

SERVICE MANUAL

19" LCD MONITOR

LM929



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Revision List

Version	Date	Revision History	TPV Model Name
A00	Feb-15-06	Initial Release	T980KAQDBCAOW

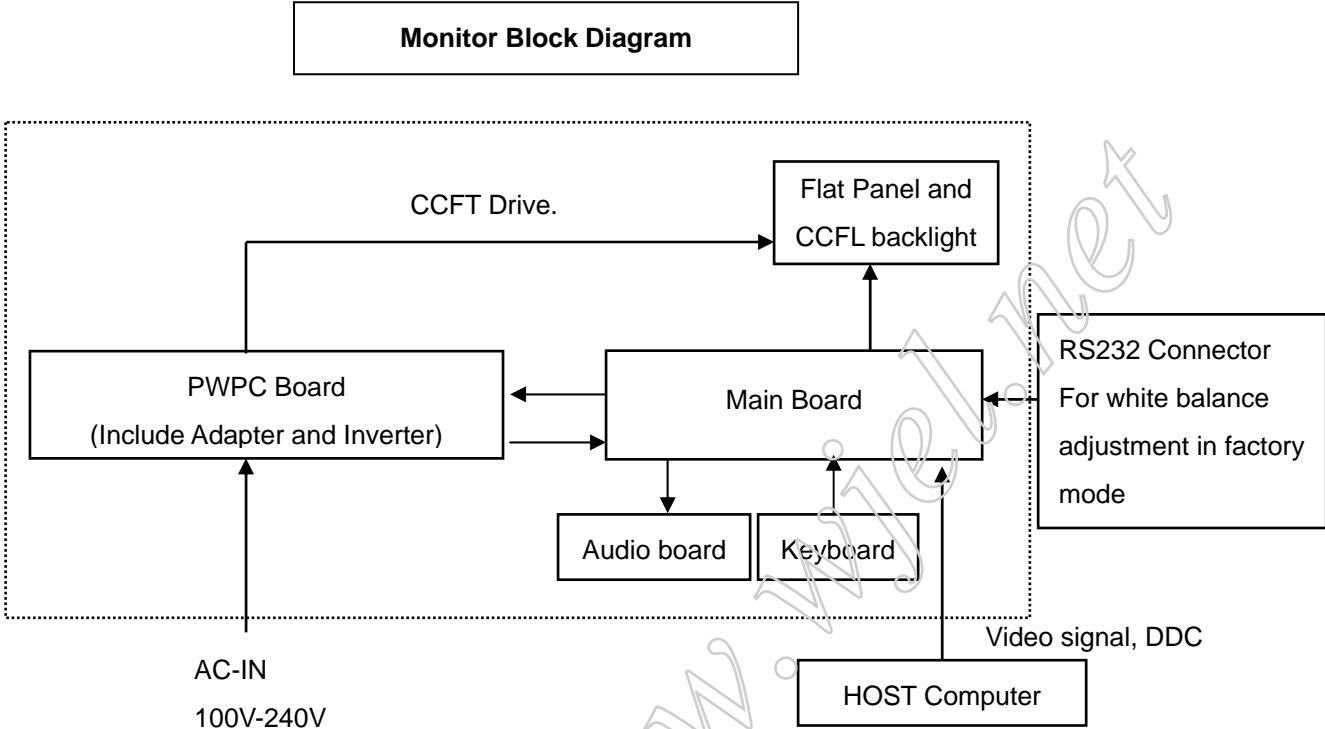
1. Monitor Specifications

Items	Description	
LCD Panel	Driving system	TFT Color LCD
	Type	M190EN02
	Size	48.0cm(19.0")
	Pixel pitch	0.294mm (H) x 0.294mm (V)
	Viewable angle	170(H) 170(V)
	Response time	25 ms
Input	Sync. Type	H/V TTL
	Input Signal	15Pin Analog
		24Pin Digital
	H-Frequency	30kHz – 83kHz
V-Frequency	50-75Hz	
Power Consumption	ON Mode	55W
	OFF Mode	3W
Display Color	16.7M colors (RGB 8-bits data).	
Contrast Ratio	700:1	
Dot Clock	135MHz	
White Luminance	250cd/m ²	
Max. Resolution	1280 x1024	
Plug & Play	VESA DDC2B™	
Power Source	100~240VAC,47~63Hz	
Maximum Screen Size	Horizontal : 376.32mm Vertical: 301.056mm	
Environmental Conditions	Operating Temp: 0°C to 40°C Storage Temp: -20°C to 60°C Operating Humidity: 15% to 90%	

2. LCD Monitor Description

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

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



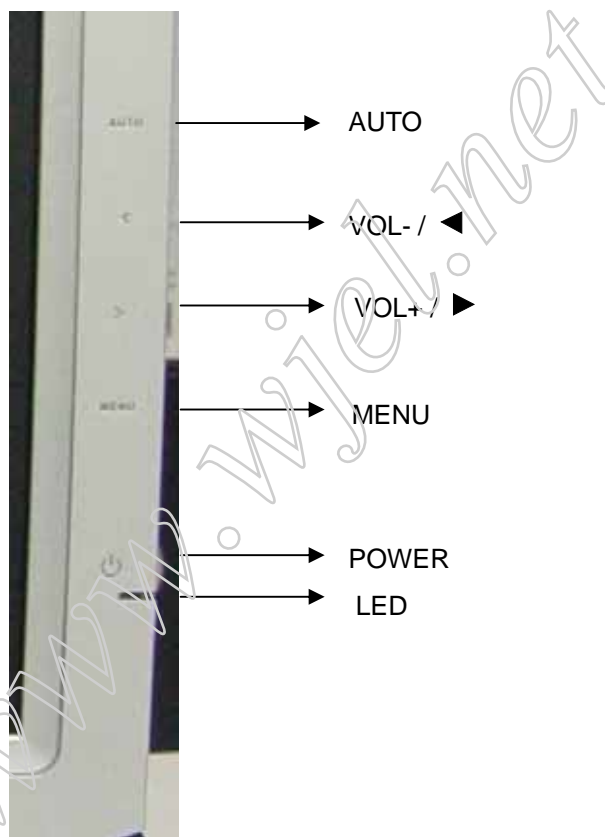
3. Operating Instructions

3.1 General Instructions

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

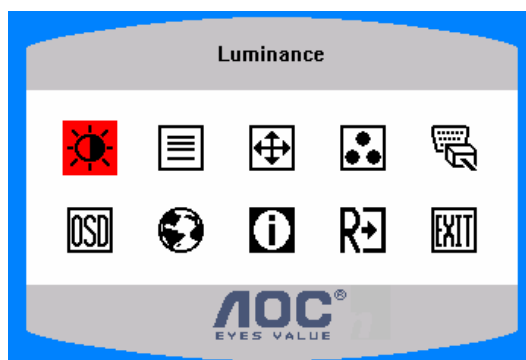
- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor. The power indicator will light up.

3.2 Front Panel Control











NO.	Name	Within OSD	Without OSD
1	Auto	Exit OSD or back to previous menu	Auto configuration
2	VOL- / ◀	1.Move the cursor to left 2.Decrease the value of the selected item	Activate the audio menu
3	VOL+ / ▶	1.Move the cursor to right 2.Increase the value of the selected item	Activate the audio menu
4	MENU	Select Function or select Sub menu	Activate OSD main menu
5	POWER	Power On / Off	Power On / Off
6	Indicate light	Green—On Red—Save	Green—On Red—Save

3.3 Adjusting The Picture



The Description For Control Function:

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description	Adjust Range	Reset Value
Luminance		Contrast		Contrast from Digital-register.	0-100	Recall Cool Contrast Value
		Brightness		Backlight Adjustment	0-100	Recall Cool Brightness Value
Image Setup		Focus		Adjust Picture Phase to reduce Horizontal-Line noise	0-100	Do Auto Config
		Clock		Adjust picture Clock to reduce Vertical-Line noise.	0-100	Do Auto Config
Image Position		H. Position		Adjust the horizontal position of the picture.	0-100	Do Auto Config
		V. Position		Adjust the vertical position of the picture.	0-100	Do Auto Config
Color Temp.		Warm	N/A	Recall Warm Color Temperature from EEPROM.	N/A	The Color Temperature will be set to Cool.
		Cool	N/A	Recall Cool Color Temperature from EEPROM.	N/A	
		User / Red	R	Red Gain from Digital-register.	0-100	The User R/G/B value(default is 100) will not be Modified by Reset function.
		User / Green	G	Green Gain Digital-register.	0-100	
		User / Blue	B	Blue Gain from Digital-register.	0-100	
Input Select (Dual-Input Model)		Analog	N/A	Select input signal from analog (D-Sub)	N/A	N/A
		Digital	N/A	Select input signal from digital (DVI)	N/A	N/A

OSD Setup		H. Position		Adjust the horizontal position of the OSD.	0-100	50
		V. Position		Adjust the vertical position of the OSD.	0-100	50
		OSD Timeout		Adjust the OSD timeout.	10-120	10
Language		English	N/A	Set OSD display language to English.	N/A	The Language will be set to English.
		Deutsch	N/A	Set OSD display language to German.	N/A	
		Français	N/A	Set OSD display language to French.	N/A	
		Español	N/A	Set OSD display language to Spain.	N/A	
		Italiano	N/A	Set OSD display language to Italian.	N/A	
		简体中文	N/A	Set OSD display language to Simplified Chinese.	N/A	
Information		Information	N/A	Show the resolution, H/V frequency and input port of current input timing.	N/A	N/A
Reset		Yes	N/A	Clear each old status of Auto-configuration and set the color temperature to Cool.	N/A	N/A
		No	N/A	Do not execute reset, return to main menu.	N/A	N/A
Exit		N/A	N/A	Exit OSD	N/A	N/A

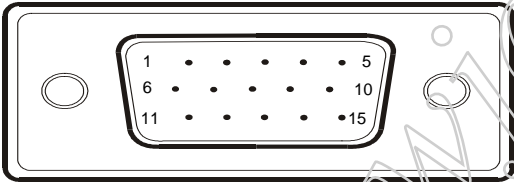
4. Input/Output Specification

4.1 Input Signal Connector

1. D-SUB connector

Pin No.	Description	Pin No.	Description
1.	Red Video	9.	No Pin!
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		

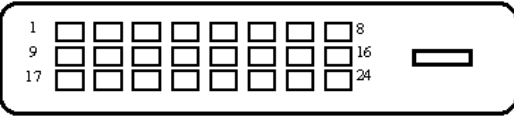
15 - Pin Color Display Signal Cable



2. DVI-D connector

Pin No.	Description	Pin No.	Description
1.	TMDS data 2 -	13.	TMDS data 3 + (NC)
2.	TMDS data 2 +	14.	+ 5V Power
3.	TMDS data 2/4 Shield	15.	GND (return for +5v,hsync, vsync)
4.	TMDS data 4 - (NC)	16.	Hot Plug Detect
5.	TMDS data 4 + (NC)	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 - (NC)
9.	TMDS data 1 -	21.	TMDS data 5+(NC)
10.	TMDS data 1 +	22.	TMDS Clock Shield
11.	TMDS data 1/3 Shield	23.	TMDS Clock +
12.	TMDS data 3 - (NC)	24.	TMDS Clock -

24 - Pin Color Display Signal Cable



4.2 Power Supply Requirement

A/C Line voltage range	: 100 V ~ 240 V
A/C Line frequency range	: 50 ± 3Hz, 60 ± 3Hz
Input Current	: 1.5A max at 100V; 0.8A max at 240 V
Peak surge current	: < 55A peak at 240 VAC 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
Voltage	: 5VDC ± 5%; 12VDC± 5%
Current	: 1.5Amp (5V) ; 2 Amp (12V)

<http://www.wjel.net>

4.3 Factory Preset Display Modes

VESA MODES							
Mode	Resolution	Total	Horizontal		Vertical		Nominal Pixel Clock (MHz)
			Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.500	N	75.00	N	31.500
SVGA	800x600@56Hz	1024 x 625	35.156	N/P	56.250	N/P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.077	P	72.188	P	50.000
	800x600@75Hz	1056x625	46.875	P	75.000	P	49.500
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
SXGA	1280x1024@60Hz	1688x1066	63.981	P	60.020	P	108.000
	1280x1024@75Hz	1688x1066	79.976	P	75.025	P	135.000
IBM MODES							
			Horizontal		Vertical		
DOS	720x400@70Hz	900 x 449	31.469	N	70.087	P	28.322
DOS	640x400@70Hz	800 x 449	31.469	N	70.087	P	25.175
XGA	1024x768@72Hz	1304 x 798	57.515	P	72.1	P	75.000
MAC MODES							
VGA	640x480@67Hz	864x525	35.000	N	66.667	N	30.240
SVGA	832x624@75Hz	1152x667	49.725	N	74.551	N	57.2832
XGA	1024x768@60Hz	1312x813	48.780	N	60.001	N	64.000
	1024x768@75Hz	1328x804	60.241	N	74.927	N	80.000

4.4 Panel Specification

4.4.1 General Features

This specification applies to the 19.0 inch Color TFT-LCD Module M190EN02.

The display supports the SXGA (1280(H) x 1024(V)) screen format and 16.7M colors (RGB 8-bits data).

All input signals are 2 Channel LVDS interface compatible.

This module does not contain an inverter card for backlight.

4.4.2 Display Characteristics

ITEMS	Unit	SPECIFICATIONS
Screen Diagonal	[mm]	480(19")
Active Area	[mm]	376.32 (H) x 301.056 (V)
Pixels H x V		1280(x3) x 1024
Pixel Pitch	[mm]	0.294 (per one triad) x 0.294
Pixel Arrangement		R.G.B. Vertical Stripe
Display Mode		Normally Black
White Luminance (Center)	[cd/m ²]	250 cd/m ² @7mA (Typ)
Contrast Ratio		700 : 1 (Typ)
Optical Response Time	[msec]	25 (Typ)
Nominal Input Voltage VDD	[Volt]	+5.0 V
Power Consumption (VDD line + CCFL line)	[Watt]	40W (typ.) (w/o Inverter, All white pattern)
Weight	[Grams]	2700 (Typ)
Physical Size	[mm]	404.2(W) x 330(H) x 20(D) (Typ)
Electrical Interface		Even/Odd R/G/B data, 3 sync signal, Clock
Support Color		16.7M colors (RGB 8-bit data)
Temperature Range		
Operating	[°C]	0 to +50
Storage (Shipping)	[°C]	-20 to +60

4.4.3 Optical Characteristics

Item	Unit	Conditions	Min.	Typ.	Max.
Viewing Angle	[degree]	Horizontal (Right)	75	85	-
	[degree]	CR = 10 (Left)		85	-
	[degree]	Vertical (Up)	75	85	-
	[degree]	CR = 10 (Down)		85	-
Contrast ratio		Normal Direction	400	700	
Response Time (Note 1)	[msec]	Raising Time	-	15	25
	[msec]	Falling Time	-	10	15
	[msec]	Raising + Falling	-	25	40
Color / Chromaticity Coordinates (CIE)		Red x	0.604	0.634	0.664
		Red y	0.324	0.354	0.384
		Green x	0.278	0.308	0.338
		Green y	0.576	0.606	0.636
		Blue x	0.108	0.138	0.168
		Blue y	0.057	0.087	0.117
Color Coordinates (CIE) White		White x	0.28	0.31	0.34
		White y	0.30	0.33	0.36
White Luminance at CCFL 7.0mA (central point)	[cd/m ²]		200	250	-
Luminance Uniformity (Note 2)	[%]		75	80	-
Crosstalk (in75Hz) (Note 3)	[%]				1.5

