

Service  
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# Service Manual

Horizontal Frequency  
30-83 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 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

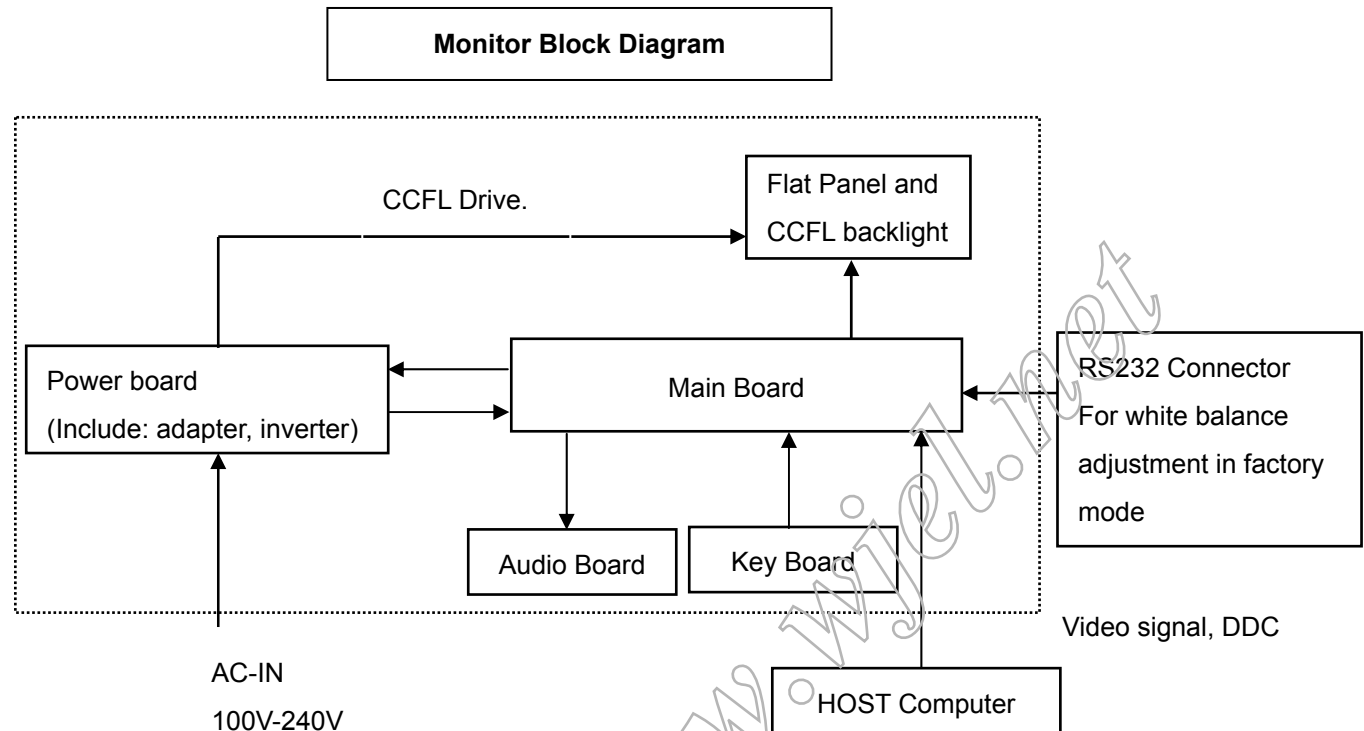
LCD Panel	Driving system	TFT Color LCD
	Size	51.11cm(20")
	Pixel pitch	0.258mm( H )x 0.258mm( V )
	Response time (type)	5ms for CPT panel
	Viewable angle	170° (H) 160° (V) (CR≥10)
	Video	R,G,B Analog Interface
Digital Interface		
Input	Sync. Type	H/V TTL
	H-Frequency	30kHz – 83kHz
	V-Frequency	55-75Hz
Power Consumption	ON Mode	<65W
	OFF Mode	<2W
Display Color	16.7M	
Dot Clock	165MHz	
Contrast Ratio	800:1	
White	300cd/m <sup>2</sup>	
Max. Resolution	1680 x 1050	
Plug & Play	VESA DDC2B™	
Power Source	100~240VAC,47~63Hz	
Weight (N. W.)	5.7kg	
Input Connector	D-Sub 15pin	
	DVI 24pin	
Input Video Signal	Analog:0.7Vp-p(standard),75 OHM, Positive	
	Digital signal	
Safety Certifications	UL/CUL , FCC, CE, Gost-R, BSMI,CCC,VCCI,C-Tick, CB, RoHS required	
Maximum Screen Size	Horizontal : 433.44mm	
	Vertical: 270.9mm	
Environmental Considerations	Operating Temp: 0°C to 35°C	
	Storage Temp: -20°C to 60°C	
	Operating Humidity: 45% to 85%	



## 2. LCD Monitor Description

The LCD monitor will contain a main board, a power board, an audio 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

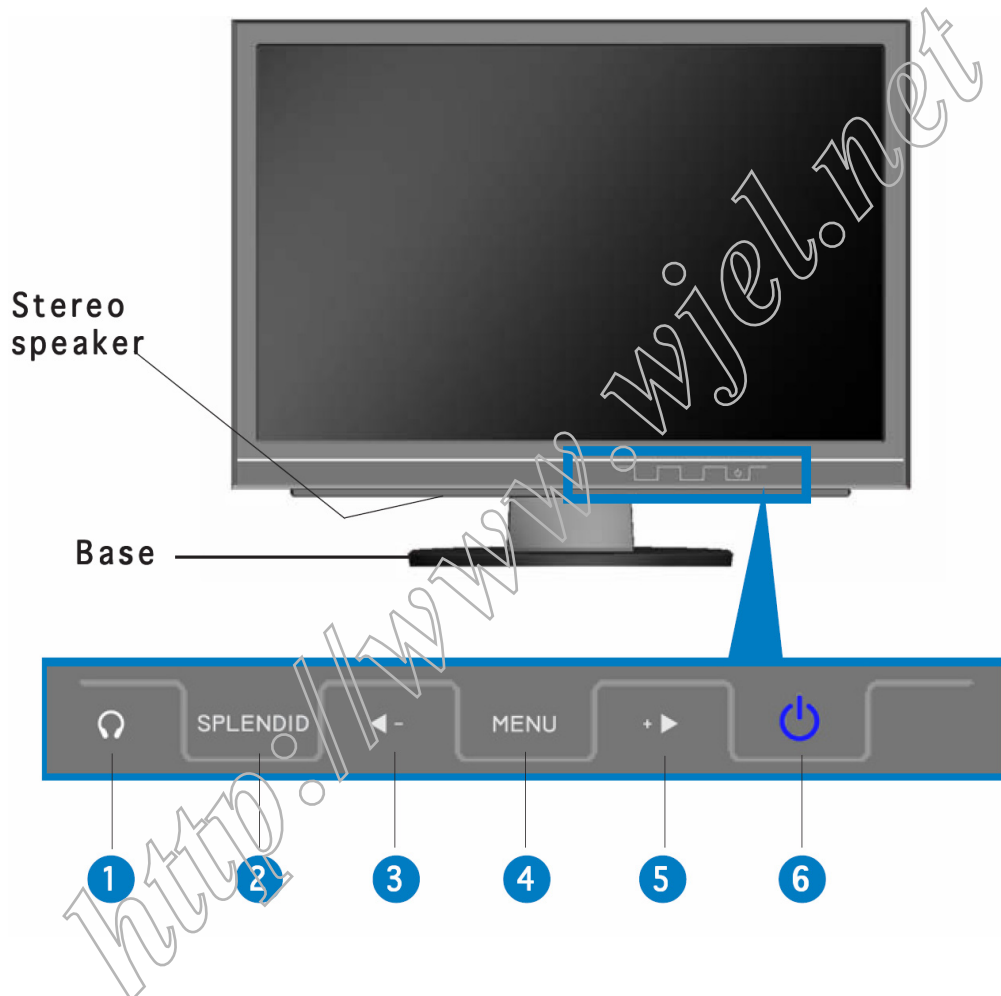
Press the power button to turn the monitor on or off. The other control buttons are located at the front of the panel of the monitor.

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, the power indicator will light up.

### 3.2 Control Buttons

#### 3.2.1 Key Control



### 3.2.2 Key Function

1. **Headphone port** . This port connects a headphone with a stereo mini-plug (3.5mm).



- The headphone port is under the icon .
- The headphone is purchased separately.

2. **SPLENDID Button:**

- Use this hotkey to switch from five video preset modes (Game Mode, Night View Mode, Scenery Mode, Standard Mode, Theater Mode) with SPLENDID™ Video Enhancement Technology.
- Exit the OSD menu or go back to the previous menu as the OSD menu is active.
- Automatically adjust the image to its optimized position, clock, and phase by pressing this button for 2-4 seconds.

3. **◀- Button:**

- Press this button to decrease the value of the function selected or move left/up to the previous function.
- This is also a hotkey for Volume adjustment.

4. **MENU Button:**

- Press this button to enter/select the icon (function) highlighted while the OSD is activated.

5. **+▶ Button:**

- Press this button to increase the value of the function selected or move right/down to the next function.
- This is also a hotkey for Brightness adjustment.

6. **⏻ Power button/power indicator**

- Press this button to turn the monitor on/off
- The color definition of the power indicator is as the below table.

Status	Description
Blue	ON
Amber	Standby mode
OFF	OFF

### 3.3 OSD Menu

#### 3.3.1 How to Reconfigure



1. Press the MENU button to activate the OSD menu.
2. Press ◀- and +▶ to navigate through the functions. Highlight and activate the desired function by pressing the MENU button. If the function selected has a sub-menu, press + and - again to navigate through the sub-menu functions. Highlight and activate the desired sub-menu function by pressing the MENU button.
3. Press ◀- and +▶ to change the settings of the selected function.
4. To exit the OSD menu, press the SPLENDID button. Repeat step 2 and step 3 to adjust any other function.

#### 3.1.2 OSD Function Introduction



##### 1. Splendid

This function contains five sub-functions you can select for your preference.

- **Scenery Mode:** advance for scenery use with SPLENDID™ Video Enhancement.
- **Standard Mode:** advance for general Window use with SPLENDID™ Video Enhancement.
- **Theater Mode:** advance for movie use with SPLENDID™ Video Enhancement.
- **Game Mode:** advance for game use with SPLENDID™ Video Enhancement.
- **Night View Mode:** advance for dark-display use with SPLENDID™ Video Enhancement.

## 2. Image

You can adjust brightness, contrast, sharpness, saturation, position (VGA only), and focus (VGA only) from this main function.



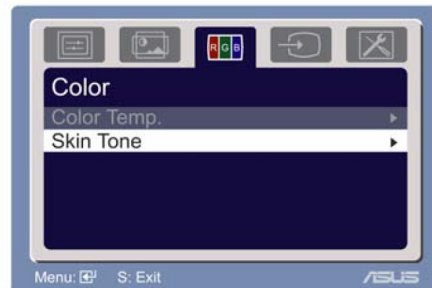
- **Brightness:** the adjusting range is from 0 to 100. + ▸ is a hotkey to activate this function.
- **Contrast:** the adjusting range is from 0 to 100.
- **Sharpness:** the adjusting range is from 0 to 100.
- **Saturation:** the adjusting range is from 0 to 100.
- **Position:** adjusts the horizontal position (H-Position) and the vertical position (V-Position) of the image. The adjusting range is from 0 to 100.
- **Focus:** reduces Horizontal-line noise and Vertical-line noise of the image by adjusting (Phase) and (Clock) separately. The adjusting range is from 0 to 100.



- Phase adjusts the phase of the pixel clock signal. With a wrong phase adjustment, the screen shows horizontal disturbances.
- Clock (pixel frequency) controls the number of pixels scanned by one horizontal sweep. If the frequency is not correct, the screen shows vertical stripes and the image is not proportional.

## 3. Color

Select the image color you like from this function.



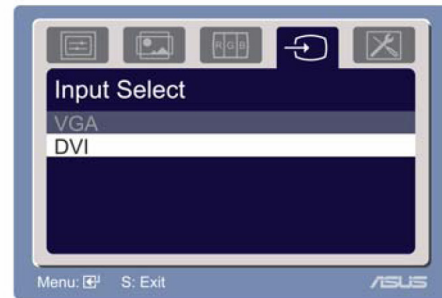
- **Color Temp.:** contains five color modes including Cool, Normal, Warm, sRGB, and User mode.
- **Skin Tone:** contains three color modes including Reddish, Natural, and Yellowish.



In the User mode, colors of R (Red), G (Green), and B (Blue) are user-configurable; the adjusting range is from 0-100.

#### 4. Input Select

In this function, you can select either VGA or DVI input source. (Only for some models)



#### 5. System Setup

Allow you to adjust the system.



- **Volume:** the adjusting range is from 0 to 100. is a hotkey to activate this function.
- **OSD Setup:** adjusts the horizontal position (H-Position) and the vertical position (V-Position) of the OSD. The adjusting range is from 0 to 100. In the OSD Timeout selection, you can adjust the OSD timeout from 10 to 120.
- **Language:** there are eleven languages for your selection, including English, German, Italian, French, Dutch, Spanish, Russian, Traditional Chinese, Simplified Chinese, Japanese, and Korean.
- **Information:** shows the monitor information.
- **Reset:** "Yes" allows you to revert to the preset mode.

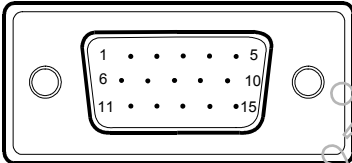
## 4. Input/Output Specification

### 4.1 Input Signal Connector

#### Analog connectors

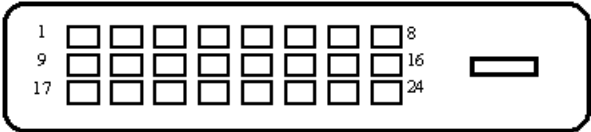
Pin No.	Description	Pin No.	Description
1.	Red Video	9.	+5V
2.	Green Video	10.	Logic Ground
3.	Blue Video	11.	Monitor Ground
4.	Monitor Ground	12.	DDC-Serial Data
5.	DDC-Return	13.	H-Sync
6.	Red Ground	14.	V-Sync
7.	Green Ground	15.	DDC-Serial Clock
8.	Blue Ground		

VGA connector layout



#### DVI connectors

Pin	Meaning	Pin	Meaning	Pin	Meaning
1.	T2-	9.	T1-	17.	T0-
2.	T2+	10.	T1+	18.	T0+
3.	SGND	11.	SGND	19.	SGND
4.	T4- (NC)	12.	T3- (NC)	20.	T5- (NC)
5.	T4+ (NC)	13.	T3+ (NC)	21.	T5+ (NC)
6.	DDC Clock	14.	+5V	22.	SGND
7.	DDC Data	15.	GND	23.	TC+
8.	A_VSY (NC)	16.	HPD	24.	TC-





## 4.2 Factory Preset Display Modes

Standard	Resolution	Horizontal Frequency	Vertical Frequency	Pixel Frequency
DOS	720 x 400	31.47KHz	70Hz	28.32MHz
VGA	640 x 480	31.47KHz	60Hz	25.18MHz
	640 x 480	37.90KHz	72Hz	31.50MHz
	640 x 480	37.50KHz	75Hz	31.50MHz
SVGA	800 x 600	35.16KHz	56Hz	36.00MHz
	800 x 600	37.90KHz	60Hz	40.00MHz
	800 x 600	48.10KHz	72Hz	50.00MHz
	800 x 600	46.90KHz	75Hz	49.50MHz
XGA	1024 x 768	48.40KHz	60Hz	65.00MHz
	1024 x 768	56.50KHz	70Hz	75.00MHz
	1024 x 768	60.02KHz	75Hz	78.75MHz
SXGA	1280 x 1024	64.00KHz	60Hz	108.00MHz
	1280 x 1024	80.00KHz	75Hz	135.00MHz
VESA	1152 x 864	67.50KHz	75Hz	108.00MHz
VESA	1440 x 900	55.94KHz	60Hz	106.00MHz
VESA (Primary)	1680 x 1050	65.29KHz	60Hz	146.25MHz

## 4.3 Power Supply Requirements

A/C Line voltage range	100 V ~ 240 V
A/C Line frequency range	50 ± 3Hz, 60 ± 3Hz
Peak surge current	< 60A peak at 240 VAC and cold starting < 30A peak at 120VAC and cold starting
Leakage current	< 3.5mA
Power line surge	No advance effects (no loss of information or defect) with a maximum of 1 half-wave missing per second



## 4.4 Panel Specification

### 4.4.1 General Features

CLAA201WA07 is 20.1"(51.11cm) color TFT-LCD (Thin Film Transistor Liquid Crystal Display) module composed of LCD panel, LVDS driver ICs, control circuit and backlight(CCFL, 6 tubes). By applying 8 bit digital data (6bits+FRC), 1680×1050, driven by 5 voltages, 16.7M-color images are displayed on the 20.1" diagonal screen. The module structure is fixed by iron frame, without the inverter for the backlight. Interface of data and control signals is typ. General specification are summarized in the following table:

ITEM	SPECIFICATION
Display Area (mm)	433.44 (H) ×270.9 (V) (20.1-inch diagonal)
Number of Pixels	1680 (H) ×1050(V)
Pixel Pitch (mm)	0.258(H) ×0.258(V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	Normally White, TN
Number of Colors	16.7M(6bits+FRC)
Optimum Viewing Angle	6 o'clock
Brightness (cd/m <sup>2</sup> )	300cd/m <sup>2</sup> (Typ.) (center, 6.0mA)
Viewing Angle	170/160 (Typ.)
Wide Viewing Angle Technology	Excellent Wide View Film
Response Time	5ms (Typ.)
Surface Treatment	Anti-glare, 3H
Color Saturation	72% (Typ.)
Total Module Power (W)	34.0(Typ.) (w/o Inverter)
Module Size (mm)	459.4(W) ×296.4(H) ×21.6(D) (Typ.)
Module Weight (g)	3100(max)
Backlight Unit	CCFL, 6 tubes(top ×3/bottom ×3) , Edge light

## 4.4.2 Optical Characteristics

ITEM		SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Contrast (CEN)		CR	$\theta = \psi = 0^\circ$	500	800	--	--
Luminance (CEN)		L	$\theta = \psi = 0^\circ$	250	300	--	cd/m <sup>2</sup>
9P Uniformity		$\Delta L$	$\theta = \psi = 0^\circ$	75	80	--	%
Response Time		Tr+Tf	$\theta = \psi = 0^\circ$	--	5	10	ms
Image sticking		Tis	4 hours	0	--	3	s
Cross talk		CT	$\theta = \psi = 0^\circ$	0	--	1	%
View angle	Horizontal	$\psi$	$CR \geq 10$	150	170	--	Deg.
	Vertical	$\theta$		145	160	--	Deg.
	Horizontal	$\psi$	$CR \geq 5$	150	170	--	Deg.
	Vertical	$\theta$		150	170	--	Deg.
Color Coordinates	White	x	$\theta = \psi = 0^\circ$	0.283	0.313	0.343	--
		y		0.299	0.329	0.359	
	Red	x		0.621	0.651	0.681	
		y		0.303	0.333	0.363	
	Green	x		0.247	0.277	0.307	
		y		0.584	0.614	0.644	
	Blue	x		0.115	0.145	0.175	
		y		0.052	0.082	0.112	
Gamut		CG	$\theta = \psi = 0^\circ$	70	72		%
Gamma		?	VESA	2.0	2.2	2.4	--

