

SERVICE MANUAL

维修手册

客户/品牌

AOC

机种名

E950SW



本手册适用于主板 715G4737, Scalar IC RTD2270LW

变更说明

[illegible]

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1.显示器规格

1.1 技术规格

Monitor	Model	AOC e950SW*
LCD Panel	Driving system	TFT Color LCD
	Active Display Area	18.5" 408.24mm (W)×255.15mm(H)
	Pixel Pitch	0.3 mm×0.3mm
Input	Video	R,G,B Analog Interface, 75ohm,0.7V
	Separate Sync.	H/V TTL
	H-Frequency	30kHz—81kHz
	V-Frequency	56Hz--75Hz
Input Connector		D-Sub 15pin
Display Colors		16.7M Colors
Dot Clock		136.75MHz
Max. Resolution		1366 x 768@60Hz
Plug & Play		VESA DDC2B DDC/CI
Power Consumption	ON Mode	<25W
	Power Saving Mode	<1W
	Switch OFF	<0.5W
Power Source		90~264VAC,47~63Hz, 1.5A Max supply current
Environmental Considerations		Operating Temp: 0° to 40°C Storage Temp.: -20° to 60°C Operating Humidity : 8% to 80%
Dimensions(including stand)		456.75(W)×375.5(H)×149.8 (D)mm
Weight (N. W.):		3.50kg
Safety		FCC B CE mark CCC IEC950CB etc.

1.2 工厂预设模式

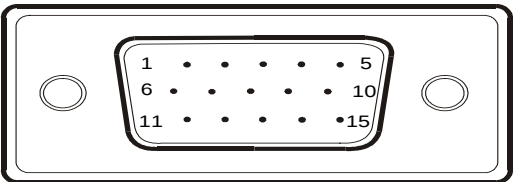
标准	分辨率	行频	场频
Dos-模式	720 × 400	31.47kHz	70Hz
VGA	640 × 480	31.47kHz	60Hz
	640 × 480	31.47kHz	67Hz
	640 × 480	31.47kHz	72Hz
	640 × 480	37.50kHz	75Hz
SVGA	800 × 600	37.879kHz	56Hz
	800 × 600	37.879kHz	60Hz
	800 × 600	46.875kHz	72Hz
	800 × 600	46.875kHz	75Hz
	832 × 624	49.725kHz	75Hz
XGA	1024 × 768	48.363kHz	60Hz
	1024 × 768	56.476kHz	70Hz
	1024 × 768	60.02kHz	75Hz
SXGA	1280 × 720	44.77kHz	59.85Hz
WXGA	1360×768	47.712 kHz	60.0 Hz
WXGA	1366×768	47.712 kHz	59.79 Hz

1.3 本机特点

- 18.5" W LCD，VGA 接口，LED 背光，最大分辨率 1366 x 768/60Hz，
- 动态对比度 20M:1，5 个用户模式，新型 OSD 界面；

1.4 接口说明

VGA connector

Pin No.	Description	Pin No.	Description
1.	Red Input	9.	+5VDC
2.	Green Input	10.	GND
3.	Blue Input	11.	GND
4.	GND	12.	SDA- DDC-Serial Data
5.	Connection detect	13.	H Sync
6.	Red GND	14.	V Sync
7.	Green GND	15.	SCL- DDC-Serial Clock
8.	Blue GND		
VGA Connector layout			

1.5 面板特性

ITEMS	Unit	SPECIFICATIONS
Screen Diagonal	[mm]	470.1(18.51")
Active Area	[mm]	409.8 (H) x 230.4 (V)
Pixels H x V		1366(x3) x 768
Pixel Pitch	[um]	300 (per one triad) x 300
Pixel Arrangement		R.G.B. Vertical Stripe
Display Mode		TN Mode, Normally White
White Luminance (Center)	[cd/m ²]	250 cd/m ² (Typ.)
Contrast Ratio		1000 (Typ.)
Optical Response Time	[msec]	5ms (Typ., on/off)
Nominal Input Voltage VDD	[Volt]	+5.0 V (Typ)
Power Consumption (VDD line + LED line)	[Watt]	10.5 (Typ.) (without inverter, all black pattern)
Weight	[Grams]	1290 (Typ)
Physical Size	[mm]	430.4 (W) x 254.6 (H) Typ. x 9.9 (D) Typ
Interface		One channel LVDS
Support Color		16.7M colors (RGB 6-bit + Hi_FRC)
Surface Treatment		Anti-Glare, 3H
Temperature Range		
Operating	[°C]	0 to +50
Storage (Shipping)	[°C]	-20 to +60
RoHS Compliance		RoHS Compliance

Symbol	Parameter	Min	Typ	Max	Unit	Conditions
VDD	Logic/LCD Drive Voltage	4.5	5.0	5.5	[Volt]	+/-10%
IDD	Input Current	-	0.45	0.5	[A]	VDD= 5.0V, All Black Pattern At 60Hz,
PDD	VDD Power	-	2.25	2.5	[Watt]	VDD= 5.0V, All Black Pattern At 60Hz
IRush	Inrush Current	-	-	3	[A]	Note 1
VDDrp	Allowable Logic/LCD Drive Ripple Voltage	-	-	350	[mV] p-p	VDD= 5.0V, All Black Pattern At 60Hz

Symbol	Parameter	Min.	Typ.	Max.	Unit	Note
IR _{LED}	LED Operation Current	57	60	63	[mA] Note 1	Operating with fixed driving current
V _{LB}	Light Bar Operation Voltage (for reference)	30	34	36	[Volt] Note 2	
P _{BLU}	BLU Power consumption (for reference)	6.8	8.2	9.1	[Watt]	
LT _{LED}	LED life Time	30000	-	-	[Hour] Note 3	

1.6 面板连接器

CN1: LVDS 连接器

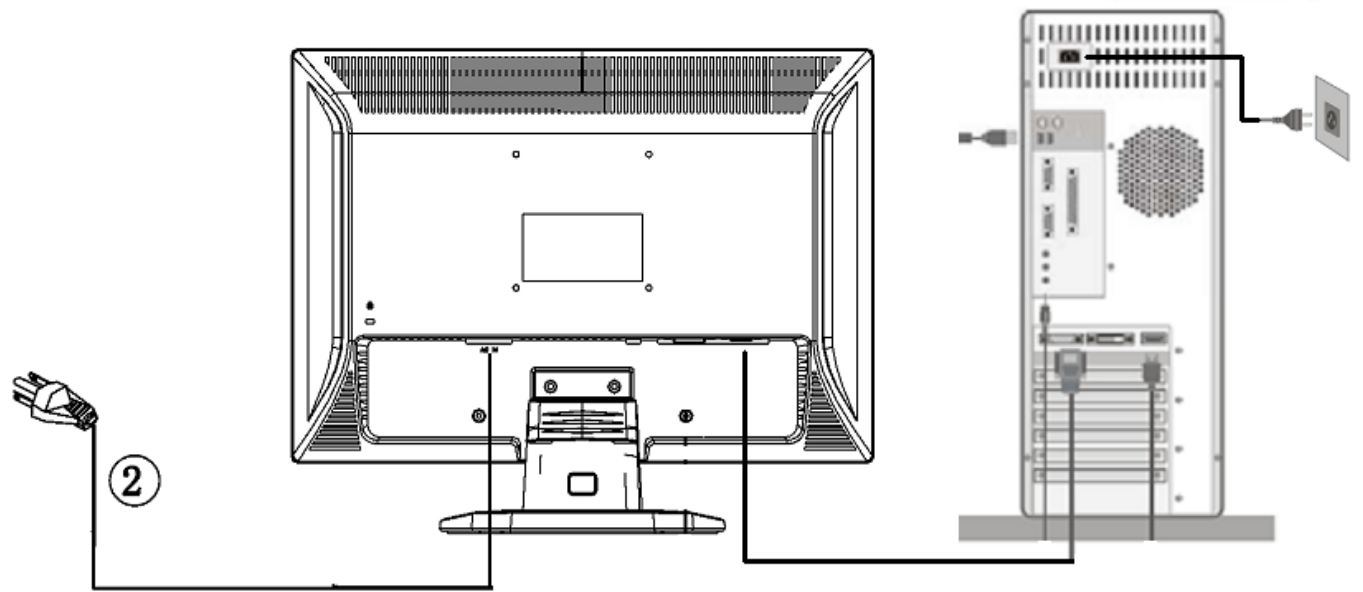
Pin#	Signal Name	Pin#	Signal Name
1	NC	2	NC
3	NC	4	GND
5	RXIN0-	6	RXIN0+
7	GND	8	RXIN1-
9	RXIN1+	10	GND
11	RXIN2-	12	RXIN2+
13	GND	14	RXCLKIN-
15	RXCLKIN+	16	GND
17	RXIN3-	18	RXIN3+
19	GND	20	NC
21	NC	22	NC
23	GND	24	GND
25	GND	26	VCC
27	VCC	28	VCC
29	VCC	30	VCC

CN2: LED 背光连接器

Pin no.	Signal name
1	IRLED (current out)
2	IRLED (current out)
3	VLED (voltage in)
4	VLED (voltage in)
5	IRLED (current out)
6	IRLED (current out)

2.操作说明

2.1 连接显示器



- 将 VGA 信号线①连接到计算机 PC 显卡输出端 。
- 接好电源线②。
- 功能按键位于前面板下方。按电源开关即可开关显示器。通过调节这些功能键可得到您需要的画面。

2.2 控制按钮

	Icon	Control	Description
1		Power Button	Power ON/OFF,and power indicator(Blue and Orange).
2	MENU	Menu /Enter/OK	Active main menu while no OSD display,enter next level on main menu or sub menu status, or enter last level on adjustment bar.Continued pressing 10 seconds will lock menu or un-lock menu.
3	AUTO	Auto Adjustment DDC-CI Exit	If there is no any OSD, it is auto configuration. Pressed till 10 seconds, will enable/disable the DDC/CI. Exit current OSD return to last level.
4	+	Decrease - adjusting	OSD, it will decrease current value of bar, or move to last item of menu. If there is no any OSD,Direct access to display mode
5	-	Increase + adjusting	OSD, it will increase current value of bar, or move to next item of menu. If there is no any OSD,changing Full srceen



前面板控制

电源开关：

按此键开/关显示器的电源, 并显示机器所处的状态。

电源指示灯

绿色或蓝色— 开机状态；橙色或红色— 待机状态

菜单键MENU/选择：

激活OSD菜单或功能调整确认。

左右选择：

按左右键切换所需要的菜单选项。

自动调节键/退出：

当OSD菜单为关闭状态时，请按住此按钮两秒以上，以激活自动调整功能。当OSD菜单为开启状态时，请按住此按钮两秒以上，以退出OSD菜单。

（自动调节功能将自动设置水平位置，垂直位置，时钟和相位）

OSD-锁定功能：

要锁定 OSD，请在显示器关闭时按住 MENU 按钮，然后按电源按钮打开显示器。要解锁 OSD，请在显示器关闭时按住 MENU 按钮，然后按电源按钮打开显示器。



2.3 OSD 菜单调整

- 按 MENU 按钮激活 OSD 窗口。
- 按 < 或 > 浏览这些功能。 如果想要调整的功能突出显示，按 MENU 按钮激活它。如果所选的功能包含有子菜单，再按一下 < 或 > 可以浏览到子菜单功能。如果想要调整的功能突出显示，按 MENU 按钮激活它。
- 按 < 或 > 更改所选功能的设置。
- 要退出和保存，请选择退出功能。 如果您想调整其它任何功能，请重复步骤 2-3。