4.4.4 Electrical Characteristics

1. TFT LCD Module

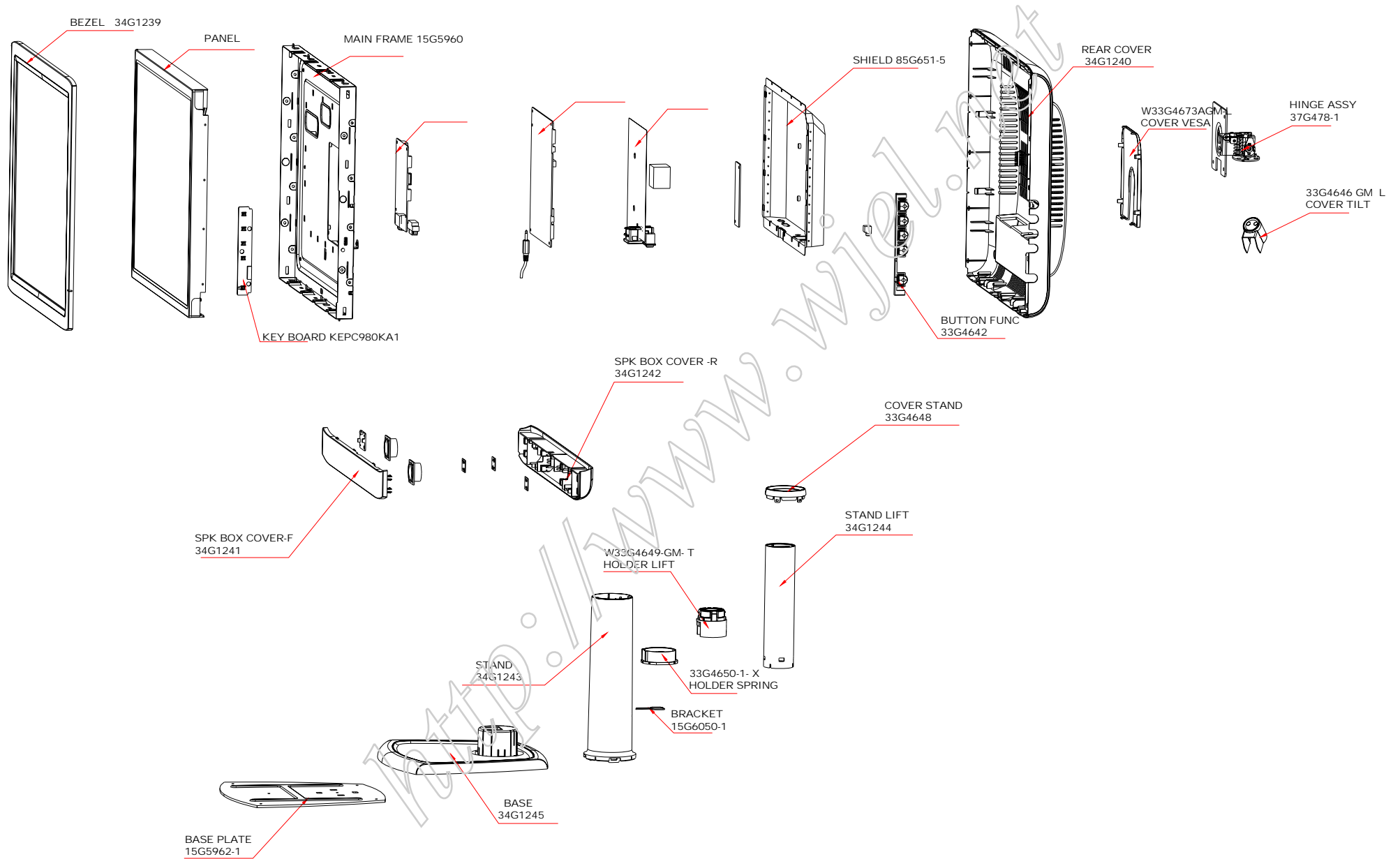
Symbol	Parameter	Min	Typ	Max	Units	Condition
VDD	Logic/LCD Drive Voltage	4.5	5	5.5	[Volt]	
IDD	VDD current		1100	1300	[mA]	
IIDD	Inrush VDD current			7	[A]	t < 80us
PDD	VDD Power			8	[Watt]	Vin=5V, All White Pattern
VDDrp	Allowable Logic/LCD Drive Ripple Voltage			100	[mV] p-p	
VDDns	Allowable Logic/LCD Drive Ripple Noise			100	[mV] p-p	

2. Backlight Unit

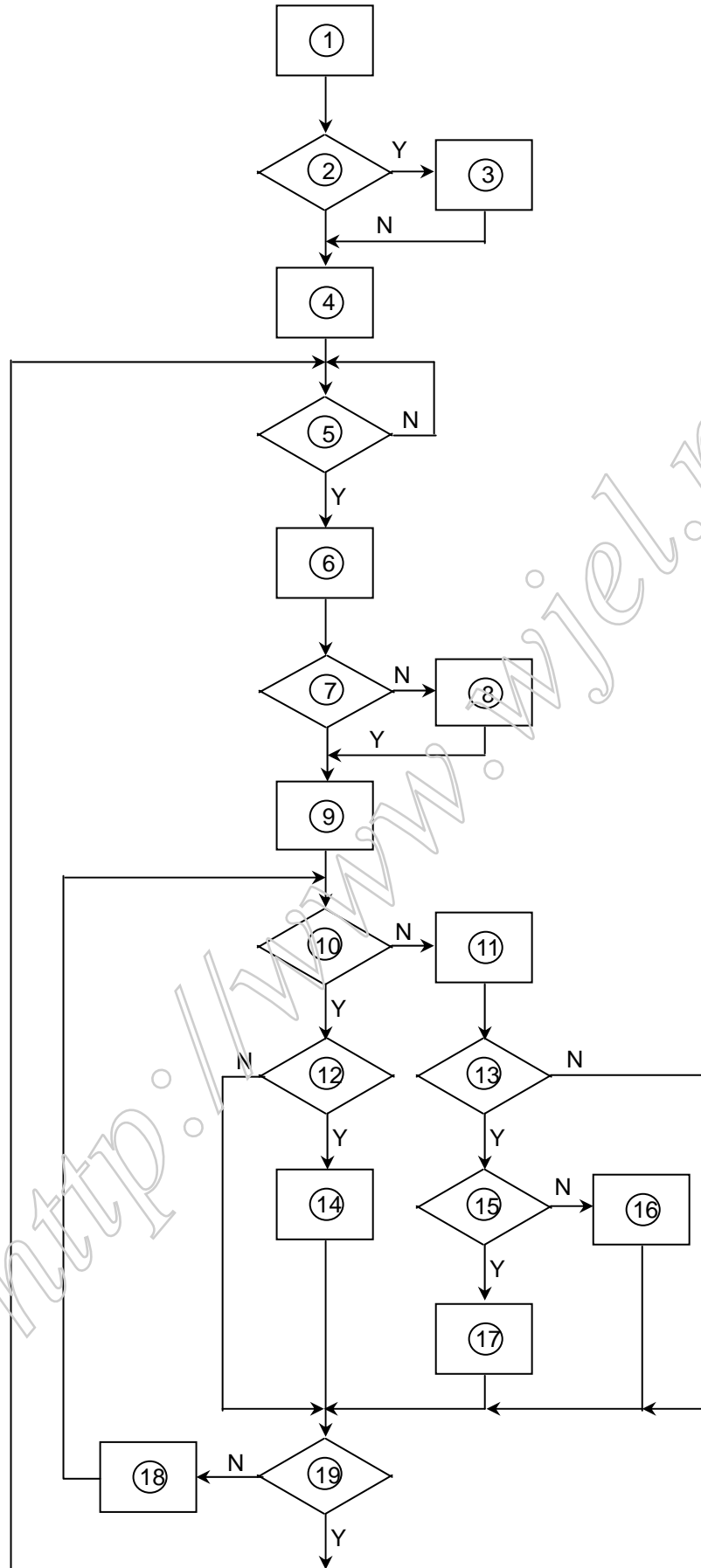
Symbol	Parameter	Min	Typ	Max	Units	Condition
(L255)	White Luminance	200	250	-	[cd/m ²]	(Ta=25°C)
ISCFL	CCFL standard current	6.5	7.0	7.5	[mA] rms	(Ta=25°C)
IRCFL	CCFL operation range	3.0	7.0	7.5	[mA] rms	(Ta=25°C)
fCFL	CCFL Frequency	40	50	60	[KHz]	(Ta=25°C) Note 1
ViCFL (0°C)	CCFL Ignition Voltage	1800			[Volt] rms	(Ta=0°C) Note 2
ViCFL (25°C)	CCFL Ignition Voltage	1500			[Volt] rms	(Ta=25°C) Note 2
VCFL	CCFL Discharge Voltage (Reference)	660	720	780	[Volt] rms	(Ta=25°C) Note 3
PCFL	CCFL Power consumption	17.16	20.16	23.4	[Watt]	(Ta=25°C) Note 3

5. Block Diagram

5.1 Monitor Exploded View



5.2 Software Flowing Chart

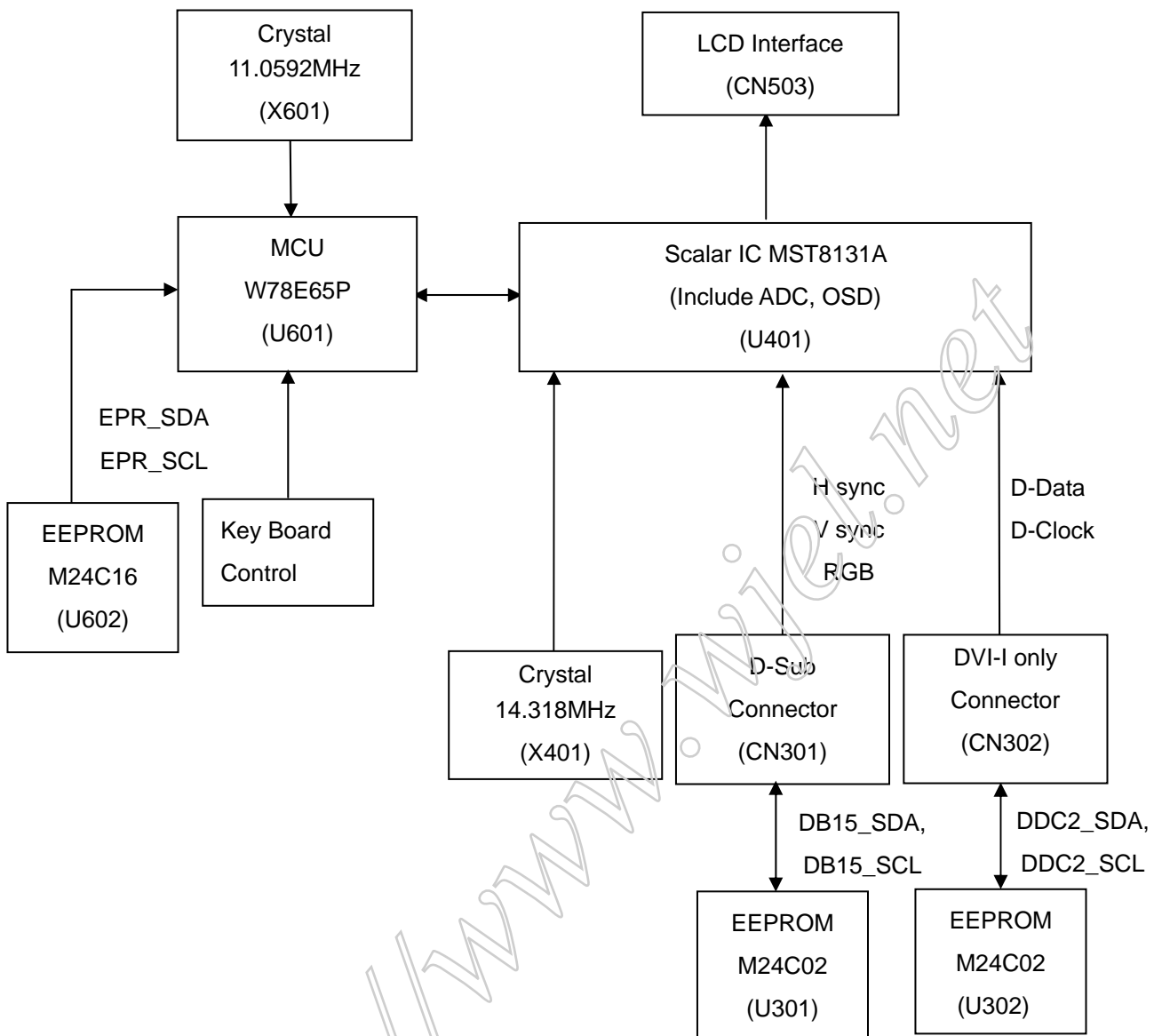


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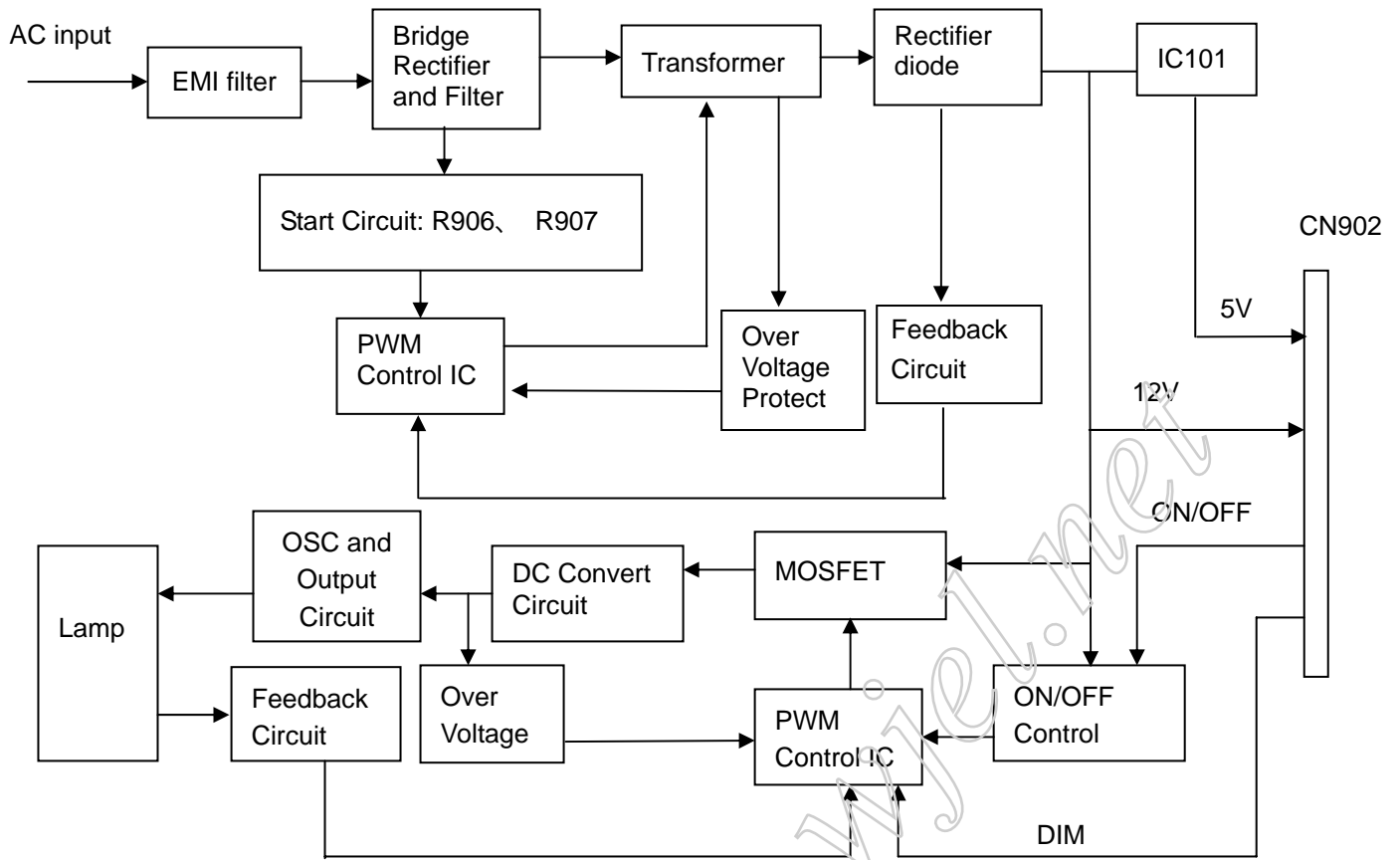
1) MCU initialize.
2) Is the EEprom blank?
3) Program the EEprom by default values.
4) Get the PWM value of brightness from EEprom.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EEprom. Turn on the LED and set it to green color. Scalar initialize.
10) In standby mode?
11) Update the lifetime of back light.
12) Check the analog port, are they're 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?