## 4.4.3 Electrical Characteristics

## (1) TFT-LCD

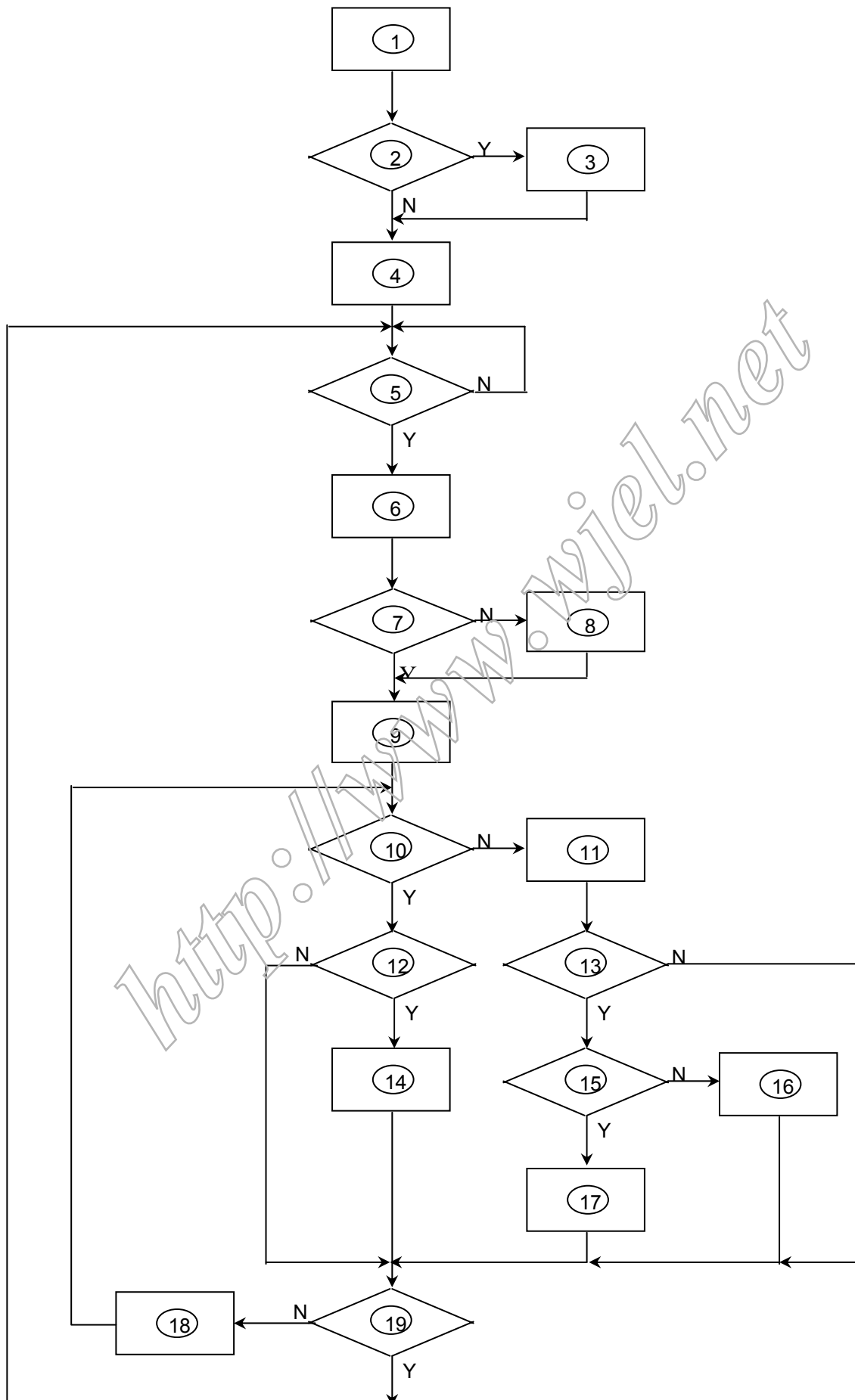
ITEM		SYMBOL	MIN	TYP	MAX	UNIT	REMARK
Power Supply Voltage for LCD		VCC	4.5	5.0	5.5	V	*1)
Power Supply Current for LCD		ICC	--	900	1500	mA	*2)
Permissible Ripple Voltage for Logic		VRP	--	--	100	mVp-p	VCC=5.0V
Differential Resistance		Zm	90	100	110	$\Omega$	
LVDS: IN+ , IN-	The same motion input Voltage	VCM	1.125	1.25	1.375	V	*3)
	Differential input Voltage	VID	250	350	450	mV	
	High electric potential threshold voltage	VTH	-	-	100	mV	
	Low electric potential threshold voltage	VTL	-100	-	-	mV	
LCD Inrush Current		Inrush	-	-	3	A	*4)
Power consumption		P	-	4.5	7.5	W	*2)

## (2) Backlight

ITEM	SYMBOL	MIN	TYP	MAX	UNIT	REMARK
Lamp Voltage	VL	680	765	840	Vrms	IL=6.0mA Ta=25°C
Lamp Current(Standard)	IL	5.5	6.0	6.5	mA <sub>rms</sub>	*1) Ta=25°C
Lamp Current(Operation)	ILO	3.0	6.0	6.5	mA <sub>rms</sub>	*1) Ta=25°C
Lamp Power Consumption*6) (for reference)	WL	—	(28)	—	W	IL=6.0mA Ta=25°C
Inverter Frequency	FI	45	60	75	kHz	*1) *2) Ta=25°C
Starting Lamp Voltage	VS	1820	—	—	Vrms	*5) Ta=0°C
		1550	—	—	Vrms	*5) Ta=25°C

## 5. Block Diagram

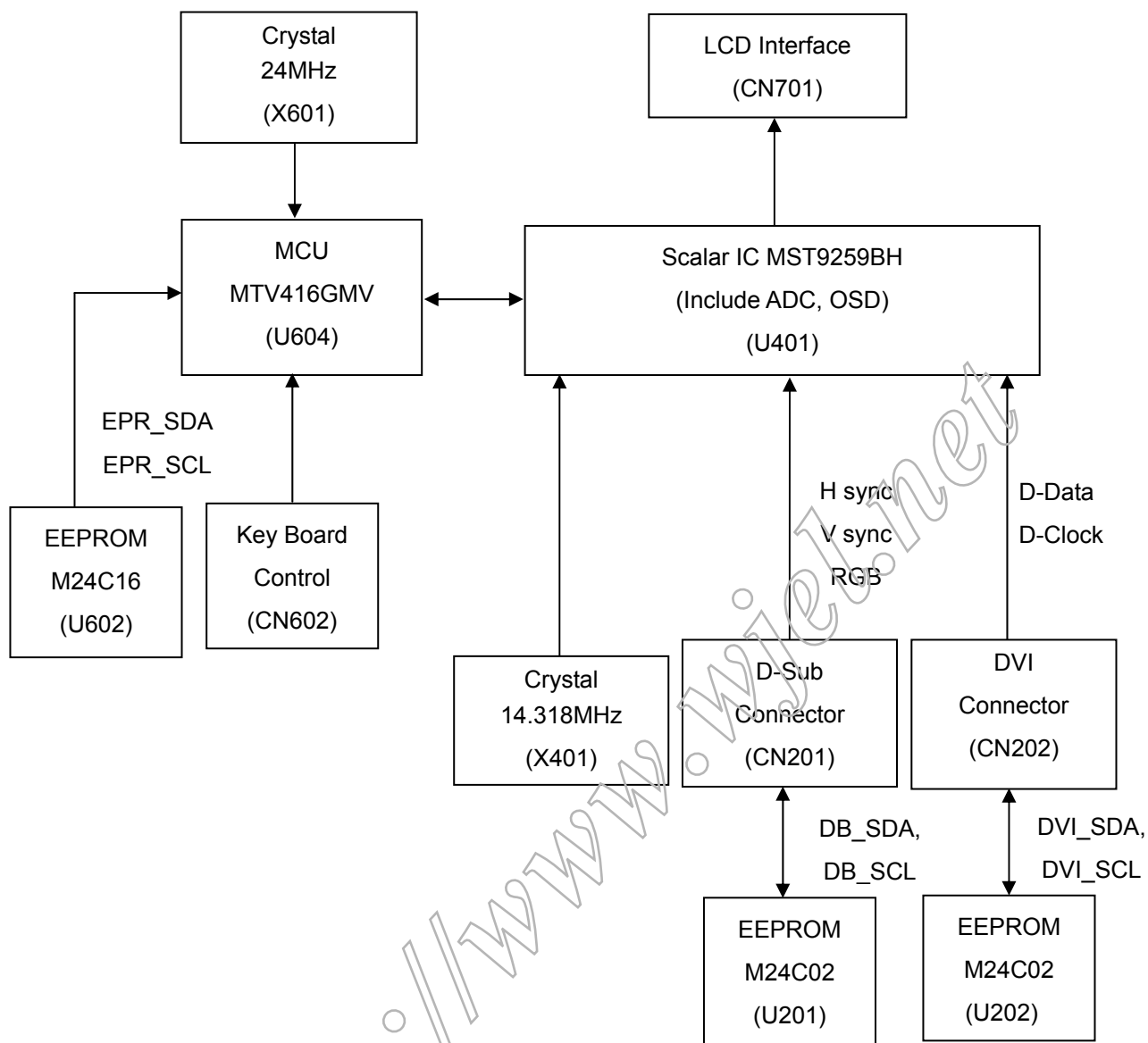
### 5.1 Software Flow Chat



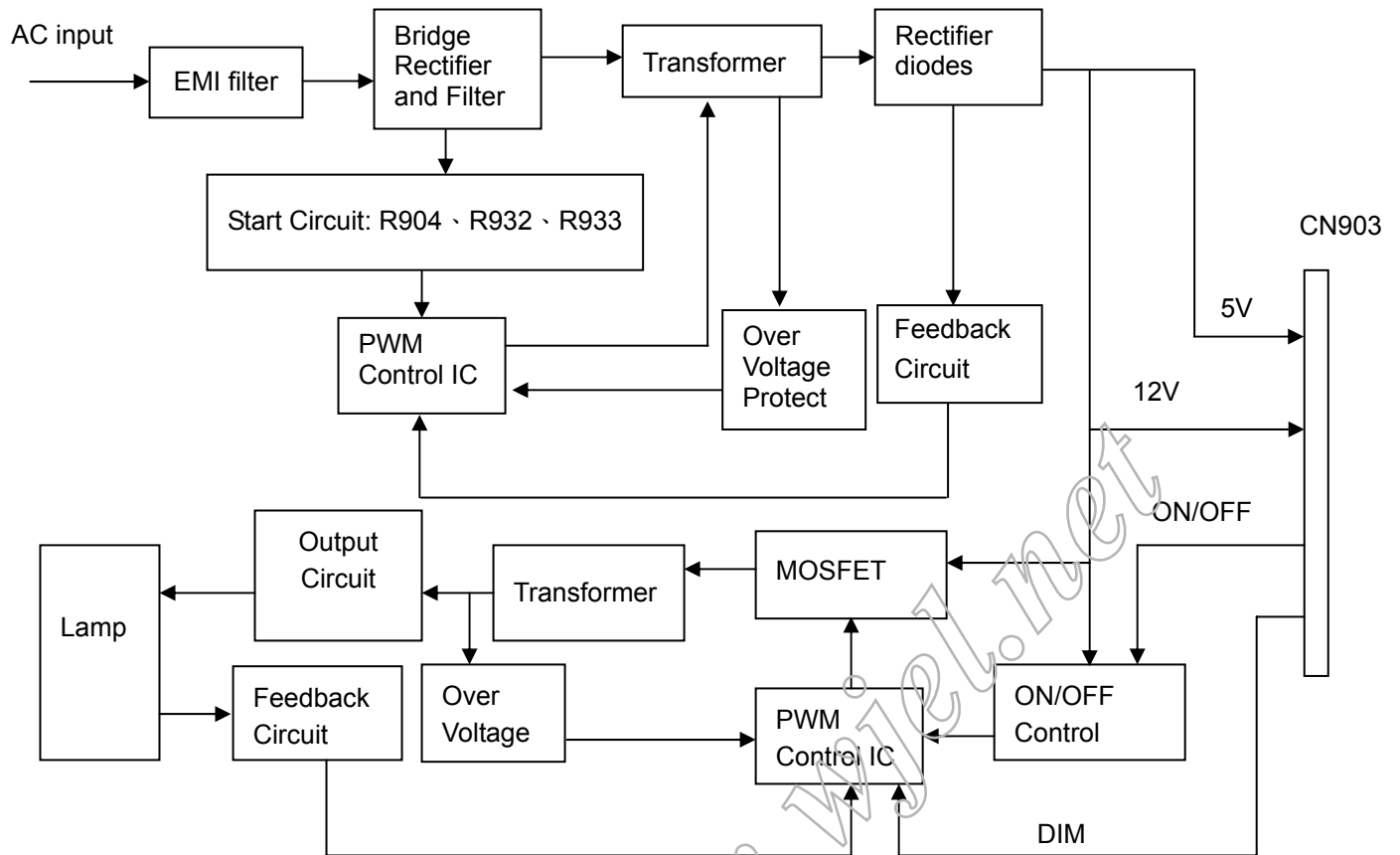
- 1) MCU initialize.
- 2) Is the EPROM blank?
- 3) Program the EPROM by default values.
- 4) Get the PWM value of brightness from EPROM.
- 5) Is the power key pressed?
- 6) Clear all global flags.
- 7) Are the AUTO and SELECT keys pressed?
- 8) Enter factory mode.
- 9) Save the power key status into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