明亮度	调整数值	说明
亮 度	0-100	调整显示亮度
对比度	0-100	调整显示对比度
Eco Mode	标准	正常使用模式
	文本	文本应用模式
	网络	网络应用模式
	游戏	游戏应用模式
	电影	观赏电影应用模式
	运动	观赏户外运动模式
伽马	伽马 1	调整为伽马值 1
	伽马 2	调整为伽马值 2
	伽马 3	调整为伽马值 3
动态对比度	禁用	关闭动态对比度
	启用	开启动态对比度



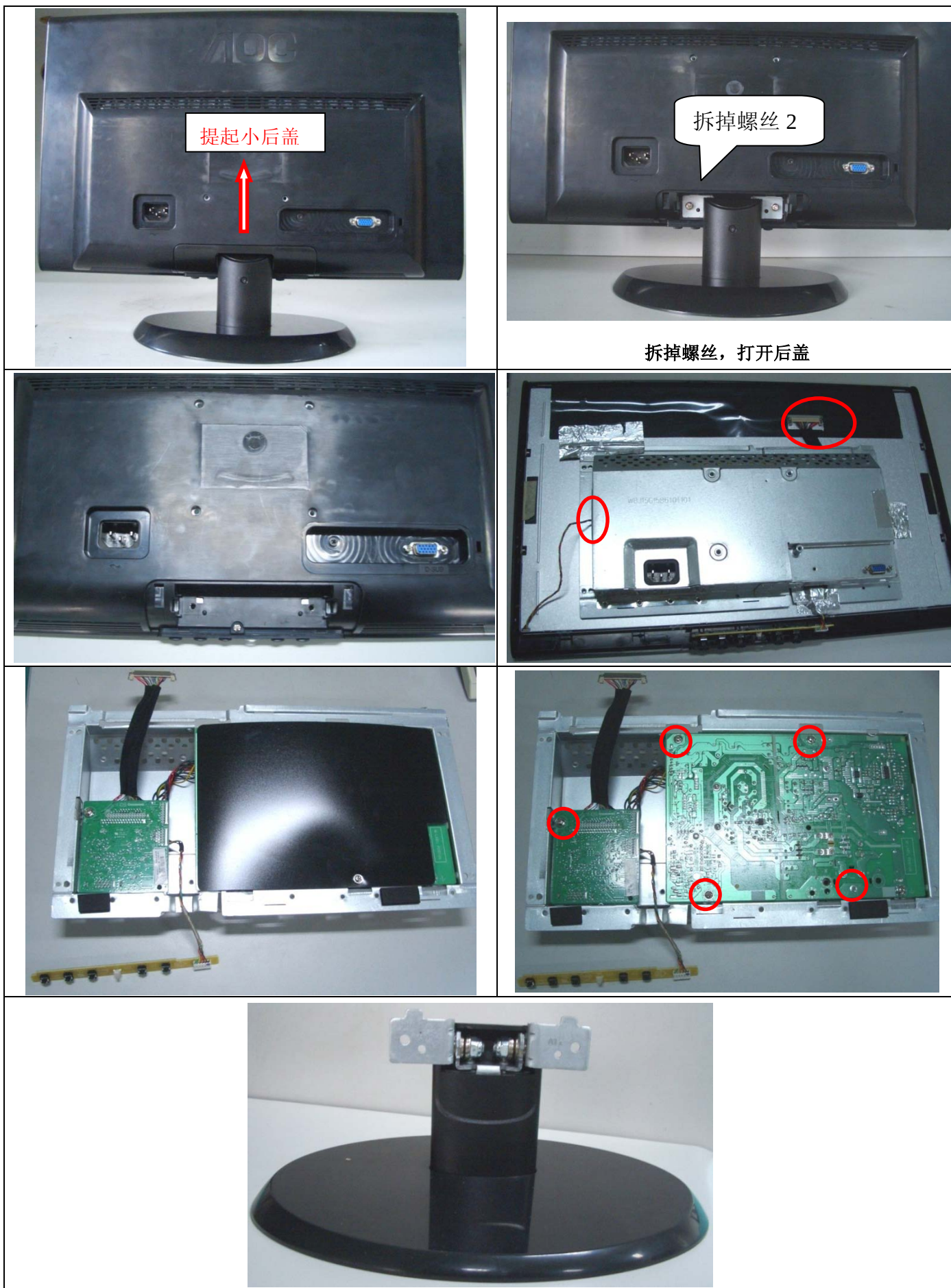
图象设置		
时钟	0-100	调整图片时钟以降低垂直线噪声
聚焦	0-100	调整图片相位以降低水平线噪声
水平位置	0-100	调整图片的水平位置
垂直位置	0-100	调整图片的垂直位置

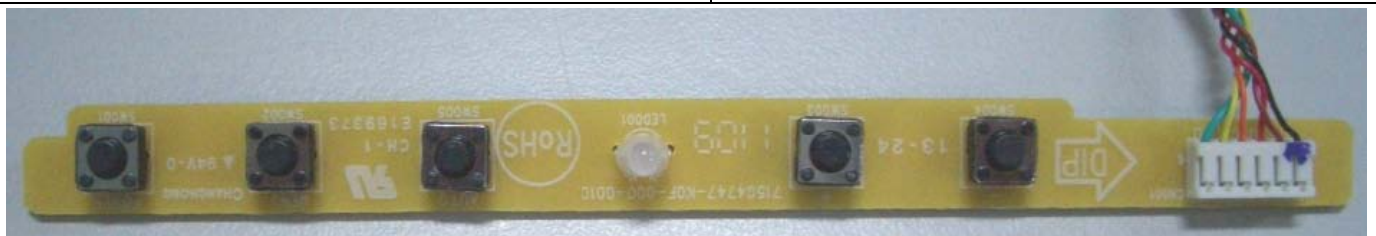
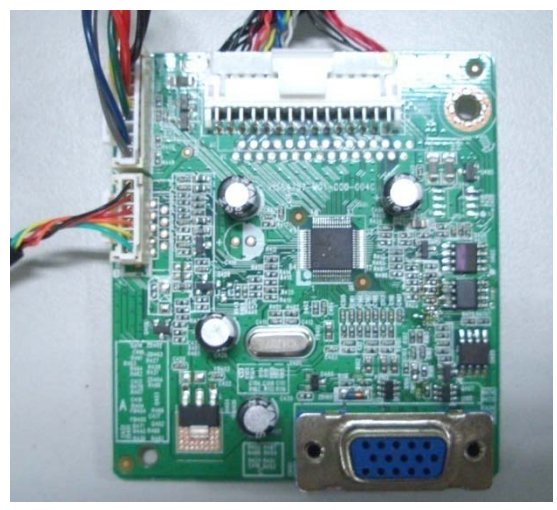
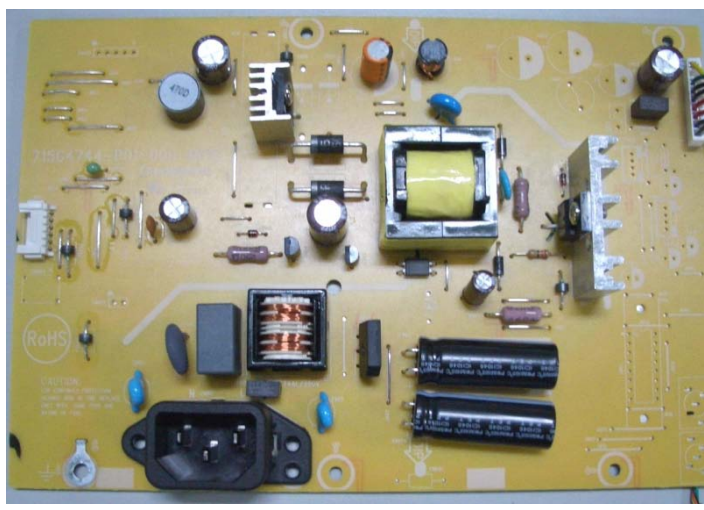


颜色调整		
暖色温		设置为暖色温
常规色		设置为常规色温

冷色温		设置为冷色温
sRGB		设置为 sRGB
使用者设定	微调 蓝	微调蓝色色温
	微调 绿	微调绿色色温
	微调 红	微调红色色温
	自定义黄	微调黄色色温
	自定义蓝	微调青色色温
	自定义红	微调粉红色色温
		
窗口增亮		
窗口尺寸	14-100	调整窗口尺寸大小
亮度	0-100	调整窗口亮度
对比度	0-100	调整窗口增强对比度
色相	0-100	调整窗口色相
饱和度	0-100	调整窗口颜色饱和度
位置	水平位置	调整水平窗口位置
	垂直位置	调整垂直窗口位置
增亮	禁用/启用	开启或关闭增亮窗口
		
OSD 设置		
水平位置	0-100	调整 OSD 水平位置
垂直位置	0-100	调整 OSD 垂直位置
OSD 显示时间设定	5-100	调整 OSD 显示时间
语言		选择 OSD 语言
		
其它		
自动调整	是或者否	自动调整画面
重置	是或者否	恢复到出厂设置
退出/DDC-CI		打开/关闭 DDC-CI 支持
宽普切换		Full/4:3
Aspect Control		
显示信息		显示输入信号信息