5.3 Electrical Block Diagram

5.3.1 Main Board



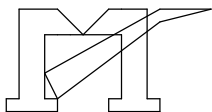
5.3.2 Inverter/Power Board



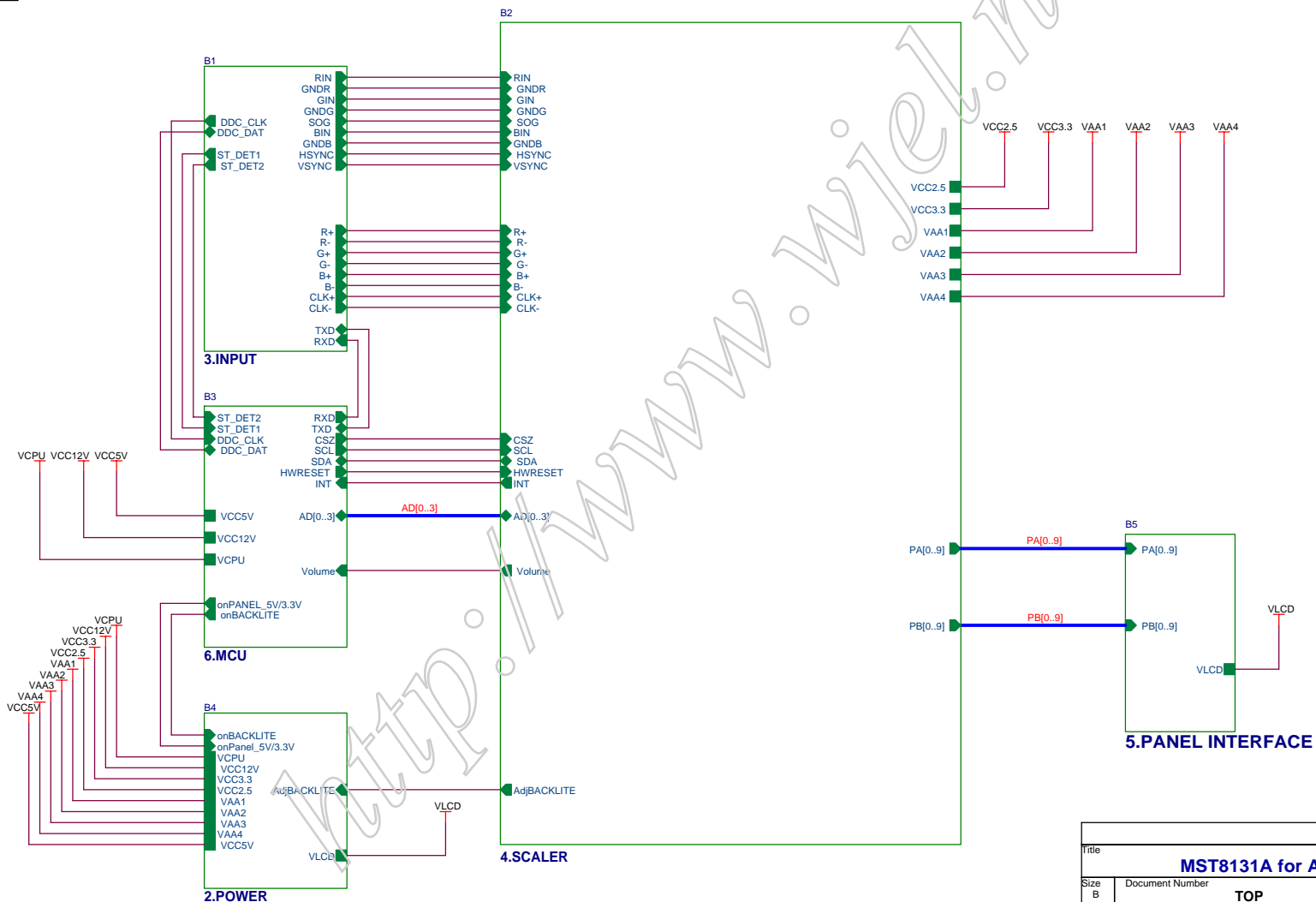
6. Schematic

6.1 Main Board

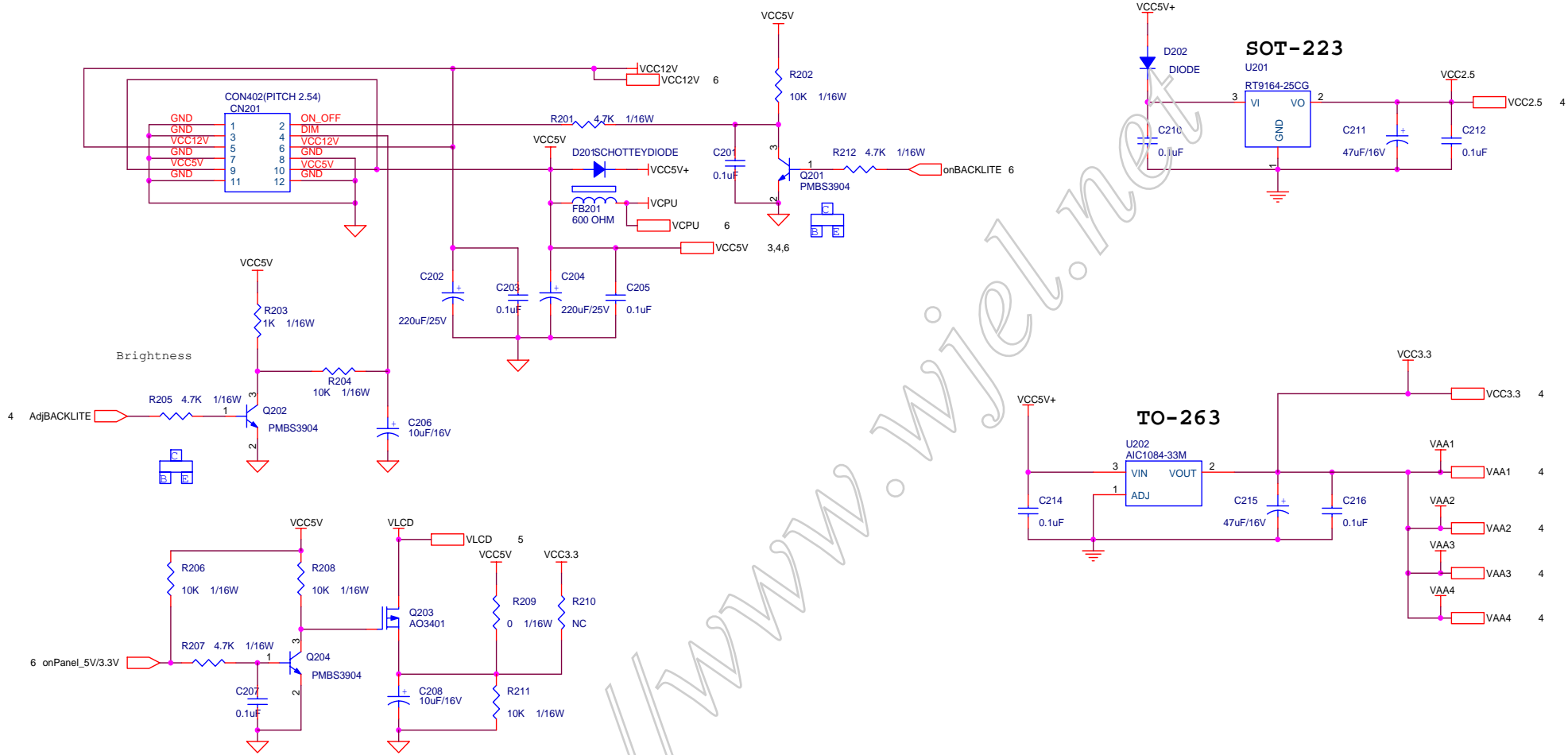
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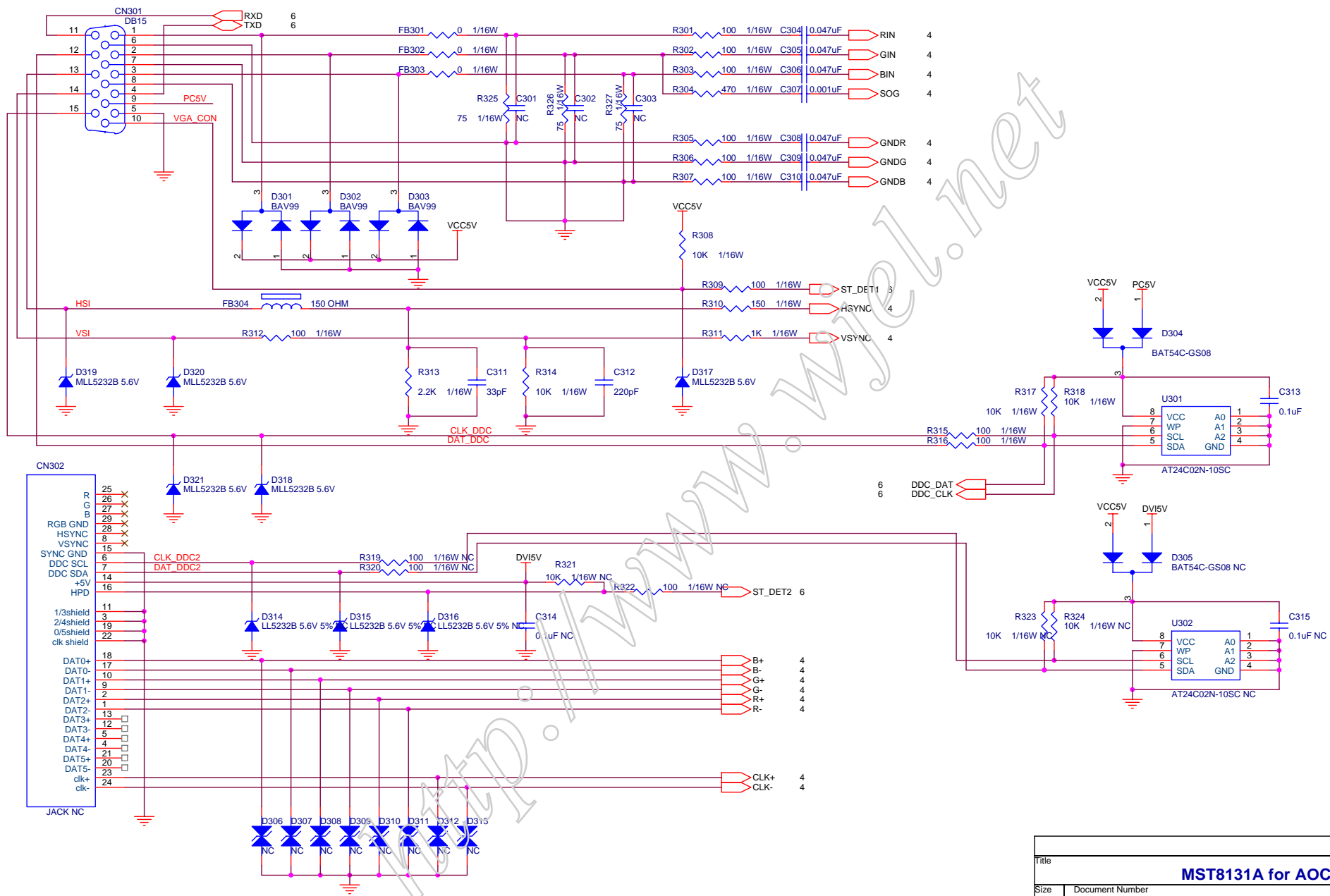


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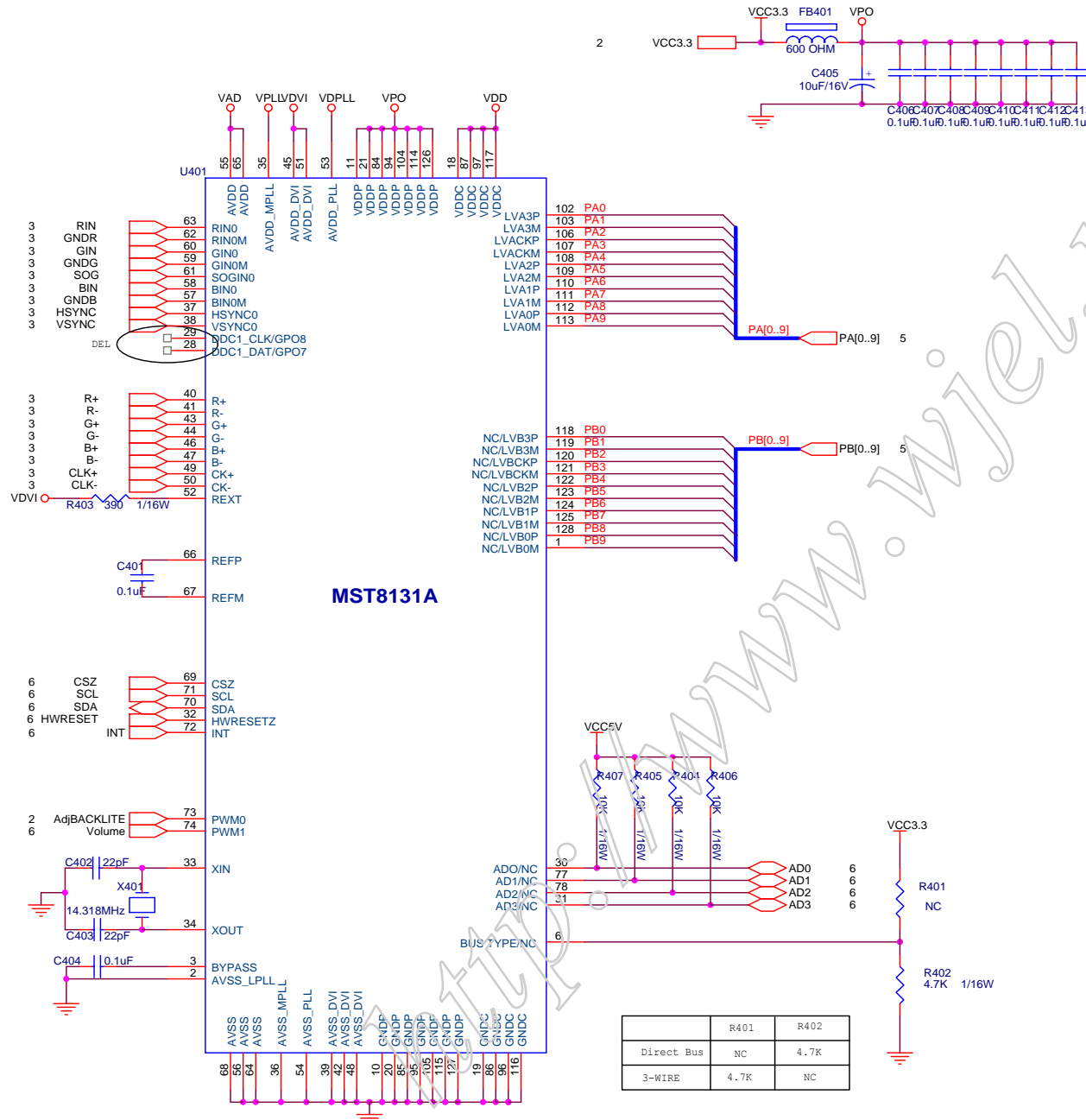


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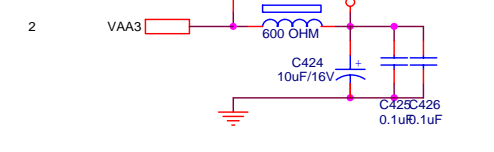
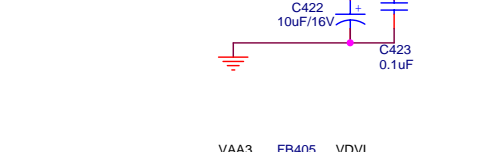
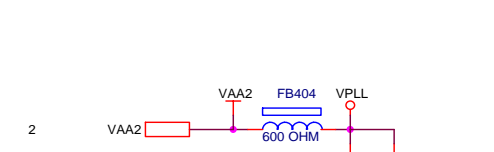
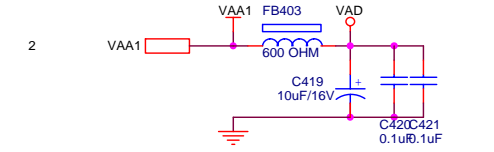
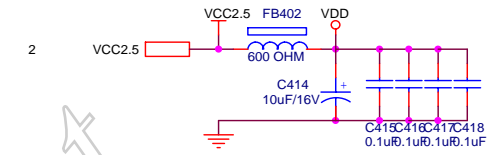