## 5.2.1 Main Board



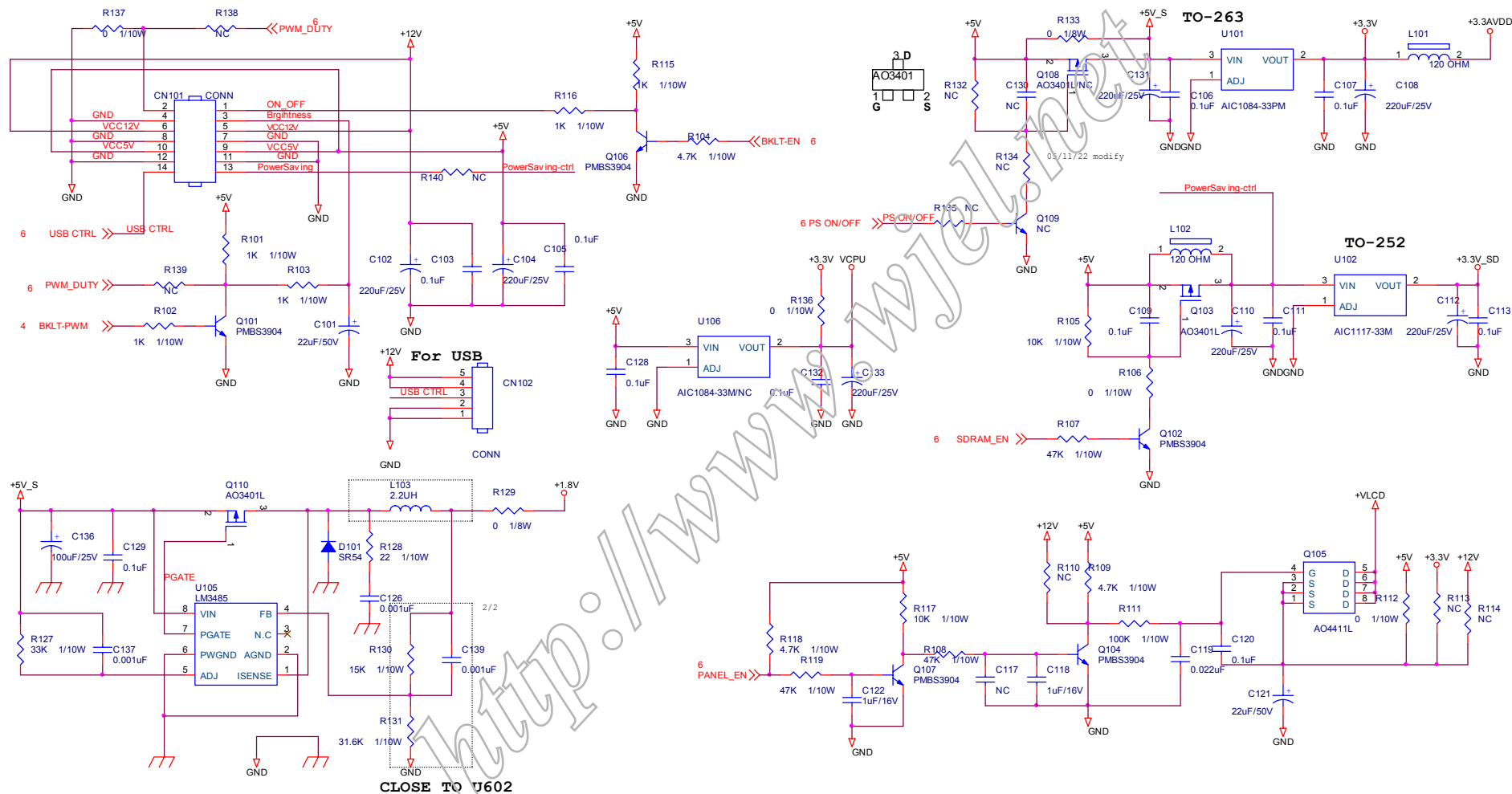
## 5.2.2 Inverter/Power Board



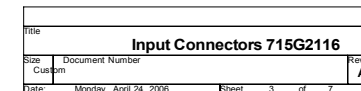
## 6. Schematic

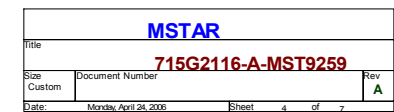
### 6.1 Main Board

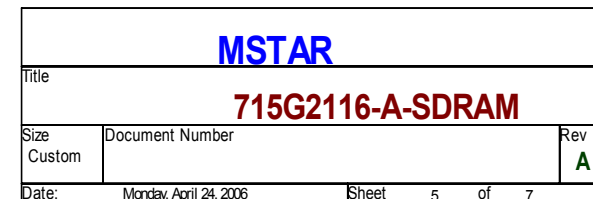
715G2116-1

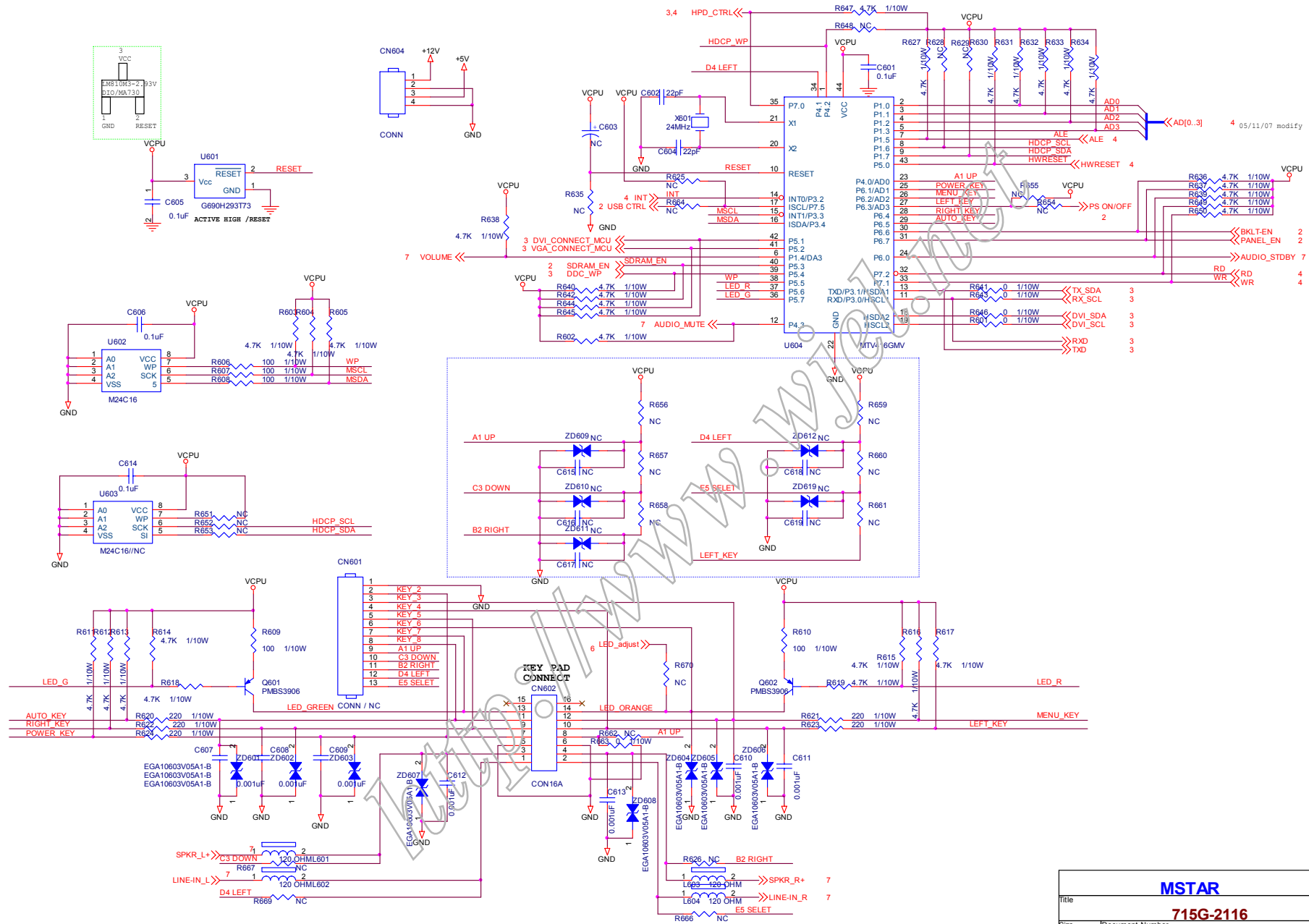










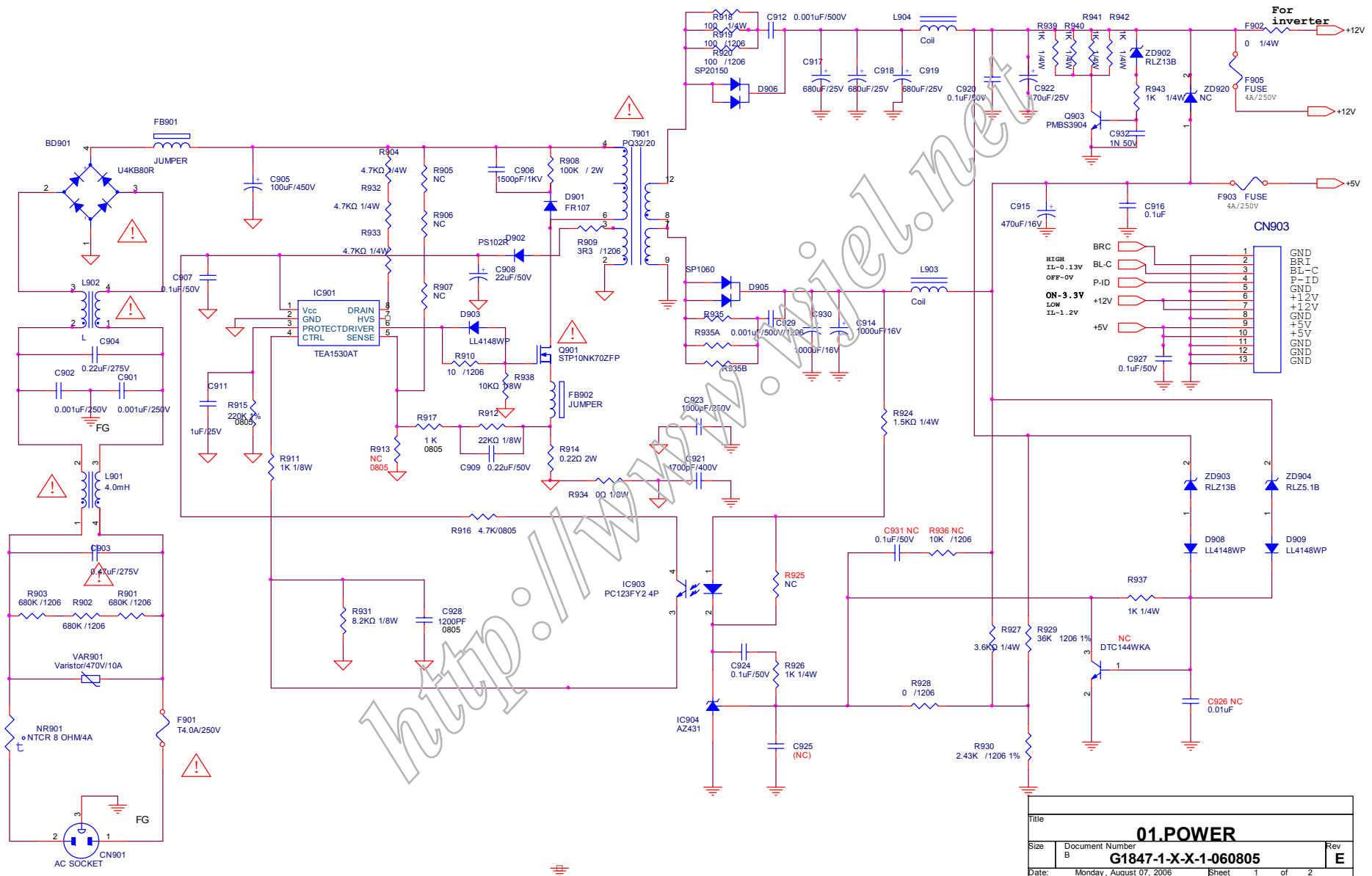


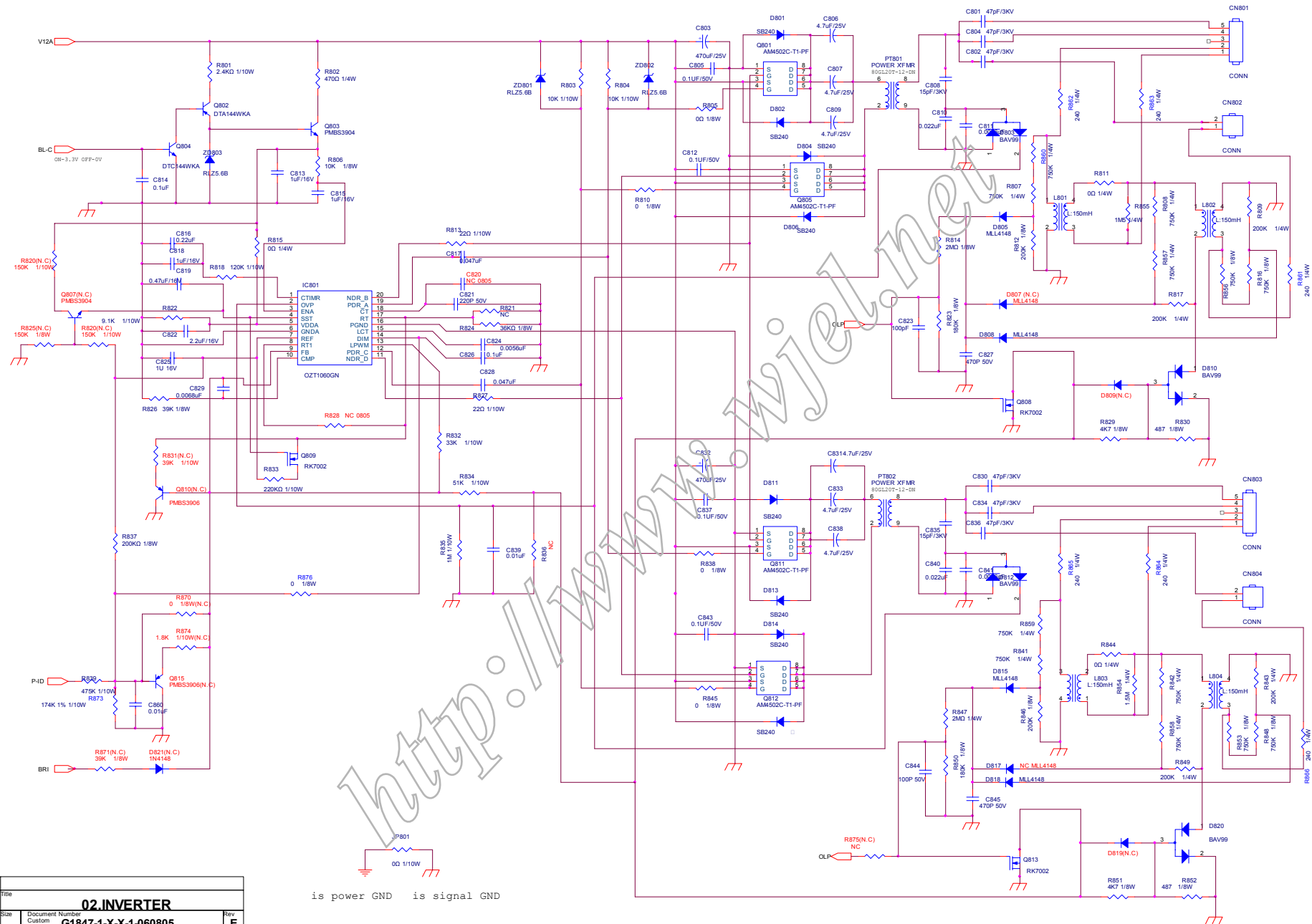
MSTAR		
715G-2116		
Size	Document Number	Rev
A3	MST9359V Demo Board	A
Date:	Monday, April 24, 2006	Sheet 6 of 7