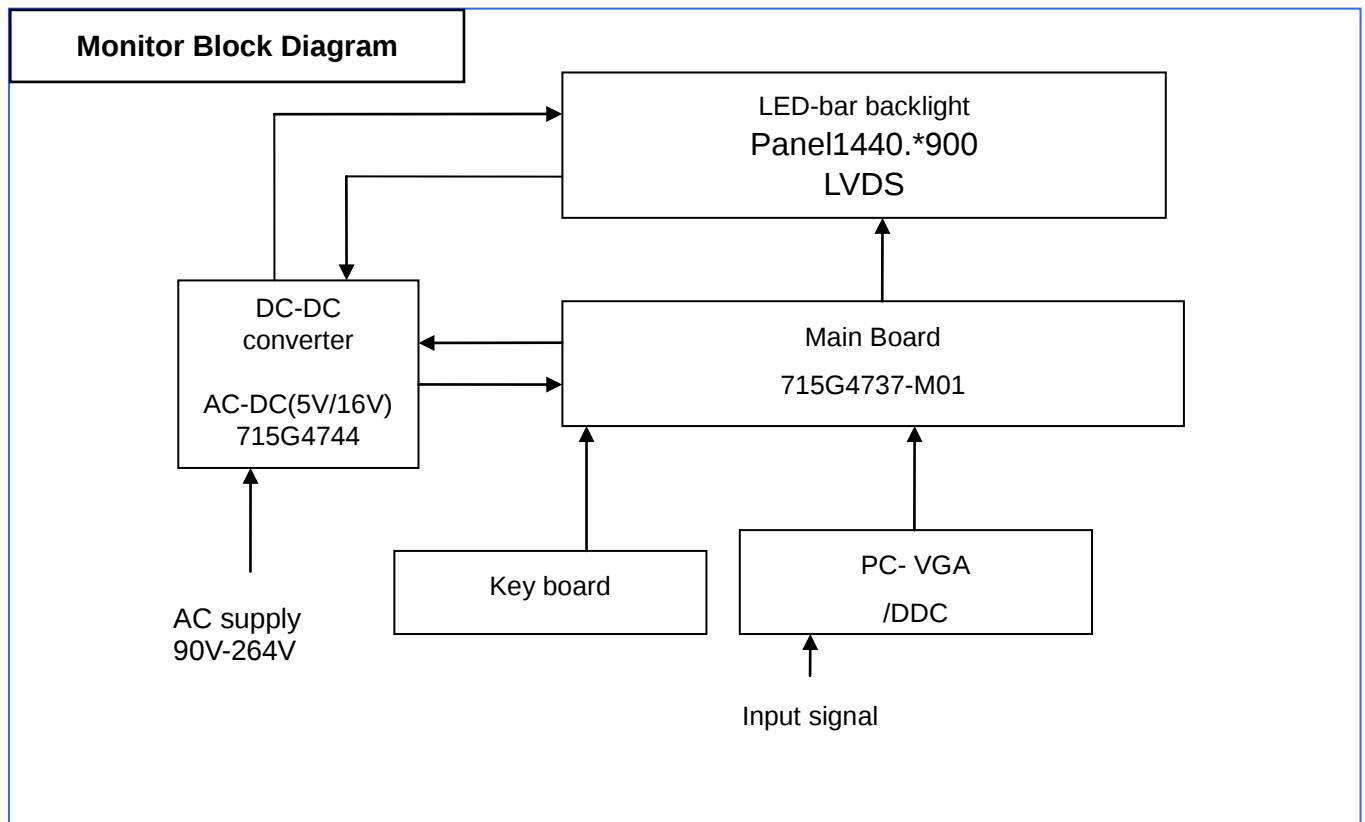
3.机构拆解图示



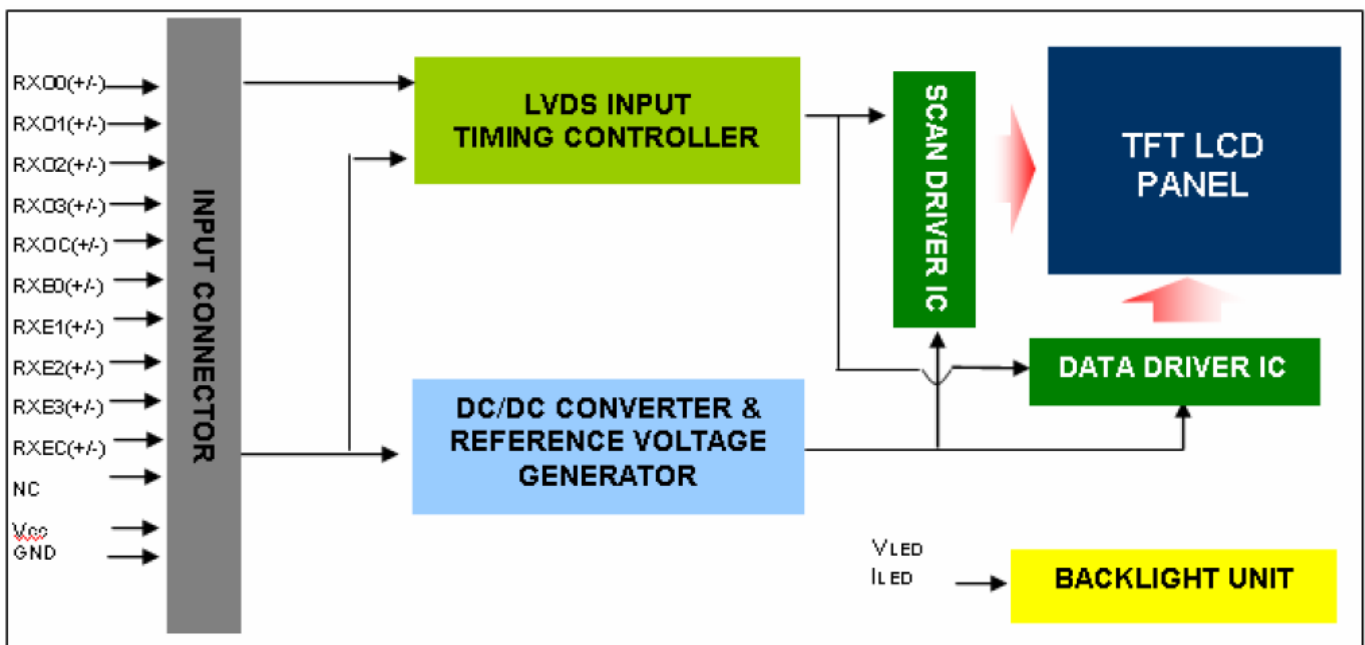


4. 电气方框图

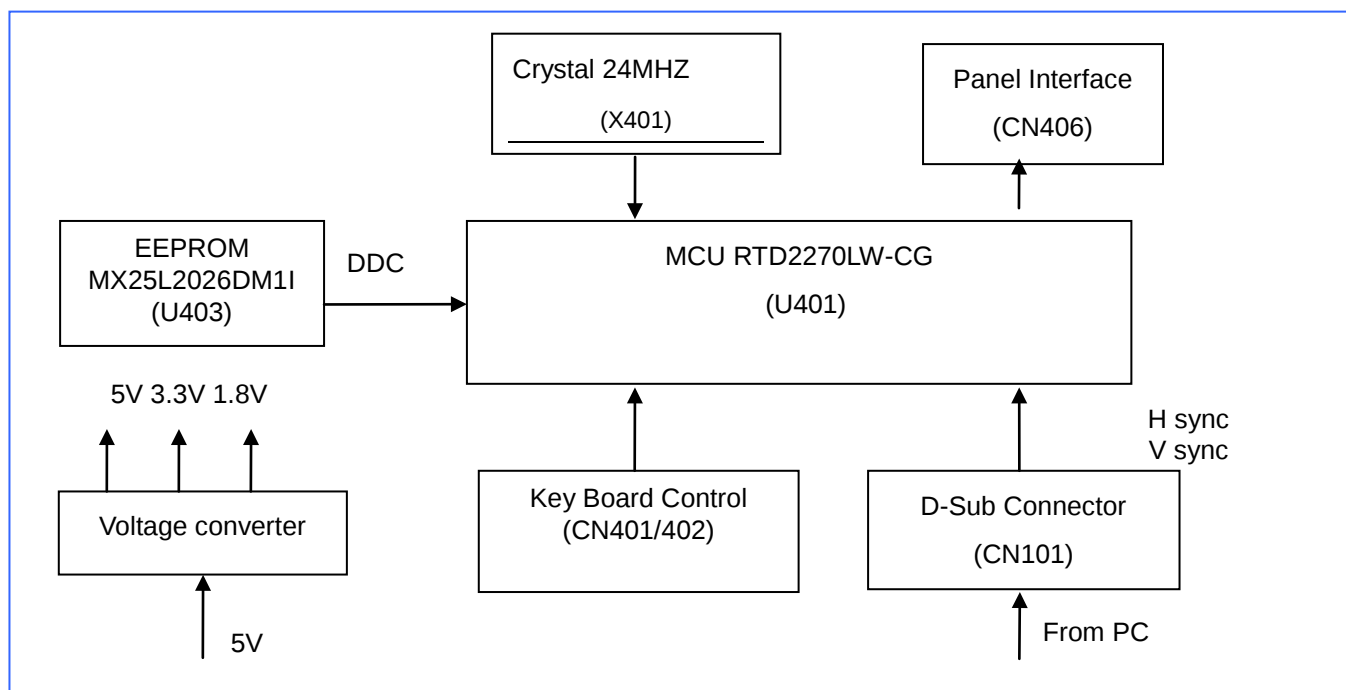
4.1 LCD 整机方框图



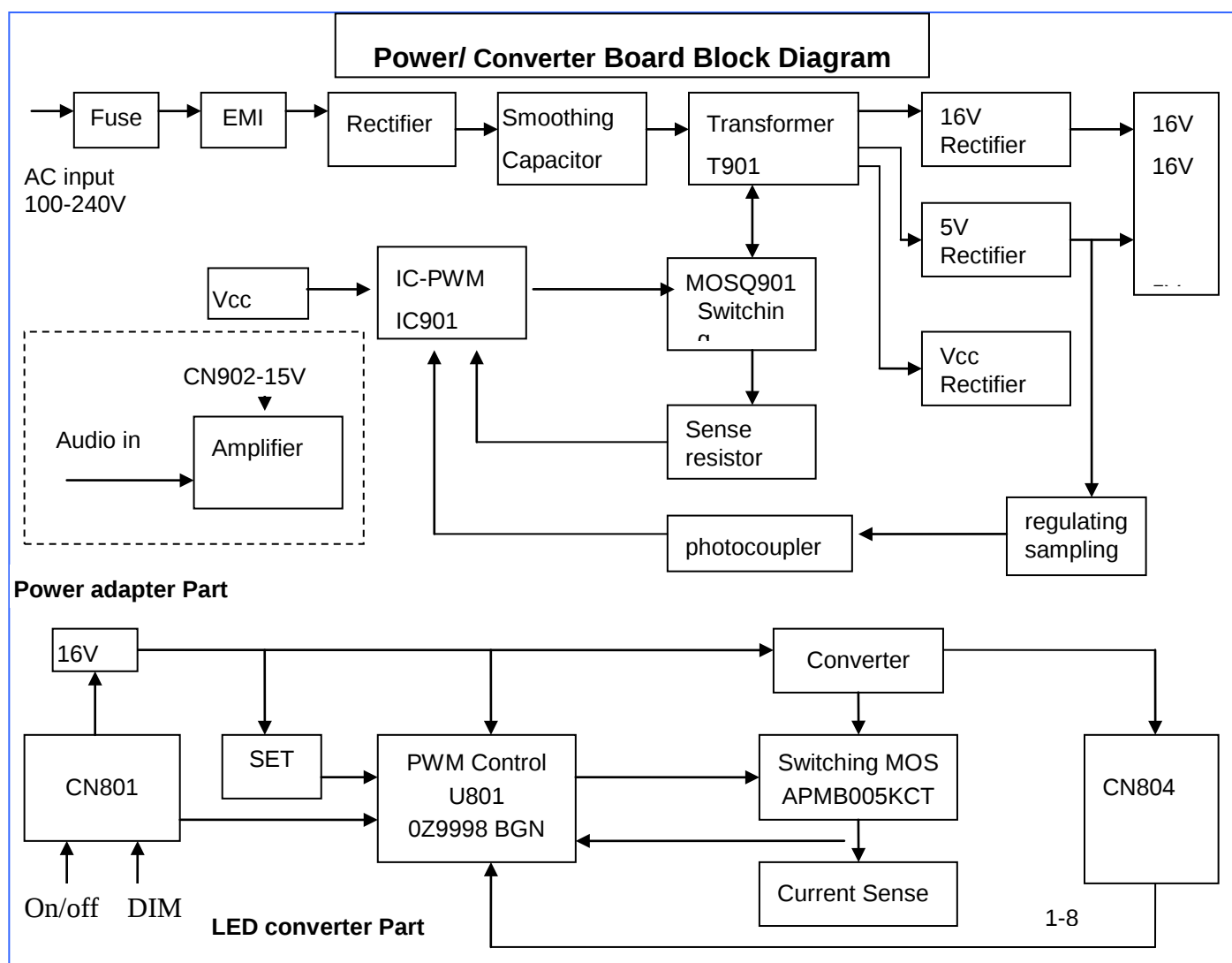
4.2 Panel 方框图