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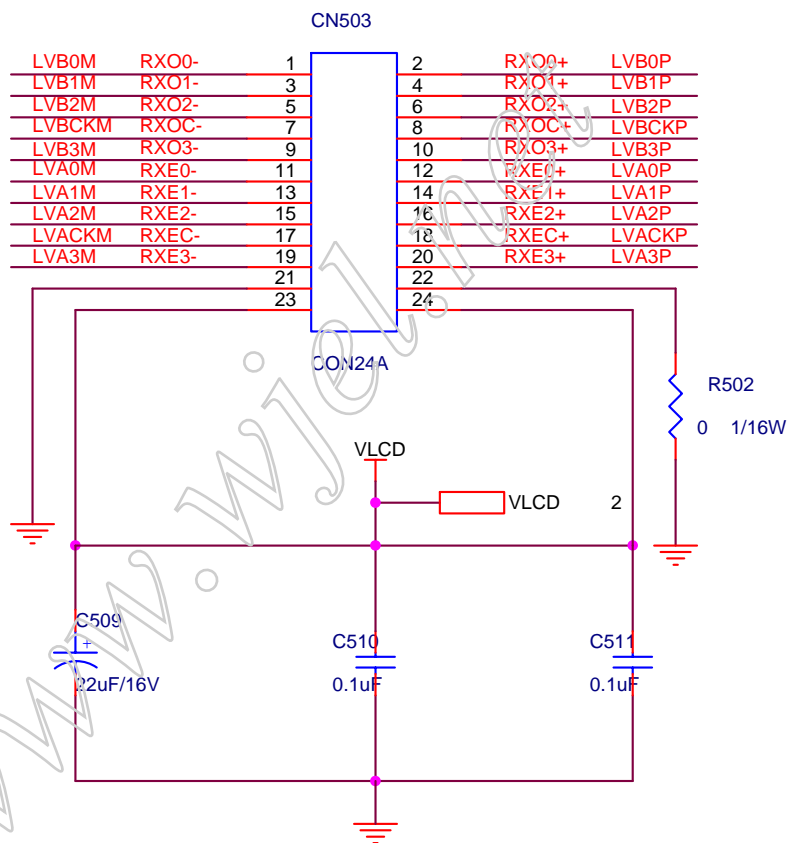
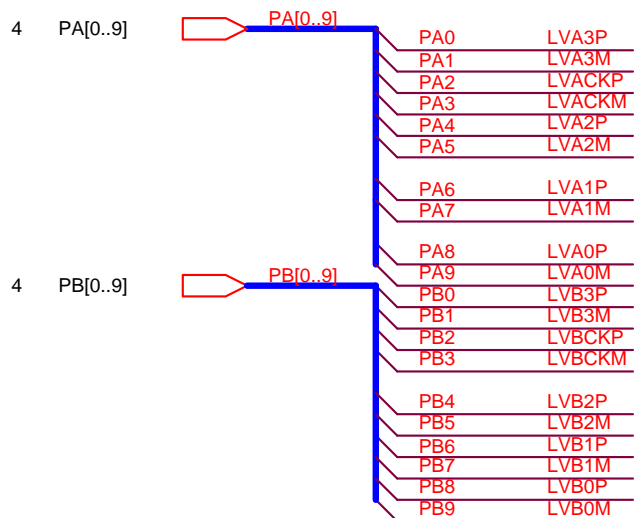


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	R401	R402
Direct Bus	NC	4.7K
3-WIRE	4.7K	NC

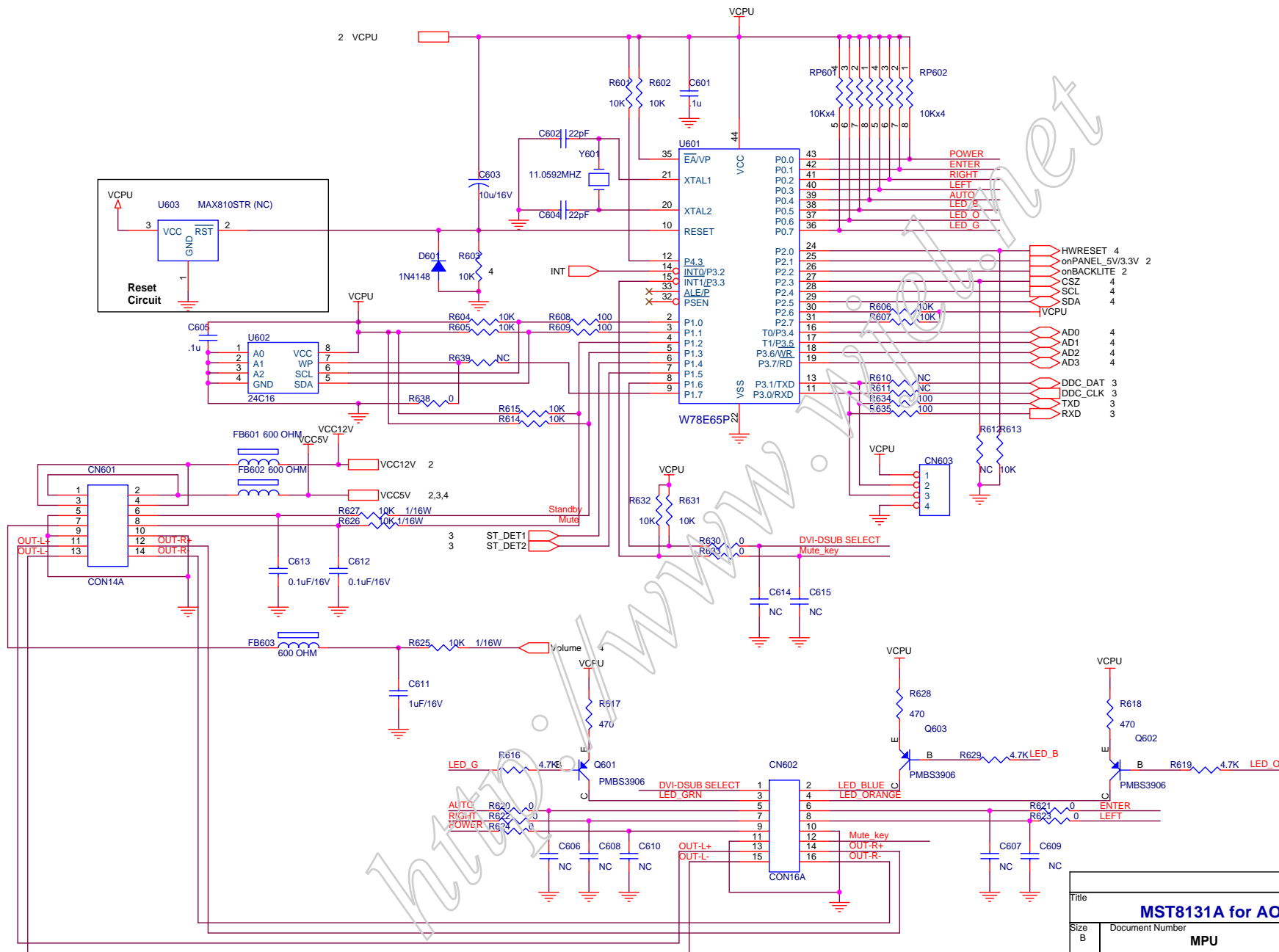


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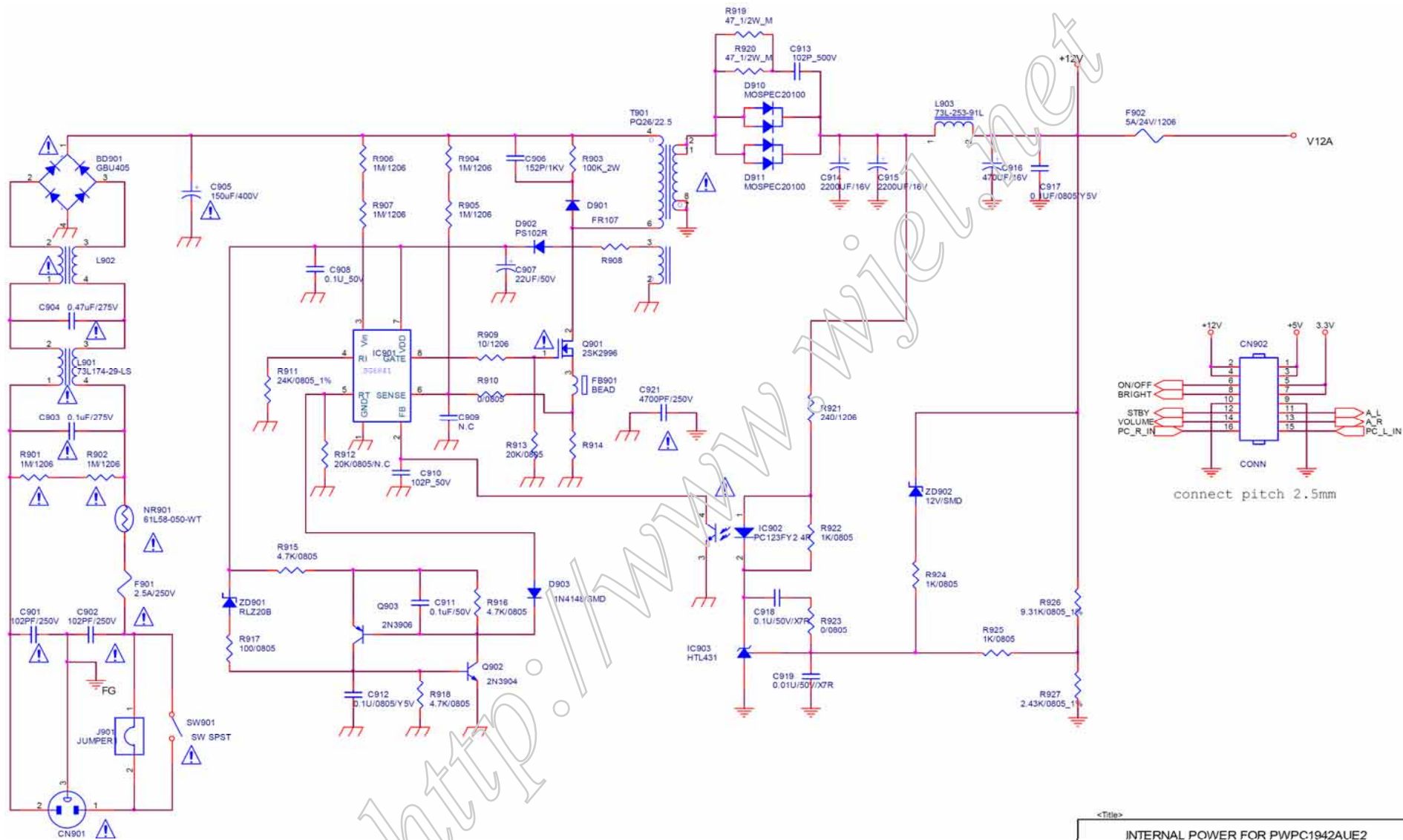
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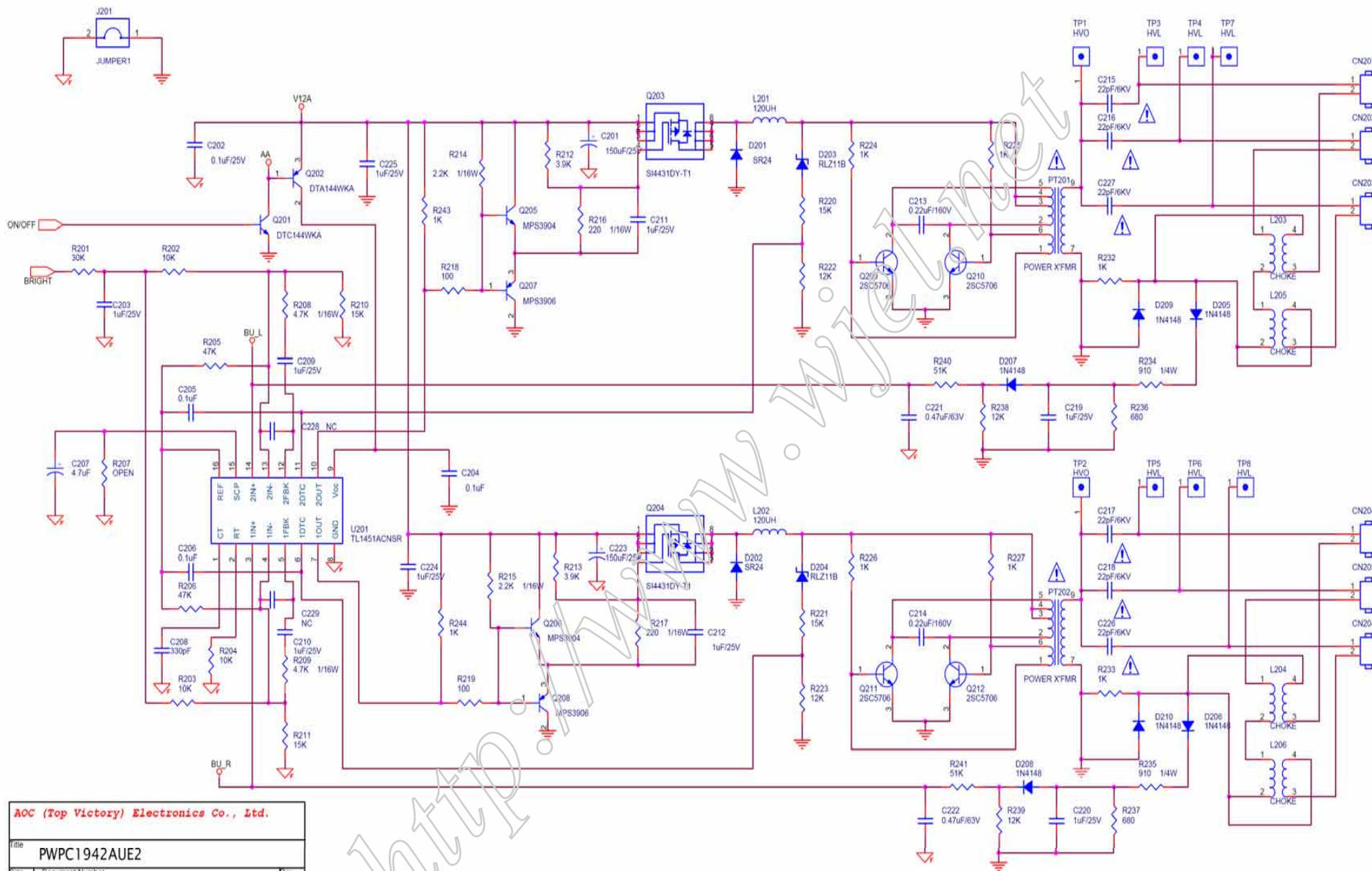


