1729-B6-T	SLEEVE COVER	1
20	36G600-502	NON-FABRIC	4

ITEM	PART NO.	DESCRIPTION	QUANTITY
21	34G1728-FM-T	STAND COVER	1
22	34G1727-B6-T	BASE COVER	1
23	20G037-1	BASE BRACKET	1
24	12G394-500-GP	RUBBER FOOT	1
25	M1-G-130-6-120	SCREW (M3 X 6)	1
26	M1-G-1730-6-128	SCREW (M3 X 6)	1
27	M1-G-130-8-120	SCREW (M3 X 8)	1
28	M1-G-1140-6-128	SCREW (M4 X 6)	1
29	M1-G-340-8-128	SCREW (M4 X 8)	1
30	Q1-G-1030-6-128	SCREW (Q3 X 6)	1
31	Q1-G-130-7-120	SCREW (Q3 X 7)	1
32	Q1-G-330-8-120	SCREW (Q3 X 8)	1



11. BOM List**TA5SMUDBDUH9NP**

Location	Part No.	Description
	005G6027 1	GATE LABEL
	011G6081 1	SPACER SUPPORT
	012G 404 1	SCREW RUBBER
	015G8248 1	MAIN FRAME
	033G4850AB6 T	KEY PAD
	033G4852 1 C	POWER LENS
	033G4925 B6 T	KEY HOLDER
	040G 58162511A	CAUTION LABEL
	040G 582625 1A	CARTON LABEL
	040G 582625 2A	S/N LABEL
	040G 582625 3A	S/N LABEL
	044GA002 1	EPS(L)
	044GA002 2	EPS(R)
	044GA002 5	LTYPE PAPER SHEET
	045G 88607IB4	PE BAG FOR MONITOR
	052G 1186	SMALL TAPE
	052G 1207 A	ALUMINIUM TAPE
	052G 1211 B	AL TAPE
	052G 192 3	BIG TAPE FOR CARTON
	052G6025 11922	MYLAR
	085G 715 1	MAIN SHIELD
	089G1738GAA 1	SIGNAL CABLE
	089G1738LAA 1	SIGNAL CABLE
	089G174ELAA 2	DVI CABLE
	095G8014 16624	HARNESS
	095G8018 30646	WIRE HARNESS
	0M1G 130 6125	SCREW
	0M1G1140 6128 CR3	SCREW
	0M1G1730 6128 CR3	SCREW
	0M1G1730 6128 CR3	SCREW
	0M1G1730 6128 CR3	SCREW
	0M1G2940 10225 CR3	SCREW
	0Q1G 330 8120	SCREW 3X8mm
	0Q1G1030 6128 CR3	SCREW
	0Q1G1030 8128 CR3	SCREW
	705G 20 87 04	AC SOCKET
	705GQAK0B34004	20" REAR COVER-STAND-BASE ASS'Y

	750GLSA1U11 11	SEC 20.1" PANEL
	750GLSA1U11111M000X	PANEL LCD LTM201U1-L01 A01(L01) SEC
	CBPC5SMUI6QP	CONVERSION BOARD
	KEPCA90KI5P	KEY BOARD
	PWPC2066SEI1P	POWER BOARD
	Q34G1725 FMA1T 30	BEZEL(20")
	Q40G 20N608 8A	Rating label
	Q40G 20N608 9A	Rating label
	Q44GA002608 2A	Carton
	040G 58162435A	LABEL
	045G 76 28IB3	PE BAG FOR MANUAL
	Q41G780062529B	BOOKLET
	Q41G780062537A	QSG
	Q70G2002625 4A	CD MANUAL
	087G 501 14 RF	AC SOCKET
	095G 900594	WIRE HARNESS
	095G8021 5504	WIRE HARNESS
	096G 29 6	H.S. TUBE
	012G 394500 GP	PORON FOOT
	015G8249 1	HANDLE METAL
	020G 037 1	BASE BRACKET
	033G4926 FM T	HANDLE COVER
	033G4927 FM T	VESA COVER
	033G4928 FM T	PIVOT COVER
	033G4929 FM T	HINGE COVER
	033G4930 GL X	SHIPPING PIN
	034G1727 B6 T	BASE
	034G1728 FM T 30	STAND COVER
	034G1729 B6 T	SLEEVE COVER
	036G 600502	NON FABRIC
	037G 550 1	HINGE
	037G 554 1	HINGE
	0M1G 130 10125	SCREW
	0M1G 340 8128 CR3	SCREW
	0Q1G 130 6120	SCREW (T3X6)
	0Q1G 130 6120	SCREW (T3X6)
	Q34G1726 FMA1T	REAR COVER(20")
CN701	033G8027 14	WAFER 14P 2.0MM DIP DUAL ROW
CN401	033G8027 16	WAFER 16PIN 2.0mm DIP
CN407	033G8027 30 H	WAFER 30P 2.0MM RIGHT ANGLE

	040G 457624 1B	LABEL-CPU
	040G 45762412B	CBPC LABEL
C610	067G215V101 4N	KY25VB100M-CC3(6.3*11)
C616	067G215V101 4N	KY25VB100M-CC3(6.3*11)
C704	067G215V101 4N	KY25VB100M-CC3(6.3*11)
C768	067G215V101 4N	KY25VB100M-CC3(6.3*11)
C609	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C620	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C712	067G215Y2207NV	KY50VB22M-CC3 5*11
C708	067G215Y2207NV	KY50VB22M-CC3 5*11
C772	067G215Y2207NV	KY50VB22M-CC3 5*11
C770	067G215Y2207NV	KY50VB22M-CC3 5*11
C769	067G215Y2207NV	KY50VB22M-CC3 5*11
C753	067G215Y2207NV	KY50VB22M-CC3 5*11
C745	067G215Y2207NV	KY50VB22M-CC3 5*11
C743	067G215Y2207NV	KY50VB22M-CC3 5*11
C737	067G215Y2207NV	KY50VB22M-CC3 5*11
C735	067G215Y2207NV	KY50VB22M-CC3 5*11
C732	067G215Y2207NV	KY50VB22M-CC3 5*11
C730	067G215Y2207NV	KY50VB22M-CC3 5*11
C727	067G215Y2207NV	KY50VB22M-CC3 5*11
C724	067G215Y2207NV	KY50VB22M-CC3 5*11
C721	067G215Y2207NV	KY50VB22M-CC3 5*11
C718	067G215Y2207NV	KY50VB22M-CC3 5*11
C715	067G215Y2207NV	KY50VB22M-CC3 5*11
C424	067G215Y2207NV	KY50VB22M-CC3 5*11
C317	067G215Y2207NV	KY50VB22M-CC3 5*11
C301	067G215Y2207NV	KY50VB22M-CC3 5*11
C708	067G215Y2207RV	RUBYCON 50V 22UF
C712	067G215Y2207RV	RUBYCON 50V 22UF
C715	067G215Y2207RV	RUBYCON 50V 22UF
C718	067G215Y2207RV	RUBYCON 50V 22UF
C721	067G215Y2207RV	RUBYCON 50V 22UF
C724	067G215Y2207RV	RUBYCON 50V 22UF
C727	067G215Y2207RV	RUBYCON 50V 22UF
C730	067G215Y2207RV	RUBYCON 50V 22UF
C732	067G215Y2207RV	RUBYCON 50V 22UF
C735	067G215Y2207RV	RUBYCON 50V 22UF
C737	067G215Y2207RV	RUBYCON 50V 22UF
C743	067G215Y2207RV	RUBYCON 50V 22UF