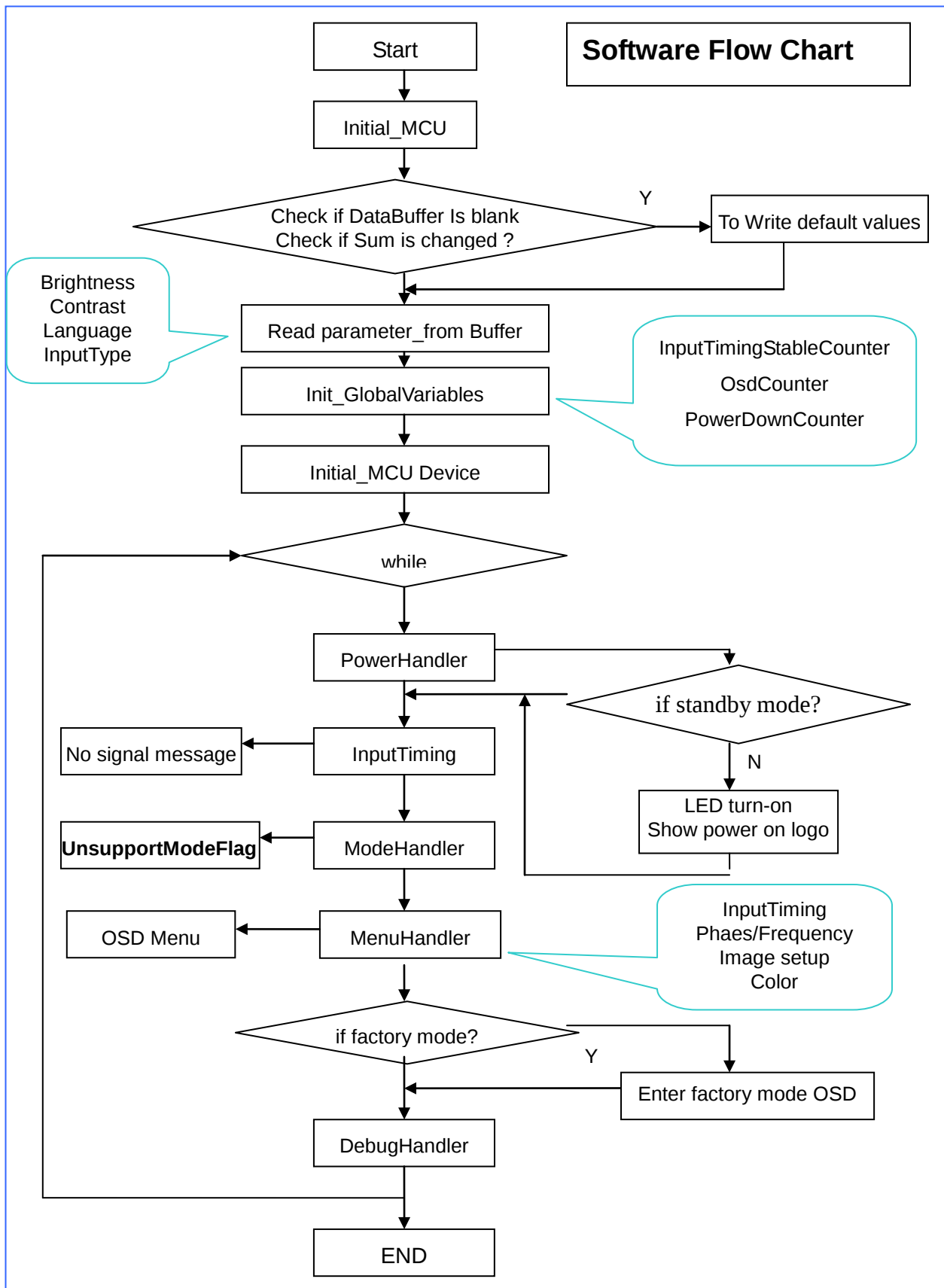
4.3 Main 主板方框图



4.4 Power 电源板方框图



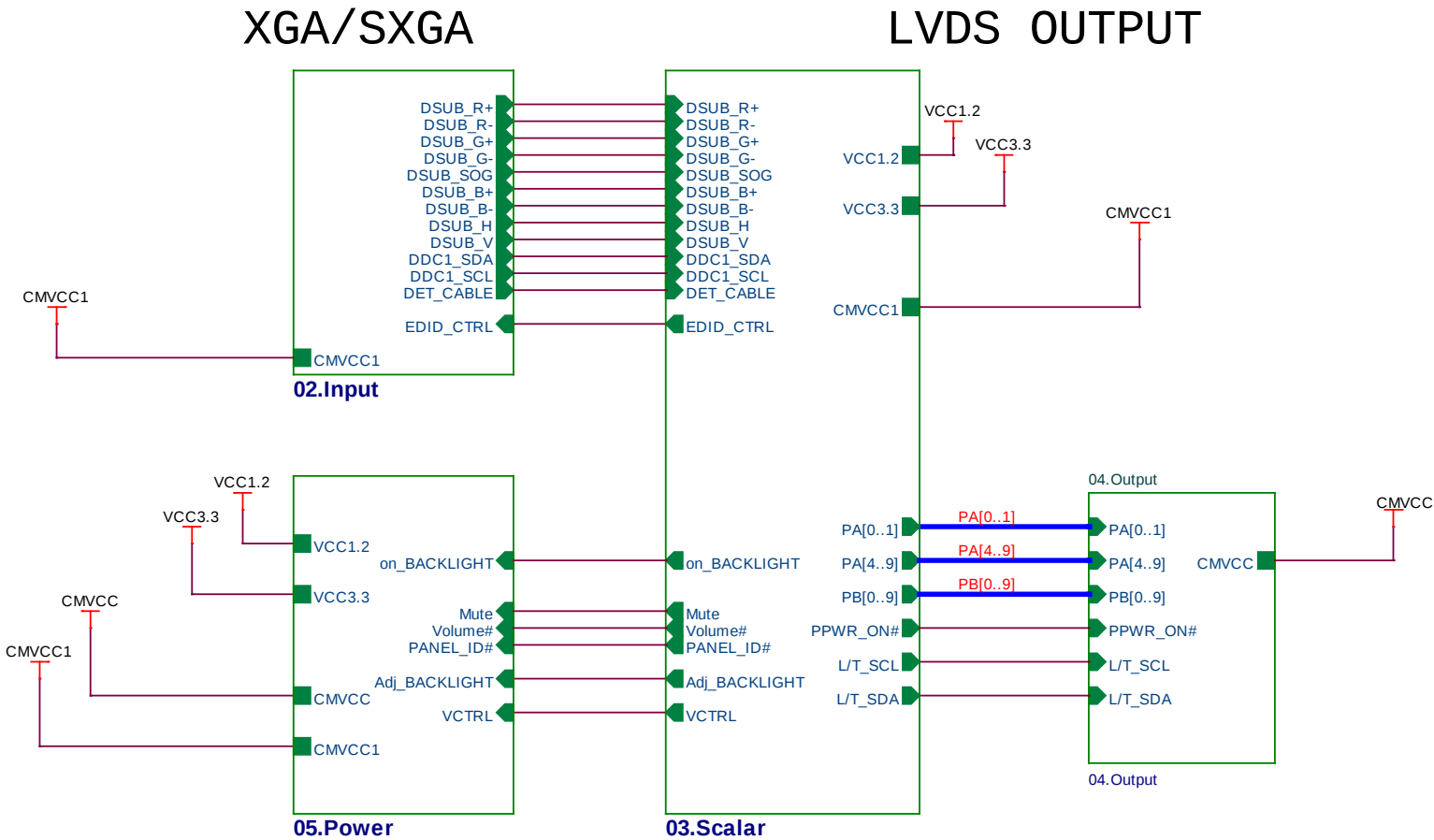
4.5 软件流程 Software Flow Chart



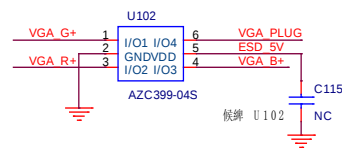
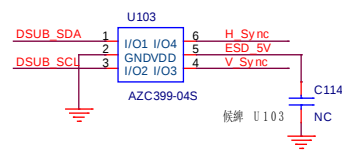
5.电原理图