6.2 Power Board

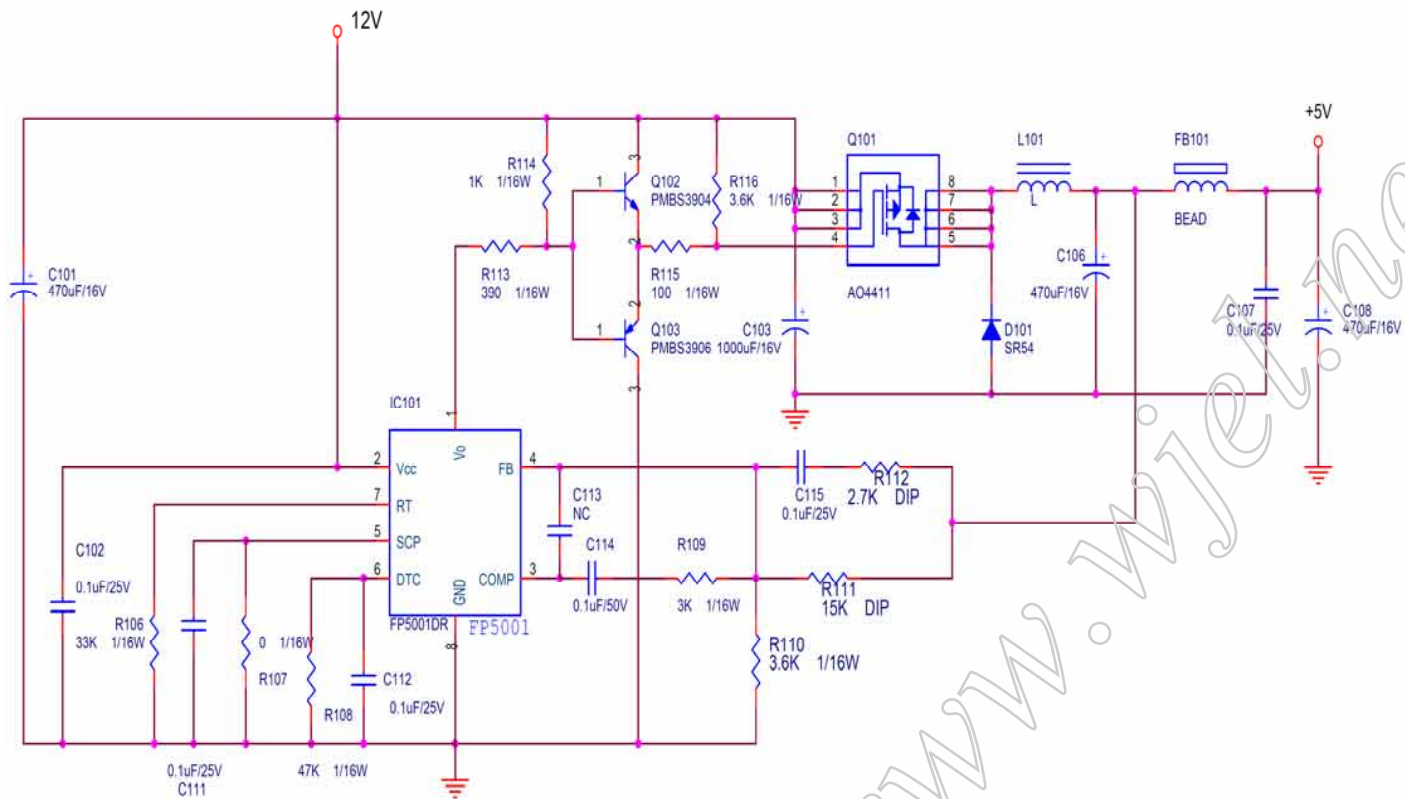
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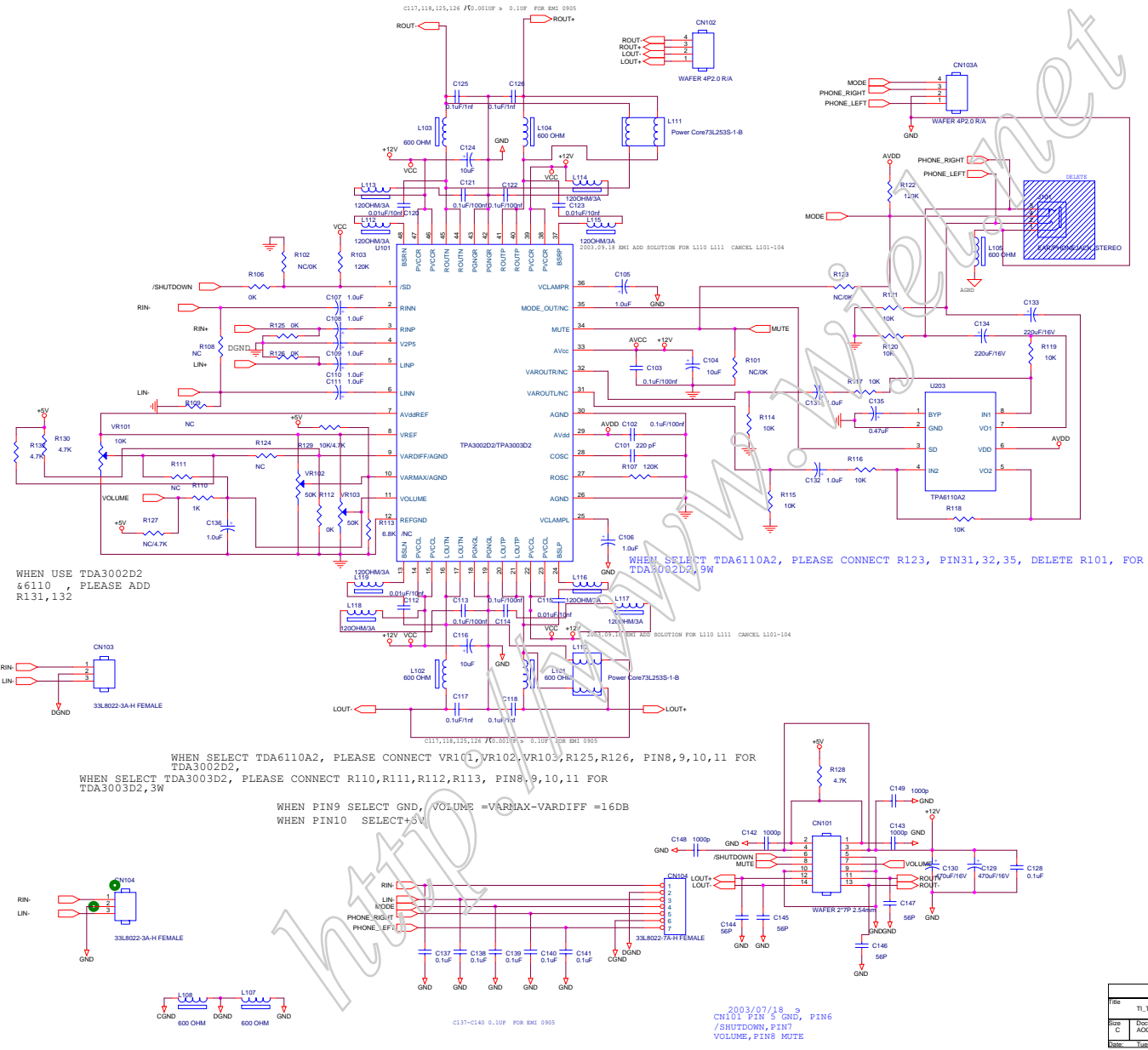


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6.3 Audio Board

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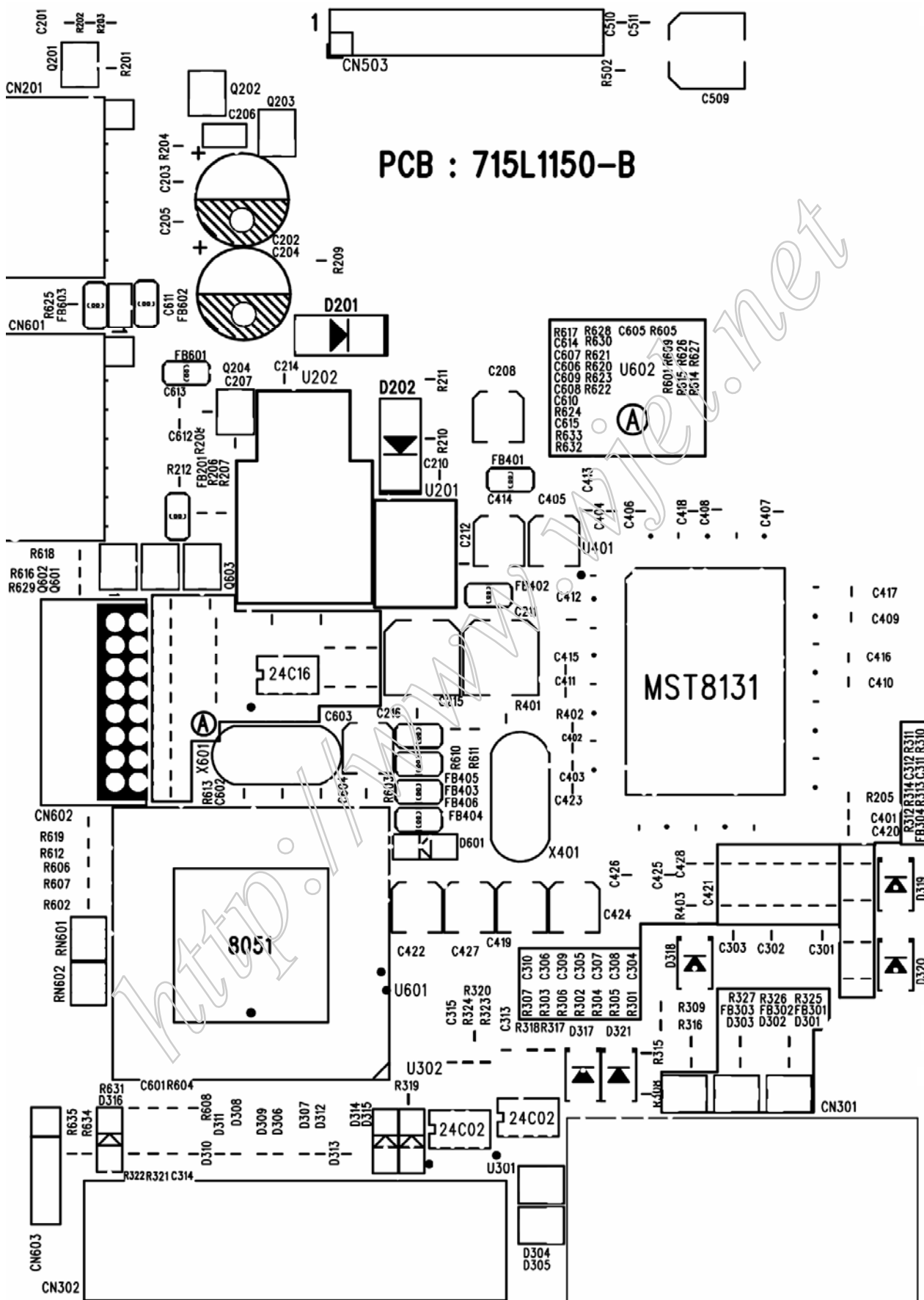


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7. PCB Layout

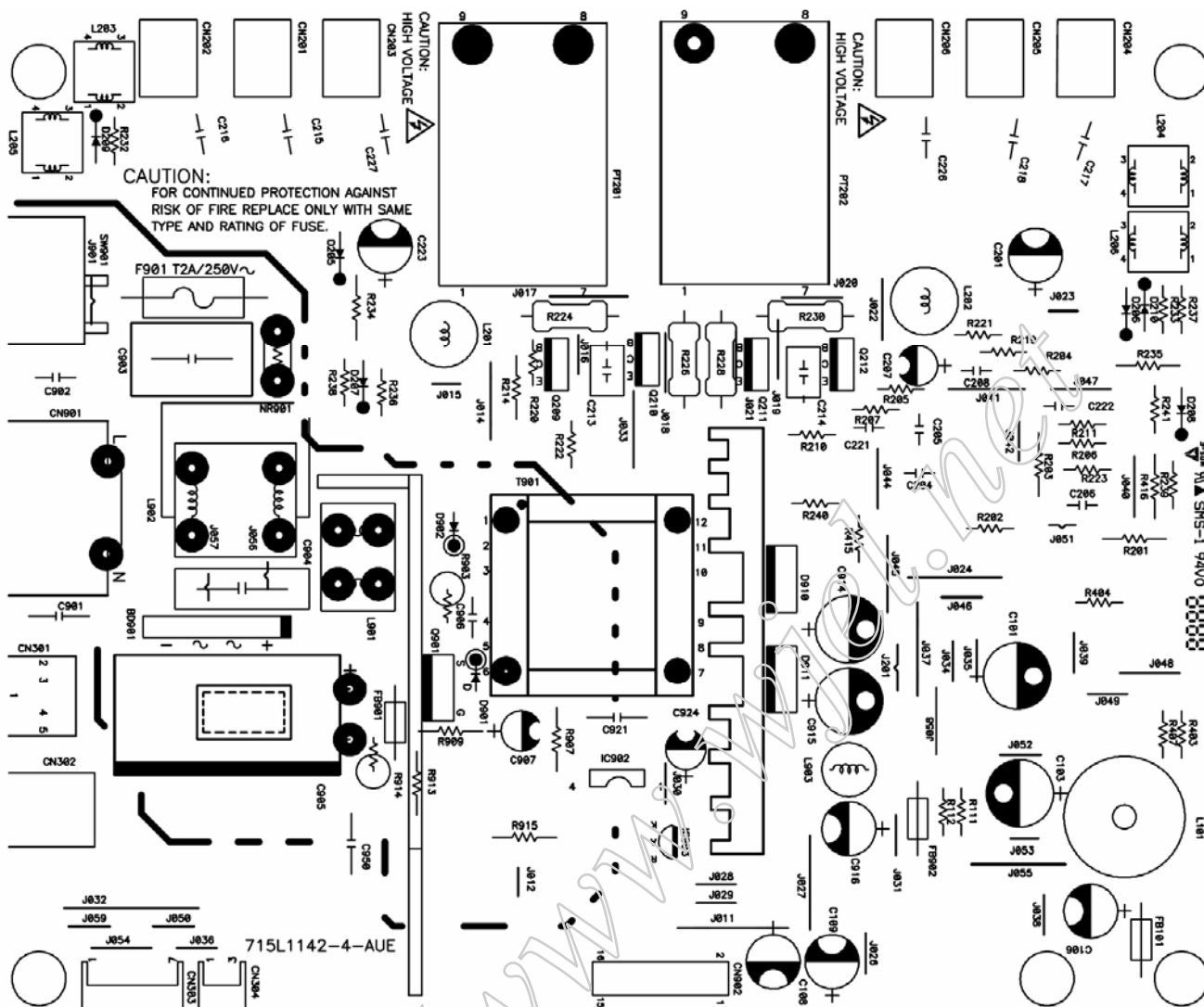
7.1 Main Board

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7.2 Power Board

715G1142-4AUE

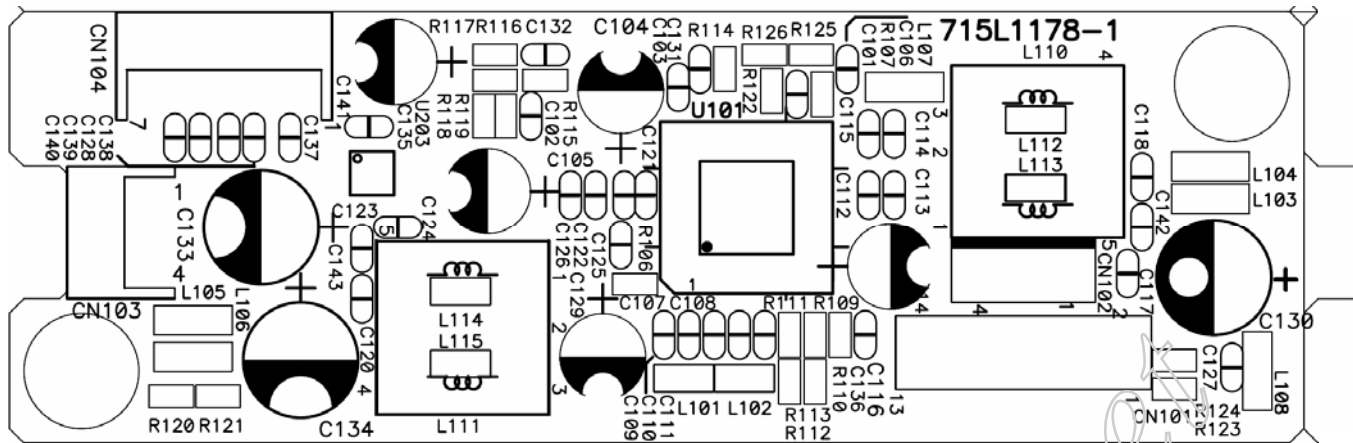


715L1142-4-AUE

<http://www.aoc.com>

7.3 Audio Board

715L1178-1



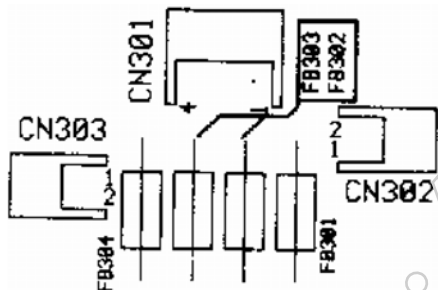
7.4 Key Board

715L1170-1



7.5 CNPC Board

715L1131-1-17



8. Maintainability

8.1 Equipments And Tools Requirement

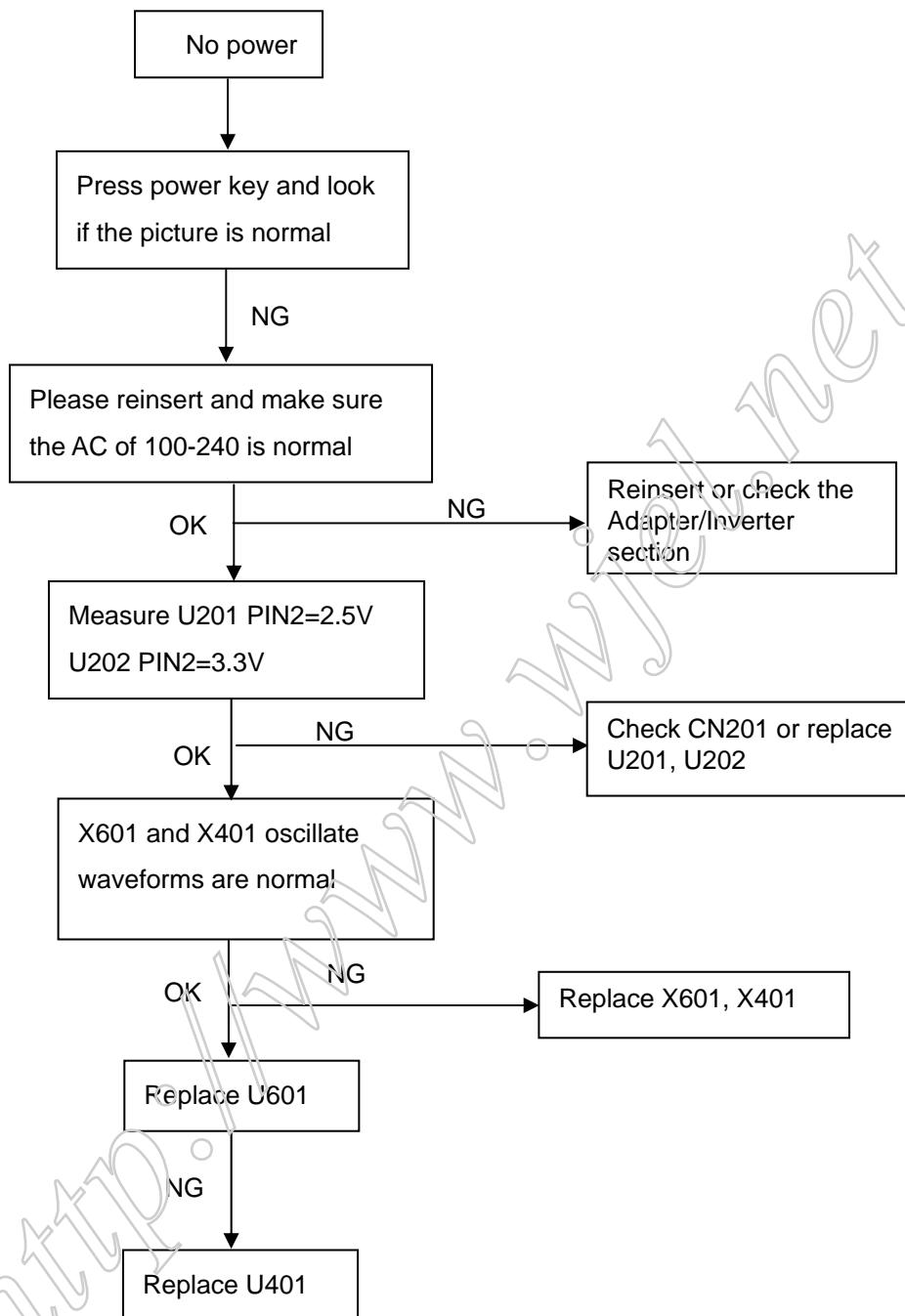
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