## 6.2 Power Board

715G1847-1



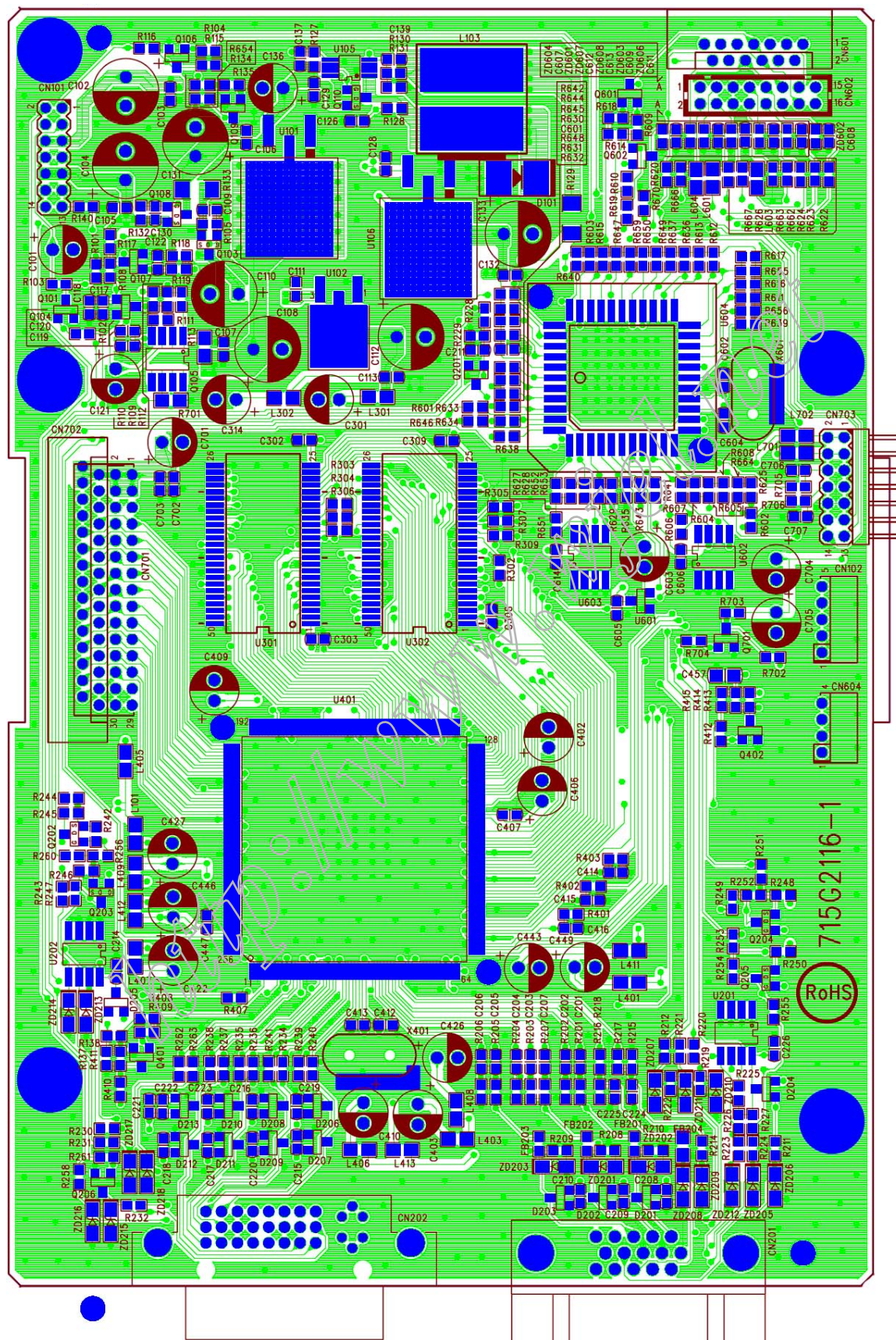




## 7. PCB Layout

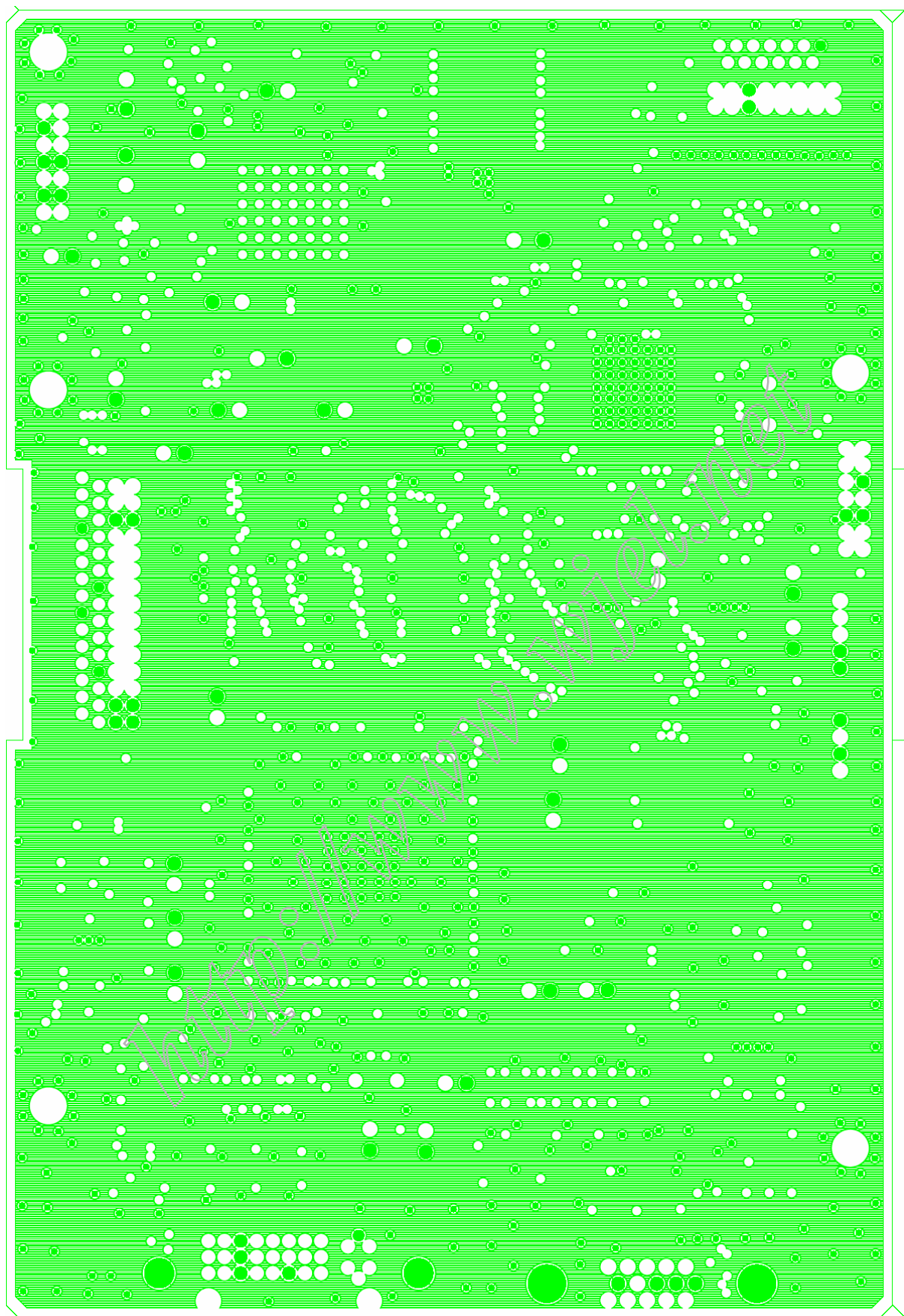
## 7.1 Main Board

**715G2116-1**



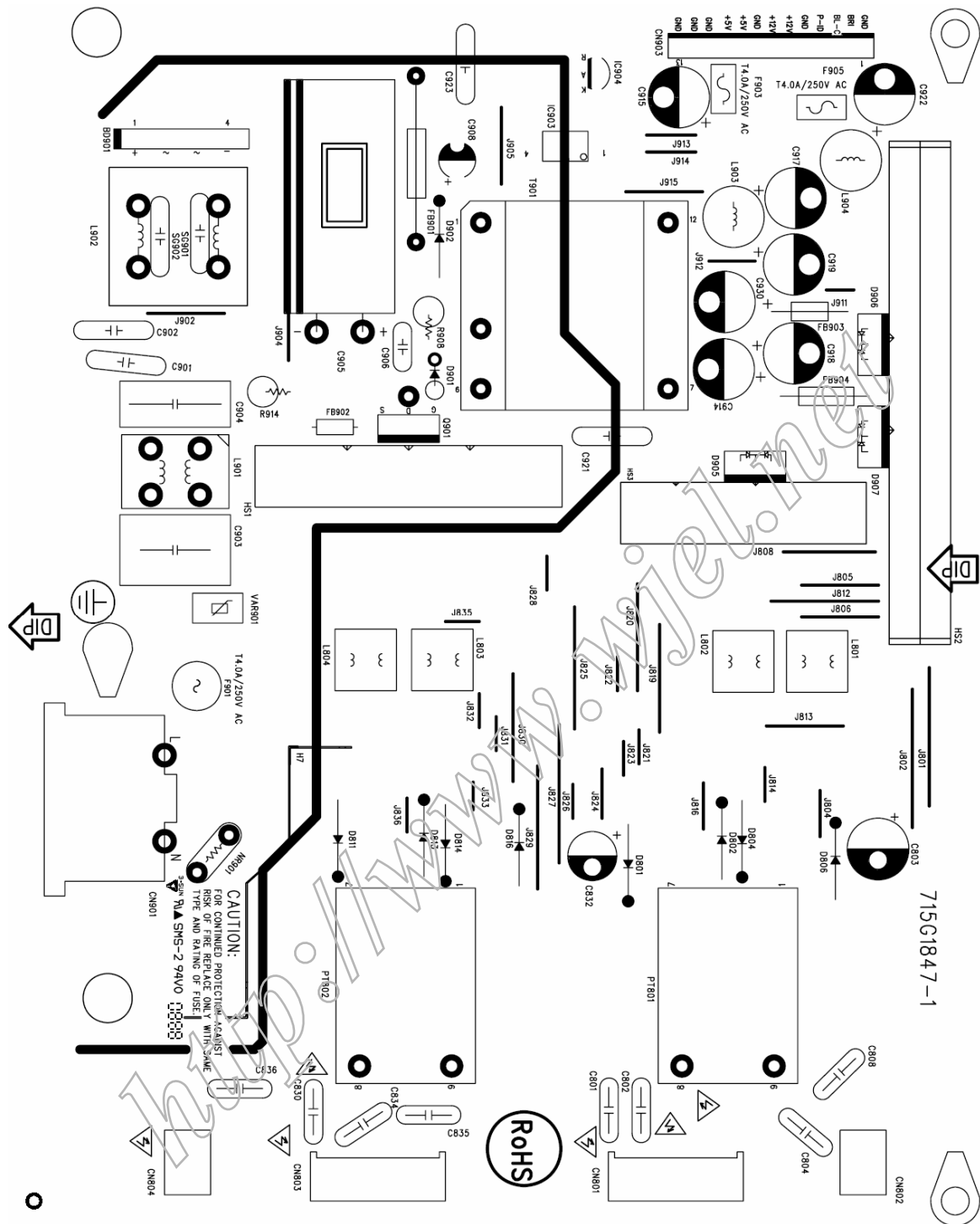




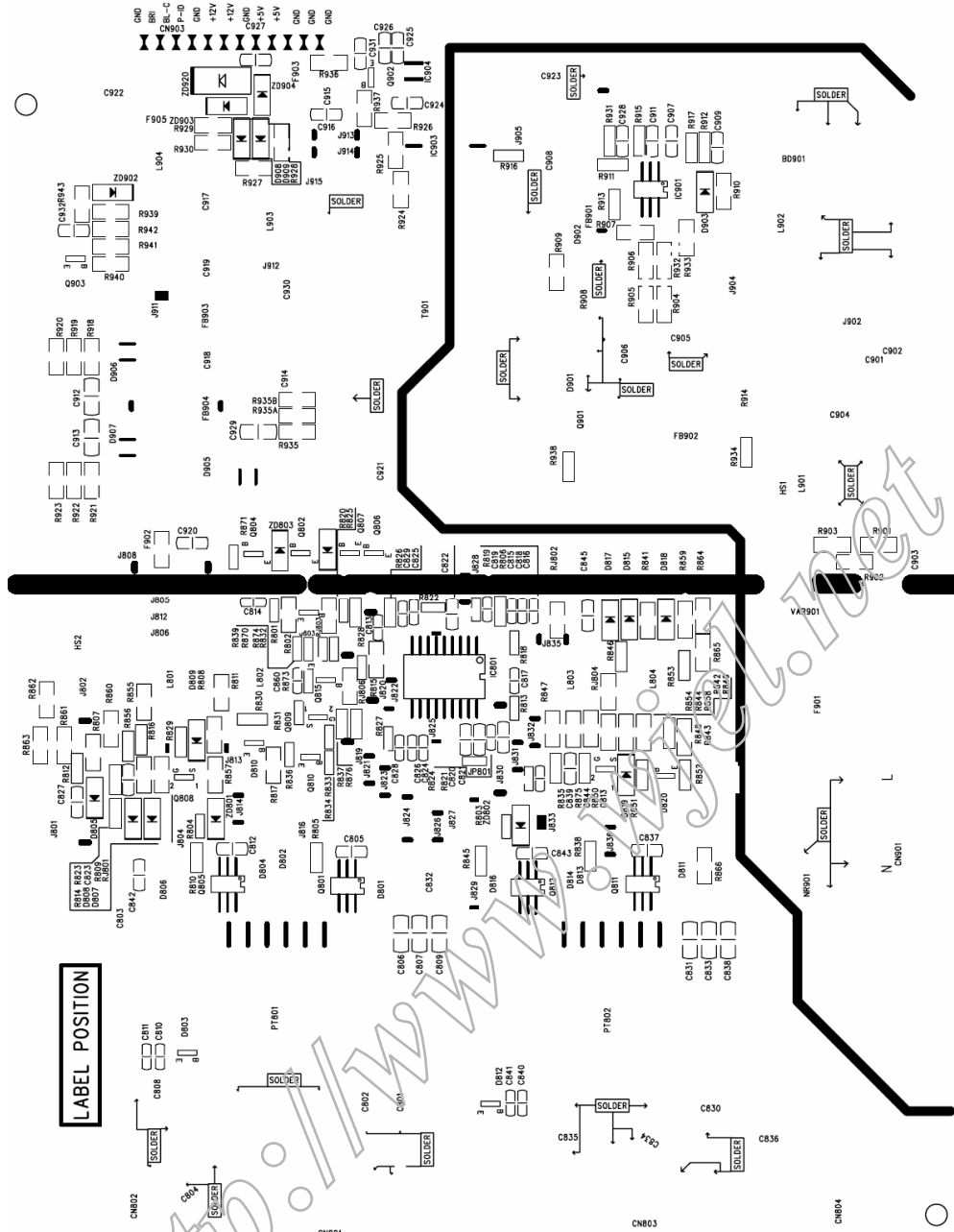


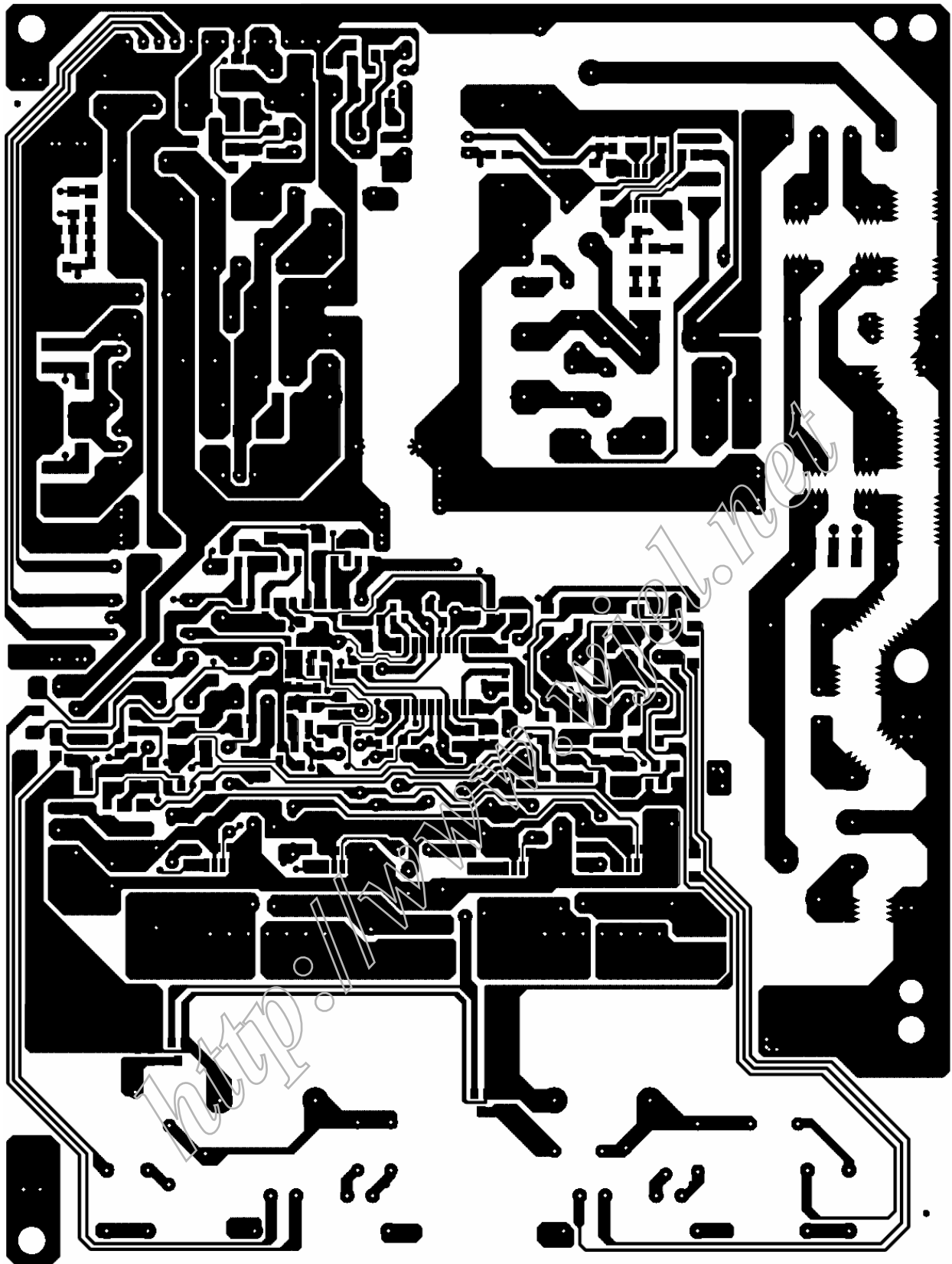
## 7.2 Power Board

715G1847-1



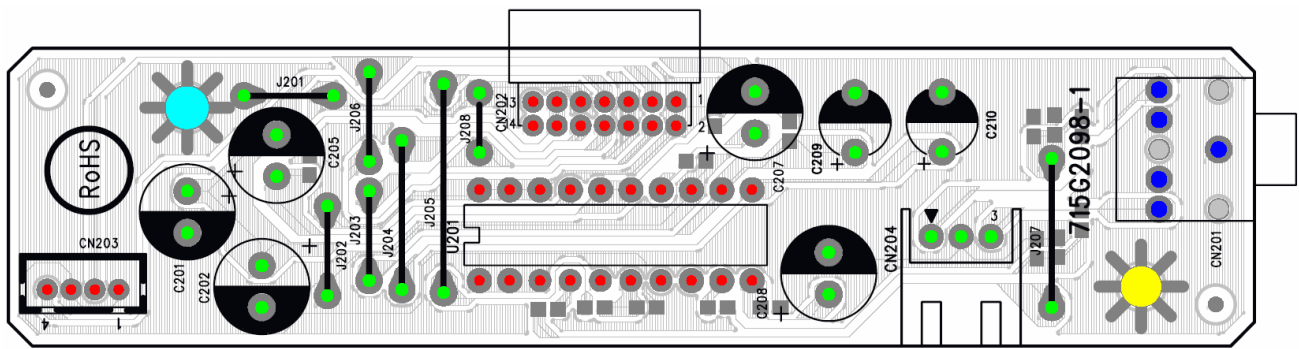
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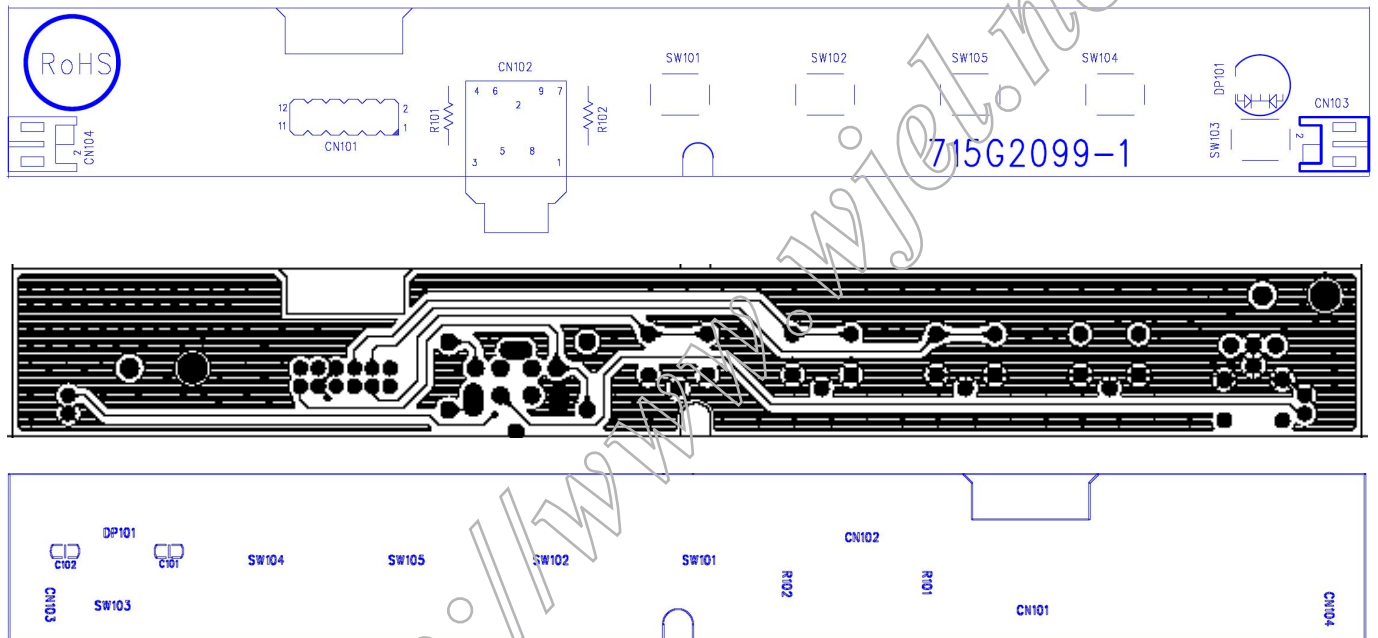
## 7.3 Audio Board

715G2098-1



## 7.4 Key Board

715G2099-1



## 8. Maintainability

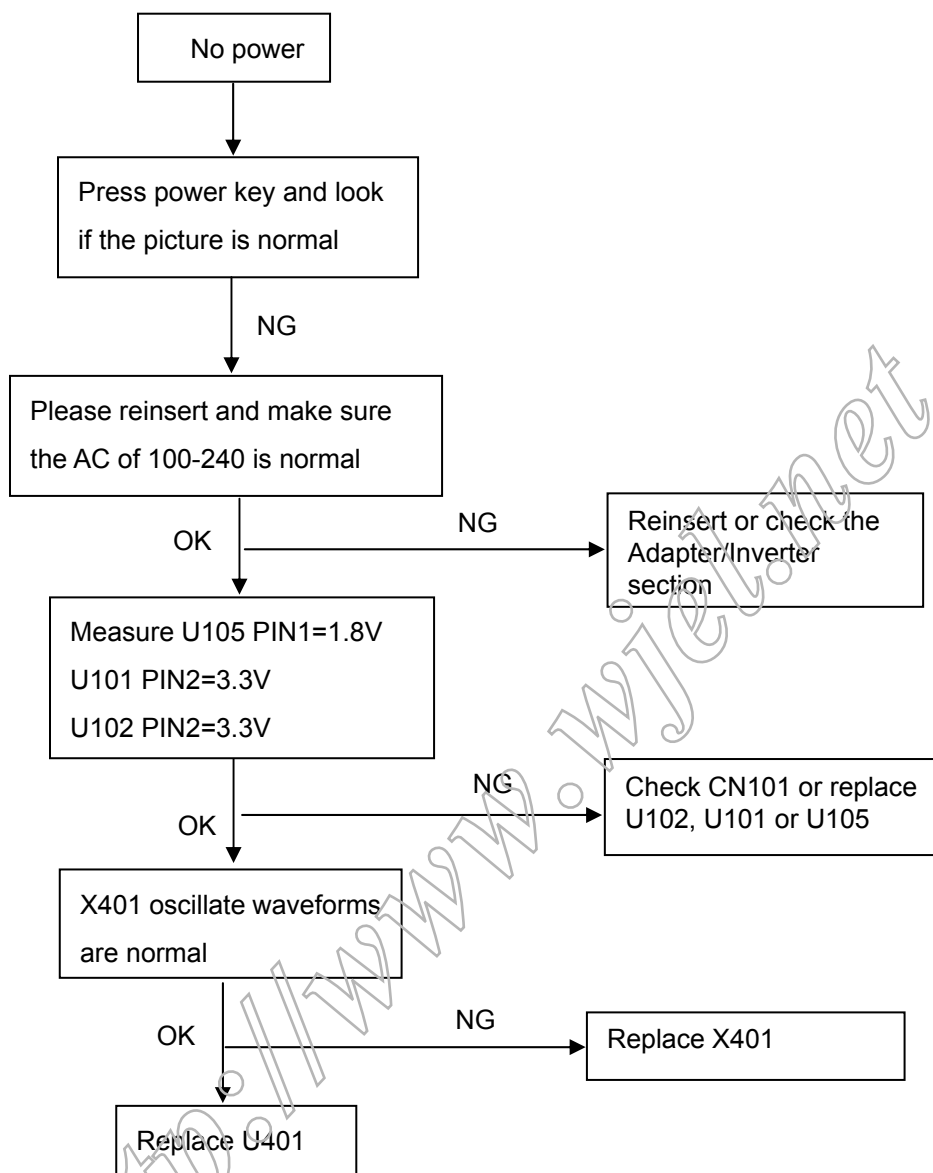
### 8.1 Equipments And Tools Requirement

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.