5.1 主板 715G4737

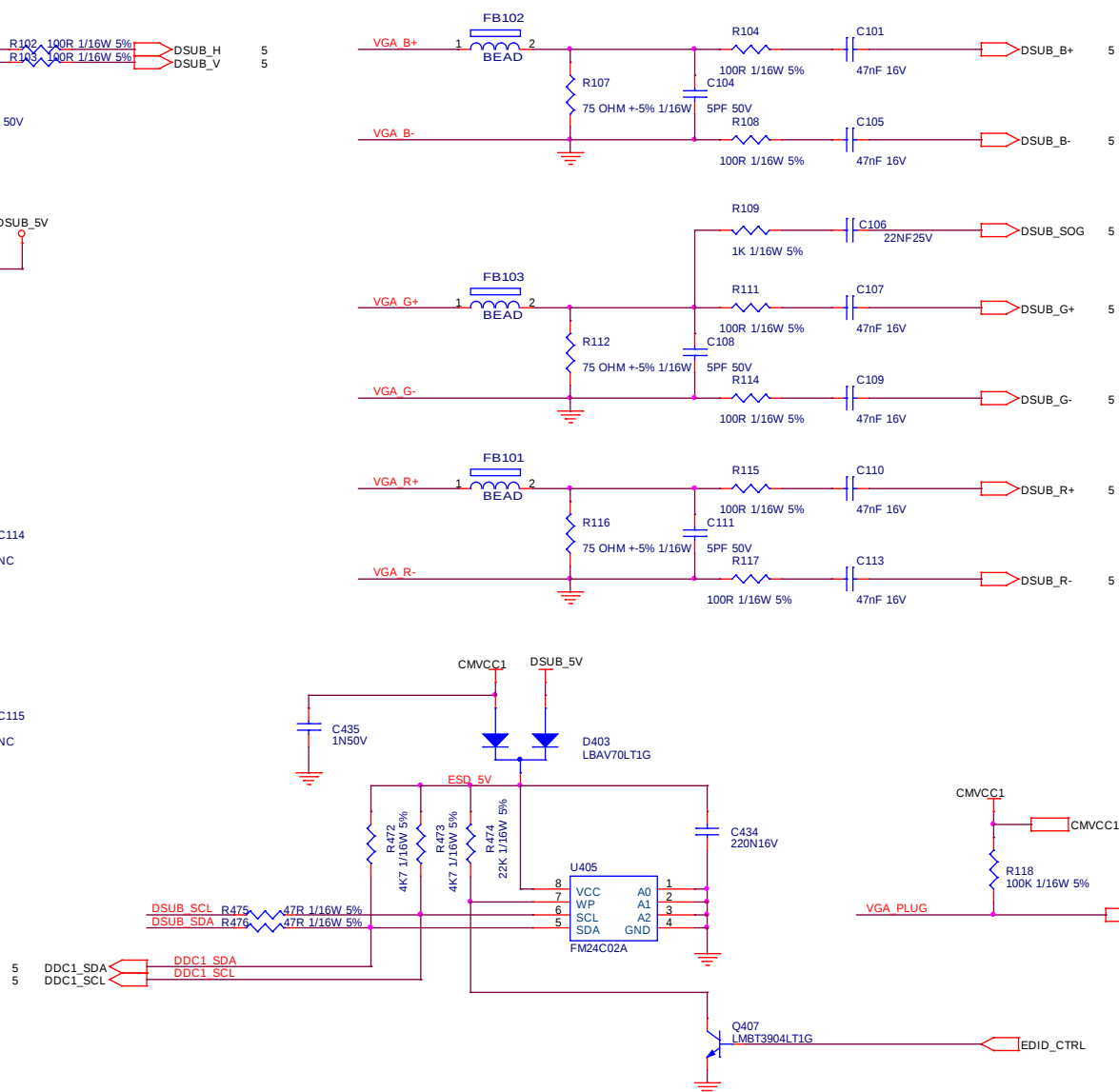
RTD2270LW-GR SCHEMATIC



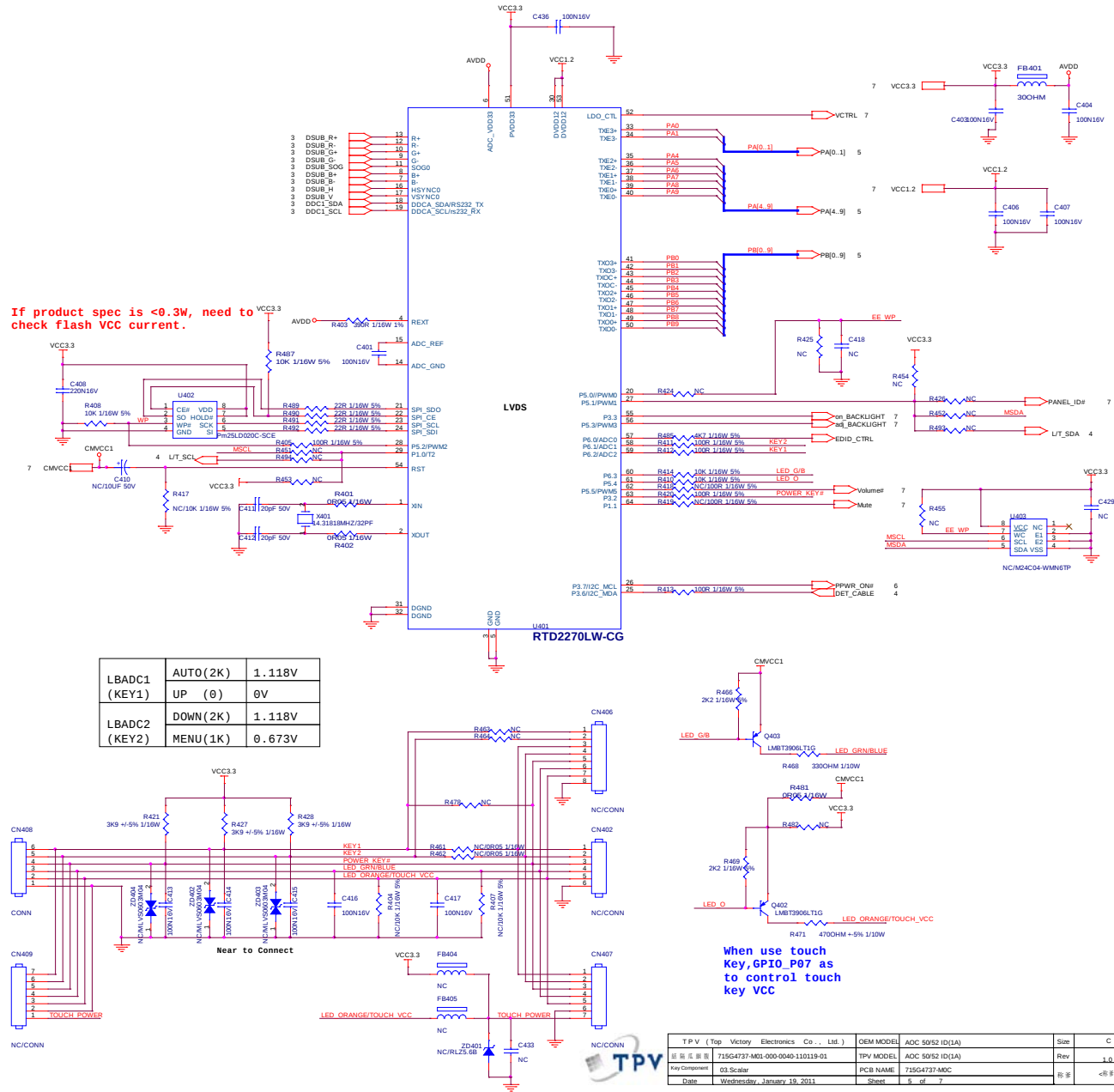
T P V (Top Victory Electronics Co . , Ltd.)	OEM MODEL	AOC 50/52 ID(1A)	Size	A
結 隔 瓜 網 膜	715G4737-M01-000-0040-110119-01	TPV MODEL	AOC 50/52 ID(1A)	Rev
Key Component	01.Top	PCB NAME	715G4737-M01	称 爹
Date	Wednesday , January 19, 2011	Sheet	3 of 7	<称爹>



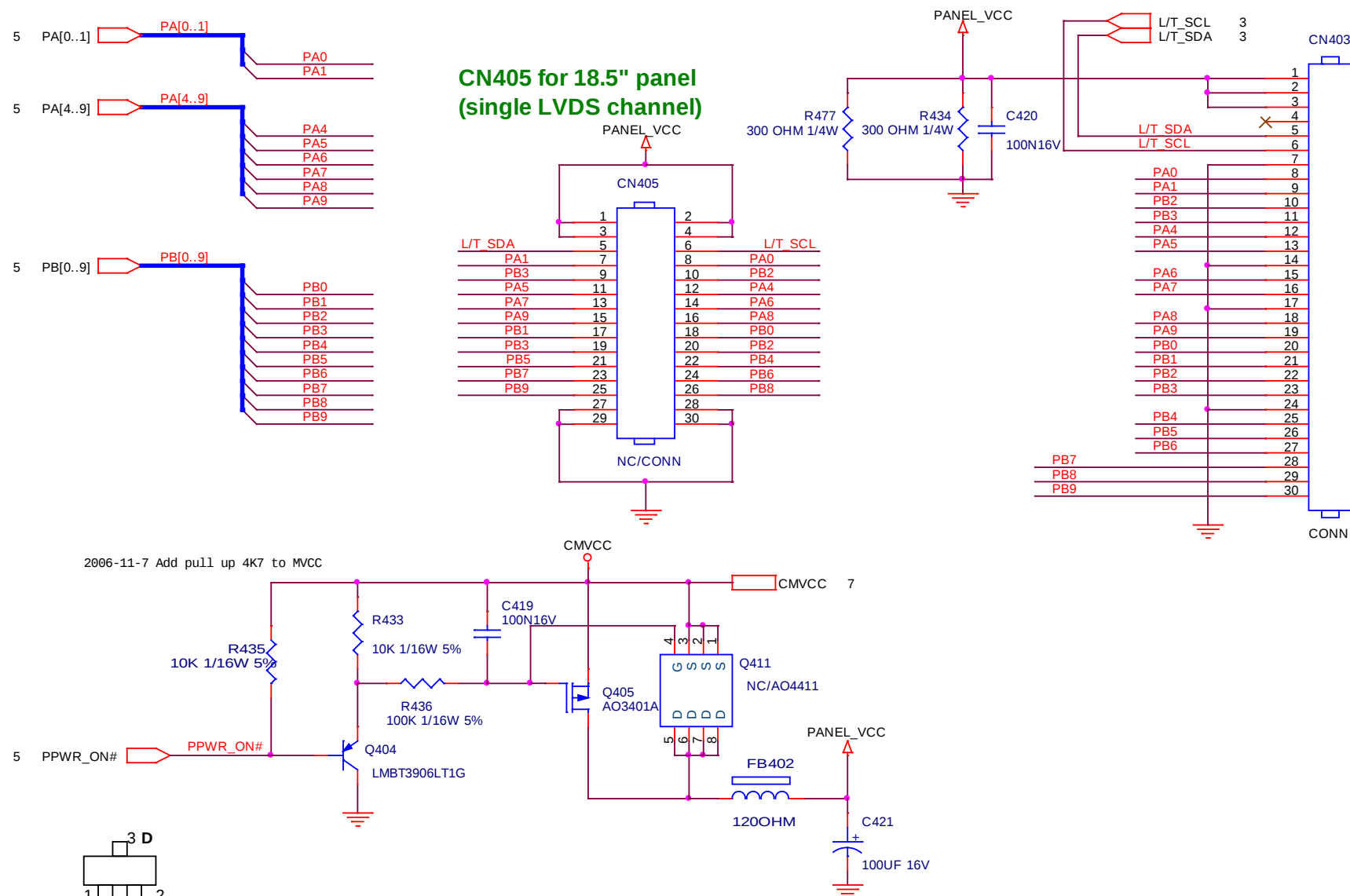
056G 662504 302nd source



TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	AOC 50 /52ID(1A)	Size	B
鋁隔爪網膜 715G4737-M01-000-0040-110119-01		TPV MODEL	AOC 50 /52 ID (1A)	Rev	1.0
Key Component	02.Input	PCB NAME	715G4737-M0C		
Date	Wednesday, January 19, 2011	Sheet	4 of 7	徐夢	<前>



Output part



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC 50/52 ID(1A)	Size	A
結隔瓜網膜	715G4737-M01-000-0040-110119-01	TPV MODEL	Rev	1.0
Key Component	04.Output	PCB NAME	715G4737-M0C	称爹
Date	Wednesday, January 19, 2011	Sheet	6 of 7	<称爹>

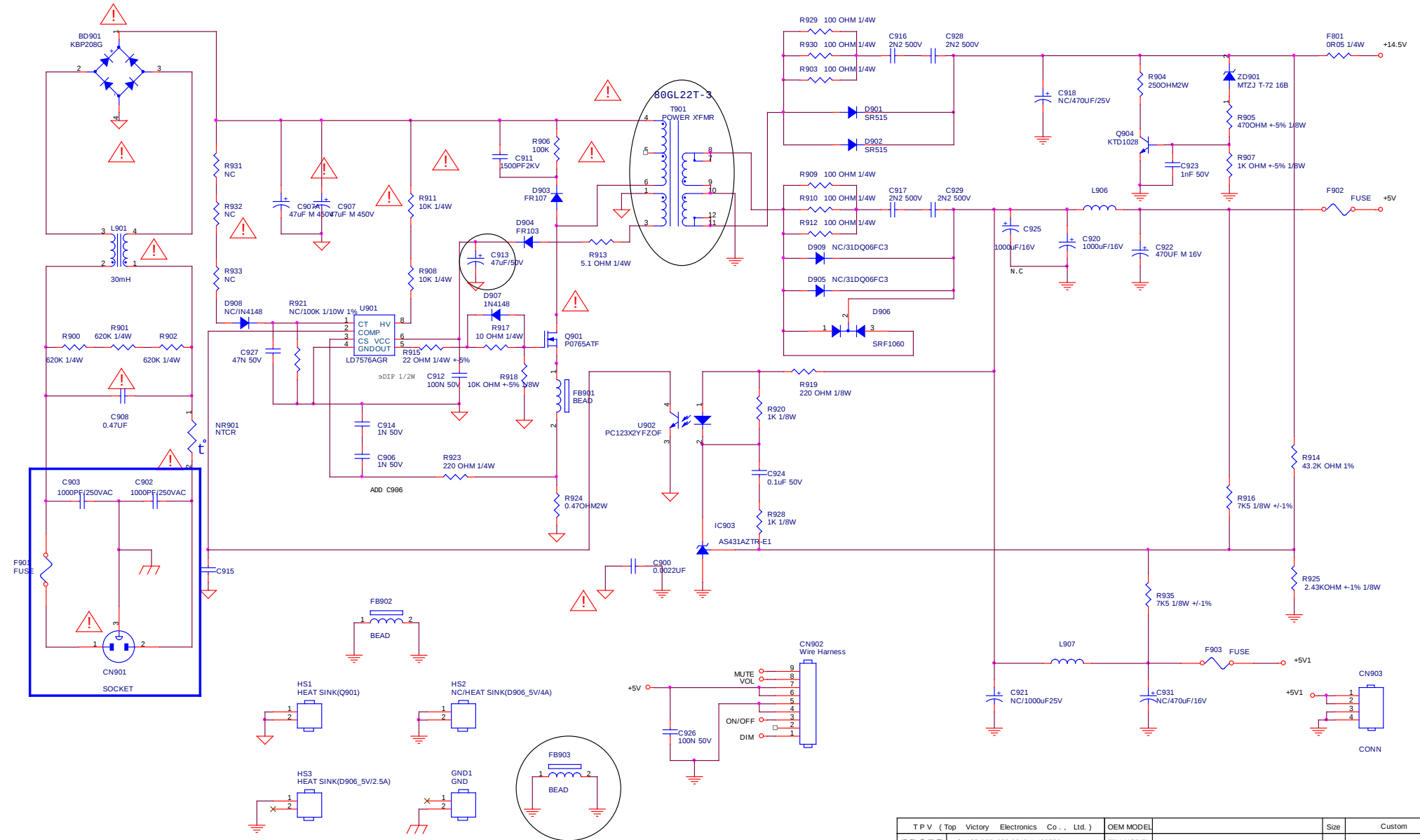
U404 can use package 223 or 252.