C745	067G215Y2207RV	RUBYCON 50V 22UF
C753	067G215Y2207RV	RUBYCON 50V 22UF
C769	067G215Y2207RV	RUBYCON 50V 22UF
C770	067G215Y2207RV	RUBYCON 50V 22UF
C772	067G215Y2207RV	RUBYCON 50V 22UF
C424	067G215Y2207RV	RUBYCON 50V 22UF
C317	067G215Y2207RV	RUBYCON 50V 22UF
C301	067G215Y2207RV	RUBYCON 50V 22UF
CN101	088G 35315F H	D-SUB 15PIN
CN102	088G 35428F H	DVI CONN R/A 28P
U401	090G 372 2	HEAT SINK
X402	093G 22 53	CRYSTAL 14.318MHzHC-49US
X401	093G 22 58 H	24.576MHZ/20PF/49US
	SMT C5SMUI6QP	MAIN BOARD
	AIKA90KI5SMTP	KEY BOARD FOR SMT
CN803	033G8020 5D U	CONNECTOR
CN801	033G8020 5D U	CONNECTOR
CN804	033G8021 2D U	3.5mm WAFER
CN802	033G8021 2D U	3.5mm WAFER
CN901	033G8029 5A	WAFER
	040G 45762420A	LABEL 25x6mm
	051G 6 4503	RTV
IC902	056G 139 3A	PC123Y22FZOF
IC902	056G 139 3B	PC123 Y82FZ0F
VAR901	061G 46 6 GP	TNR 10V471K
NR901	061G 5810T	RST NTCR 8 OHM +-20% 4A 13mm THINKING
R914	061G152M308 64	0.3 OHM 5% 2W
C903	063G 107474 US	0.47UF +-20% 275VAC
C903	063G 10747410S	CAPACITANCE
C805	065G 3J1006ET	10PF,J,3KV,SL
C812	065G 3J1006ET	10PF,J,3KV,SL
C821	065G 3J1006ET	10PF,J,3KV,SL
C833	065G 3J1006ET	10PF,J,3KV,SL
C842	065G 3J1006ET	10PF,J,3KV,SL
C848	065G 3J1006ET	10PF,J,3KV,SL
C901	065G306M1022BM	Y1.CAP.001UF 250VAC MURATA
C902	065G306M1022BM	Y1.CAP.001UF 250VAC MURATA
C923	065G306M1022BM	Y1.CAP.001UF 250VAC MURATA
C901	065G306M1022BP	1000PF Y1.CAP
C902	065G306M1022BP	1000PF Y1.CAP

C923	065G306M1022BP	1000PF Y1.CAP
C921	065G306M4722BM	4700PF +-20% 400VAC
C921	065G306M4722BP	4700PF +-20% 400VAC
C920	067G215D821 4K	820UF,M,25V,4000HRS 105
C915	067G215D821 4K	820UF,M,25V,4000HRS 105
C905	067G215S15115K	EC105C 150UF 450V
C801	067G215S471 4K	ED470UF 25V
C832	067G215S471 4K	ED470UF 25V
C938	067G215S471 4K	ED470UF 25V
FB901	071G 55 29	FERRITE BEAD
L903	073G 253 91 L	CHOKE BY LI TA
L903	073G 253 91 T	CHOKE
L903	073G 253 91 LS	CHOKE BY LI SHIN
L904	073L 174 26 LG	LINE FILTER
L904	073L 174 26LSG	COMMON CHOKE
L904	073L 174 26T1G	LINE LILT 0.45MM
L902	073L 174 50 LH	LINE FILTER
L902	073L 174 50LSH	LINE FILTER
T901	080LL17T 19 LG	TRANSFORMER
T901	080LL17T 19 TG	X'FMR
PT806	080TL20T 3 DN	X'FMR
PT805	080TL20T 3 DN	X'FMR
PT804	080TL20T 3 DN	X'FMR
PT803	080TL20T 3 DN	X'FMR
PT802	080TL20T 3 DN	X'FMR
PT801	080TL20T 3 DN	X'FMR
PT806	080TL20T 3 YS	X'FMR
PT805	080TL20T 3 YS	X'FMR
PT804	080TL20T 3 YS	X'FMR
PT803	080TL20T 3 YS	X'FMR
PT802	080TL20T 3 YS	X'FMR
PT801	080TL20T 3 YS	X'FMR
BD901	093G 50460 2	D3SBA60
BD901	093G 50460506	D3SB60
CN903	095G8014 14647	WIRE HARNESS
	705G 20 57 07	Q901 ASS'Y
	705G 20 61 02	R903 ASS'Y
	705G 20 93 07	D910/D911 ASS'Y
	PW2066SEI1SMTP	POWER BOARD FOR SMT
T901	S80LL17T19VG	transformer