<http://www.wjel.net>

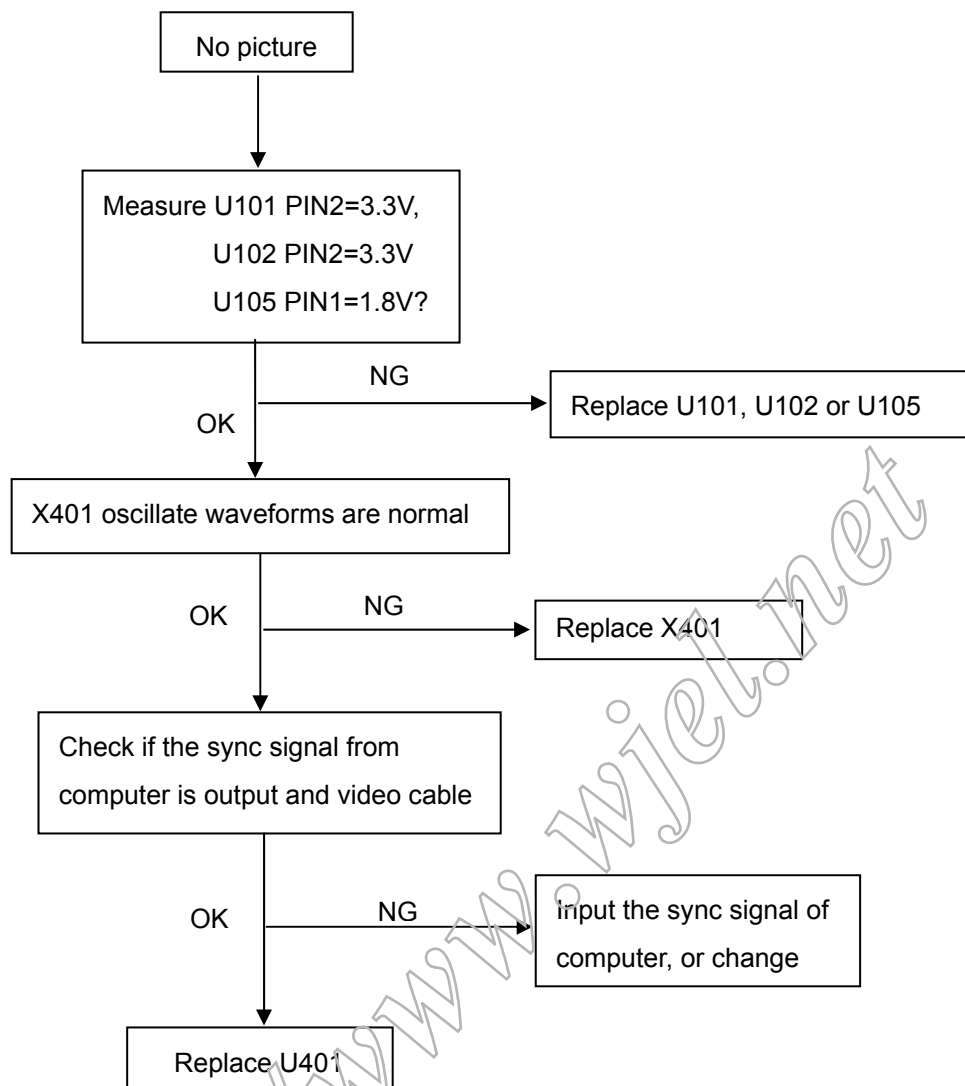
## 8.2 Trouble Shooting

### 8.2.1 Main Board

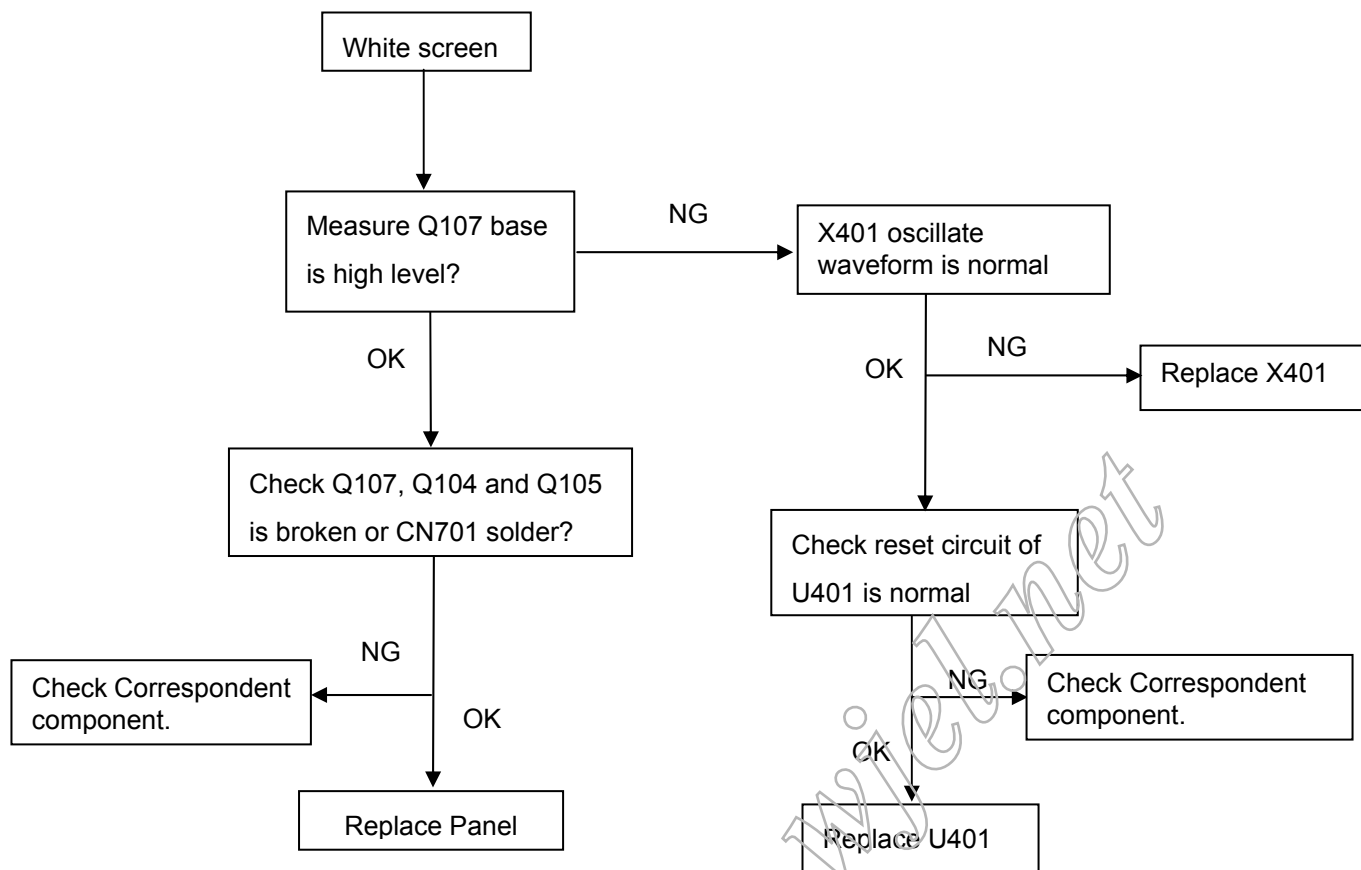




## (2). No Picture

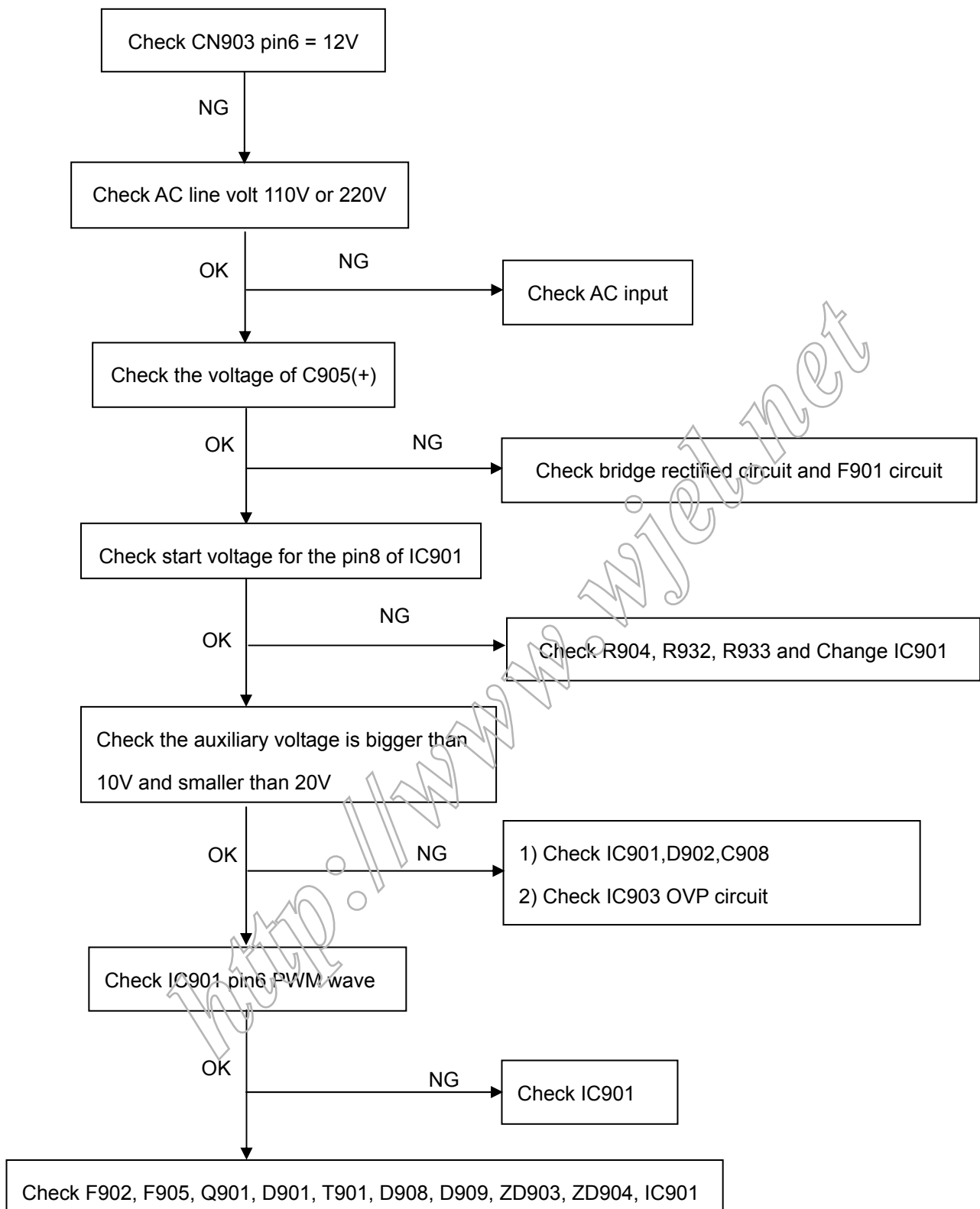


## (3). White screen

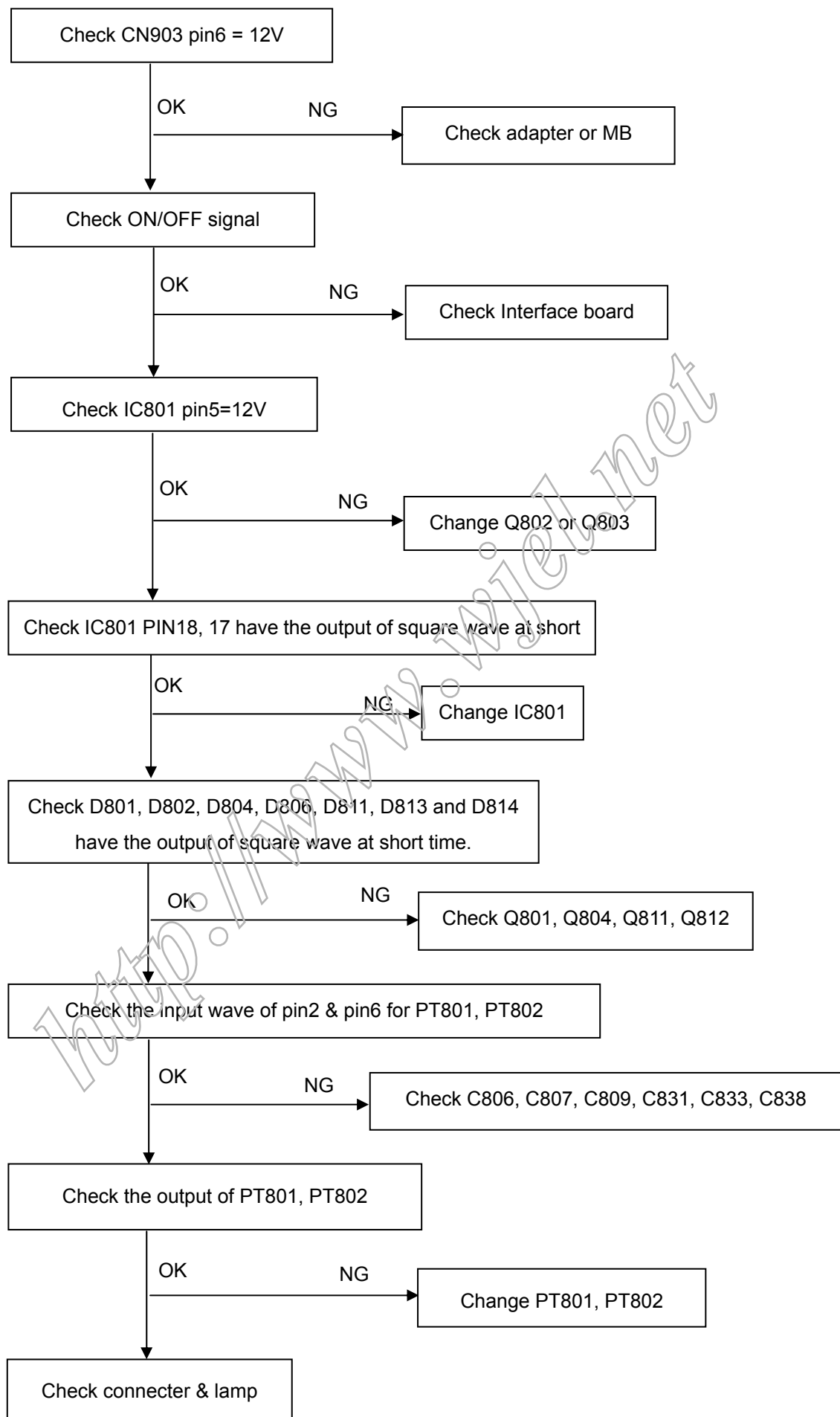


## 8.2.2 Power/Inverter Board

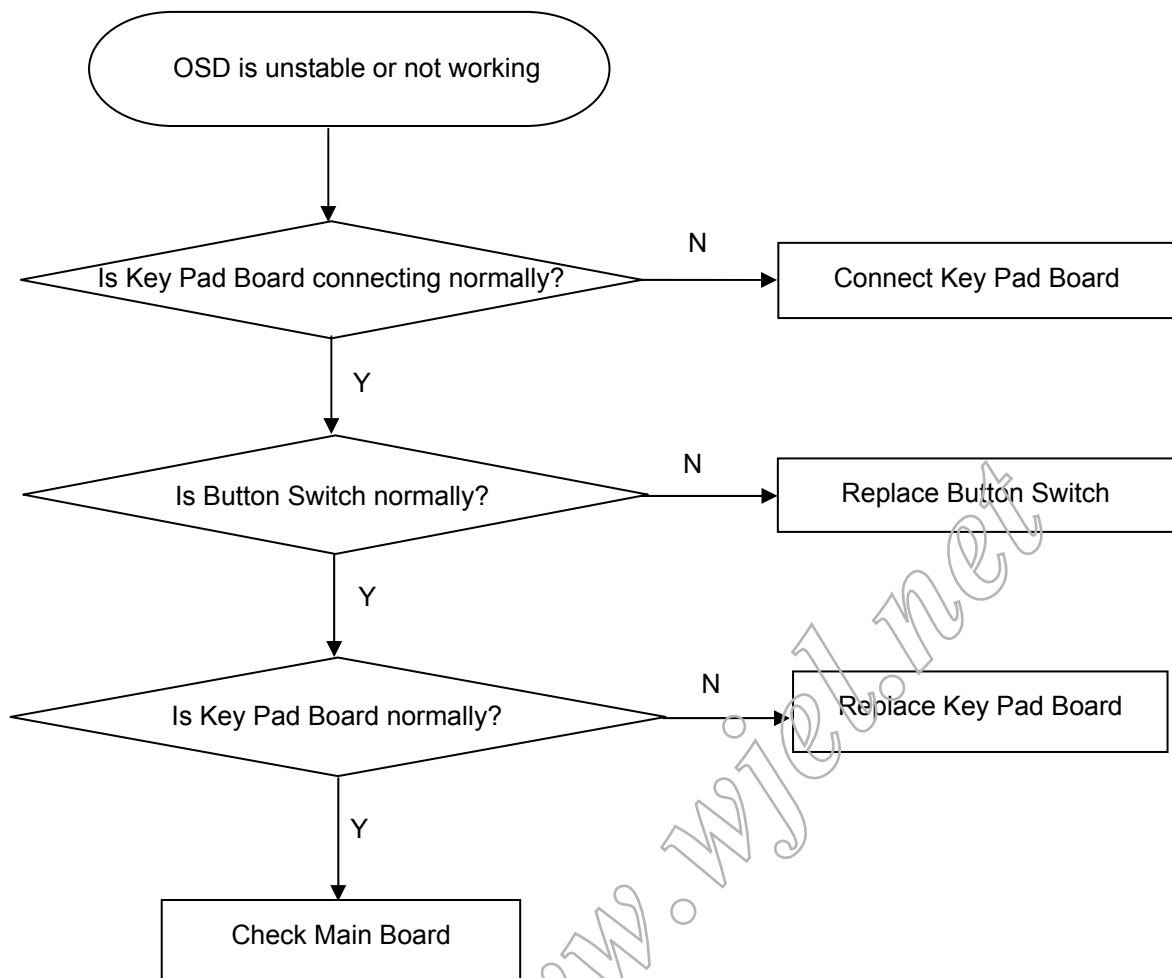
## 1.) No power



## 2.) W / LED, No Backlight



## 8.2.3 Keypad Board



## 9. White- Balance, Luminance Adjustment

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

Before started adjust white balance , please set the Chroma-7120 MEM Channel 3 to Warm (6500K) color, MEM Channel 4 to Normal (7500K) color, MEM Channel 5 to Cool (9300K) color , and MEM Channel 6 to sRGB color ( our Warm color parameter is  $x = 313 \pm 20$ ,  $y = 329 \pm 20$ ,  $Y > 160 \text{cd/m}^2$ ; Normal color parameter is  $x = 299 \pm 20$ ,  $y = 315 \pm 20$ ,  $Y > 160 \text{cd/m}^2$ ; Cool color parameter is  $x = 283 \pm 20$ ,  $y = 297 \pm 20$ ,  $Y > 160 \text{cd/m}^2$ ; sRGB color parameter is  $x = 313 \pm 20$ ,  $y = 329 \pm 20$ ,  $Y = 150 \pm 20 \text{cd/m}^2$ )