	Audio model	Non-Audio model
R418	100 ohm	NC
R419	100 ohm	NC
R486	0 ohm	NC

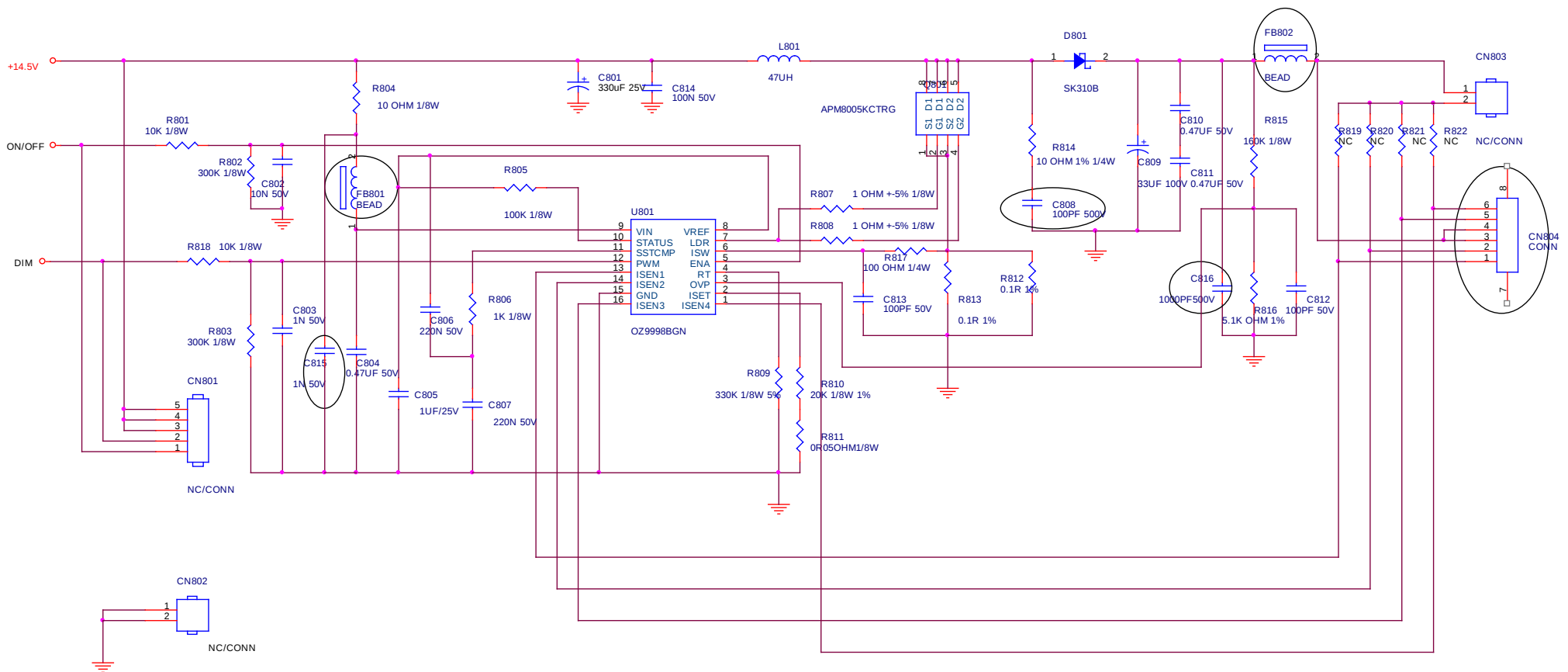


TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	AOC 50/52 ID(1A)	Size	B
紙隔瓜網腹	715G4737-M01-000-0040-110119-01	TPV MODEL	AOC 50/52 ID(1A)	Rev	1.0
Key Component	05.Power	PCB NAME	715G4737-M0C	称爹	<称爹>
Date	Wednesday, January 19, 2011	Sheet	7 of 7		

Power

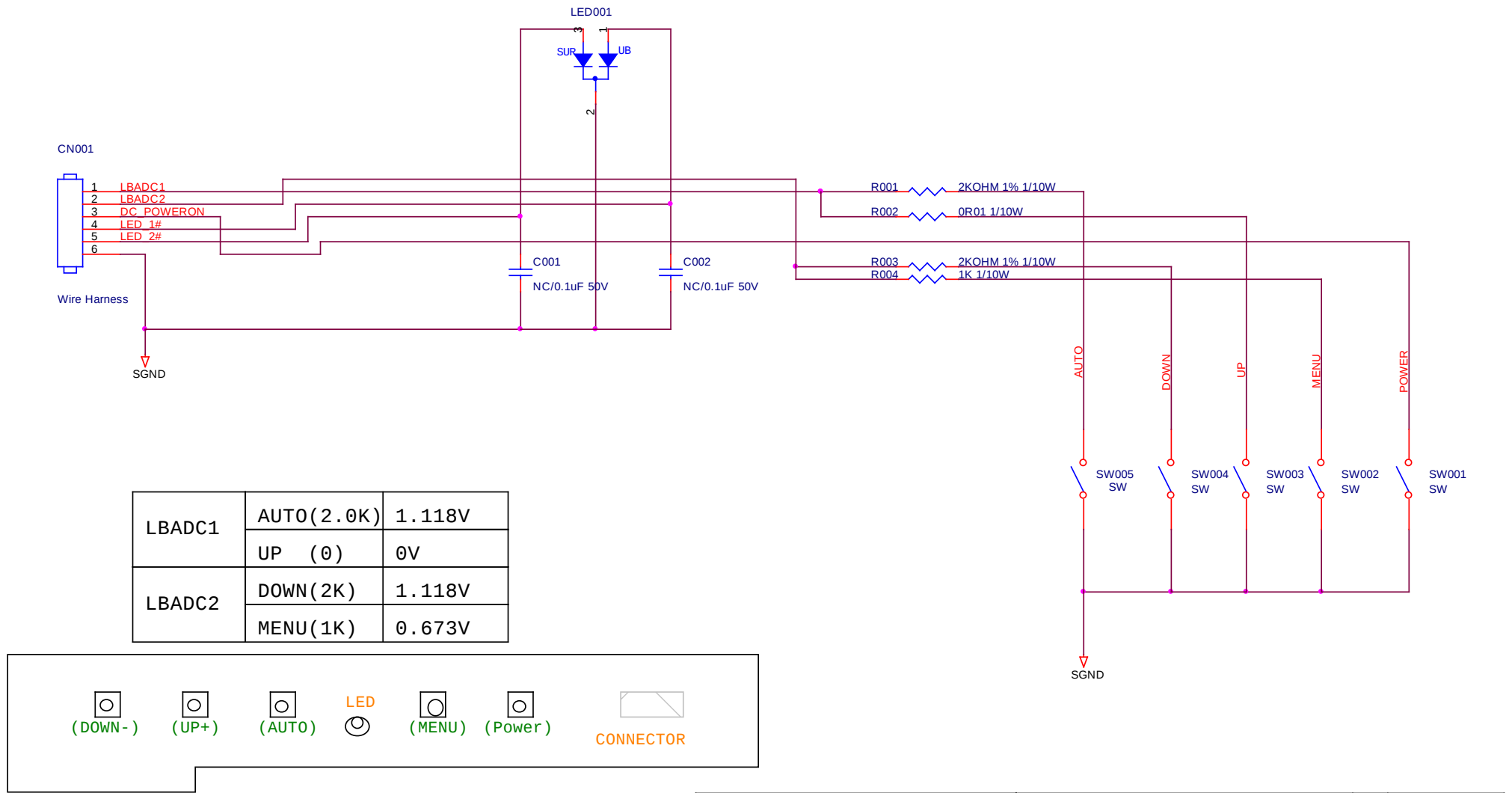


T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
紙隔瓜網膜	G4497-P0B-000-0010-1-100720	TPV MODEL	LNPCAB351AA82	Rev	1
Key Component	01_POWER	PCB NAME	715G4497-P0B-000-0010		
Date	Thursday, January 20, 2011	Sheet	1 of 3	第 5	ODM MODEL



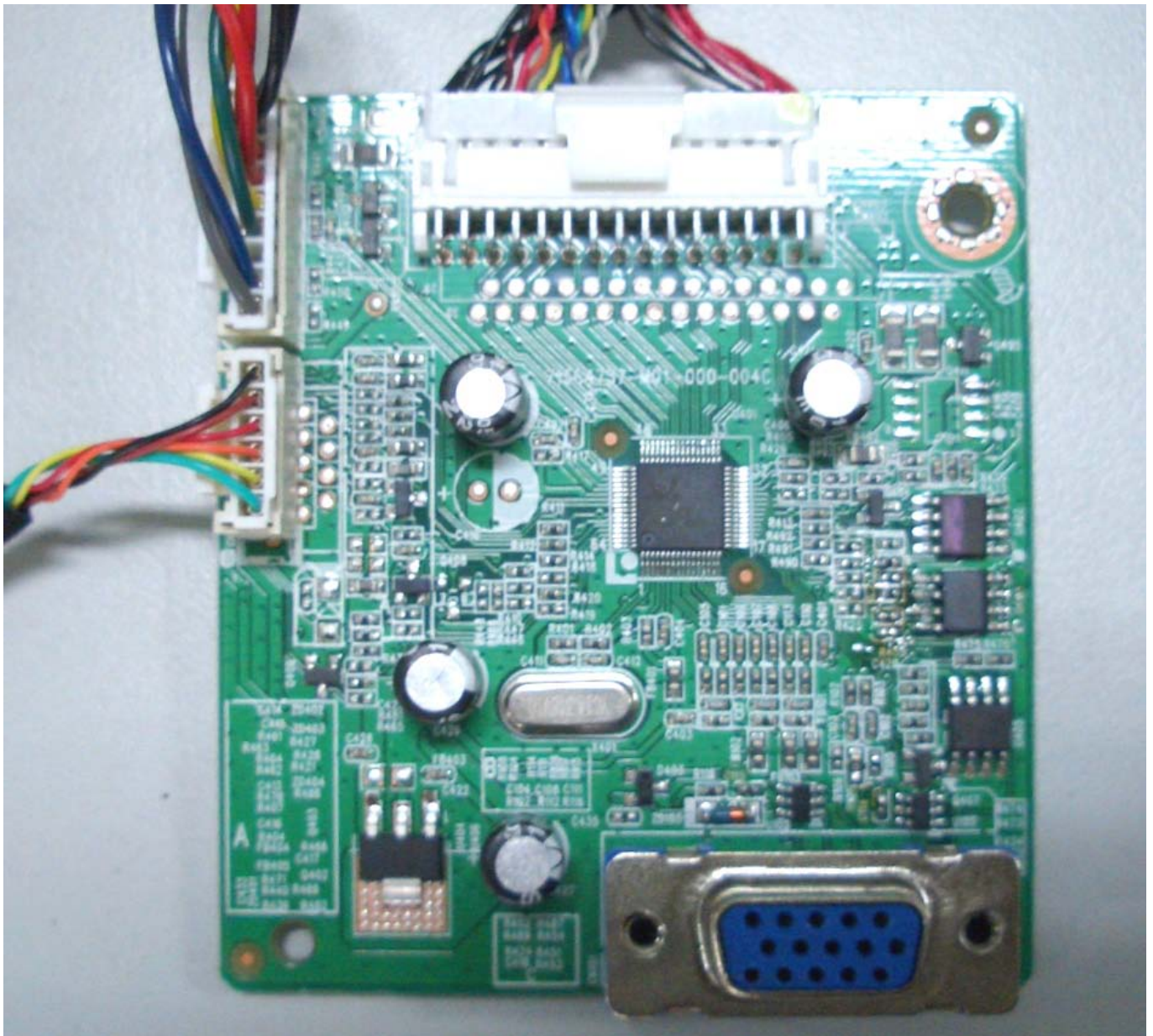
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	Custom
规格书编号	G4497-P0B-000-0010-1-100720	TPV MODEL	LNPCAB351AAB2	Rev
Key Component	02.INVERTER	PCB NAME	715G4497-P0B-000-0010	版本
Date	Thursday, January 20, 2011	Sheet	2 of 3	ODM MODEL