PT806	S80TL20T3V	X'FMR
PT805	S80TL20T3V	X'FMR
PT804	S80TL20T3V	X'FMR
PT803	S80TL20T3V	X'FMR
PT802	S80TL20T3V	X'FMR
PT801	S80TL20T3V	X'FMR
U602	056G 133 32 NS	LM3485 MSOP-8 NS
U601	056G 133 32 NS	LM3485 MSOP-8 NS
U401	056G 562106	MST9251A-LF-165 PQFP-208
U701	056G 563 21	AP1084K33LA
U702	056G 563 21	AP1084K33LA
U705	056G 563 45	AP1084K25GA TO-263 ATC
U705	056G 585 13	GM6605-2.5TA3R TO-263 GAMMA
U701	056G 585507	GM6605-3.3TA3
U702	056G 585507	GM6605-3.3TA3
U303	056G 615 9	EM6A9320BI-5MG FBGA-144
U404	056G 643 9	EM6353BZ2SP3B-2.9
U404	056G 643 5A	MAX810 STRG
U402	056G1125175 X	MTV 416GMV
U101	056G1133 34	M24C02-WMN6TP
U102	056G1133 34	M24C02-WMN6TP
U403	056G1133 56	M24C16-WMN6TP
U101	056G113334A	24LC02B/SNG SOIC-8PIN
U102	056G113334A	24LC02B/SNG SOIC-8PIN
U403	056G113356A	24LC16B/SNG SOIC-8PIN
Q701	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q702	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q704	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q705	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q706	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q402	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q403	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q402	057G 417 6 T	PMBS3906
Q403	057G 417 6 T	PMBS3906
Q104	057G 759 2	RK7002
Q103	057G 759 2	RK7002
Q101	057G 759 2	RK7002
Q101	057G 759 2A	2N7002
Q103	057G 759 2A	2N7002
Q104	057G 759 2A	2N7002

Q602	057G 763 1	A03401 SOT23 BY AOS(A1)
Q707	057G 763 1	A03401 SOT23 BY AOS(A1)
Q703	057G 763 3	AO4411 SO-8
Q601	057G 763 3	AO4411 SO-8
RN305	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RN304	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RN303	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RN302	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RN301	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RN306	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RN307	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RN308	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RN401	061G 125103 8	RST CHIP AR 8P4R 10 KOHM +-5% 1/16W
L101	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
L102	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
L103	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
L105	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R719	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R482	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R459	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R458	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R151	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
L107	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
L106	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R144	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R143	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R142	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R141	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R140	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R139	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R138	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R137	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R101	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R102	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R103	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R105	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R106	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R107	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R153	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R154	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W

R155	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R156	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R157	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R158	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R159	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R461	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W
R614	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R165	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R182	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R184	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R185	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R301	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R302	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R303	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R304	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R305	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R306	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R307	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R308	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R406	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R407	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R410	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R411	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R415	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R419	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R422	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R434	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R460	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R164	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R145	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R125	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R124	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R121	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R120	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R111	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R704	061G0603102	RST CHIP 1K 1/10W 5%
R703	061G0603102	RST CHIP 1K 1/10W 5%
R451	061G0603102	RST CHIP 1K 1/10W 5%
R436	061G0603102	RST CHIP 1K 1/10W 5%
R421	061G0603102	RST CHIP 1K 1/10W 5%

R115	061G0603102	RST CHIP 1K 1/10W 5%
R147	061G0603102	RST CHIP 1K 1/10W 5%
R148	061G0603102	RST CHIP 1K 1/10W 5%
R163	061G0603102	RST CHIP 1K 1/10W 5%
R180	061G0603102	RST CHIP 1K 1/10W 5%
R418	061G0603102	RST CHIP 1K 1/10W 5%
R455	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R454	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R453	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R452	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R450	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R444	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R443	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R435	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R414	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R310	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R456	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R457	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R463	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R473	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R474	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R475	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R476	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R477	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R478	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R479	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R480	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R701	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R702	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R707	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R708	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R122	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R123	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R126	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R127	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R136	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R149	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R168	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R169	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R181	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W

R309	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R714	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R710	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R401	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R146	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R437	061G0603122	RST CHIPR 1.2 KOHM +-5% 1/10W
R311	061G0603150 0F	RST CHIPR 150 OHM +-1% 1/10W
R607	061G0603150 2F GP	RST CHIPR 15 KOHM +-1% 1/10W
R162	061G0603151	RST CHIPR 150 OHM +-5% 1/10W
R114	061G0603151	RST CHIPR 150 OHM +-5% 1/10W
R612	061G0603220 GP	RST CHIPR 22 OHM +-5% 1/10W
R605	061G0603220 GP	RST CHIPR 22 OHM +-5% 1/10W
R449	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R442	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R428	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R427	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R426	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R425	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R424	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R112	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R113	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R160	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R161	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R613	061G0603300 2F	RST CHIPR 30 KOHM +-1% 1/10W
R608	061G0603316 2F GP	RST CHIPR 31.6 KOHM +-1% 1/10W
R438	061G0603330	RST CHIPR 33 OHM +-5% 1/10W
R439	061G0603330	RST CHIPR 33 OHM +-5% 1/10W
R606	061G0603333 GP	RST CHIPR 33 KOHM +-5% 1/10W
R440	061G0603391	RST CHIPR 390 OHM +-5% 1/10W
R104	061G0603471	RST CHIPR 470 OHM +-5% 1/10W
R152	061G0603471	RST CHIPR 470 OHM +-5% 1/10W
R705	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R706	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R715	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R716	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R402	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R417	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R420	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R403	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R404	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W