How to setting MEM channel you can reference to chroma 7120 user guide or simple use "SC" key and "NEXT" Key to modify xyY 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 (Warm color):

Warm color temp. parameter is  $x = 313 \pm 20$ ,  $y = 329 \pm 20$ ,  $Y > 160 \text{cd/m}^2$

#### B. MEM.CHANNEL 4 (Normal color):

Normal color temp. parameter is  $x = 299 \pm 20$ ,  $y = 315 \pm 20$ ,  $Y > 160 \text{cd/m}^2$

#### C. MEM.CHANNEL 5 (Cool color):

Cool color temp. parameter is  $x = 283 \pm 20$ ,  $y = 297 \pm 20$ ,  $Y > 160 \text{cd/m}^2$

#### D. MEM.CHANNEL 6 (sRGB color):

sRGB color temp. parameter is  $x = 313 \pm 20$ ,  $y = 329 \pm 20$ ,  $Y = 150 \pm 20 \text{cd/m}^2$

### 3. Into Factory mode of ASUS MW201U:

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 Warm (6500K) 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  $x = 313 \pm 20$ ,  $y = 329 \pm 20$ ,  $Y > 160 \text{cd/m}^2$
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  $= 100 \pm 2$

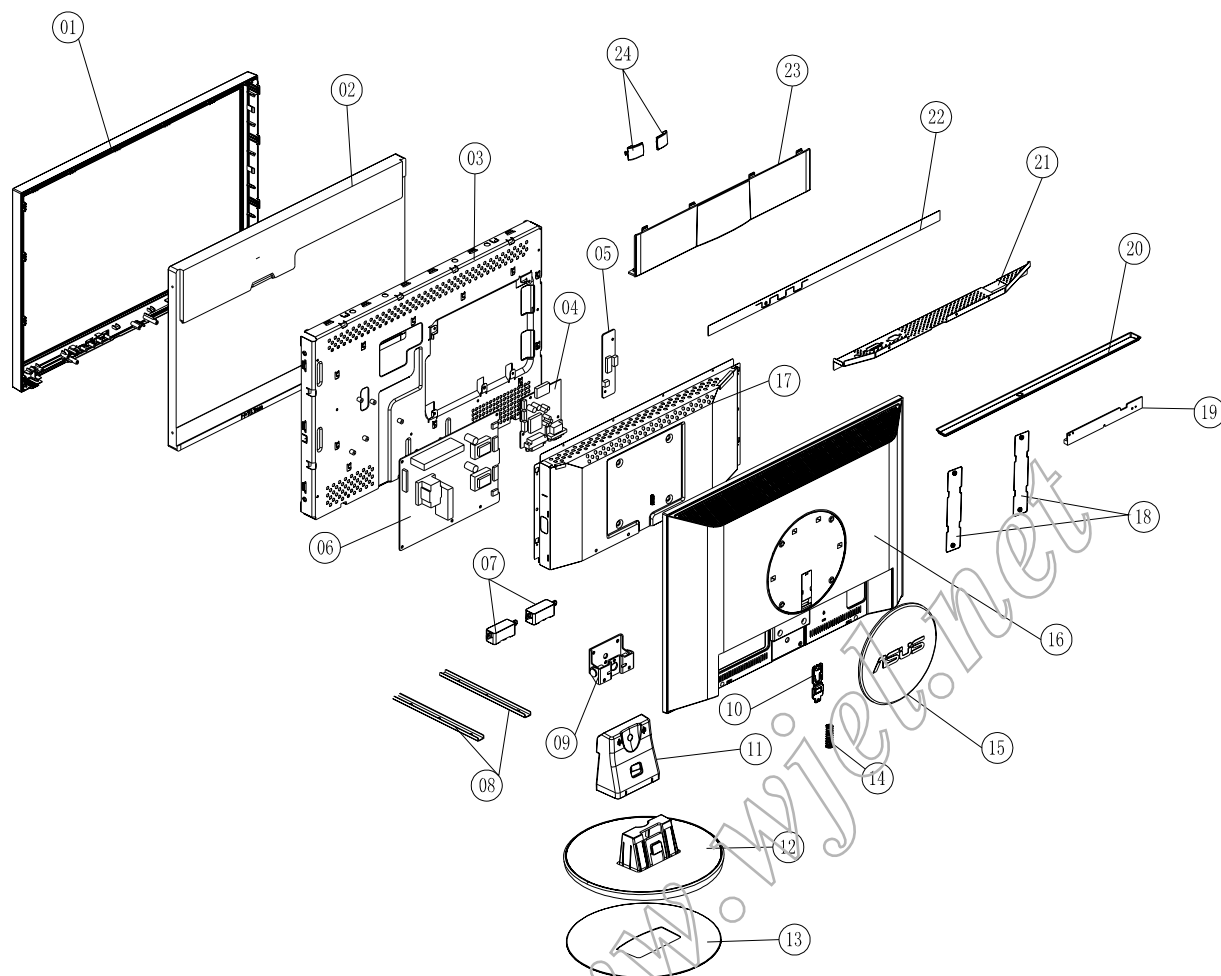
#### B. Adjust Normal (7500K) color-temperature

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  $x = 299 \pm 20$ ,  $y = 315 \pm 20$ ,  $Y > 160 \text{cd/m}^2$
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  $=100\pm2$
- C. Adjust Cool (9300K) color-temperature
1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
  2. Switch the MEM. Channel to Channel 5 (with up or down arrow on chroma 7120)
  3. The LCD-indicator on chroma 7120 will show  $x = 283 \pm 20$ ,  $y = 297 \pm 20$ ,  $Y > 160 \text{cd/m}^2$
  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  $=100\pm2$
- D. Adjust sRGB color-temperature
1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
  2. Switch the MEM.channel to Channel 6 (with up or down arrow on chroma 7120)
  3. The LCD-indicator on chroma 7120 will show  $x = 313 \pm 20$ ,  $y = 329 \pm 20$ ,  $Y = 150 \pm 20 \text{cd/m}^2$
  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  $=100\pm2$
- E. Turn the Power-button off to quit from factory mode.



## 10. Monitor Exploded View



Item	P/N	Description	Qt'y
01	A34G0098-1	BEZEL	1
02	CLAA201WA07	PANEL	1
03	A15G0075-1	MAIN FRAME	1
04	CBPC6CMUSQ	CONVERSION BOARD	1
05	ATPC6QW8	AUDIO BOARD	1
06	PWPCA62QU1P	POWER BOARD	1
07		SPEAKER	2
08	A15G0074-1	BASE BKT	2
09	A34G0015-1	HINGE	1
10	A33G0065-1	LOGO LOCKER	1
11	A34G0101-1	STAND	1
12	A34G0102-1	BASE	1
13	A27G0002-1	BASE COVER	1
14	Q19G0003-1	SPRING	1
15	A33G0064-1	LOGO COVER	1
16	A34G0099-1	REAR COVER	1
17	A85G0025-1	SHIELDING	1
18	A15G0028-1	VESA BKT	2
19	KEPC6QW8	KEY BOARD	1
20	A85G0024-1	SPEAKER NET	1
21	A15G0076-1	IO-BRACKET	1
22	A27G0001-1	KEY PLATE	1
23	A34G0100-1	REAR LOWER COVER	1
24	A33G0066-1	CLAMP	2

## 11. Spare Parts List

## TA6CMUMTW8USAP

Location	Part No. for TPV	Description
V000	012G 394 3	RUBBER FOOT
	040G 457834 4A GP	S/N LABEL FOR ID
	040G 581680 1A	WARRANTY LABEL
	040G 582680 1A	CARTON LABEL
	040G 582680 4A	CARTON LABEL
	044G3231 5	EVA WASHER
	045G 88606 S	PE BAG FOR BASE
	045G 88626 8	PE BAG FOR MOUITOR
	050G 600 2	HANDLE1
	050G 600 3	HANDLE2
	052G 1185 49	ASUS TAPE
	052G 1186	SMALL TAPE
	052G 1207 A	ALUMINIUM TAPE
	052G 1208 A	ALUMINIUM TAPE
	052G 1211 A	165MINIUM TAPE
	089G 173 56522	AUDIO CABLE
	089G 718HAA D2	SIGNAL CABLE
	089G1748HAA 11	SIGNAL CABLE DVI HONGLIN
	089G402A18N IS	POWER CORD
	095G8014 14 54	WIRE HARNESS
	095G8014 16 69	WIRE HARNESS
	095G8018 30128	LVDS CABLE
	095T 900600	HARNESS
	0M1G 130 6120	SCREW M3X6
	0M1G 130 6120	SCREW M3X6
	0M1G 330 6120	3MMX6 STEEL
	0M1G 330 6120	3MMX6 STEEL
	0M1G1730 6120	SCREW
	0M1G1730 6120	SCREW
	0M1G1730 6120	SCREW
	0M1G1740 8120	SCREW FOR STD/MF
	0Q1G 330 8 47	SCREW 3X8mm
	0Q1G 330 8 47	SCREW 3X8mm
	0Q1G1030 8120	SCREW
	705GAAK0F34004	20" LCD BEZEL-STAND-BASE ASS'Y
	750GLCA1WA711N	PANEL LCD 20.1" WA07 000 CPT

	750GLCA1WA721N	PANEL LCD 20.1" WA07 011 CPT
V000	A15G0028 1	VESA BKT
	A15G0075AS1 1	MAIN FRAME
	A15G0076 1 1	BKT CONNECTOR
	A33G0064 GM 1L	LOGO COVER
	A33G0065 GM 1L	LOGO LOCKER
	A34G0099 GM 1L 30	REAR COVER
	A34G0100 GM 1L	REAR LOWER COVER
	A85G0024 1	SPEAKER NET
	A85G0025 1	SHIELD
	AM1G1740 10 47	SCREW
	AUPC6QW8	AUDIO BOARD
	CBPC6CMUUSQ	CONVERSION BOARD
	KEPC6QW8	KEY BOARD
	PWPCA62QU1P	POWER BOARD
V000	Q19G0003 1	SPRING HOLDER
	Q40G 20N680 1A	Rating label
	Q40G0002680 1A	Splendid label for MW201
	Q40G0002680 2A	Try me label
	Q44GA023 1	EPS(L)
	Q44GA023 2	EPS(R)
	Q44GA023680 2A	Carton
	Q52G6025 13 63	MYLAR
	S78G3225L	SPEKEA ASS'Y
	S78G3225R	SPEKEA ASS'Y
	040G 58162435A	LABEL
	045G 76 28 RN	PE BAG FO MANUAL/BASE
	Q41G780068017A	warranty card-TW
	Q41G780068018A	QSG
	Q70G2002680 1A	CD MANUAL
	0Q1G 130 6120	SCREW (T3X6)
	0Q1G 340 10120	SCREW
	0Q1G1030 8120	SCREW
	A27G0001 1	KEY PLATE
	A27G0002 1	BASE PLATE
	A33G0063 1 1C	LENS
	A33G0066 GM 1L	CABLE CLAMP
	A34G0098 GM 1L	BEZEL
	A34G0101 GM 1L	STAND
	A34G0102 GM 1L 20	BASE

	A37G0015 1	HINGE
	Q15G0074 1	BASE BKT
CN202	033G8027 14	WAFER 14P 2.0MM DIP DUAL ROW
U201	056G 616 1	TDA7496
C209	067G 2151097NT	KMY50VB1M-TP5 5*11.5
C210	067G 2151097NT	KMY50VB1M-TP5 5*11.5
C201	067G215B471 3N GP	KY16VB470M-L 8*15MM
C202	067G215B471 3N GP	KY16VB470M-L 8*15MM
C207	067G215B471 3N GP	KY16VB470M-L 8*15MM
C208	067G215B471 3N GP	KY16VB470M-L 8*15MM
C205	067G215B471 3N GP	KY16VB470M-L 8*15MM
CN201	088G 30210K E	PHONE JACK 5PIN
	SMTAUPC6QW8	AUDIO BOARD FOR SMT
CN703	033G8027 14	WAFER 14P 2.0MM DIP DUAL ROW
CN101	033G8027 14	WAFER 14P 2.0MM DIP DUAL ROW
CN602	033G8027 16	WAFER 16PIN 2.0mm DIP
CN701	033G8027 30	WAFER 30P 2.0MM DIP DUAL ROW
C136	067G215V101 4N	KY25VB100M-CC3(6.3*11)
C104	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C108	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C110	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C112	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C131	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C133	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C102	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C101	067G215Y2207NV	KY50VB22M-CC3 5*11
C121	067G215Y2207NV	KY50VB22M-CC3 5*11
C301	067G215Y2207NV	KY50VB22M-CC3 5*11
C314	067G215Y2207NV	KY50VB22M-CC3 5*11
C402	067G215Y2207NV	KY50VB22M-CC3 5*11
C403	067G215Y2207NV	KY50VB22M-CC3 5*11
C406	067G215Y2207NV	KY50VB22M-CC3 5*11
C409	067G215Y2207NV	KY50VB22M-CC3 5*11
C410	067G215Y2207NV	KY50VB22M-CC3 5*11
C422	067G215Y2207NV	KY50VB22M-CC3 5*11
C426	067G215Y2207NV	KY50VB22M-CC3 5*11
C427	067G215Y2207NV	KY50VB22M-CC3 5*11
C443	067G215Y2207NV	KY50VB22M-CC3 5*11
C446	067G215Y2207NV	KY50VB22M-CC3 5*11
C449	067G215Y2207NV	KY50VB22M-CC3 5*11

C701	067G215Y2207NV	KY50VB22M-CC3 5*11
C704	067G215Y2207NV	KY50VB22M-CC3 5*11
C705	067G215Y2207NV	KY50VB22M-CC3 5*11
CN201	088G 35315F HJ	SOC SUBD H 15P F
CN202	088G 35424F H	DV1 CONNECTOR 24PIN
CN202	088G 35424F HL	DVI 24PIN FEMALE
X601	093G 22 45	CRYSTAL 24MHZ HC-49US
X401	093G 22 53	CRYSTAL 14.318MHzHC-49US
	SMTC6CMUUSQ	MAIN BOARD FOR SMT 20" LCD
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 1GCJ	TACT SWITCH TSPB-2 -NP
SW003	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW004	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW002	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW001	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
DP101	081G 12 2 GP	GP36032ME/50-ZO
CN002	088G 30211K	PHONE JACK 5PIN
	SMTKEPC6QW8	KEY BOARD FOR SMT
CN801	033G8020 5D U	CONNECTOR
CN803	033G8020 5D U	CONNECTOR
CN802	033G8021 2E U	WAFER
CN804	033G8021 2E U	WAFER
	040G 45762412B	CBPC LABEL
	051G 6 4503	RTV
IC903	056G 139 3A	PC123Y22FZOF
IC903	056G 139 3B	PC123 Y82FZ0F
VAR901	061G 46 16	TNR10V471K CHEMICON
C906	065G 1K152 1T	1.5NF/1KV Z5F+-10%
C808	065G 3J1506ET	15PF 5% CC45SL 3KV TDK
C835	065G 3J1506ET	15PF 5% CC45SL 3KV TDK
C802	065G 3J4706ET	47PF 5% 3KV TDK
C804	065G 3J4706ET	47PF 5% 3KV TDK
C830	065G 3J4706ET	47PF 5% 3KV TDK
C834	065G 3J4706ET	47PF 5% 3KV TDK
C836	065G 3J4706ET	47PF 5% 3KV TDK
C801	065G 3J4706ET	47PF 5% 3KV TDK
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C902	065G305M1022BP	Y2 1000PF M 250VAC Y5P

C923	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C921	065G306M4722BP	4700PF +-20% 400VAC
C930	067G215L102 3H	LOW E.S.R.E.C
C914	067G215L102 3H	LOW E.S.R.E.C
C914	067G215S102 3K	ED1000UF 16V
C930	067G215S102 3K	ED1000UF 16V
C915	067G215S4714KL	LOW ESR EC 470UF 25V BY 金山
C922	067G215S4714KL	LOW ESR EC 470UF 25V BY 金山
C917	067G215S6814KS	EC 105℃ 680UF M 25V ED 10*20MM
C918	067G215S6814KS	EC 105℃ 680UF M 25V ED 10*20MM
C919	067G215S6814KS	EC 105℃ 680UF M 25V ED 10*20MM
C803	067G215Y4713NV	KY16VB470M-CC3 8*15MM
C832	067G215Y4713NV	KY16VB470M-CC3 8*15MM
C917	067G215Y681 4H	680UF/25V 10*16 ZL
C918	067G215Y681 4H	680UF/25V 10*16 ZL
C919	067G215Y681 4H	680UF/25V 10*16 ZL
L801	073G 174 35YSA	FILTER
L802	073G 174 35YSA	FILTER
L803	073G 174 35YSA	FILTER
L804	073G 174 35YSA	FILTER
L903	073G 253 91 L	CHOKE BY LI TA
L904	073G 253 91 L	CHOKE BY LI TA
L903	073G 253 91 T	CHOKE
L904	073G 253 91 T	CHOKE
L904	073G 253 91 LS	CHOKE BY LI SHIN
L903	073G 253 91 LS	CHOKE BY LI SHIN
L902	073L 174 40 HG	GBQM4.778.391
L902	073L 174 40 TG	LINE FILTER
L901	073L 174 50 HH	LINE FITER
L901	073L 174 50 LR	CHOKE COIL
PT802	080GL20T 12 DN	X'FMR
PT801	080GL20T 12 DN	X'FMR
T901	080GL20T 18 T	XFMR FOR POWER TDK
CN901	087G 501 32 S	AC SOCKET
BD901	093G 50460 16	U4KB80R
CN903	095G8013 14 6	WIRE HARNESS
	705G 201 57 01	Q901 ASS'Y
	705G 201 61 01	NR901 ASS'Y
	705G 201 93 05	D905 ASS'Y
	705G 201 93 06	D906 D907 ASS'Y