<http://www.wjel.net>

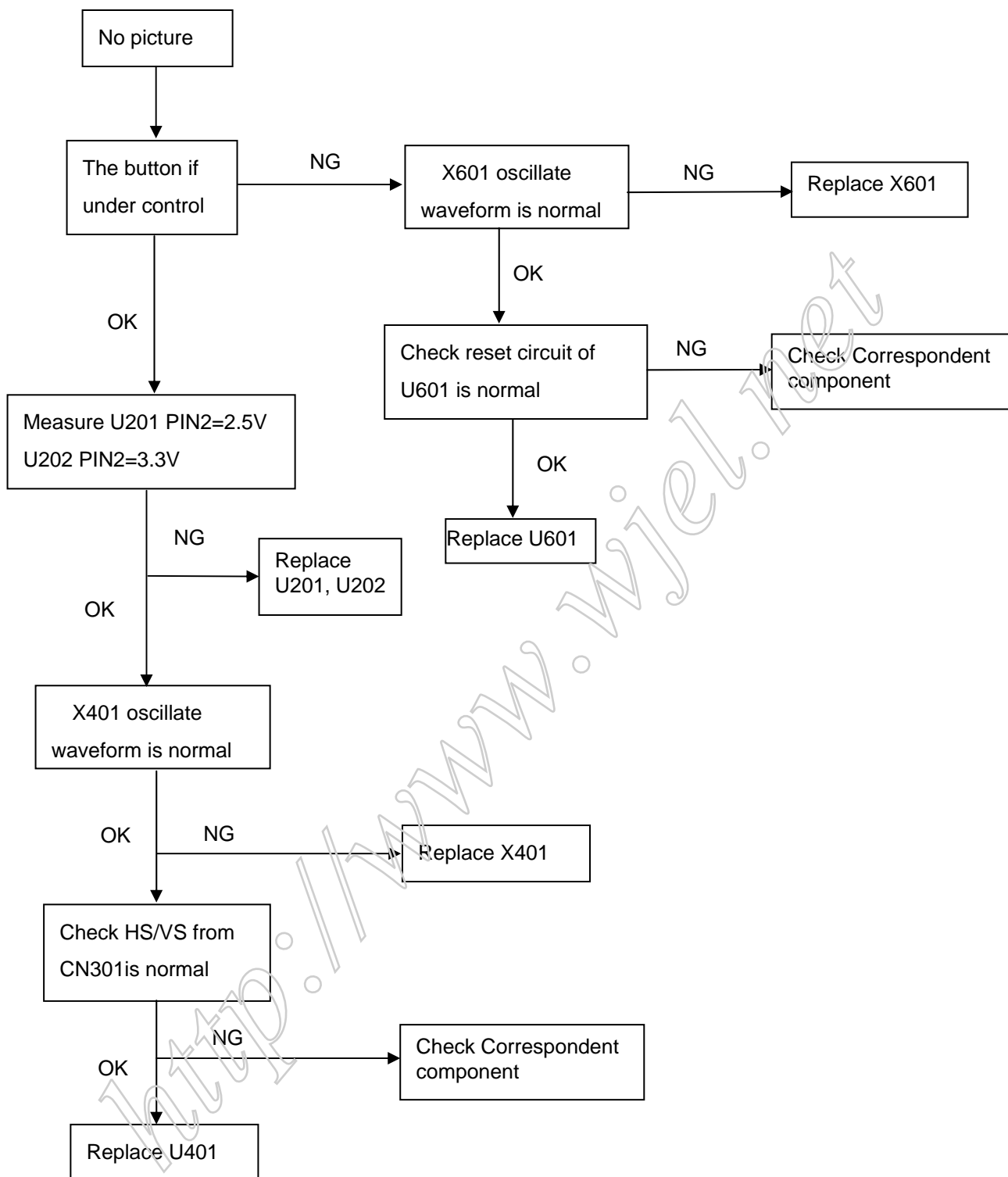
8.2 Trouble Shooting

8.2.1 Main Board

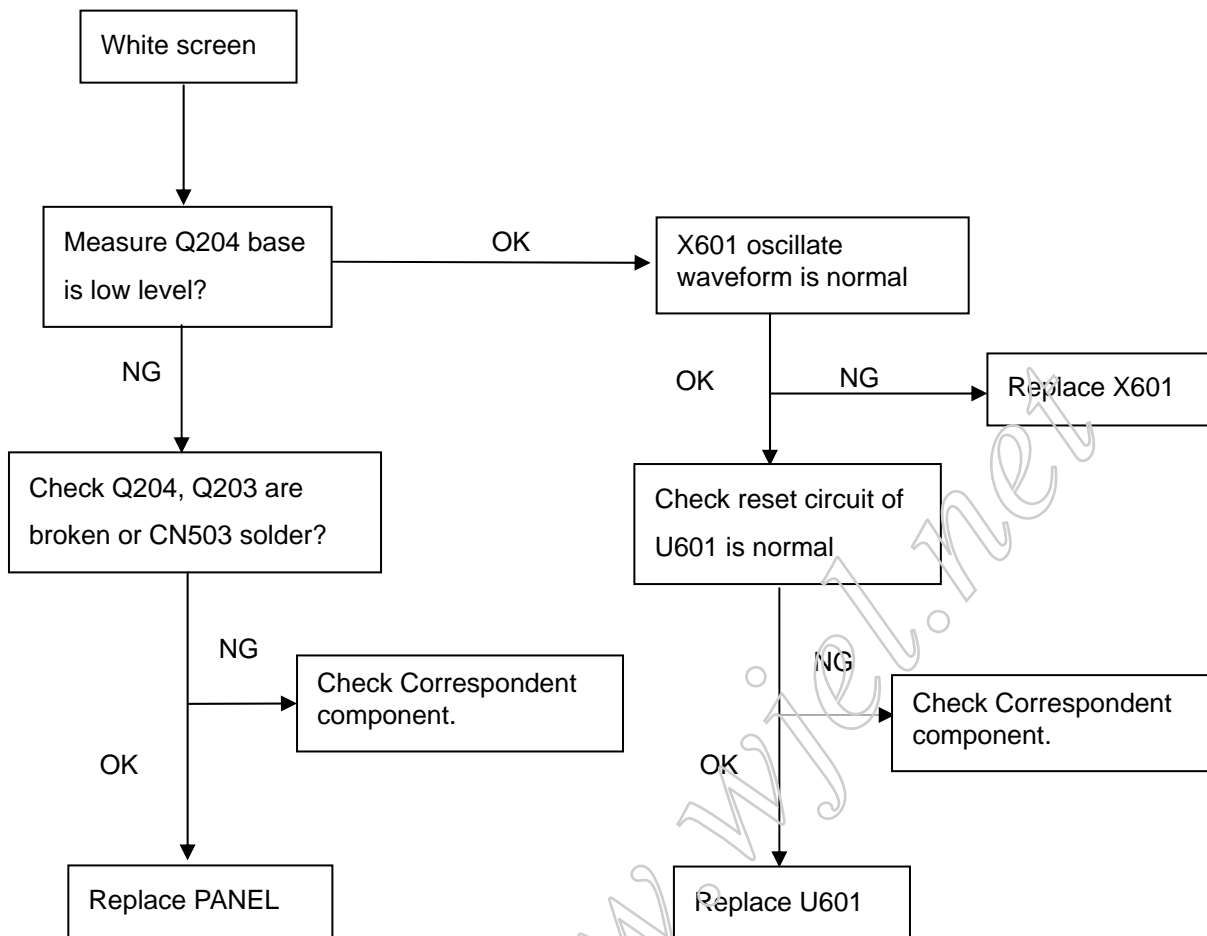
No power



No picture (LED orange)