R405	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R408	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R409	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R611	061G0603683 GP	RST CHIPR 68 KOHM +-5% 1/10W
R179	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R178	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R177	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R110	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R109	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R108	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R601	061G1206000	0 OHM 1/8W
F601	061G1206000	0 OHM 1/8W
R709	061G1206000 4	RST CHIPR 0 OHM +-5% 1/4W
C621	065G0603102 32	1000PF +-10% 50V X7R
C619	065G0603102 32	1000PF +-10% 50V X7R
C618	065G0603102 32	1000PF +-10% 50V X7R
C614	065G0603102 32	1000PF +-10% 50V X7R
C613	065G0603102 32	1000PF +-10% 50V X7R
C612	065G0603102 32	1000PF +-10% 50V X7R
C611	065G0603102 32	1000PF +-10% 50V X7R
C131	065G0603102 32	1000PF +-10% 50V X7R
C615	065G0603103 32	0.01UF +-10% 50V X7R
C705	065G0603104 32	CHIP 0.1UF 50V X7R
C706	065G0603104 32	CHIP 0.1UF 50V X7R
C707	065G0603104 32	CHIP 0.1UF 50V X7R
C709	065G0603104 32	CHIP 0.1UF 50V X7R
C713	065G0603104 32	CHIP 0.1UF 50V X7R
C714	065G0603104 32	CHIP 0.1UF 50V X7R
C716	065G0603104 32	CHIP 0.1UF 50V X7R
C717	065G0603104 32	CHIP 0.1UF 50V X7R
C719	065G0603104 32	CHIP 0.1UF 50V X7R
C722	065G0603104 32	CHIP 0.1UF 50V X7R
C723	065G0603104 32	CHIP 0.1UF 50V X7R
C725	065G0603104 32	CHIP 0.1UF 50V X7R
C726	065G0603104 32	CHIP 0.1UF 50V X7R
C437	065G0603104 32	CHIP 0.1UF 50V X7R
C433	065G0603104 32	CHIP 0.1UF 50V X7R
C429	065G0603104 32	CHIP 0.1UF 50V X7R
C428	065G0603104 32	CHIP 0.1UF 50V X7R
C427	065G0603104 32	CHIP 0.1UF 50V X7R

C425	065G0603104 32	CHIP 0.1UF 50V X7R
C423	065G0603104 32	CHIP 0.1UF 50V X7R
C434	065G0603104 32	CHIP 0.1UF 50V X7R
C435	065G0603104 32	CHIP 0.1UF 50V X7R
C436	065G0603104 32	CHIP 0.1UF 50V X7R
C703	065G0603104 32	CHIP 0.1UF 50V X7R
C617	065G0603104 32	CHIP 0.1UF 50V X7R
C601	065G0603104 32	CHIP 0.1UF 50V X7R
C439	065G0603104 32	CHIP 0.1UF 50V X7R
C438	065G0603104 32	CHIP 0.1UF 50V X7R
C767	065G0603104 32	CHIP 0.1UF 50V X7R
C766	065G0603104 32	CHIP 0.1UF 50V X7R
C765	065G0603104 32	CHIP 0.1UF 50V X7R
C764	065G0603104 32	CHIP 0.1UF 50V X7R
C763	065G0603104 32	CHIP 0.1UF 50V X7R
C762	065G0603104 32	CHIP 0.1UF 50V X7R
C759	065G0603104 32	CHIP 0.1UF 50V X7R
C758	065G0603104 32	CHIP 0.1UF 50V X7R
C757	065G0603104 32	CHIP 0.1UF 50V X7R
C756	065G0603104 32	CHIP 0.1UF 50V X7R
C755	065G0603104 32	CHIP 0.1UF 50V X7R
C754	065G0603104 32	CHIP 0.1UF 50V X7R
C752	065G0603104 32	CHIP 0.1UF 50V X7R
C751	065G0603104 32	CHIP 0.1UF 50V X7R
C728	065G0603104 32	CHIP 0.1UF 50V X7R
C729	065G0603104 32	CHIP 0.1UF 50V X7R
C731	065G0603104 32	CHIP 0.1UF 50V X7R
C733	065G0603104 32	CHIP 0.1UF 50V X7R
C734	065G0603104 32	CHIP 0.1UF 50V X7R
C736	065G0603104 32	CHIP 0.1UF 50V X7R
C738	065G0603104 32	CHIP 0.1UF 50V X7R
C744	065G0603104 32	CHIP 0.1UF 50V X7R
C746	065G0603104 32	CHIP 0.1UF 50V X7R
C747	065G0603104 32	CHIP 0.1UF 50V X7R
C748	065G0603104 32	CHIP 0.1UF 50V X7R
C749	065G0603104 32	CHIP 0.1UF 50V X7R
C750	065G0603104 32	CHIP 0.1UF 50V X7R
C773	065G0603104 32	CHIP 0.1UF 50V X7R
C422	065G0603104 32	CHIP 0.1UF 50V X7R
C307	065G0603104 32	CHIP 0.1UF 50V X7R

C306	065G0603104 32	CHIP 0.1UF 50V X7R
C305	065G0603104 32	CHIP 0.1UF 50V X7R
C304	065G0603104 32	CHIP 0.1UF 50V X7R
C303	065G0603104 32	CHIP 0.1UF 50V X7R
C302	065G0603104 32	CHIP 0.1UF 50V X7R
C130	065G0603104 32	CHIP 0.1UF 50V X7R
C129	065G0603104 32	CHIP 0.1UF 50V X7R
C128	065G0603104 32	CHIP 0.1UF 50V X7R
C126	065G0603104 32	CHIP 0.1UF 50V X7R
C125	065G0603104 32	CHIP 0.1UF 50V X7R
C124	065G0603104 32	CHIP 0.1UF 50V X7R
C123	065G0603104 32	CHIP 0.1UF 50V X7R
C122	065G0603104 32	CHIP 0.1UF 50V X7R
C121	065G0603104 32	CHIP 0.1UF 50V X7R
C120	065G0603104 32	CHIP 0.1UF 50V X7R
C118	065G0603104 32	CHIP 0.1UF 50V X7R
C117	065G0603104 32	CHIP 0.1UF 50V X7R
C116	065G0603104 32	CHIP 0.1UF 50V X7R
C115	065G0603104 32	CHIP 0.1UF 50V X7R
C308	065G0603104 32	CHIP 0.1UF 50V X7R
C421	065G0603104 32	CHIP 0.1UF 50V X7R
C420	065G0603104 32	CHIP 0.1UF 50V X7R
C406	065G0603104 32	CHIP 0.1UF 50V X7R
C403	065G0603104 32	CHIP 0.1UF 50V X7R
C325	065G0603104 32	CHIP 0.1UF 50V X7R
C324	065G0603104 32	CHIP 0.1UF 50V X7R
C323	065G0603104 32	CHIP 0.1UF 50V X7R
C322	065G0603104 32	CHIP 0.1UF 50V X7R
C321	065G0603104 32	CHIP 0.1UF 50V X7R
C320	065G0603104 32	CHIP 0.1UF 50V X7R
C309	065G0603104 32	CHIP 0.1UF 50V X7R
C310	065G0603104 32	CHIP 0.1UF 50V X7R
C311	065G0603104 32	CHIP 0.1UF 50V X7R
C312	065G0603104 32	CHIP 0.1UF 50V X7R
C313	065G0603104 32	CHIP 0.1UF 50V X7R
C314	065G0603104 32	CHIP 0.1UF 50V X7R
C315	065G0603104 32	CHIP 0.1UF 50V X7R
C316	065G0603104 32	CHIP 0.1UF 50V X7R
C318	065G0603104 32	CHIP 0.1UF 50V X7R
C319	065G0603104 32	CHIP 0.1UF 50V X7R