	705G 201 95 01	J904 ASS'Y
	705GQAK0 61 01	R914 ASS'Y
R908	705GQAK0 61003	R908 ASS'Y
	PWA62QU1SMTP	POWER BOARD FOR SMT
	095F S14 S2WB7	WERE HARNESS
	095F S14 S2RB7	WERE HARNESS
R208	061L0603102	CHIPR 1K OHM +-5% 1/16W
R207	061L0603102	CHIPR 1K OHM +-5% 1/16W
R203	061L0603183	CHIP 18K OHM 1/10W
R201	061L0603183	CHIP 18K OHM 1/10W
R211	061L0603203	CHIPR 20K OHM+-5% 1/10W
R210	061L0603203	CHIPR 20K OHM+-5% 1/10W
R202	061L0603204	CHIPR 200KOHM +-5% 1/10W
R212	061L0603224	CHIP 220K OHM 1/10W
C211	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R
C212	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R
C203	065G0603104 32	CHIP 0.1UF 50V X7R
C213	065G0603104 32	CHIP 0.1UF 50V X7R
C204	065G0603474 27	CHIP 0.47UF 25V Y5V
C206	065G0603474 27	CHIP 0.47UF 25V Y5V
	AIAUPC6QW8	AUDIO BOARD
U105	056G 133 32 NS	LM3485 MSOP-8 NS
U401	056G 562147	IC MST9259BH-LF-205 LQFP-256
U101	056G 563 7	AIC1084-33PM
U102	056G 563 25	A1C1084-33PE
U302	056G 615 12 2	IC EM636165TS-5G 16M TSOPII-50 ETRON
U301	056G 615 12 2	IC EM636165TS-5G 16M TSOPII-50 ETRON
U601	056G 643 5B	*G690H293T73 SOT-23
U604	056G1125175	MTV416GMV
U201	056G1133 34	M24C02-WMN6TP
U202	056G1133 34	M24C02-WMN6TP
U602	056G1133 56	M24C16-WMN6TP
U603	056G1133 87	CAT24WC08W SOIC-8
Q101	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q102	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q206	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q701	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q401	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q201	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q107	057G 417 4	PMBS3904/PHILIPS-SMT(04)



Q106	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q104	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q601	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q602	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q202	057G 759 2	RK7002
Q203	057G 759 2	RK7002
Q204	057G 759 2	RK7002
Q205	057G 759 2	RK7002
Q103	057G 763 1	A03401 SOT23 BY AOS(A1)
Q108	057G 763 1	A03401 SOT23 BY AOS(A1)
Q110	057G 763 1	A03401 SOT23 BY AOS(A1)
Q105	057G 763 3	AO4411 SO-8
R407	061L0603000	RST SM 0603 JUMP MAX 0R0
R663	061L0603000	RST SM 0603 JUMP MAX 0R0
R646	061L0603000	RST SM 0603 JUMP MAX 0R0
R643	061L0603000	RST SM 0603 JUMP MAX 0R0
R641	061L0603000	RST SM 0603 JUMP MAX 0R0
R601	061L0603000	RST SM 0603 JUMP MAX 0R0
R255	061L0603000	RST SM 0603 JUMP MAX 0R0
R249	061L0603000	RST SM 0603 JUMP MAX 0R0
R247	061L0603000	RST SM 0603 JUMP MAX 0R0
R243	061L0603000	RST SM 0603 JUMP MAX 0R0
R214	061L0603000	RST SM 0603 JUMP MAX 0R0
R137	061L0603000	RST SM 0603 JUMP MAX 0R0
R136	061L0603000	RST SM 0603 JUMP MAX 0R0
R112	061L0603000	RST SM 0603 JUMP MAX 0R0
R106	061L0603000	RST SM 0603 JUMP MAX 0R0
R241	061L0603100	CHIP 10 OHM 1/10W
R240	061L0603100	CHIP 10 OHM 1/10W
R235	061L0603100	CHIP 10 OHM 1/10W
R234	061L0603100	CHIP 10 OHM 1/10W
R239	061L0603100	CHIP 10 OHM 1/10W
R237	061L0603100	CHIP 10 OHM 1/10W
R236	061L0603100	CHIP 10 OHM 1/10W
R238	061L0603100	CHIP 10 OHM 1/10W
R606	061L0603101	CHIPR 100 OHM +-5% 1/16W
R651	061L0603101	CHIPR 100 OHM +-5% 1/16W
R653	061L0603101	CHIPR 100 OHM +-5% 1/16W
R652	061L0603101	CHIPR 100 OHM +-5% 1/16W
R607	061L0603101	CHIPR 100 OHM +-5% 1/16W

R404	061L0603101	CHIPR 100 OHM +-5% 1/16W
R706	061L0603101	CHIPR 100 OHM +-5% 1/16W
R705	061L0603101	CHIPR 100 OHM +-5% 1/16W
R610	061L0603101	CHIPR 100 OHM +-5% 1/16W
R609	061L0603101	CHIPR 100 OHM +-5% 1/16W
R608	061L0603101	CHIPR 100 OHM +-5% 1/16W
R218	061L0603102	CHIPR 1K OHM +-5% 1/16W
R211	061L0603102	CHIPR 1K OHM +-5% 1/16W
R411	061L0603102	CHIPR 1K OHM +-5% 1/16W
R232	061L0603102	CHIPR 1K OHM +-5% 1/16W
R702	061L0603102	CHIPR 1K OHM +-5% 1/16W
R116	061L0603102	CHIPR 1K OHM +-5% 1/16W
R103	061L0603102	CHIPR 1K OHM +-5% 1/16W
R102	061L0603102	CHIPR 1K OHM +-5% 1/16W
R217	061L0603102	CHIPR 1K OHM +-5% 1/16W
R101	061L0603102	CHIPR 1K OHM +-5% 1/16W
R225	061L0603103	CHIPR 10K OHM +-5% 1/16W
R117	061L0603103	CHIPR 10K OHM +-5% 1/16W
R233	061L0603103	CHIPR 10K OHM +-5% 1/16W
R115	061L0603103	CHIPR 10K OHM +-5% 1/16W
R105	061L0603103	CHIPR 10K OHM +-5% 1/16W
R111	061L0603104	RST SM 0603 RC0603 100K
R130	061L0603153	CHIPR 15KOHM+-5% 1/10W
R410	061L0603181	CHIP 180 OHM 5% 1/10W
R128	061L0603220	CHIPR 22 OHM+-5% 1/16W
R308	061L0603220	CHIPR 22 OHM+-5% 1/16W
R310	061L0603220	CHIPR 22 OHM+-5% 1/16W
R303	061L0603220	CHIPR 22 OHM+-5% 1/16W
R304	061L0603220	CHIPR 22 OHM+-5% 1/16W
R306	061L0603220	CHIPR 22 OHM+-5% 1/16W
R305	061L0603220	CHIPR 22 OHM+-5% 1/16W
R307	061L0603220	CHIPR 22 OHM+-5% 1/16W
R309	061L0603220	CHIPR 22 OHM+-5% 1/16W
R621	061L0603221	CHIPR 220 OHM+-5% 1/16W
R623	061L0603221	CHIPR 220 OHM+-5% 1/16W
R622	061L0603221	CHIPR 220 OHM+-5% 1/16W
R624	061L0603221	CHIPR 220 OHM+-5% 1/16W
R620	061L0603221	CHIPR 220 OHM+-5% 1/16W
R212	061L0603221	CHIPR 220 OHM+-5% 1/16W
R258	061L0603221	CHIPR 220 OHM+-5% 1/16W

R215	061L0603222	CHIPR 2.2K OHM+-5% 1/16W
R216	061L0603222	CHIPR 2.2K OHM+-5% 1/16W
R219	061L0603222	CHIPR 2.2K OHM+-5% 1/16W
R222	061L0603222	CHIPR 2.2K OHM+-5% 1/16W
R131	061L0603316 2F	CHIP 31.6K OHM 1/10W 1%
R127	061L0603333	CHIP 33K OHM 1/16W
R405	061L0603391	CHIP 390 OHM 1/10W
R244	061L0603470	CHIPR 47 OHM +-5% 1/16W
R260	061L0603470	CHIPR 47 OHM +-5% 1/16W
R231	061L0603470	CHIPR 47 OHM +-5% 1/16W
R251	061L0603470	CHIPR 47 OHM +-5% 1/16W
R223	061L0603470	CHIPR 47 OHM +-5% 1/16W
R253	061L0603470	CHIPR 47 OHM +-5% 1/16W
R230	061L0603470	CHIPR 47 OHM +-5% 1/16W
R224	061L0603470	CHIPR 47 OHM +-5% 1/16W
R262	061L0603470	CHIPR 47 OHM +-5% 1/16W
R263	061L0603470	CHIPR 47 OHM +-5% 1/16W
R401	061L0603471	CHIPR 470 OHM+-5% 1/16W
R402	061L0603471	CHIPR 470 OHM+-5% 1/16W
R403	061L0603471	CHIPR 470 OHM+-5% 1/16W
R207	061L0603471	CHIPR 470 OHM+-5% 1/16W
R627	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R619	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R618	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R617	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R616	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R615	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R614	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R613	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R612	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R611	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R605	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R604	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R603	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R602	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R409	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R647	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R629	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R703	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R650	061L0603472	CHIPR 4.7K OHM +-5% 1/16

R649	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R645	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R644	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R642	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R640	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R639	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R638	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R637	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R636	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R634	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R633	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R632	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R631	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R630	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R628	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R104	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R109	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R118	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R226	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R227	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R228	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R242	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R248	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R302	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R301	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R261	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R259	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R257	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R256	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R250	061L0603472	CHIPR 4.7K OHM +-5% 1/16
R107	061L0603473	RST SM 0603 RC0603 47K P
R108	061L0603473	RST SM 0603 RC0603 47K P
R119	061L0603473	RST SM 0603 RC0603 47K P
R704	061L0603473	RST SM 0603 RC0603 47K P
R205	061L0603510	CHIP 51 OHM 5% 1/10W
R203	061L0603510	CHIP 51 OHM 5% 1/10W
R201	061L0603510	CHIP 51 OHM 5% 1/10W
R206	061L0603680	RST SM 0603 RC0603 68R PM5 R
R204	061L0603680	RST SM 0603 RC0603 68R PM5 R
R202	061L0603680	RST SM 0603 RC0603 68R PM5 R

R208	061L0603750 9F	75OHM 1% 1/10W
R209	061L0603750 9F	75OHM 1% 1/10W
R210	061L0603750 9F	75OHM 1% 1/10W
R701	061L0805222	CHIP 2.2KOHM 5% 0805 1/8W
R129	061L1206000	CHIPR 0 OHM +-5% 1/8W
R133	061L1206000	CHIPR 0 OHM +-5% 1/8W
C126	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
C610	065G0603102 32	1000PF +-10% 50V X7R
C609	065G0603102 32	1000PF +-10% 50V X7R
C608	065G0603102 32	1000PF +-10% 50V X7R
C607	065G0603102 32	1000PF +-10% 50V X7R
C139	065G0603102 32	1000PF +-10% 50V X7R
C137	065G0603102 32	1000PF +-10% 50V X7R
C433	065G0603104 32	CHIP 0.1UF 50V X7R
C432	065G0603104 32	CHIP 0.1UF 50V X7R
C431	065G0603104 32	CHIP 0.1UF 50V X7R
C429	065G0603104 32	CHIP 0.1UF 50V X7R
C428	065G0603104 32	CHIP 0.1UF 50V X7R
C425	065G0603104 32	CHIP 0.1UF 50V X7R
C424	065G0603104 32	CHIP 0.1UF 50V X7R
C423	065G0603104 32	CHIP 0.1UF 50V X7R
C421	065G0603104 32	CHIP 0.1UF 50V X7R
C420	065G0603104 32	CHIP 0.1UF 50V X7R
C419	065G0603104 32	CHIP 0.1UF 50V X7R
C417	065G0603104 32	CHIP 0.1UF 50V X7R
C411	065G0603104 32	CHIP 0.1UF 50V X7R
C408	065G0603104 32	CHIP 0.1UF 50V X7R
C407	065G0603104 32	CHIP 0.1UF 50V X7R
C405	065G0603104 32	CHIP 0.1UF 50V X7R
C404	065G0603104 32	CHIP 0.1UF 50V X7R
C401	065G0603104 32	CHIP 0.1UF 50V X7R
C355	065G0603104 32	CHIP 0.1UF 50V X7R
C330	065G0603104 32	CHIP 0.1UF 50V X7R
C434	065G0603104 32	CHIP 0.1UF 50V X7R
C601	065G0603104 32	CHIP 0.1UF 50V X7R
C456	065G0603104 32	CHIP 0.1UF 50V X7R
C455	065G0603104 32	CHIP 0.1UF 50V X7R

C454	065G0603104 32	CHIP 0.1UF 50V X7R
C453	065G0603104 32	CHIP 0.1UF 50V X7R
C452	065G0603104 32	CHIP 0.1UF 50V X7R
C451	065G0603104 32	CHIP 0.1UF 50V X7R
C450	065G0603104 32	CHIP 0.1UF 50V X7R
C448	065G0603104 32	CHIP 0.1UF 50V X7R
C447	065G0603104 32	CHIP 0.1UF 50V X7R
C445	065G0603104 32	CHIP 0.1UF 50V X7R
C444	065G0603104 32	CHIP 0.1UF 50V X7R
C442	065G0603104 32	CHIP 0.1UF 50V X7R
C441	065G0603104 32	CHIP 0.1UF 50V X7R
C440	065G0603104 32	CHIP 0.1UF 50V X7R
C439	065G0603104 32	CHIP 0.1UF 50V X7R
C438	065G0603104 32	CHIP 0.1UF 50V X7R
C437	065G0603104 32	CHIP 0.1UF 50V X7R
C436	065G0603104 32	CHIP 0.1UF 50V X7R
C435	065G0603104 32	CHIP 0.1UF 50V X7R
C313	065G0603104 32	CHIP 0.1UF 50V X7R
C129	065G0603104 32	CHIP 0.1UF 50V X7R
C128	065G0603104 32	CHIP 0.1UF 50V X7R
C120	065G0603104 32	CHIP 0.1UF 50V X7R
C113	065G0603104 32	CHIP 0.1UF 50V X7R
C111	065G0603104 32	CHIP 0.1UF 50V X7R
C109	065G0603104 32	CHIP 0.1UF 50V X7R
C107	065G0603104 32	CHIP 0.1UF 50V X7R
C106	065G0603104 32	CHIP 0.1UF 50V X7R
C105	065G0603104 32	CHIP 0.1UF 50V X7R
C702	065G0603104 32	CHIP 0.1UF 50V X7R
C614	065G0603104 32	CHIP 0.1UF 50V X7R
C605	065G0603104 32	CHIP 0.1UF 50V X7R
C132	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
C309	065G0603104 32	CHIP 0.1UF 50V X7R
C308	065G0603104 32	CHIP 0.1UF 50V X7R
C307	065G0603104 32	CHIP 0.1UF 50V X7R
C211	065G0603104 32	CHIP 0.1UF 50V X7R
C302	065G0603104 32	CHIP 0.1UF 50V X7R
C303	065G0603104 32	CHIP 0.1UF 50V X7R

C304	065G0603104 32	CHIP 0.1UF 50V X7R
C305	065G0603104 32	CHIP 0.1UF 50V X7R
C306	065G0603104 32	CHIP 0.1UF 50V X7R
C118	065G0603105 12	CHIP 1UF 16VX7R 0603
C122	065G0603105 12	CHIP 1UF 16VX7R 0603
C208	065G0603105 12	CHIP 1UF 16VX7R 0603
C209	065G0603105 12	CHIP 1UF 16VX7R 0603
C210	065G0603105 12	CHIP 1UF 16VX7R 0603
C215	065G0603105 12	CHIP 1UF 16VX7R 0603
C216	065G0603105 12	CHIP 1UF 16VX7R 0603
C217	065G0603105 12	CHIP 1UF 16VX7R 0603
C218	065G0603105 12	CHIP 1UF 16VX7R 0603
C219	065G0603105 12	CHIP 1UF 16VX7R 0603
C220	065G0603105 12	CHIP 1UF 16VX7R 0603
C221	065G0603105 12	CHIP 1UF 16VX7R 0603
C222	065G0603105 12	CHIP 1UF 16VX7R 0603
C223	065G0603105 12	CHIP 1UF 16VX7R 0603
C706	065G0603105 12	CHIP 1UF 16VX7R 0603
C707	065G0603105 12	CHIP 1UF 16VX7R 0603
C224	065G0603220 31	CER1 0603 NP0 50V 22P PM
C225	065G0603220 31	CER1 0603 NP0 50V 22P PM
C602	065G0603220 31	CER1 0603 NP0 50V 22P PM
C604	065G0603220 31	CER1 0603 NP0 50V 22P PM
C412	065G0603220 32	CHIP 22PF 50V X7R
C413	065G0603220 32	CHIP 22PF 50V X7R
C119	065G0603223 32	CHIP 0.022UF 50V X7R 0603
C214	065G0603224 17	CAP:CER 0.22UF-20%-80% 1
C226	065G0603224 17	CAP:CER 0.22UF-20%-80% 1
C606	065G0603224 17	CAP:CER 0.22UF-20%-80% 1
C201	065G0603473 32	CHIP 0.047UF 50V X7R
C202	065G0603473 32	CHIP 0.047UF 50V X7R
C203	065G0603473 32	CHIP 0.047UF 50V X7R
C204	065G0603473 32	CHIP 0.047UF 50V X7R
C205	065G0603473 32	CHIP 0.047UF 50V X7R
C206	065G0603473 32	CHIP 0.047UF 50V X7R
C207	065G0603473 32	CHIP 0.047UF 50V X7R
L302	071G 56K121 M	CHIP BEAD
L301	071G 56K121 M	CHIP BEAD
L702	071G 56K121 M	CHIP BEAD
L701	071G 56K121 M	CHIP BEAD