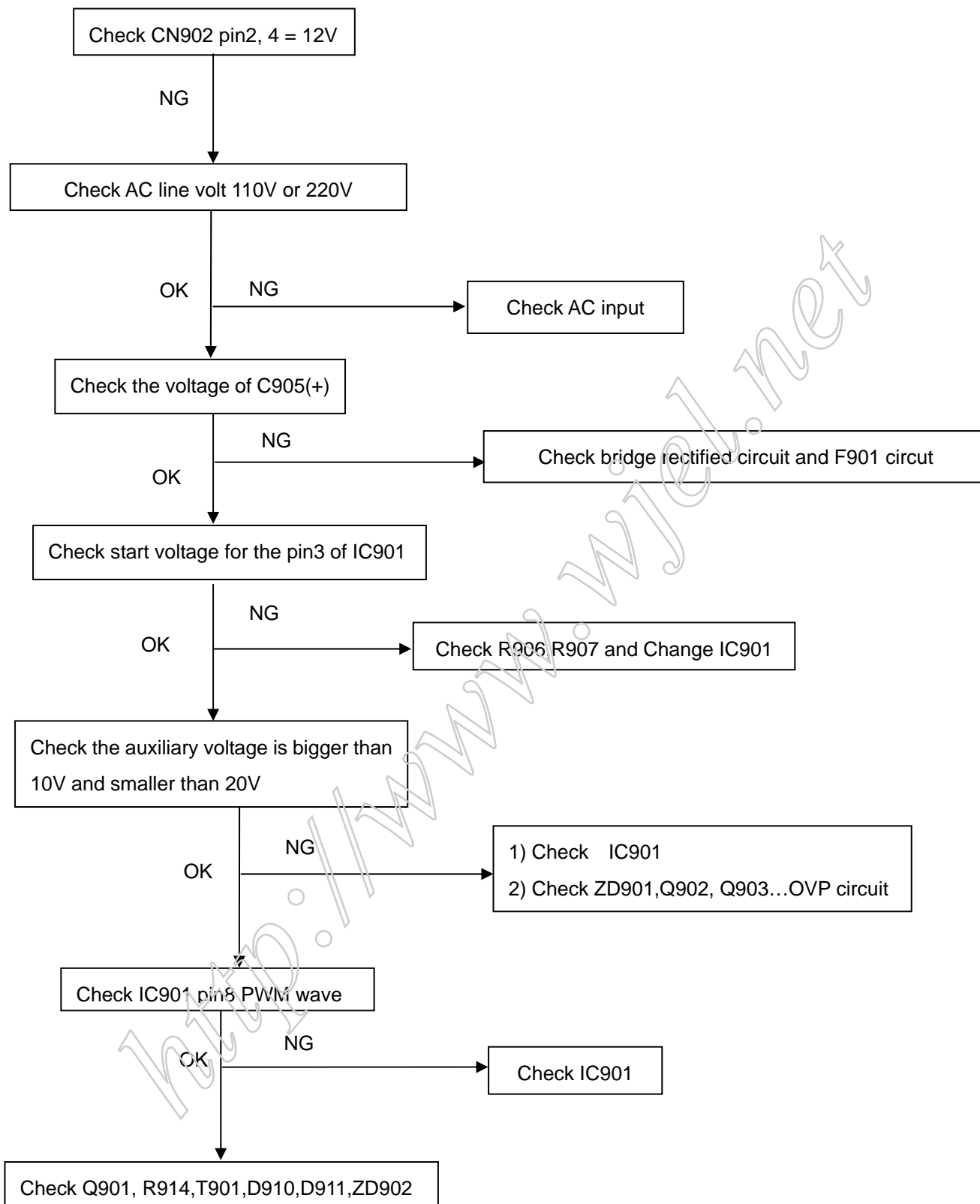


White screen

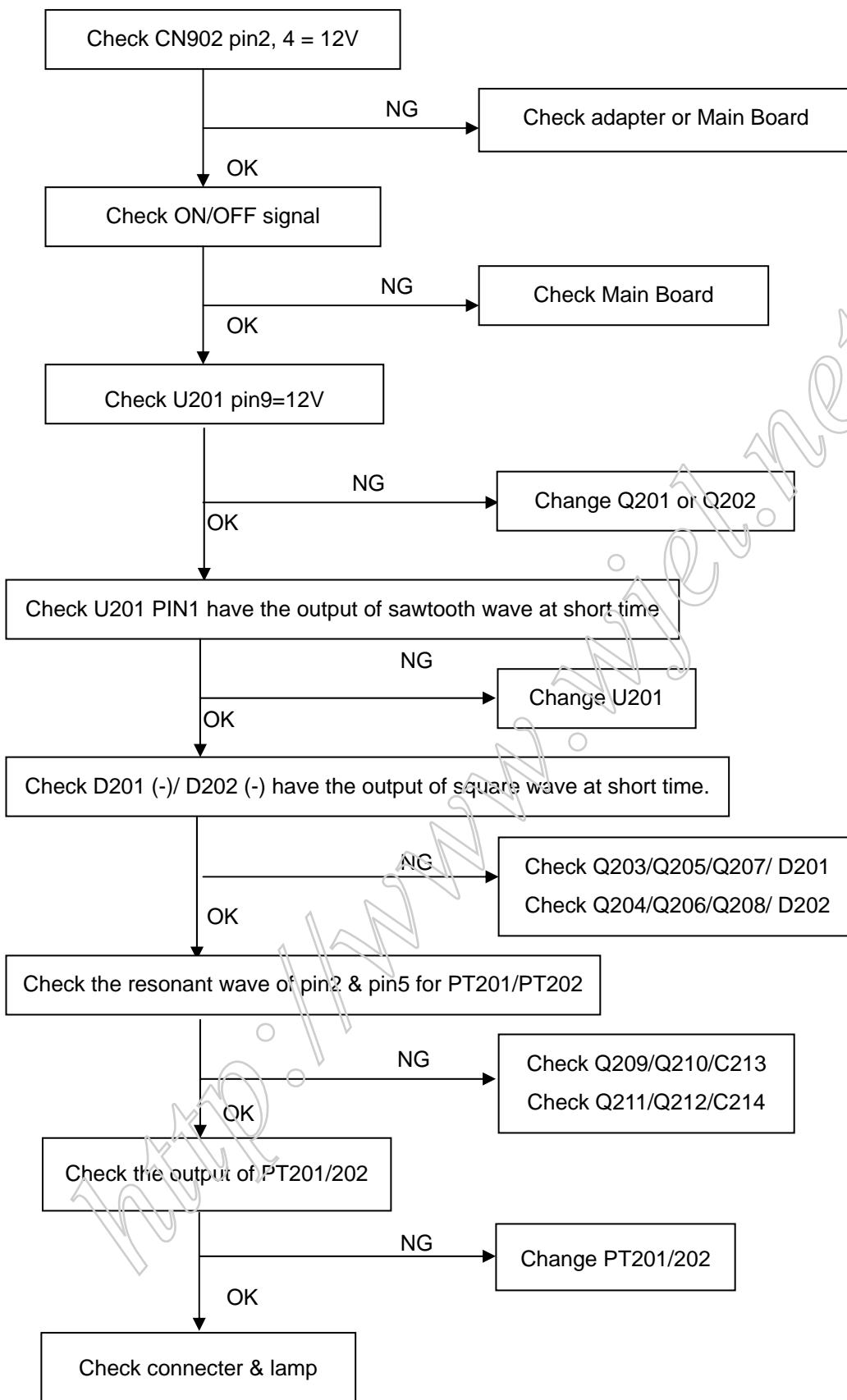


8.2.2 Power/Inverter Board

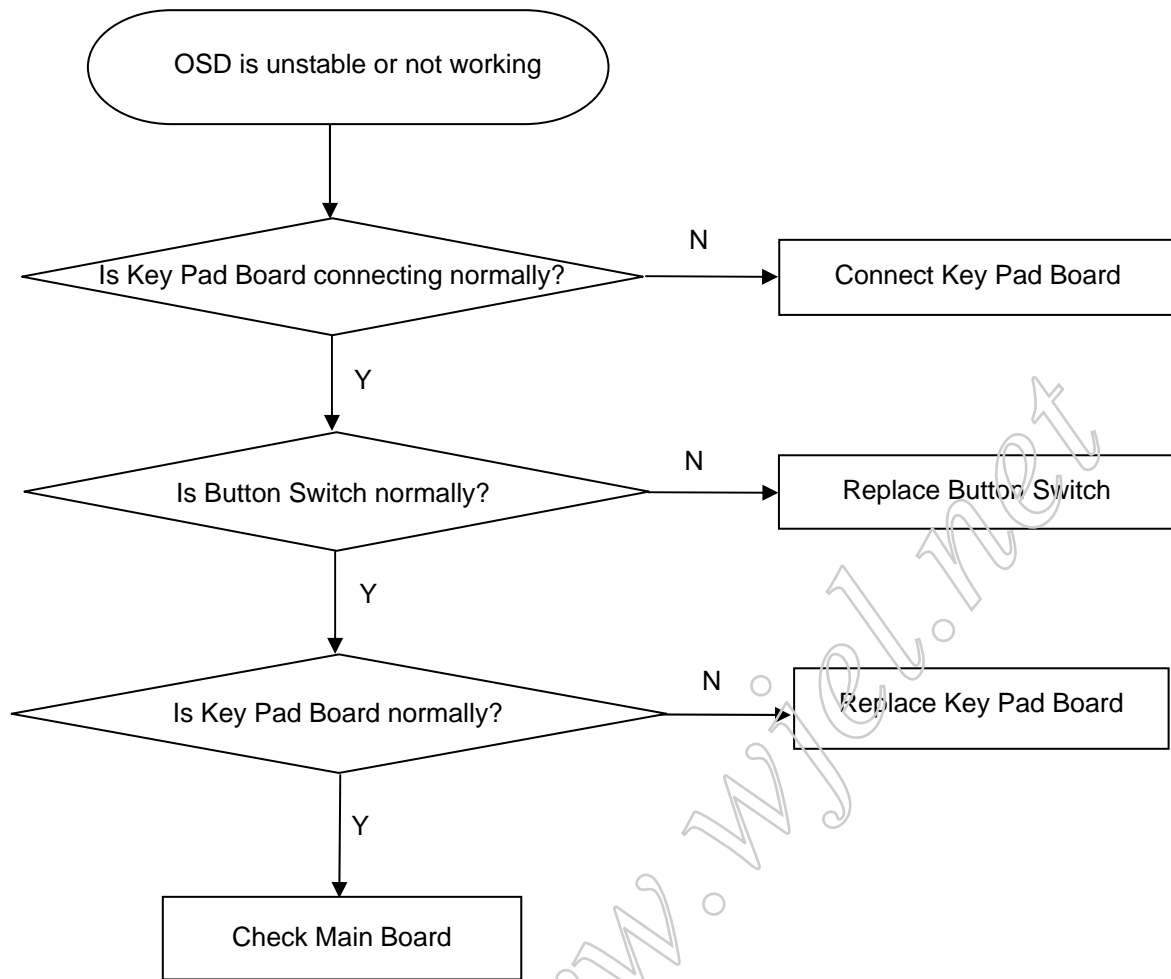
1) No power



2.) 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.

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 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 (7800 color):

7800 color temp. parameter is $x = 296 \pm 20$, $y = 311 \pm 20$, $Y = 180 \text{ cd/m}^2$,

B. MEM.CHANNEL 4 (6500 color):

6500 color temp. parameter is $x = 313 \pm 20$, $y = 329 \pm 20$, $Y = 180 \text{ cd/m}^2$

3. Into factory mode of AOC LM929

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

4. Bias adjustment:

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

5. Gain adjustment:

Move cursor to “-F-” and press MENU key

A. Adjust 7800 color-temperature

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

B. Adjust 6500 color-temperature

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

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

10. EDID Content

1. Analog EDID

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0:	00	FF	FF	FF	FF	FF	FF	00	05	E3	82	A9	0B	95	0D	00
16:	1C	0D	01	03	68	26	1E	78	2A	6A	C6	A1	59	4B	99	23
32:	17	4F	59	BF	EF	00	81	80	01	01	01	01	01	01	01	01
48:	01	01	01	01	01	01	30	2A	00	98	51	00	2A	40	30	70
64:	13	00	78	2D	11	00	00	1E	00	00	00	FF	00	31	32	33
80:	34	35	36	37	38	39	30	31	32	33	00	00	00	FD	00	37
96:	4B	1E	53	0E	00	0A	20	20	20	20	20	20	00	00	00	FC
112:	00	4C	4D	39	32	39	0A	20	20	20	20	20	20	20	00	5D

2. Digital EDID

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0:	00	FF	FF	FF	FF	FF	FF	00	05	E3	82	A9	0B	95	0D	00
16:	1C	0D	01	03	80	26	1E	78	2A	6A	C6	A1	59	4B	99	23
32:	17	4F	59	BF	EF	00	81	80	01	01	01	01	01	01	01	01
48:	01	01	01	01	01	01	30	2A	00	98	51	00	2A	40	30	70
64:	13	00	78	2D	11	00	00	1E	00	00	00	FF	00	31	32	33
80:	34	35	36	37	38	39	30	31	32	33	00	00	00	FD	00	37
96:	4B	1E	53	0E	00	0A	20	20	20	20	20	20	00	00	00	FC
112:	00	4C	4D	39	32	39	0A	20	20	20	20	20	20	20	00	45

11. BOM List

T980KAQDBCAOW

Location	Part No. for TPV	Description	Quantity	Unit
	Q1G 330 8120	SCREW 3X8mm	3	PCS
	AUPC980A3T	AUDIO BOARD	1	PCS
	CBPC980KAQAC1	CONVERSION BOARD FOR T9	1	PCS
	KEPC980KA1	KEY BOARD FOR T980K	1	PCS
	PWPC1942AUE2	POWER BOARD ASS'Y	1	PCS
	11G6038 1	CABLE MANAGEMENT HOOK	1	PCS
	15G5960 1	MAIN FRAME(SXGA)	1	PCS
	19G6006 1	STAND CLIP	1	PCS
	26G 800504 7	BARCODE	1	PCS
	33G4642 GM L	BUTTON FUNC	1	PCS
	33G4643 1	LENS-POWER	1	PCS
	33G4674 GM L	COVER 2 VESA	1	PCS
	34G1239BGN B	BEZEL	1	PCS
	34G1240 GM B	REAR COVER	1	PCS
	40G 191615 4C	ID LABEL	1	PCS
	40G 459786 5A	CANTION LABEL FOR AL172	1	PCS
	40G 58162435A	LABEL	1	PCS
	41G780061552B	QSG	1	PCS
	41G780061553A	TCO'03 CARD	1	PCS
	41G780061554A	SERVICE CENTER LIST	1	PCS
	44G3231 15	EVA WASHER	1	PCS
	44G3902 1	EPS(L)	1	PCS
	44G3902 2	EPS(R)	1	PCS
	44G3902615 1C	CARTON	1	PCS
	45G 76 28 RN	PE BAG FO MANUAL/BASE	1	PCS
	45G 76 31 RN	PR BAG FOR BASE	1	PCS
	45G 88626 1	PE BAG FOR MONITOR	1	PCS
	50G 600 2	HANDLE1	1	PCS
	50G 600 3	HANDLE2	1	PCS
	52G 1185	MIDDLE TAPE FOR CARTON	110	CM
	52G 1186	SMALL TAPE	8	CM
	52G 1207 A	ALUMINIUM TAPE	3	PCS
	52G6020 5	PROTECT FILM	1	PCS
	52G6025 11614	INSULATE SHEET	1	PCS
	70G1600615 9F	CD MANUAL	1	PCS

	85G 651 5	AMIN SHIELD	1	PCS
	89G 173 56507	AUDIO CABLE	1	PCS
	89G1748LAADVI	DVI CABLE	1	PCS
	89G404A18N YH	POWER CABLE	1	PCS
	95G8014 16 7	HARNESS	1	PCS
	95G8018 30 21	HARNESS	1	PCS
	M1G 140 10128	SCREW	4	PCS
	M1G 330 4128	SCREW M3X4	2	PCS
	M1G 330 6128	SCREW	4	PCS
	M1G1025 5120	SCREW M2.5X5	3	PCS
	M1G1140 6128	SCREW 4X6	1	PCS
	M1G1730 6128	SCREW M3x6	10	PCS
	Q1G 330 8120	SCREW 3X8mm	8	PCS
	750LLU90N02 1	AU 19" EN02 PANEL V2(20	1	PCS
	W33G4673AGM L	COVER VESA	1	PCS
E089B	89G 718LAA D	SIGNAL CABLE	1	PCS
AUPC980A3T				
	AUPC980A5SMT	AUDIO BOARD FOR SMT	1	PCS
C129	67G215B4713KT	LOW ESR 470UF16V BY HER	1	PCS
C130	67G215B4713KV	LOWESR 470UF 16V	1	PCS
CN101	33G800914K H	2*7PIN JUAL ROW RIGHT A	1	PCS
CN102	95G8014 4 9	HARNESS	1	PCS
CN104	33G8024 7B H	HEADER FEMALE 7P	1	PCS
	715L1178 1	AUDIO PCB BOARD	1	PCS
C101	65G0603221 32	CHIP 220PF 50V NPO	1	PCS
C103	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C105	65G0603105 17	1UF 16V Y5V	1	PCS
C106	65G0603105 17	1UF 16V Y5V	1	PCS
C107	65G0603105 17	1UF 16V Y5V	1	PCS
C108	65G0603105 17	1UF 16V Y5V	1	PCS
C109	65G0603105 17	1UF 16V Y5V	1	PCS
C110	65G0603105 17	1UF 16V Y5V	1	PCS
C111	65G0603105 17	1UF 16V Y5V	1	PCS
C112	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C113	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C114	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C115	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C117	65G0603102 32	1000PF +-10% 50V X7R	1	PCS

C118	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C120	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C121	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C122	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C123	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C125	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C126	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C127	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C128	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C136	65G0603105 17	1UF 16V Y5V	1	PCS
C137	65G0603101 31	CER1 0603 NP0 50V 100P	1	PCS
C138	65G0603101 31	CER1 0603 NP0 50V 100P	1	PCS
C142	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C143	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
L101	71G 59B121	TB160808B	1	PCS
L102	71G 59B121	TB160808B	1	PCS
L103	71G 57G601	TI3216JIG	1	PCS
L104	71G 57G601	TI3216JIG	1	PCS
L107	71G 57G601	TI3216JIG	1	PCS
L108	71G 57G601	TI3216JIG	1	PCS
R106	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R107	61L0603124	CHIP 120KOHM 1/10W	1	PCS
R110	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R112	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R113	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R122	61L0603124	CHIP 120KOHM 1/10W	1	PCS
R124	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R126	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
U101	56G 616 6	TPA3003D2PFBGR4 TQFP-48	1	PCS
CBPC980KAQAC1				
	AIC980KAQAC1	MAIN BOARD	1	PCS
	40G 45762412B	CBPC LABEL	1	PCS
C202	67G215B221 4H	LOW E.S.R 220UF +-20% 2	1	PCS
C204	67G215B221 4H	LOW E.S.R 220UF +-20% 2	1	PCS
CN201	33G800911U	WAFER	1	PCS
CN301	88G 35315FHAS	D-SUB 15PIN	1	PCS
CN302	88G 35424F HS	DVI CONN 24P	1	PCS
CN503	33G801724A H	PIN HEADER 24P 2.0mm	1	PCS

CN601	33G8022 14 H	PIN EADER	1	PCS
CN602	33G8027 16	WAFER 16PIN 2.0mm DIP	1	PCS
X401	93G 22 53	CRYSTAL 14.318MHzHC-49U	1	PCS
X601	93G 22 55 H	20MHZ/20PF/49US	1	PCS
	40G 457624 1B	LABEL-CPU	1	PCS
	715L1150 B	MAIN BOARD PCB	1	PCS
C201	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C203	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C205	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C206	65G0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C207	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C208	67G 312100 3	SMD 10UF +-20% 16V	1	PCS
C210	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C212	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C214	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C216	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C304	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C305	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C306	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C307	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C308	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C309	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C310	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C311	65G0603330 31	CER1 0603 NP0 50V 33P P	1	PCS
C312	65G0603221 31	CER1 0603 NP0 50V 220P	1	PCS
C313	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C314	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C401	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C402	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C403	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C404	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C405	67G 312100 3	SMD 10UF +-20% 16V	1	PCS
C406	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C407	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C408	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C409	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C410	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C411	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS

C412	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C413	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C414	67G 312100 3	SMD 10UF +-20% 16V	1	PCS
C415	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C416	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C417	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C418	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C419	67G 312100 3	SMD 10UF +-20% 16V	1	PCS
C420	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C421	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C422	67G 312100 3	SMD 10UF +-20% 16V	1	PCS
C423	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C424	67G 312100 3	SMD 10UF +-20% 16V	1	PCS
C425	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C426	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C427	67G 312100 3	SMD 10UF +-20% 16V	1	PCS
C428	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C509	67G 312220 3	SMD 22UF +-20% 16V	1	PCS
C510	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C511	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C601	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C602	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C603	67G 312100 3	SMD 10UF +-20% 16V	1	PCS
C604	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C605	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C606	65G0603102 31	CHIP 1000PF 50V NPO	1	PCS
C607	65G0603102 31	CHIP 1000PF 50V NPO	1	PCS
C608	65G0603102 31	CHIP 1000PF 50V NPO	1	PCS
C609	65G0603102 31	CHIP 1000PF 50V NPO	1	PCS
C610	65G0603102 31	CHIP 1000PF 50V NPO	1	PCS
C611	65G0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C612	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C613	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C614	65G0603102 31	CHIP 1000PF 50V NPO	1	PCS
C615	65G0603102 31	CHIP 1000PF 50V NPO	1	PCS
D201	93G1004 3	SS14	1	PCS
D202	93G1020 1 S	GS1D	1	PCS
D301	93G 6433P	BAV99 SOT-23	1	PCS

D302	93G 6433P	BAV99 SOT-23	1	PCS
D303	93G 6433P	BAV99 SOT-23	1	PCS
D304	93G 64 42 P	BAV70 SOT-23	1	PCS
D305	93G 64 42 P	BAV70 SOT-23	1	PCS
D314	93G 39147	TZMC5V6	1	PCS
D315	93G 39147	TZMC5V6	1	PCS
D316	93G 39147	TZMC5V6	1	PCS
D317	93G 39147	TZMC5V6	1	PCS
D318	93G 39147	TZMC5V6	1	PCS
D319	93G 39147	TZMC5V6	1	PCS
D320	93G 39147	TZMC5V6	1	PCS
D321	93G 39147	TZMC5V6	1	PCS
D601	93G 6432V	LL4148-GS08	1	PCS
FB201	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB301	71G 56U600	CHIP BEAD 60 OHM	1	PCS
FB302	71G 56U600	CHIP BEAD 60 OHM	1	PCS
FB303	71G 56U600	CHIP BEAD 60 OHM	1	PCS
FB304	71G 56G151 A	TB160808G151	1	PCS
FB401	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB402	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB403	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB404	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB405	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB406	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB601	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB602	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB603	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
Q201	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q202	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q203	57G 763 1	A03401 SOT23 BY AOS(A1)	1	PCS
Q204	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q601	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q602	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
R201	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R202	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R203	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R204	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R205	61L0603472	RST SM 0603 RC0603 4K7	1	PCS

R206	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R207	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R208	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R209	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R211	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R212	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R301	61L0603510	CHIP 51 OHM 5% 1/10W	1	PCS
R302	61L0603510	CHIP 51 OHM 5% 1/10W	1	PCS
R303	61L0603510	CHIP 51 OHM 5% 1/10W	1	PCS
R304	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R305	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R306	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R307	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R308	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R309	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R310	61L0603151	CHIPR 150 OHM +-5% 1/10	1	PCS
R311	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R312	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R313	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R314	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R315	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R316	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R317	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R318	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R319	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R320	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R321	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R322	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R323	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R324	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R325	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R326	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R327	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R401	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R402	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R403	61L0603390 0F	CHIP 390 OHM 1/10W 1%	1	PCS
R502	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R601	61L0603103	RST SM 0603 RC0603 10K	1	PCS