C401	065G0603220 31	CER1 0603 NP0 50V 22P PM
C402	065G0603220 31	CER1 0603 NP0 50V 22P PM
C138	065G0603221 32	CHIP 220PF 50V X7R
C418	065G0603470 31	CHIP 47PF 50V NPO
C419	065G0603470 31	CHIP 47PF 50V NPO
C139	065G0603470 32	CHIP 47PF 50V X7R
C137	065G0603473 32	CHIP 0.047UF 50V X7R
C136	065G0603473 32	CHIP 0.047UF 50V X7R
C135	065G0603473 32	CHIP 0.047UF 50V X7R
C134	065G0603473 32	CHIP 0.047UF 50V X7R
C133	065G0603473 32	CHIP 0.047UF 50V X7R
C132	065G0603473 32	CHIP 0.047UF 50V X7R
C107	065G0603473 32	CHIP 0.047UF 50V X7R
C106	065G0603473 32	CHIP 0.047UF 50V X7R
C105	065G0603473 32	CHIP 0.047UF 50V X7R
C104	065G0603473 32	CHIP 0.047UF 50V X7R
C103	065G0603473 32	CHIP 0.047UF 50V X7R
C102	065G0603473 32	CHIP 0.047UF 50V X7R
C101	065G0603473 32	CHIP 0.047UF 50V X7R
C112	065G0603509 31	CHIP 5PF +-0.5PF 50V NPO
C111	065G0603509 31	CHIP 5PF +-0.5PF 50V NPO
C110	065G0603509 31	CHIP 5PF +-0.5PF 50V NPO
C109	065G0603509 31	CHIP 5PF +-0.5PF 50V NPO
C108	065G0603509 31	CHIP 5PF +-0.5PF 50V NPO
C710	065G0603683 32	CHIP 0.068UF 50L X7R
C430	065G0805105 22	CHIP 1UF 25V X7R 0805
C140	065G0805105 22	CHIP 1UF 25V X7R 0805
C127	065G0805105 22	CHIP 1UF 25V X7R 0805
C119	065G0805105 22	CHIP 1UF 25V X7R 0805
C113	065G0805105 22	CHIP 1UF 25V X7R 0805
L405	071G 56K121	CHIP BEAD
L702	071G 56K121	CHIP BEAD
L704	071G 56K121	CHIP BEAD
L705	071G 56K121	CHIP BEAD
L706	071G 56K121	CHIP BEAD
L707	071G 56K121	CHIP BEAD
L708	071G 56K121	CHIP BEAD
L709	071G 56K121	CHIP BEAD
L710	071G 56K121	CHIP BEAD
L711	071G 56K121	CHIP BEAD

L712	071G 56K121	CHIP BEAD
L713	071G 56K121	CHIP BEAD
L714	071G 56K121	CHIP BEAD
L715	071G 56K121	CHIP BEAD
L716	071G 56K121	CHIP BEAD
L720	071G 56K121	CHIP BEAD
L404	071G 56K121	CHIP BEAD
L706	071G 56K121 M	CHIP BEAD
L705	071G 56K121 M	CHIP BEAD
L704	071G 56K121 M	CHIP BEAD
L702	071G 56K121 M	CHIP BEAD
L405	071G 56K121 M	CHIP BEAD
L404	071G 56K121 M	CHIP BEAD
L710	071G 56K121 M	CHIP BEAD
L709	071G 56K121 M	CHIP BEAD
L708	071G 56K121 M	CHIP BEAD
L707	071G 56K121 M	CHIP BEAD
L711	071G 56K121 M	CHIP BEAD
L712	071G 56K121 M	CHIP BEAD
L713	071G 56K121 M	CHIP BEAD
L714	071G 56K121 M	CHIP BEAD
L715	071G 56K121 M	CHIP BEAD
L716	071G 56K121 M	CHIP BEAD
L720	071G 56K121 M	CHIP BEAD
L601	073G M5822020T	22UH +-20%
L602	073G M5822020T	22UH +-20%
D104	093G 64 42 P	BAV70 SOT-23
D105	093G 64 42 P	BAV70 SOT-23
D101	093G 6433P	BAV99
D102	093G 6433P	BAV99
D103	093G 6433P	BAV99
D106	093G 6433P	BAV99
D107	093G 6433P	BAV99
D108	093G 6433P	BAV99
D109	093G 6433P	BAV99
D110	093G 6433P	BAV99
D111	093G 6433P	BAV99
D112	093G 6433P	BAV99
D113	093G 6433P	BAV99
D114	093G 6433P	BAV99

D115	093G 6433P	BAV99
D116	093G 6433P	BAV99
ZD107	093G 39P599 T	MM3Z5V6B
ZD108	093G 39P599 T	MM3Z5V6B
ZD109	093G 39P599 T	MM3Z5V6B
ZD116	093G 39P599 T	MM3Z5V6B
ZD115	093G 39P599 T	MM3Z5V6B
ZD114	093G 39P599 T	MM3Z5V6B
ZD408	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
ZD117	093G 39P599 T	MM3Z5V6B
ZD113	093G 39P599 T	MM3Z5V6B
ZD112	093G 39P599 T	MM3Z5V6B
ZD111	093G 39P599 T	MM3Z5V6B
ZD110	093G 39P599 T	MM3Z5V6B
ZD106	093G 39P599 T	MM3Z5V6B
ZD105	093G 39P599 T	MM3Z5V6B
ZD104	093G 39P599 T	MM3Z5V6B
ZD101	093G 39P599 T	MM3Z5V6B
ZD402	093G 39S 34 T	UDZS5.6B
ZD117	093G 39S 34 T	UDZS5.6B
ZD113	093G 39S 34 T	UDZS5.6B
ZD112	093G 39S 34 T	UDZS5.6B
ZD111	093G 39S 34 T	UDZS5.6B
ZD110	093G 39S 34 T	UDZS5.6B
ZD109	093G 39S 34 T	UDZS5.6B
ZD108	093G 39S 34 T	UDZS5.6B
ZD107	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
ZD408	093G 39S 34 T	UDZS5.6B
ZD114	093G 39S 34 T	UDZS5.6B