L604	071G 56K121 M	CHIP BEAD
L603	071G 56K121 M	CHIP BEAD
L602	071G 56K121 M	CHIP BEAD
L601	071G 56K121 M	CHIP BEAD
L413	071G 56K121 M	CHIP BEAD
L412	071G 56K121 M	CHIP BEAD
L411	071G 56K121 M	CHIP BEAD
L410	071G 56K121 M	CHIP BEAD
L409	071G 56K121 M	CHIP BEAD
L408	071G 56K121 M	CHIP BEAD
L407	071G 56K121 M	CHIP BEAD
L406	071G 56K121 M	CHIP BEAD
L405	071G 56K121 M	CHIP BEAD
L404	071G 56K121 M	CHIP BEAD
L403	071G 56K121 M	CHIP BEAD
L402	071G 56K121 M	CHIP BEAD
L401	071G 56K121 M	CHIP BEAD
L101	071G 56K121 M	CHIP BEAD
FB204	071G 56K121 M	CHIP BEAD
FB201	071G 59B600 J	CHIP BEAD 0603 60OHM JKMT
FB202	071G 59B600 J	CHIP BEAD 0603 60OHM JKMT
FB203	071G 59B600 J	CHIP BEAD 0603 60OHM JKMT
L103	073G M5822020T	22UH +-20%
D204	093G 64 42 P	BAV70 SOT-23
D205	093G 64 42 P	BAV70 SOT-23
ZD601	093G 64 49 SU	EGA10603 V05
ZD602	093G 64 49 SU	EGA10603 V05
ZD603	093G 64 49 SU	EGA10603 V05
ZD604	093G 64 49 SU	EGA10603 V05
ZD605	093G 64 49 SU	EGA10603 V05
ZD606	093G 64 49 SU	EGA10603 V05
ZD607	093G 64 49 SU	EGA10603 V05
ZD608	093G 64 49 SU	EGA10603 V05
D213	093G 6433P	BAV99
D212	093G 6433P	BAV99
D211	093G 6433P	BAV99
D210	093G 6433P	BAV99
D209	093G 6433P	BAV99
D208	093G 6433P	BAV99
D207	093G 6433P	BAV99

D206	093G 6433P	BAV99
D203	093G 6433P	BAV99
D202	093G 6433P	BAV99
D201	093G 6433P	BAV99
ZD217	093G 39S 34 T	UDZS5.6B
ZD216	093G 39S 34 T	UDZS5.6B
ZD201	093G 39S 34 T	UDZS5.6B
ZD202	093G 39S 34 T	UDZS5.6B
ZD203	093G 39S 34 T	UDZS5.6B
ZD205	093G 39S 34 T	UDZS5.6B
ZD206	093G 39S 34 T	UDZS5.6B
ZD207	093G 39S 34 T	UDZS5.6B
ZD208	093G 39S 34 T	UDZS5.6B
ZD209	093G 39S 34 T	UDZS5.6B
ZD210	093G 39S 34 T	UDZS5.6B
ZD211	093G 39S 34 T	UDZS5.6B
ZD212	093G 39S 34 T	UDZS5.6B
ZD213	093G 39S 34 T	UDZS5.6B
ZD214	093G 39S 34 T	UDZS5.6B
ZD215	093G 39S 34 T	UDZS5.6B
ZD218	093G 39S 34 T	UDZS5.6B
D101	093G5004 1	SR54 T0-214AA
	715G2116 1	MAIN BOARD PCB
C101	065G0603103 32	0.01UF +-10% 50V X7R
C102	065G0603103 32	0.01UF +-10% 50V X7R
	AIKEPC6QW8	KEY BOARD FOR AI
Q901	057G 667 21	STP10NK70ZFP
	090G6241 1 GP	HEAT SINK
	0M1G1730 8128	SCREW M3x8
NR901	061G 5810T	8 OHM 4A NTCR BY THINKING
	096G 29 10	H.S. TUBE
D905	093G 60247	FME-220A
D905	093G 60248	SP20100
	0M1G1730 8128	SCREW M3x8
	Q90G0012 2	HEAT SINK
	090G6257 1	HEAT SINK
D906	093G 60252	SP20150
D906	093G 60256	DIODE
	0M1G1730 8128	SCREW M3x8
	096G 29 1	SHRINK TUBE UL/CSA

R914	061G152M22858F	RST MOFR 0.22OHM +-5% 2WS
	096G 29 6	H.S. TUBE
R908	061G152M10458G	100K OHM 5% 2W
	096G 29 6	H.S. TUBE
IC901	056G 379 71	IC TEA1530AT SO-8 PHILIPS
IC801	056G 608 7	OZT1060GN SOIC-20
Q803	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q903	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q810	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q801	057G 600 61	AM4502C-TI-PF S0-8
Q805	057G 600 61	AM4502C-TI-PF S0-8
Q811	057G 600 61	AM4502C-TI-PF S0-8
Q812	057G 600 61	AM4502C-TI-PF S0-8
Q808	057G 759 2	RK7002
Q813	057G 759 2	RK7002
Q809	057G 759 2	RK7002
Q802	057G 760 4	DTA144WKA BY ROHM SMT
Q804	057G 760 5	DTC144WKA BY ROHM SMT
R818	061G0603124	RST CHIPR 120 KOHM +-5% 1/10W
R873	061G0603174 3F	RST CHIPR 174KOHM +-1% 1/10W
R839	061G0603475 3F	RST CHIPR 475KOHM +-1% 1/10W
R911	061G0805100 1F	RST CHIPR 1KOHM +-1% 1/8W
R852	061G0805487 0F	RST CHIPR 487 OHM +-1% 1/8W
R830	061G0805487 0F	RST CHIPR 487 OHM +-1% 1/8W
R931	061G0805820 1F	RST CHIPR 8.2KOHM +-1% 1/8W
R926	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R937	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R929	061G1206360 2F	RST CHIPR 36 KOHM +-1% 1/4W
JP801	061L0603000	RST SM 0603 JUMP MAX 0R0
R803	061L0603103	CHIPR 10K OHM +-5% 1/16W
R804	061L0603103	CHIPR 10K OHM +-5% 1/16W
R835	061L0603105	RST SM 0603 RC0603 1M PM
R813	061L0603220	CHIPR 22 OHM+-5% 1/16W
R827	061L0603220	CHIPR 22 OHM+-5% 1/16W
R833	061L0603220 3F	RST CHIPR 220KOHM +-1% 1/10W
R801	061L0603242	CHIP 2.4K OHM +-5% 1/10W
R832	061L0603330 2F	33K OHM 1% 1/10W
R834	061L0603510 2F	51K 1%
R822	061L0603912	CHIPR 9.1KOHM +-5% 1/10W
R805	061L0805000	CHIPR 0OHM +-5% 1/10W

R810	061L0805000	CHIPR 0OHM +-5% 1/10W
R838	061L0805000	CHIPR 0OHM +-5% 1/10W
R845	061L0805000	CHIPR 0OHM +-5% 1/10W
R876	061L0805000	CHIPR 0OHM +-5% 1/10W
R934	061L0805000	CHIPR 0OHM +-5% 1/10W
R806	061L0805100 2F	CHIP 10K OHM 1/8W 1%
R917	061L0805102	CHIPR 1K OHM +-5% 1/10W
R938	061L0805103	CHIPR 10K OHM +-5% 1/10W
R823	061L0805184	180K OHM 1/8W
R850	061L0805184	180K OHM 1/8W
R837	061L0805200 3F	200K OHM 1%
R812	061L0805204	200K OHM 1/8W
R846	061L0805204	200K OHM 1/8W
R814	061L0805205	CHIP 2M OHM 5% 1/8W
R915	061L0805220 3F	RST CHIPR 220KOHM +-1% 1/8W
R912	061L0805223	CHIP 22KOHM 1/8W
R824	061L0805360 2F	RST CHIPR 36KOHM +-1% 1/8W
R826	061L0805390 2F	CHIP 39K OHM 1/10W 1%
R916	061L0805472	CHIPR 4.7K OHM +-5% 1/10W
R851	061L0805472	CHIPR 4.7K OHM +-5% 1/10W
R829	061L0805472	CHIPR 4.7K OHM +-5% 1/10W
R848	061L0805754	CHIPR 750K OHM +-5% 1/8W
R853	061L0805754	CHIPR 750K OHM +-5% 1/8W
R856	061L0805754	CHIPR 750K OHM +-5% 1/8W
R816	061L0805754	CHIPR 750K OHM +-5% 1/8W
R928	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ806	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ804	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ803	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ802	061L1206000	CHIPR 0 OHM +-5% 1/8W
F902	061L1206000	CHIPR 0 OHM +-5% 1/8W
R811	061L1206000	CHIPR 0 OHM +-5% 1/8W
R815	061L1206000	CHIPR 0 OHM +-5% 1/8W
R844	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ801	061L1206000	CHIPR 0 OHM +-5% 1/8W
R910	061L1206100	CHIPR 10 OHM+-5% 1/8W
R918	061L1206101	CHIP 100 OHM 5% 1/8W
R919	061L1206101	CHIP 100 OHM 5% 1/8W
R920	061L1206101	CHIP 100 OHM 5% 1/8W
R935	061L1206101	CHIP 100 OHM 5% 1/8W

R935A	061L1206101	CHIP 100 OHM 5% 1/8W
R935B	061L1206101	CHIP 100 OHM 5% 1/8W
R939	061L1206102	CHIP 1K OHM 5% 1/8W
R940	061L1206102	CHIP 1K OHM 5% 1/8W
R941	061L1206102	CHIP 1K OHM 5% 1/8W
R942	061L1206102	CHIP 1K OHM 5% 1/8W
R943	061L1206102	CHIP 1K OHM 5% 1/8W
R924	061L1206152	CHIPR 1.5K OHM+-5%1/4W
R854	061L1206155	1.5M/0805
R855	061L1206155	1.5M/0805
R849	061L1206204	CHIP 200KOHM 1/4W
R843	061L1206204	CHIP 200KOHM 1/4W
R817	061L1206204	CHIP 200KOHM 1/4W
R809	061L1206204	CHIP 200KOHM 1/4W
R847	061L1206205	CHIP 2M OHM 5% 1/4W
R861	061L1206241	CHIP 240 OHM 5% 1/4W
R862	061L1206241	CHIP 240 OHM 5% 1/4W
R863	061L1206241	CHIP 240 OHM 5% 1/4W
R864	061L1206241	CHIP 240 OHM 5% 1/4W
R865	061L1206241	CHIP 240 OHM 5% 1/4W
R866	061L1206241	CHIP 240 OHM 5% 1/4W
R930	061L1206243 1F	RST CHIPR 2.43KOHM +-1% 1/4W
R909	061L1206339	CHIP 3.3OHM 1/4W
R927	061L1206360 1F	3.6K OHM 1% 1/4W
R802	061L1206471	CHIPR 470 OHM+-5% 1/8W
R904	061L1206472	CHIP 4.7KOHM 5% 1/4W
R932	061L1206472	CHIP 4.7KOHM 5% 1/4W
R933	061L1206472	CHIP 4.7KOHM 5% 1/4W
R903	061L1206684	CHIPR 680K OHM+-5% 1/8W
R902	061L1206684	CHIPR 680K OHM+-5% 1/8W
R901	061L1206684	CHIPR 680K OHM+-5% 1/8W
R807	061L1206754	CHIP 750KOHM 5% 1/4W
R808	061L1206754	CHIP 750KOHM 5% 1/4W
R841	061L1206754	CHIP 750KOHM 5% 1/4W
R842	061L1206754	CHIP 750KOHM 5% 1/4W
R857	061L1206754	CHIP 750KOHM 5% 1/4W
R858	061L1206754	CHIP 750KOHM 5% 1/4W
R859	061L1206754	CHIP 750KOHM 5% 1/4W
R860	061L1206754	CHIP 750KOHM 5% 1/4W
C839	065G0603103 12	chip 0.01uf 16v x7r

C860	065G0603103 12	chip 0.01uf 16v x7r
C814	065G0603104 32	CHIP 0.1UF 50V X7R
C826	065G0603104 32	CHIP 0.1UF 50V X7R
C825	065G0603105 12	CHIP 1UF 16VX7R 0603
C813	065G0603105 12	CHIP 1UF 16VX7R 0603
C815	065G0603105 12	CHIP 1UF 16VX7R 0603
C818	065G0603105 12	CHIP 1UF 16VX7R 0603
C810	065G0603223 32	CHIP 0.022UF 50V X7R 0603
C840	065G0603223 32	CHIP 0.022UF 50V X7R 0603
C816	065G0603224 32	CHIP 0.22UF 50V X7R
C817	065G0603473 32	CHIP 0.047UF 50V X7R
C828	065G0603473 32	CHIP 0.047UF 50V X7R
C819	065G0603474 17	CHIP CAP.CER 0.47UF -20% -80%
C811	065G0603562 32	CHIP 5.6NF 50V X7R
C824	065G0603562 32	CHIP 5.6NF 50V X7R
C841	065G0603562 32	CHIP 5.6NF 50V X7R
C829	065G0603682 32	CHIP 0.0068UF 50V X7R 0603
C823	065G0805101 32	100PF +-10% 50V X7R
C844	065G0805101 32	100PF +-10% 50V X7R
C928	065G0805102 31	1000PF 50V NPO
C932	065G0805102 32	CHIP 1000P 50VX7R 0805
C805	065G0805104 32	CHIP 0.1U 50V X7R
C812	065G0805104 32	CHIP 0.1U 50V X7R
C837	065G0805104 32	CHIP 0.1U 50V X7R
C843	065G0805104 32	CHIP 0.1U 50V X7R
C907	065G0805104 32	CHIP 0.1U 50V X7R
C916	065G0805104 32	CHIP 0.1U 50V X7R
C920	065G0805104 32	CHIP 0.1U 50V X7R
C927	065G0805104 32	CHIP 0.1U 50V X7R
C924	065G0805104 32	CHIP 0.1U 50V X7R
C911	065G0805105 27	CHIP 1UF Y5V 0805
C821	065G0805221 31	220PF 50V NPO
C909	065G0805224 32	0.22UF,K,50V,X7R
C822	065G0805225 17	CHIP 2.2UF 16V Y5V
C827	065G0805471 32	470PF/50V/0805/X7R
C845	065G0805471 32	470PF/50V/0805/X7R
C929	065G1206102 72	CHIP 1000PF 500V X7R
C912	065G1206102 72	CHIP 1000PF 500V X7R
C833	065G1206475 22	4.7U/25V X7R
C831	065G1206475 22	4.7U/25V X7R

C809	065G1206475 22	4.7U/25V X7R
C807	065G1206475 22	4.7U/25V X7R
C806	065G1206475 22	4.7U/25V X7R
C838	065G1206475 22	4.7U/25V X7R
D909	093G 64 44 S	LL4148WP
D908	093G 64 44 S	LL4148WP
D903	093G 64 44 S	LL4148WP
D818	093G 64 44 S	LL4148WP
D815	093G 64 44 S	LL4148WP
D808	093G 64 44 S	LL4148WP
D805	093G 64 44 S	LL4148WP
D803	093G 6433P	BAV99
D810	093G 6433P	BAV99
D812	093G 6433P	BAV99
D820	093G 6433P	BAV99
ZD801	093G 39S 24 T	RLZ 5.6B LLDS
ZD802	093G 39S 24 T	RLZ 5.6B LLDS
ZD803	093G 39S 24 T	RLZ 5.6B LLDS
ZD904	093G 39S 25 T	RLZ5.1B LLDS
ZD903	093G 39S 40 T	RLZ 13B LLDS
ZD902	093G 39S 40 T	RLZ 13B LLDS
	PWA62QU1AIP	POWER BOARD FOR AI
	715G2098 1	AUDIO BOARD PCB
R101	061G 60275052T	75OHM 5% 1/6W
R102	061G 60275052T	75OHM 5% 1/6W
	715G2099 1	KEY BOARD PCB
CN901	006G 31500	EYELET
FB901	006G 31502	1.5MM RIVET
T901	006G 31502	1.5MM RIVET
L902	006G 31502	1.5MM RIVET
L901	006G 31502	1.5MM RIVET
Q901	006G 31502	1.5MM RIVET
PT802	006G 31502	1.5MM RIVET
PT801	006G 31502	1.5MM RIVET
NR901	006G 31502	1.5MM RIVET
C905	006G 31502	1.5MM RIVET
IC904	056G 158 7	AP431V TO-92BY ATC
IC904	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
C908	067G215Y2207KT	ED 105℃ 22UF M 50V KINGNICH
F901	084G 55 1	FUSE 4A 250V CONQUER



F903	084G 56 4W	FUSE 4.0A 250V
F905	084G 56 4W	FUSE 4.0A 250V
D816	093G 521ZJ26T	SB240
D814	093G 521ZJ26T	SB240
D813	093G 521ZJ26T	SB240
D811	093G 521ZJ26T	SB240
D806	093G 521ZJ26T	SB240
D804	093G 521ZJ26T	SB240
D802	093G 521ZJ26T	SB240
D801	093G 521ZJ26T	SB240
D901	093G 6026T52T	RECTIFIER DIODE FR107
D902	093G 6038P52T	PS102R
	715G1847 1	POWER BOARD PCB

## 12. Different Parts List

Diversity of TA6CMUMBW8U1AP compared with TA6CMUMTW8USAP		
Location	Part No. for TPV	Description
	Q41G780068016A	warranty card-TW
	045G 76 28V13	PE BAG FOR MANUAL
	Q41G780068019A	QSG
	089G410A18N IS	POWER CORD WALL-OUT FOR UK
	089G404A18N IS	POWER CORD

Diversity of TA6CMUMBW8USAP compared with TA6CMUMTW8USAP		
Location	Part No. for TPV	Description
	Q41G780068016A	warranty card-TW
	Q41G780068019A	QSG
	089G404A18N IS	POWER CORD

Diversity of TA6CMUMCW8USAP compared with TA6CMUMTW8USAP		
Location	Part No. for TPV	Description
	089G404A18N IS	POWER CORD
	089G410A18N IS	POWER CORD WALL-OUT FOR UK
	089G416A18N IS	POWER CORD

Diversity of TA6CMUMDW8USAP compared with TA6CMUMTW8USAP		
Location	Part No. for TPV	Description
	Q41G780068014A	WARRANTY COSTDOWN FOR CHINA
	Q44GA023680 1A	Carton
	Q45G 88618 67	PE BAG FOR CARTON
	089G414A18N IS	POWER CORD

Diversity of TA6CMUMKW8USAP compared with TA6CMUMTW8USAP		
Location	Part No. for TPV	Description
	Q41G780068019A	QSG
	Q41G780068020A	warranty card-TW

Diversity of TA6CMUMBW8U1AP compared with TA6CMUMTW8USAP		
Location	Part No. for TPV	Description
	078G 322 5 KL	SPK 8OHM 1.5W 43×18×18.5mm 35mm KUAIDA
	078G 322 5 KR	SPK 8OHM 1.5W 43×18×18.5mm 135mm KUAI
	089G404A18N IS	POWER CORD
	089G410A18N IS	POWER CORD WALL-OUT FOR UK
	Q41G780068025A	eu warranty card non zbd
	Q41G780068022B	west qsg

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