R602	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R603	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R604	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R605	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R606	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R607	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R608	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R609	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R613	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R614	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R615	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R616	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R617	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R618	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R619	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R620	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R621	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R622	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R623	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R624	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R625	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R626	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R627	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R630	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R633	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R634	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R635	61L0603101	RST SM 0603 RC0603 100R	1	PCS
RN601	61L 125103 8	CHIP AR 8P4R 10KOHM +-5	1	PCS
RN602	61L 125103 8	CHIP AR 8P4R 10KOHM +-5	1	PCS
U201	56G 585 5A	AP1117E25A	1	PCS
U202	56G 563 21	AP1084K33LA	1	PCS
U301	56G1133 34	M24C02-WMN6TP	1	PCS
U302	56G1133 34	M24C02-WMN6TP	1	PCS
U401	56G 562 52	MST8131A-LF PQFP-128	1	PCS
U601	56G1125137AS1	W78E65P-40 BY WINBOND	1	PCS
U602	56L1133516	M24C16-WMN6T	1	PCS
KEPC980KA1				
	KEPC980KA1SMT	KEY BOARD FOR T980K*	1	PCS

	715L1170 1	PCB BOARD	1	PCS
CN101	33G8023 8	WAFER 2.0MM 4PIN SMT	1	PCS
DP101	81G 14 4 HL	MAB10-1104GYC-C	1	PCS
R101	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R102	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R103	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R104	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R105	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
SW101	77L 604 2 TO	TACT SW BY TOUKE TS-9-T	1	PCS
SW102	77L 604 2 TO	TACT SW BY TOUKE TS-9-T	1	PCS
SW103	77L 604 2 TO	TACT SW BY TOUKE TS-9-T	1	PCS
SW104	77L 604 2 TO	TACT SW BY TOUKE TS-9-T	1	PCS
SW105	77L 604 2 TO	TACT SW BY TOUKE TS-9-T	1	PCS
PWPC1942AUE2				
	705L 980 65 02	19" C901 ASS'Y	1	PCS
	PW1942AUE2SMT	POWER BOARD ASS'Y FOR S	1	PCS
	40G 45762412B	CBPC LABEL	1.03	PCS
	52G6025 11672	MYLAR SHEET	1	PCS
	705L 560 61 06	R903 ASS'Y	1	PCS
	705L 780 57 14	Q901 ASS'Y	1	PCS
	705L 980 61 02	R914 ASS'Y	1	PCS
	705L 980 61 03	NR901 ASS'Y	1	PCS
	705L 980 87 01	CN901 ASS'Y	1	PCS
	705L 980 93 03	D910,D911 ASS'Y	1	PCS
	705L 980 95 01	J041 ASS'Y	1	PCS
BD901	93G 50460 16	U4KB80R	1	PCS
C101	67G215S471 3K	EC 470UF 16V	1	PCS
C103	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C106	67G215S471 3K	EC 470UF 16V	1	PCS
C108	67G215S471 3K	EC 470UF 16V	1	PCS
C215	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C216	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C217	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C218	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C902	65G305M1022EM	Y2 1000PF +-20% 250VAC	1	PCS
C903	63G107K474 US	0.47UF +-10%	1	PCS
C904	63G 10722410M	0.22 UF 250VAC	1	PCS
C905	67L305S15114K	E.C 105 CAP	1	PCS

C906	65G 2K152 5E6921	1500 PF 10% 2KV Y5P	1	PCS
C914	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C915	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C916	67G215S471 3K	EC 470UF 16V	1	PCS
C921	65G306M4722BP	4700PF +/-20% 400VAC	1	PCS
C950	65G306M3322BP	3300PF 20%	1	PCS
CN201	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CN202	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CN204	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CN205	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CN301	88G 30210K E	PHONE JACK 5PIN	1	PCS
CN303	33G8017 7DHXY	WAFER	1	PCS
CN902	95G8021 12510	WIRE HARNESS	1	PCS
D901	93G 6026T52T	RECTIFIER DIODE FR107	1	PCS
D902	93G 6038T52T	FR103	1	PCS
F901	84G 7H200 SL	250V/2A LIHEL FUSE	1	PCS
IC902	56G 139 3A	PC123Y22FZOF	1	PCS
L101	73G 253152 T	CHOKE COIL TDK LSHAO03C	1	PCS
L201	73G 253139 HA	CHOKE COIL	1	PCS
L202	73G 253139 HA	CHOKE COIL	1	PCS
L203	73G 174 35YSA	FILTER	1	PCS
L204	73G 174 35YSA	FILTER	1	PCS
L901	73L 174 29LSH	LINE FILTER	1	PCS
L903	73G 253 91 LS	CHOKE BY LI SHIN	1	PCS
PT201	80LL19T 1DNH	TRANSFORMER	1	PCS
PT202	80LL19T 1DNH	TRANSFORMER	1	PCS
Q209	57G 761 7	KTD1691P	1	PCS
Q210	57G 761 7	KTD1691P	1	PCS
Q211	57G 761 7	KTD1691P	1	PCS
Q212	57G 761 7	KTD1691P	1	PCS
R224	61G 208102 64	1KOHM 5% 1W	1	PCS
R226	61G 208102 64	1KOHM 5% 1W	1	PCS
R228	61G 208102 64	1KOHM 5% 1W	1	PCS
R230	61G 208102 64	1KOHM 5% 1W	1	PCS
T901	80LL19T 3 TG	TRANSFORMER	1	PCS
	96G 29 8	TUBE	14	MM
C901	65G305M3322BP	3300PF 250VAC/400VAC	1	PCS
	PWPC1942AUE2AI	POWER BOARD ASS'Y FOR A	1	PCS

C102	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C107	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C112	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C114	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C115	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C202	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C203	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C209	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C210	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C211	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C212	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C219	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C220	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C224	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C225	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C320	65G0603331 32	CHIP 330PF 50V X7R	1	PCS
C321	65G0603331 32	CHIP 330PF 50V X7R	1	PCS
C908	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C910	65G0805102 31	1000PF 50V NPO	1	PCS
C911	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C912	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C913	65G1206102 72	CHIP 1000PF 500V X7R	1	PCS
C917	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C918	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C922	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
D101	93G3004 2	SR34 PAN JIT	1	PCS
D201	93G2004 2A	SM240A DO-214AC	1	PCS
D202	93G2004 2A	SM240A DO-214AC	1	PCS
D203	93G 39S 3 T	BZT52-C11	1	PCS
D204	93G 39S 3 T	BZT52-C11	1	PCS
D903	93G 6432P	LL4148	1	PCS
F902	61L1206000 4	0 OHM 4A 1/4W	1	PCS
IC101	56G 379 37	FP5001DR	1	PCS
IC901	56G 379 33	SG6841SZ	1	PCS
L302	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
L308	71G 59B601 EA	CHIP BEAD 600 OHM	1	PCS
L309	71G 59B601 EA	CHIP BEAD 600 OHM	1	PCS
Q101	57G 763 3	AO4411 SO-8	1	PCS

Q102	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q103	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q201	57G 760 5A	DTC 144WN3/S SOT-23	1	PCS
Q202	57G 760 4A	DTA144WN3/S SOT-23	1	PCS
Q203	57G 763 3	AO4411 SO-8	1	PCS
Q204	57G 763 3	AO4411 SO-8	1	PCS
Q205	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q206	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q207	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q208	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q902	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q903	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
R106	61L0603333	CHIP 33K OHM 1/10W	1	PCS
R107	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R108	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R109	61L0603302	CHIPR 3K OHM +-5% 1/10W	1	PCS
R110	61L0603360 1F	CHIP 3.6KOHM 1% 1/10W	1	PCS
R113	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R114	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R115	61L0603220	RST SM 0603 RC0603 22R	1	PCS
R116	61L0603332	CHIP 3.3K OHM 1/10W	1	PCS
R208	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R209	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R212	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R213	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R215	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R216	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R217	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R218	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R243	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R244	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R901	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R902	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R904	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R905	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R906	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R908	61L1206519	CHIPR 5.1OHM +-5% 1/4W	1	PCS
R910	61L1206000	RST SM 1206 JUMP MAX 0R	1	PCS

R911	61L0805240 2F	CHIP 24KOHM 1% 1/8W	1	PCS
R912	61L0805203	CHIPR 20KOHM +-5% 1/8W	1	PCS
R916	61L0805472	CHIRP 4.7K OHM +-5% 1/8	1	PCS
R917	61L0805101	CHIPR 100 OHM +-5% 1/8W	1	PCS
R918	61L0805472	CHIRP 4.7K OHM +-5% 1/8	1	PCS
R919	61L1206470	CHIP 470OHM 5% 1/4W	1	PCS
R920	61L1206470	CHIP 470OHM 5% 1/4W	1	PCS
R921	61L1206471	CHIPR 470 OHM+-5% 1/4W	1	PCS
R922	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R923	61L0805000	CHIP O OHM 1/8W	1	PCS
R924	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R925	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R926	61L0805931 1F	CHIP 9.31K OHM 1/8W 1%	1	PCS
R927	61L0805243 1F	CHIP 2.43K OHM 1/8W 1%	1	PCS
U201	56G 608 1	TL1451ACD	1	PCS
ZD901	93G 39S 12 T	RLZ20B LLDS	1	PCS
ZD902	93G 39S 17 T	RLZ12B LLDS	1	PCS
	715G1142 4AUE	POWER BOARD	1	PCS
C201	67G 2152213KT	220UF 16V	1	PCS
C204	65G 450104 7T	0.1UF +80-20% 50V Y5V	1	PCS
C205	65G 450104 7T	0.1UF +80-20% 50V Y5V	1	PCS
C206	65G 450104 7T	0.1UF +80-20% 50V Y5V	1	PCS
C207	67G 305330 7T	33UF 105	1	PCS
C208	65G 44233113T	330PJNPO 50V	1	PCS
C221	64G701J4740AT	0.47uF 50V	1	PCS
C222	64G701J4740AT	0.47uF 50V	1	PCS
C223	67G 2152213KT	220UF 16V	1	PCS
C905	6G 31502	1.5MM RIVET	2	PCS
CN901	6G 31500	EYELET	2	PCS
D205	93G 64 1152T	1N4148	1	PCS
D206	93G 64 1152T	1N4148	1	PCS
D207	93G 64 1152T	1N4148	1	PCS
D208	93G 64 1152T	1N4148	1	PCS
D209	93G 64 1152T	1N4148	1	PCS
D210	93G 64 1152T	1N4148	1	PCS
FB101	71G 55 29	FERRITE BEAD	1	PCS
FB901	71G 55 29	FERRITE BEAD	1	PCS
IC903	56G 158 4 T	H431BA	1	PCS

J032	71G 55 19 T	FERRITE BEAD D9X3. 5X0.	1	PCS
J054	71G 55 29	FERRITE BEAD	1	PCS
L902	6G 31502	1.5MM RIVET	4	PCS
NR901	6G 31502	1.5MM RIVET	2	PCS
PT201	6G 31502	1.5MM RIVET	2	PCS
PT202	6G 31502	1.5MM RIVET	2	PCS
R111	61G 21015352T	15KOHM 1% 1/6W	1	PCS
R112	61G 60227252T	2.7KOHM 5% 1/6W	1	PCS
R201	61G 60220352T	CFR 20K OHM+-5% 1/6W	1	PCS
R202	61G 60210352T	CFR 10KOHM +-5% 1/6W	1	PCS
R203	61G 60210352T	CFR 10KOHM +-5% 1/6W	1	PCS
R204	61G 60210352T	CFR 10KOHM +-5% 1/6W	1	PCS
R205	61G 60247352T	47KOHM 5% 1/6W	1	PCS
R206	61G 60247352T	47KOHM 5% 1/6W	1	PCS
R210	61G 60215352T	15KOHM 5% 1/6W	1	PCS
R211	61G 60215352T	15KOHM 5% 1/6W	1	PCS
R214	61G 60222252T	2.2K 5% 1/6W	1	PCS
R219	61G 60210152T	100OHM +- 5% 1/6W	1	PCS
R220	61G 60215352T	15KOHM 5% 1/6W	1	PCS
R221	61G 60215352T	15KOHM 5% 1/6W	1	PCS
R222	61G 60212352T	12KOHM 5% 1/6W	1	PCS
R223	61G 60212352T	12KOHM 5% 1/6W	1	PCS
R232	61G 60210252T	CFR 1K OHM +-5% 1/6W	1	PCS
R233	61G 60210252T	CFR 1K OHM +-5% 1/6W	1	PCS
R234	61G 17291152T	910OHM +-5% 1/4W	1	PCS
R235	61G 17291152T	910OHM +-5% 1/4W	1	PCS
R236	61G 60268152T	680 OHM 5% 1/6W	1	PCS
R237	61G 60268152T	680 OHM 5% 1/6W	1	PCS
R238	61G 60212352T	12KOHM 5% 1/6W	1	PCS
R239	61G 60212352T	12KOHM 5% 1/6W	1	PCS
R240	61G 60251352T	51KOHM +-5% 1/6W	1	PCS
R241	61G 60251352T	51KOHM +-5% 1/6W	1	PCS
R907	61L214Y10552T	1M,1/4W	1	PCS
R909	61G 17247052T	47OHM 5% 1/4W	1	PCS
R913	61G 17220352T	20KOHM 5% 1/4W	1	PCS
R915	61G 17230352T	30K OHM5%1/4W	1	PCS
T901	6G 31502	1.5MM RIVET	4	PCS
	96G 29 6	SHRINK TUBE UL/CSA	20	MM

R903	61G152M10458F	100K OHM 5% 2W	1	PCS
	90G 415 1	HEATSHINK FOR Q901	1	PCS
	M1G1730 8128	SCREW M3x8	1	PCS
Q901	57G 724 4A	STP9NK60ZEP	1	PCS
	96G 29 6	SHRINK TUBE UL/CSA	1	PCS
R914	61G 2J22858H	0.22OHM 2W +-5%	1	PCS
NR901	61G 58050 WT	NTC 5 OHM 5A	1	PCS
	95G 900 42	WIRE HARNESS	1	PCS
	96G 29 6	SHRINK TUBE UL/CSA	1	PCS
CN901	87G 501 19 RF	AC SOCKET	1	PCS
	90G6081400	HEAT SINK	1	PCS
	M1G1730 8128	SCREW M3x8	2	PCS
D910	93G 60237	SRF20100C	1	PCS
D911	93G 60237	SRF20100C	1	PCS
	96G 29 1	SHRINK TUBE UL/CSA	12	MM
	Q1G 330 8120	SCREW 3X8mm	3	PCS
	CNPC980A3	CNPC BOARD	1	PCS
	5G6012 1	LIFT-RUBBER	1	PCS
	12G 394 3	RUBBER FOOT	4	PCS
	15G5962 1	BASE PLATE	1	PCS
	15G6050 1	BRACKET	3	PCS
	19G 574500	SPRING	1	PCS
	33G4647 GM L	COVER TILT	1	PCS
	33G4648 GM L	COVER STAND	1	PCS
	33G4650 1 X	HOLDER SPRING	1	PCS
	34G1241 GM B	SPK BOX COVER-F	1	PCS
	34G1242 GM B	SPK BOX COVER -R	1	PCS
	34G1243 GM B	STAND	1	PCS
	34G1244 GM B	STAND LIFT	1	PCS
	34G1245 GM B	BASE	1	PCS
	37G 478 1	HINGE ASS'Y	1	PCS
	78G 327 1 L	SPEAKER	1	PCS
	78G 327 1 R	SPEAKER	1	PCS
	M1G 330 6 47	SCREW	2	PCS
	Q1G 130 8120	SCREW	6	PCS
	Q1G 130 12120	SCREW 3MMX12	4	PCS
	Q1G 130 12120	SCREW 3MMX12	2	PCS
	Q1G 330 8120	SCREW 3X8mm	2	PCS

	Q1G1030 8128	SCREW	4	PCS
	W33G4646 GM L	COVER LIFT	1	PCS
	W33G4649 GM T	HOLDER LIFT	1	PCS
CNPC980A3				
	715L1131 1 17	PCB	1	PCS
CN301	33G3802 4H	WAFER 4P RIGHT ANGLE	1	PCS
CN302	33G3802 2H	WAFER 2P RIGHT ANGLE	1	PCS
CN303	33G3802 2H	WAFER 2P RIGHT ANGLE	1	PCS
FB301	71G 55502	CORE RF BEAD	1	PCS
FB302	71G 55502	CORE RF BEAD	1	PCS

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