ZD115	093G 39S 34 T	UDZS5.6B
ZD116	093G 39S 34 T	UDZS5.6B
ZD106	093G 39S 34 T	UDZS5.6B
ZD105	093G 39S 34 T	UDZS5.6B
ZD104	093G 39S 34 T	UDZS5.6B
ZD101	093G 39S 34 T	UDZS5.6B
D601	093G5004 1	SR54 T0-214AA
D602	093G5004 1	SR54 T0-214AA
D602	093G5004 2	DIODE SSM54 5A 40V
	715G1829 2	PCB BOARD
CN001	033G8032 8D	WAFER 1.25MM
SW005	077G 607 1 FD	TACT SWITCH
SW004	077G 607 1 FD	TACT SWITCH
SW003	077G 607 1 FD	TACT SWITCH
SW002	077G 607 1 FD	TACT SWITCH
SW001	077G 607 1 FD	TACT SWITCH
LED001	081G 14501 GU	HKBGE33B-TRB
LED001	081G 14501 KT	CHIP LED
ZD001	093G 39P599 T	MM3Z5V6B
ZD002	093G 39P599 T	MM3Z5V6B
ZD003	093G 39P599 T	MM3Z5V6B
ZD004	093G 39P599 T	MM3Z5V6B
ZD005	093G 39P599 T	MM3Z5V6B
ZD001	093G 39S 34 T	UDZS5.6B
ZD002	093G 39S 34 T	UDZS5.6B
ZD003	093G 39S 34 T	UDZS5.6B
ZD004	093G 39S 34 T	UDZS5.6B
ZD005	093G 39S 34 T	UDZS5.6B
	715G1497 2	PCB BOARD
Q901	057G 724 4	2SK2996
Q901	057G 724 4A	STP9NK60ZEP
	090G6270 1	HEAT SINK
	0M1G1730 8128 CR3	SCREW
R903	061G152M10458F	100K OHM 5% 2W
	096G 29 6	H.S. TUBE
	090G 425 6	HEAT SINK
D911	093G 60247	FME-220A
D910	093G 60247	FME-220A
	0M1G1730 8128 CR3	SCREW
IC901	056G 379 52	LD7552BS

IC801	056G 608 7	OZT1060GN SOIC-20
Q805	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q808	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q809	057G 600 61	AM4502C-TI-PF S0-8
Q807	057G 600 61	AM4502C-TI-PF S0-8
Q801	057G 600 61	AM4502C-TI-PF S0-8
Q812	057G 600 61	AM4502C-TI-PF S0-8
Q802	057G 759 2	RK7002
Q804	057G 759 2	RK7002
Q810	057G 759 2	RK7002
Q811	057G 759 2	RK7002
Q813	057G 759 2	RK7002
Q814	057G 759 2	RK7002
Q815	057G 759 2	RK7002
Q816	057G 759 2	RK7002
Q817	057G 759 2	RK7002
Q803	057G 760 4	DTA144WKA BY ROHM SMT
Q806	057G 760 5	DTC144WKA BY ROHM SMT
Q902	057G 760 5	DTC144WKA BY ROHM SMT
Q803	057G 760 4A	DTA144WN3/S SOT-23
Q902	057G 760 5A	DTC 144WN3/S SOT-23
Q806	057G 760 5A	DTC 144WN3/S SOT-23
R847	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R845	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R841	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R838	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R835	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R830	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R815	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R805	061G0603102	RST CHIP 1K 1/10W 5%
R807	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R809	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R826	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R832	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R837	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R840	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R842	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R846	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R848	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R851	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W

R825	061G0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W
R813	061G0603204	RST CHIPR 200 KOHM +-5% 1/10W
R839	061G0603204	RST CHIPR 200 KOHM +-5% 1/10W
R814	061G0603220	RST CHIPR 22 OHM +-5% 1/10W
R820	061G0603220	RST CHIPR 22 OHM +-5% 1/10W
R801	061G0603242	RST CHIPR 2.4 KOHM +-5% 1/10W
R823	061G0603333	RST CHIPR 33KOHM +-5% 1/10W
R831	061G0603364	RST CHIPR 360 KOHM +-5% 1/10W
C831	061G0603393	RST CHIPR 39 KOHM +-5% 1/10W
R836	061G0603394	RST CHIPR 390 KOHM +-5% 1/10W
R857	061G0603510 2F	RST CHIPR 51 KOHM +-1% 1/10W
R824	061G0603513	RST CHIPR 51 KOHM +-5% 1/10W
R822	061G0603560 2F	RST CHIPR 56 KOHM +-1% 1/10W
R817	061G0603620 2F	RST CHIPR 62 KOHM +-1% 1/10W
R816	061G0603912	RST CHIPR 9.1 KOHM +-5% 1/10W
R917	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R911	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R843	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R829	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R828	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R818	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R808	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R806	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R852	061G0805102	CHIP 1KOHM 1/10W
R827	061G0805102	CHIP 1KOHM 1/10W
R853	061G0805102	CHIP 1KOHM 1/10W
R855	061G0805102	CHIP 1KOHM 1/10W
R856	061G0805102	CHIP 1KOHM 1/10W
R922	061G0805102	CHIP 1KOHM 1/10W
R925	061G0805102	CHIP 1KOHM 1/10W
R854	061G0805102	CHIP 1KOHM 1/10W
R803	061G0805103	10 KOHM 1/10W
R804	061G0805103	10 KOHM 1/10W
R850	061G0805104	RST CHIP 100K 1/8W 5%
R913	061G0805203	CHIP 20KOHM 1/10W
R923	061G0805222	RST CHIPR 2.2KOHM +-5% 1/8W
R927	061G0805243 1F	RST CHIPR 2.43 KOHM +-1% 1/8W
R844	061G0805475 0F	RST CHIPR 475 OHM +-1% 1/8W
R834	061G0805475 0F	RST CHIPR 475 OHM +-1% 1/8W
R833	061G0805475 0F	RST CHIPR 475 OHM +-1% 1/8W

R810	061G0805475 0F	RST CHIPR 475 OHM +-1% 1/8W
R812	061G0805475 0F	RST CHIPR 475 OHM +-1% 1/8W
R819	061G0805475 0F	RST CHIPR 475 OHM +-1% 1/8W
R916	061G0805750 2F	RST CHIPR 75 KOHM +-1% 1/8W
R926	061G0805931 1F	RST CHIPR 9.31 KOHM +-1% 1/8W
J835	061G1206000	0 OHM 1/8W
J836	061G1206000	0 OHM 1/8W
J837	061G1206000	0 OHM 1/8W
R811	061G1206000	0 OHM 1/8W
J842	061G1206000	0 OHM 1/8W
J841	061G1206000	0 OHM 1/8W
J839	061G1206000	0 OHM 1/8W
J838	061G1206000	0 OHM 1/8W
J824	061G1206000	0 OHM 1/8W
J827	061G1206000	0 OHM 1/8W
J828	061G1206000	0 OHM 1/8W
J829	061G1206000	0 OHM 1/8W
J803	061G1206000	0 OHM 1/8W
J822	061G1206000	0 OHM 1/8W
J823	061G1206000	0 OHM 1/8W
R909	061G1206100	10 OHM 1/8W
R904	061G1206105	1M 1206
R905	061G1206105	1M 1206
R906	061G1206105	1M 1206
R907	061G1206105	1M 1206
R910	061G1206221	RST CHIPR 220 OHM +-5% 1/4W
R921	061G1206301	RST CHIPR 300 OHM +-5% 1/4W
R908	061G1206339	3.3 1206
R919	061G1206470	47 1206
R920	061G1206470	47 1206
R802	061G1206471	470 1206
D813	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
D824	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
D825	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
D826	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
D811	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
D812	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

C807	065G0603103 32	0.01UF +-10% 50V X7R
C851	065G0603103 32	0.01UF +-10% 50V X7R
C850	065G0603103 32	0.01UF +-10% 50V X7R
C846	065G0603103 32	0.01UF +-10% 50V X7R
C845	065G0603103 32	0.01UF +-10% 50V X7R
C839	065G0603103 32	0.01UF +-10% 50V X7R
C838	065G0603103 32	0.01UF +-10% 50V X7R
C825	065G0603103 32	0.01UF +-10% 50V X7R
C824	065G0603103 32	0.01UF +-10% 50V X7R
C815	065G0603103 32	0.01UF +-10% 50V X7R
C814	065G0603103 32	0.01UF +-10% 50V X7R
C808	065G0603103 32	0.01UF +-10% 50V X7R
C853	065G0603104 32	CHIP 0.1UF 50V X7R
C811	065G0603104 32	CHIP 0.1UF 50V X7R
C828	065G0603104 32	CHIP 0.1UF 50V X7R
C834	065G0603104 32	CHIP 0.1UF 50V X7R
C841	065G0603104 32	CHIP 0.1UF 50V X7R
C844	065G0603104 32	CHIP 0.1UF 50V X7R
C847	065G0603104 32	CHIP 0.1UF 50V X7R
C849	065G0603104 32	CHIP 0.1UF 50V X7R
C852	065G0603104 32	CHIP 0.1UF 50V X7R
C810	065G0603105 12	CHIP 1UF 16VX7R 0603
C813	065G0603105 12	CHIP 1UF 16VX7R 0603
C818	065G0603105 12	CHIP 1UF 16VX7R 0603
C827	065G0603105 12	CHIP 1UF 16VX7R 0603
C816	065G0603224 22	CHIP 0.22UF 25V X7R
C817	065G0603473 32	CHIP 0.047UF 50V X7R
C829	065G0603473 32	CHIP 0.047UF 50V X7R
C820	065G0603474 27	CHIP 0.47UF 25V Y5V
C830	065G0603682 32	CHIP 0.0068UF 50V X7R 0603
C925	065G0805103 22 GP	CHIP 0.01UF 25V X7R 0805
C802	065G0805104 32	CHIP 0.1U 50V X7R
C809	065G0805104 32	CHIP 0.1U 50V X7R
C835	065G0805104 32	CHIP 0.1U 50V X7R
C843	065G0805104 32	CHIP 0.1U 50V X7R
C854	065G0805104 32	CHIP 0.1U 50V X7R
C908	065G0805104 32	CHIP 0.1U 50V X7R
C917	065G0805104 32	CHIP 0.1U 50V X7R
C918	065G0805104 32	CHIP 0.1U 50V X7R
C924	065G0805104 32	CHIP 0.1U 50V X7R

C823	065G0805105 22	CHIP 1UF 25V X7R 0805
C912	065G0805105 22	CHIP 1UF 25V X7R 0805
C909	065G0805201 32	CHIP 200PF 50V MPO 0805
C822	065G0805221 31	220PF 50V NPO
C826	065G0805472 31	CHIP 4700PF 50V X7R 0805
C913	065G1206102 72	CHIP 1000PF 500V X7R
C803	065G1206475 22	4.7U/25V X7R
C806	065G1206475 22	4.7U/25V X7R
C836	065G1206475 22	4.7U/25V X7R
C840	065G1206475 22	4.7U/25V X7R
C856	065G1206475 22	4.7U/25V X7R
C859	065G1206475 22	4.7U/25V X7R
D906	093G 64 32	LL4148 SMD
D827	093G 64 32	LL4148 SMD
D803	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D804	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D805	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D808	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D809	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D810	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D815	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D816	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D818	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D820	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D822	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D823	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D906	093G 64 44 S	LL4148WP
D827	093G 64 44 S	LL4148WP
D906	093G 6432V	LL4148-GSO8
D827	093G 6432V	LL4148-GSO8
ZD902	093G 39S 15 T	RLZ15B LLDS
ZD804	093G 39S 24 T	RLZ 5.6B LLDS
ZD802	093G 39S 24 T	RLZ 5.6B LLDS
ZD801	093G 39S 24 T	RLZ 5.6B LLDS
ZD803	093G 39S 35 T	RLZ 9.1C LLDS
	PW2066SEI1AIP	POWER BOARD FOR AI
CN901	006G 31500	EYELET
T901	006G 31502	1.5MM RIVET
PT806	006G 31502	1.5MM RIVET
PT805	006G 31502	1.5MM RIVET

PT804	006G 31502	1.5MM RIVET
PT803	006G 31502	1.5MM RIVET
PT802	006G 31502	1.5MM RIVET
PT801	006G 31502	1.5MM RIVET
NR901	006G 31502	1.5MM RIVET
L904	006G 31502	1.5MM RIVET
C905	006G 31502	1.5MM RIVET
IC903	056G 158 7	AP431V TO-92BY ATC
IC904	056G 158 7	AP431V TO-92BY ATC
IC903	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
IC904	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
R915	061G 17224152T	240 OHM 5% 1/4W
C907	067G 2152207KT	22UF +-20% 50V
C907	067G 305220 7T	22UF +-20% 50V
	715G1628 1	PCB BOARD
D821	093G 521ZJ26T	SB240
D819	093G 521ZJ26T	SB240
D817	093G 521ZJ26T	SB240
D814	093G 521ZJ26T	SB240
D807	093G 521ZJ26T	SB240
D806	093G 521ZJ26T	SB240
D802	093G 521ZJ26T	SB240
D801	093G 521ZJ26T	SB240
D901	093G 6026T52T	RECTIFIER DIODE FR107
D902	093G 6038P52T	PS102R
C906	065G 1K152 1T	1.5NF/1KV Z5F+-10%
F901	084G 56 1	FUSE 2A 250V WICKMANN
D821	093G 522SE26T	SR240S
D819	093G 522SE26T	SR240S
D817	093G 522SE26T	SR240S
D814	093G 522SE26T	SR240S
D807	093G 522SE26T	SR240S
D806	093G 522SE26T	SR240S
D802	093G 522SE26T	SR240S
D801	093G 522SE26T	SR240S

12. Different Parts List

Diversity of TA5SMUDKDUH9NP compared with TA5SMUDBDUH9NP		
Location	Part No.	Description
	089G402A18NLSM	POWER CORD

Diversity of TA5SMUDLDUH9NP compared with TA5SMUDBDUH9NP		
Location	Part No.	Description
	089G412A18NLSB	POWER CORD

Diversity of TA5SMUDBDUH92P compared with TA5SMUDBDUH9NP		
Location	Part No.	Description
	052G 1185	MIDDLE TAPE FOR CARTON
	705GQAK0F34S03	20" LCD plastic ALL ASS'Y
	CBPCA90KSUI6P	CONVERSION BOARD
	Q40G 20N608 5A	Rating label
	Q40G 20N608 6B	Rating label
	Q40G582C625 1A	Carton label
	Q44GA002608 1A	Carton
	040G 581654 3A	CARTON LABEL
	Q44GA002624 1A	Carton
	705GQAK0B34002	20" LCD REAR COVER-STAND-BASE ASS'Y

Diversity of TA5SMUDJDUH9NP compared with TA5SMUDBDUH9NP		
Location	Part No.	Description
	041G780062523A	WARRANTY CARD
	045G 76 28IB2	PE BAG FOR MANUAL
	089G401A18NLSB	POWER CORD
	Q41G780062534A	CARD
	Q44GA002608 3A	Carton
	041G780062521A	1/PAPER
	041G780062522A	COE
L902	S73L17450VH	transformer

Diversity of TA5AMUDLDUH9NP compared with TA5SMUDBDUH9NP		
Location	Part No.	Description
	015G8248 2	MAIN FRAME
	089G412A18NLSB	POWER CORD
	095G8018 30684	WIRE HARNESS
	750GLUA1N0211M000X	PANEL LCD M201UN02 V5A LENOVO AUO
	750GLUA1N0211N	AU 20.1 V5 PANEL
	750GLUA1N0212M000X	PANEL LCD M201UN02 V5A LENOVO AUO
	750GLUA1N0212N	AU 20.1 V5 PANEL
	CBPC6AMUH9Q2P	MAIN BOARD
	Q41G780062537B	QSG
U402	056G1125175	MTV416GMV

Diversity of TA5AMUDJDUH9NP compared with TA5SMUDBDUH9NP		
Location	Part No.	Description
	015G8248 2	MAIN FRAME
	045G 76 28IB2	PE BAG FOR MANUAL
	089G401A18NLSB	POWER CORD
	095G8018 30684	WIRE HARNESS
	095G801830X684	LVDS CABLE 30P-30P 180MM
	750GLUA1N0211M000X	PANEL LCD M201UN02 V5A LENOVO AUO
	750GLUA1N0211N	AU 20.1 V5 PANEL
	750GLUA1N0212M000X	PANEL LCD M201UN02 V5A LENOVO AUO
	750GLUA1N0212N	AU 20.1 V5 PANEL
	CBPC6AMUH9Q2P	MAIN BOARD
	Q41G780062534A	CARD
	Q44GA002608 3C	CARTON
	041G780062521A	1/PAPER
	041G780062522A	COE
	041G780062523A	WARRANTY CARD
	Q41G780062537B	QSG
U402	056G1125175	MTV416GMV

Diversity of TA5AMUDMDUH9NP compared with TA5SMUDBDUH9NP		
Location	Part No.	Description
	015G8248 2	MAIN FRAME
	095G8018 30684	WIRE HARNESS
	095G801830X684	LVDS CABLE 30P-30P 180MM
	750GLUA1N0211M000X	PANEL LCD M201UN02 V5A LENOVO AUO
	750GLUA1N0211N	AU 20.1 V5 PANEL
	750GLUA1N0212M000X	PANEL LCD M201UN02 V5A LENOVO AUO
	750GLUA1N0212N	AU 20.1 V5 PANEL
	CBPC6AMUH9Q2P	MAIN BOARD
	Q41G780062537B	QSG
U402	056G1125175	MTV416GMV

The BOM of TA5SMUDMDUH9NP is the same as TA5SMUDBDUH9NP.