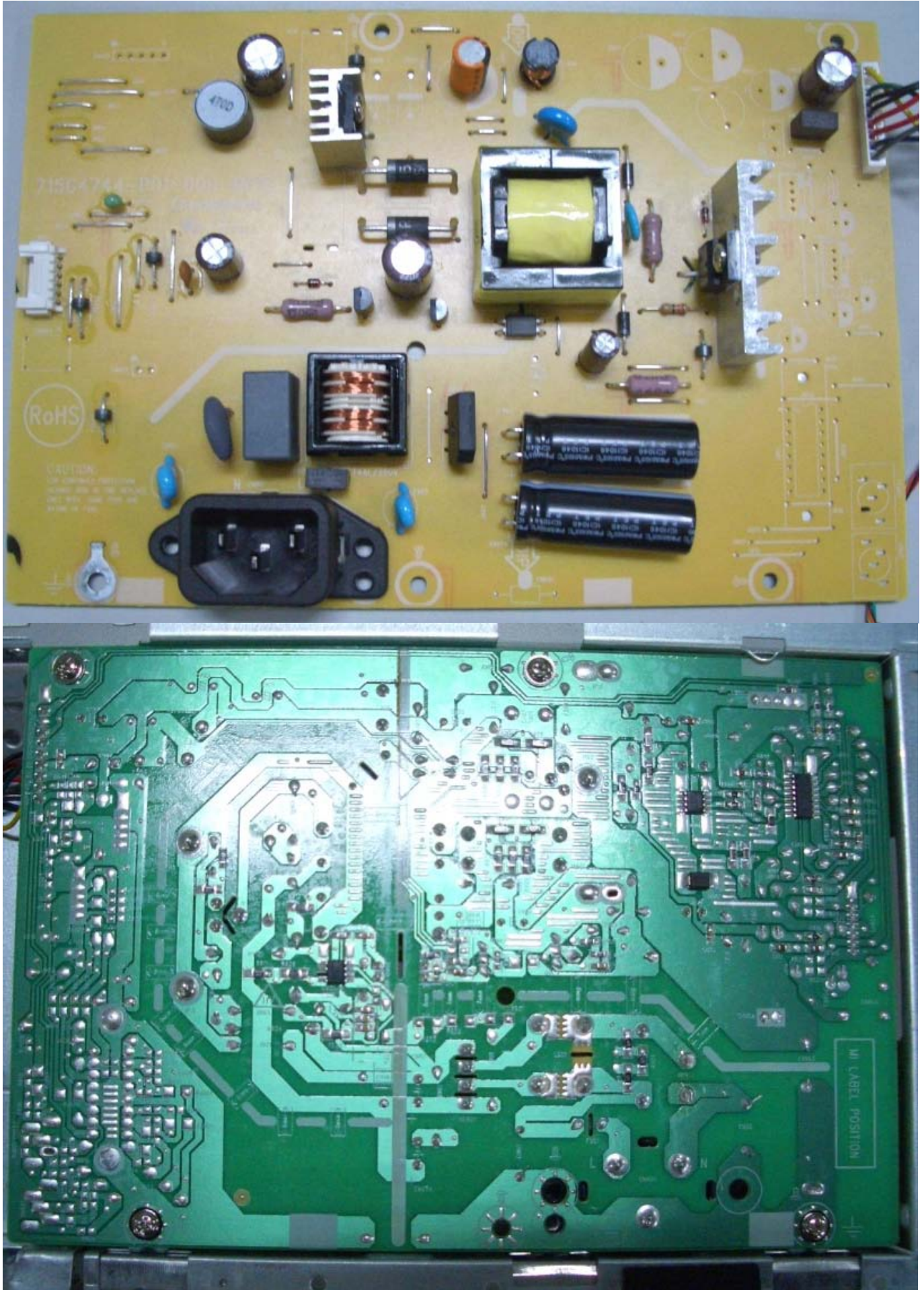
5.3 按键板 key board 715G4747-k



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	N/A	Size	B
紙隔瓜網版	G4747-K0B-000-0040-101026	TPV MODEL	e950Sw	Rev
Key Component	2.0.key	PCB NAME	715G4747	称爹
Date	Friday, December 10, 2010	Sheet	2 of 2	<称爹>

6. PCB 布局





7. 软体更新和 DDC 改写

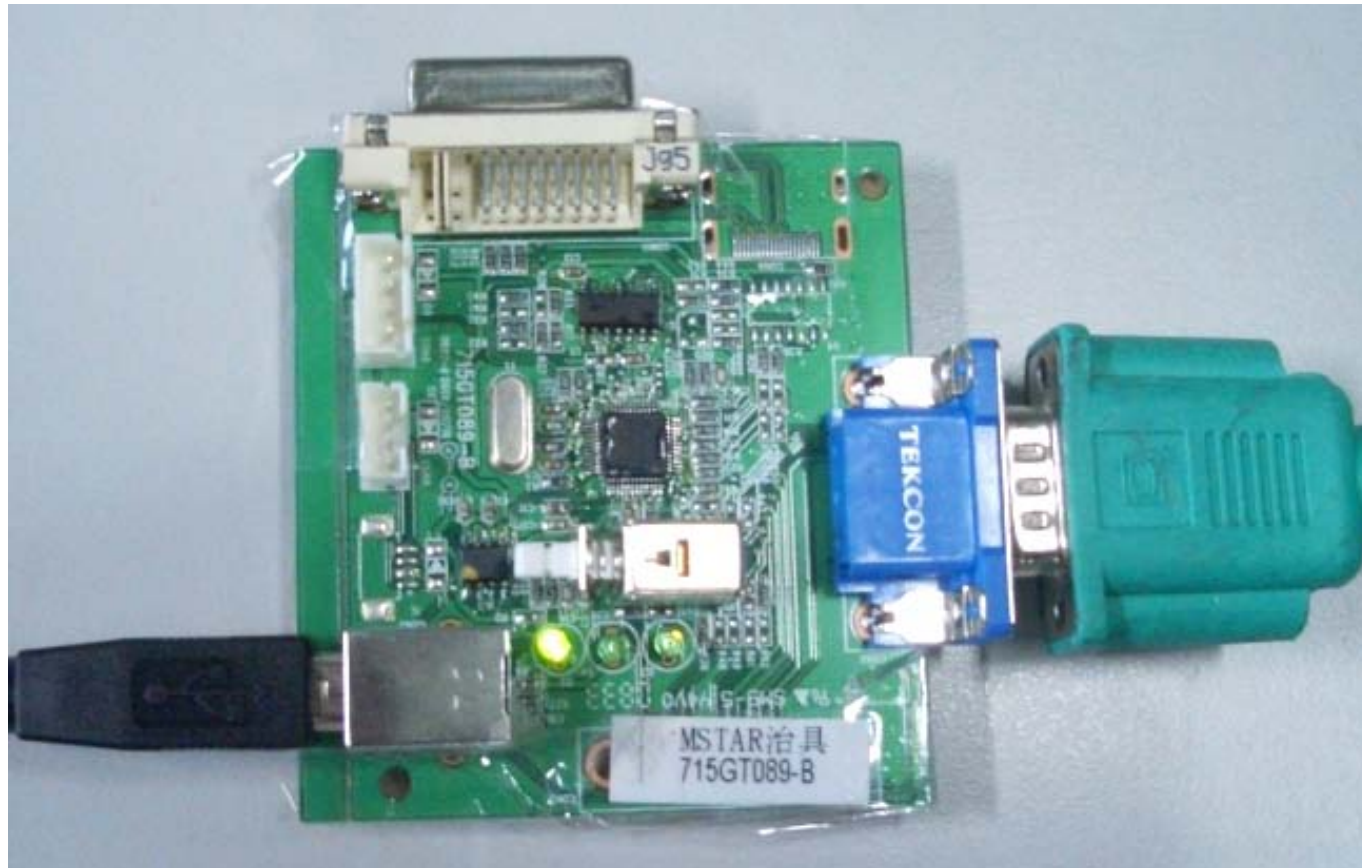
7.1 软体更新 SOP

本机信息：

U402	056G2233501	FLASH MX25L2026DM1I-12G 2Mb SOP-8
SMTCR-U402	100GARM9003B11	AOC_e952Vn_RTD2270LW_CMI_MT190AW02
U401	056G 562431	SCALER RTD2270LW-CG LQFP-64
	CBPCAR9T2J1	CONVERSION G4737-M01-110304-01

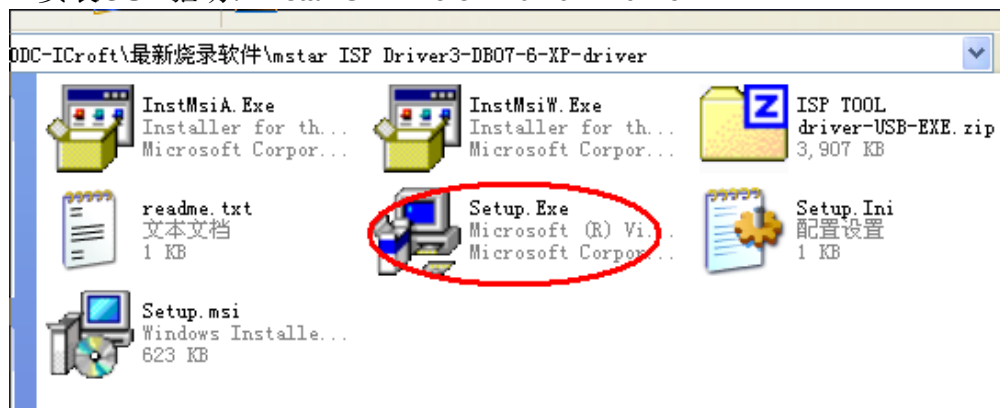
步骤 1：连接

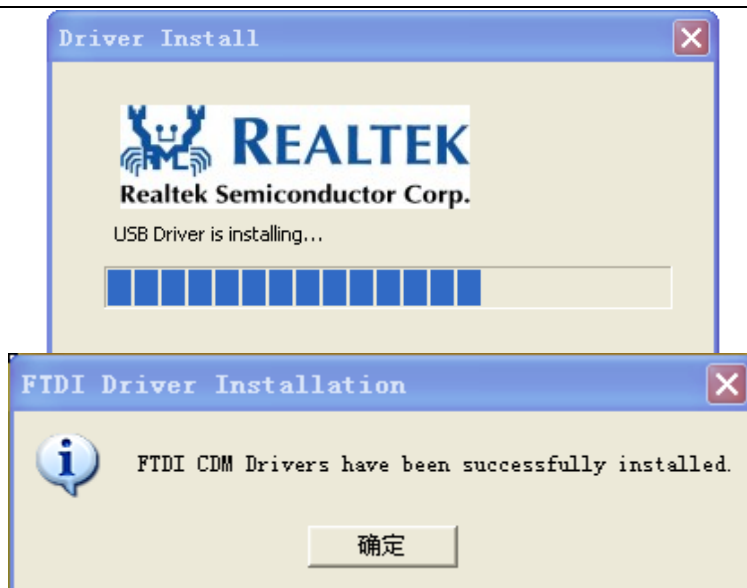
1. 用 USB 连接线缆将软件改写工具(ISP 版 715GT089-B)连接到计算机 PC-USB 口,用 VGA15 芯线缆连接显示器, 如下图所示:



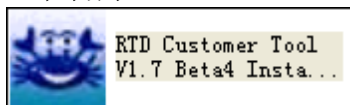
步骤 2：驱动安装

1. 安装USB驱动: mstar ISP Driver3-DB07-6-XP-driver



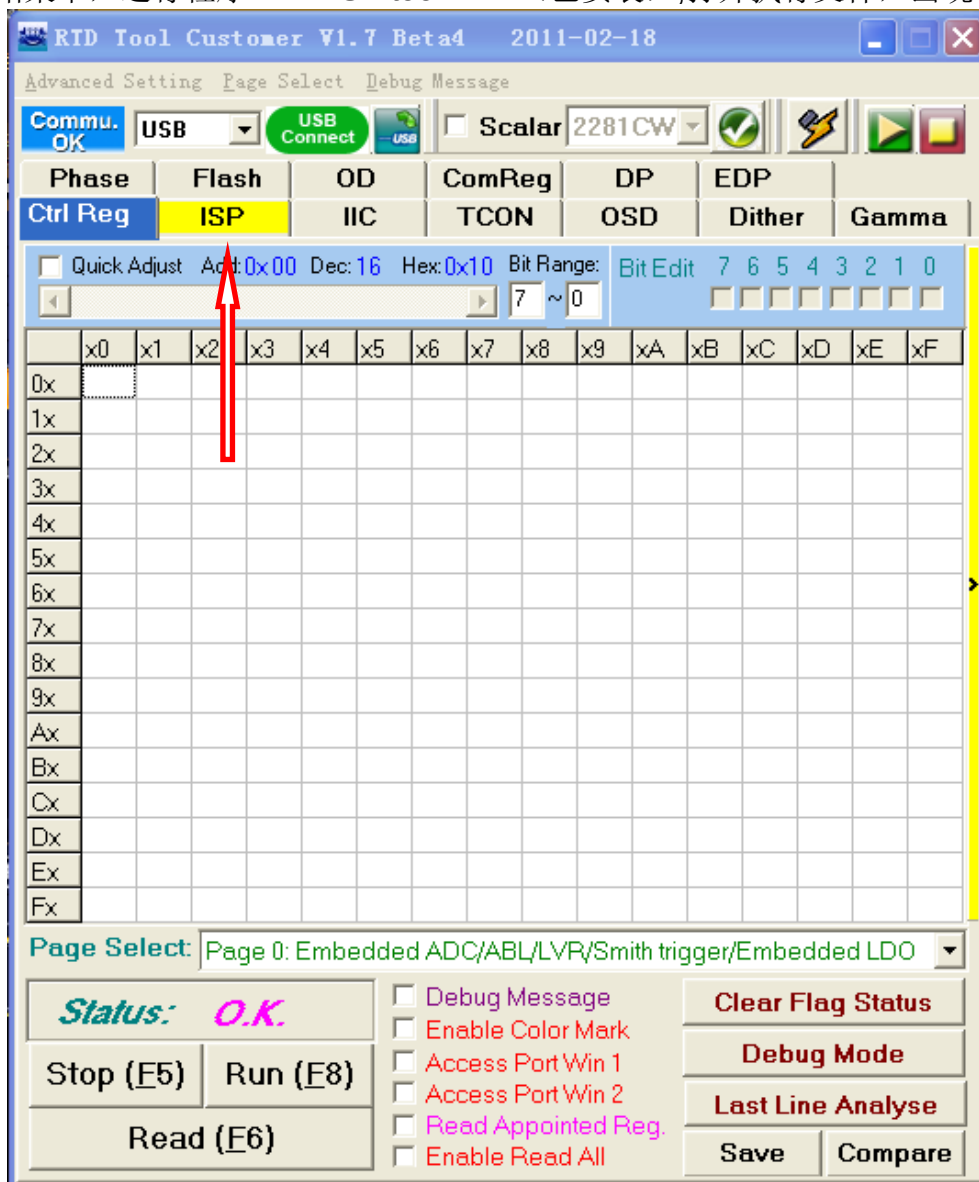


2.准备好 Realtek tool ---RTD ISP Tool 安装在 PC 机上:

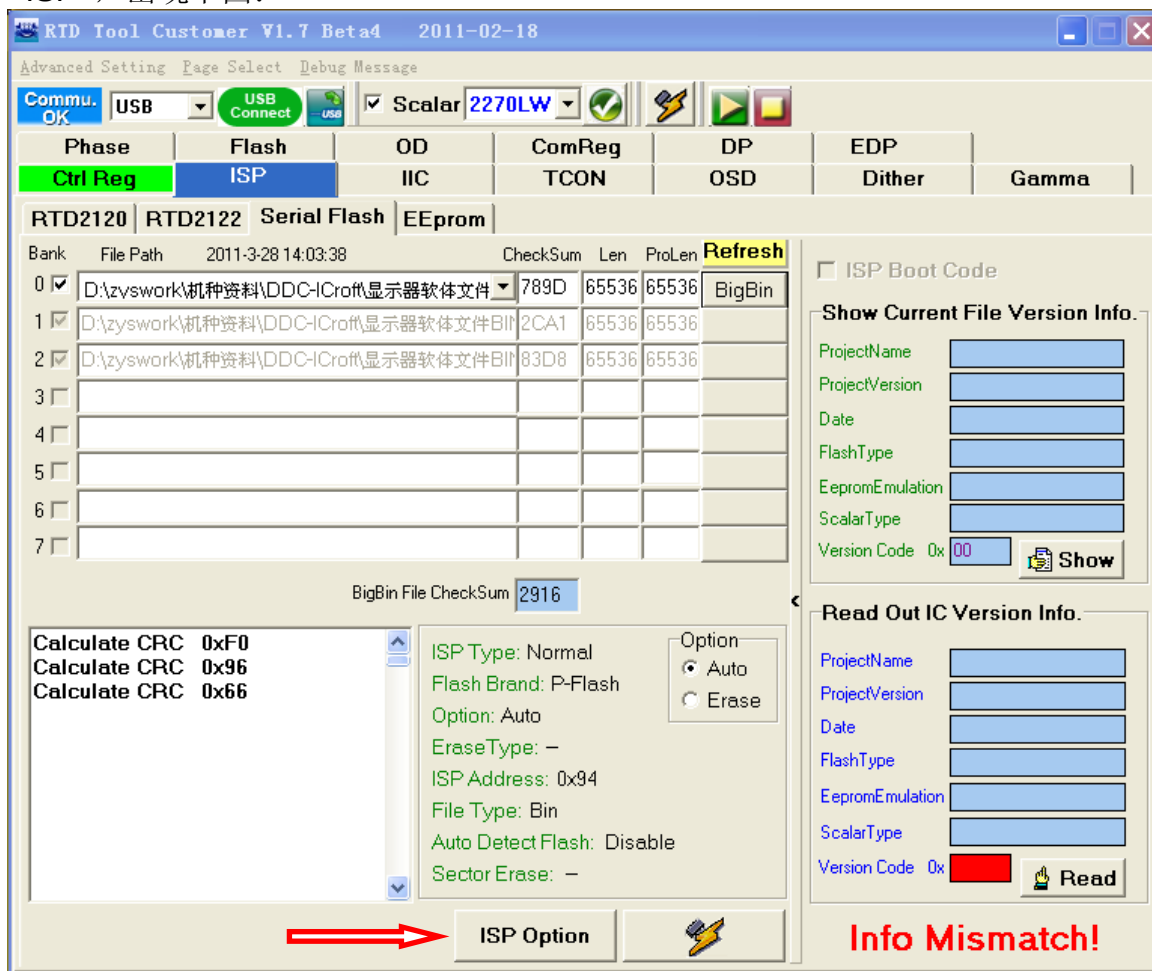


步骤 3: 运行

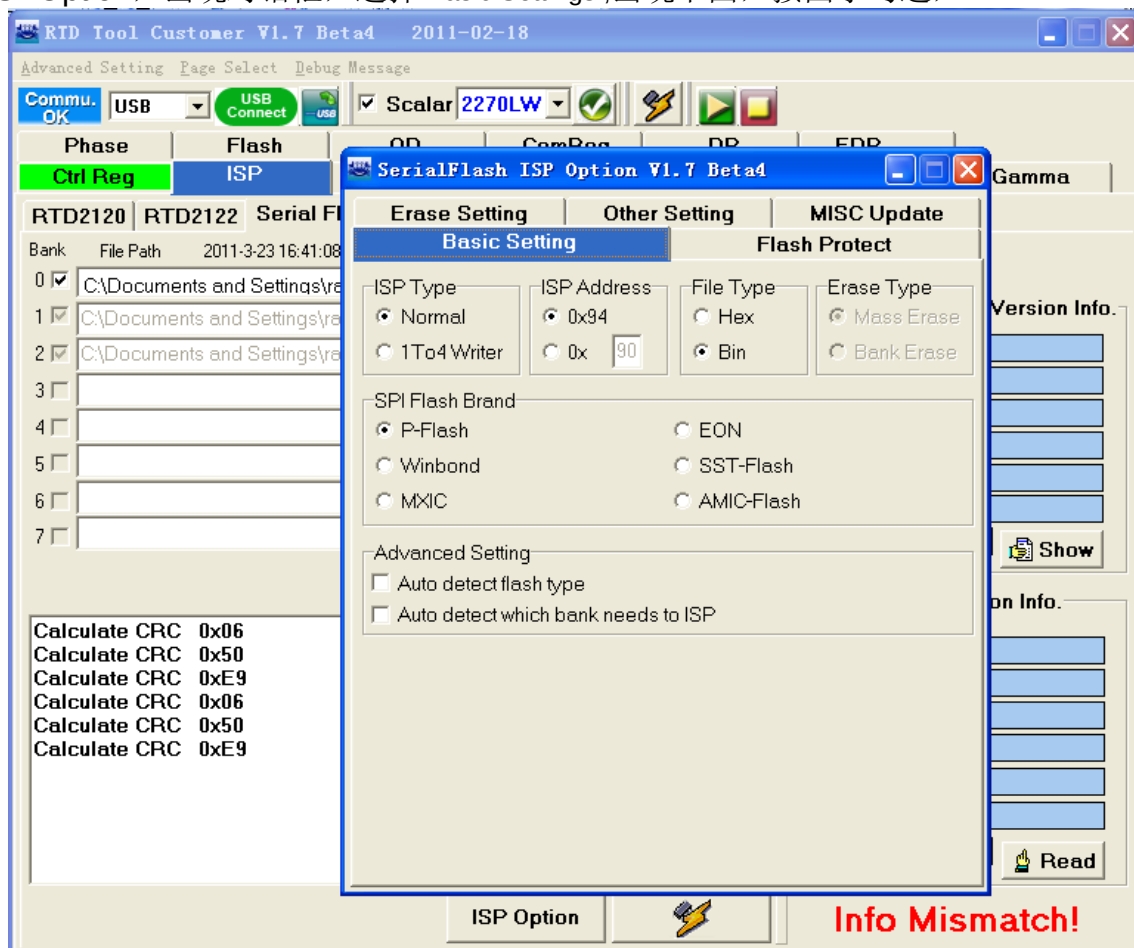
1. 在 PC 开始菜单, 运行程序 RTD ISP tool V1.7 (已安装), 打开执行文件, 出现下图:



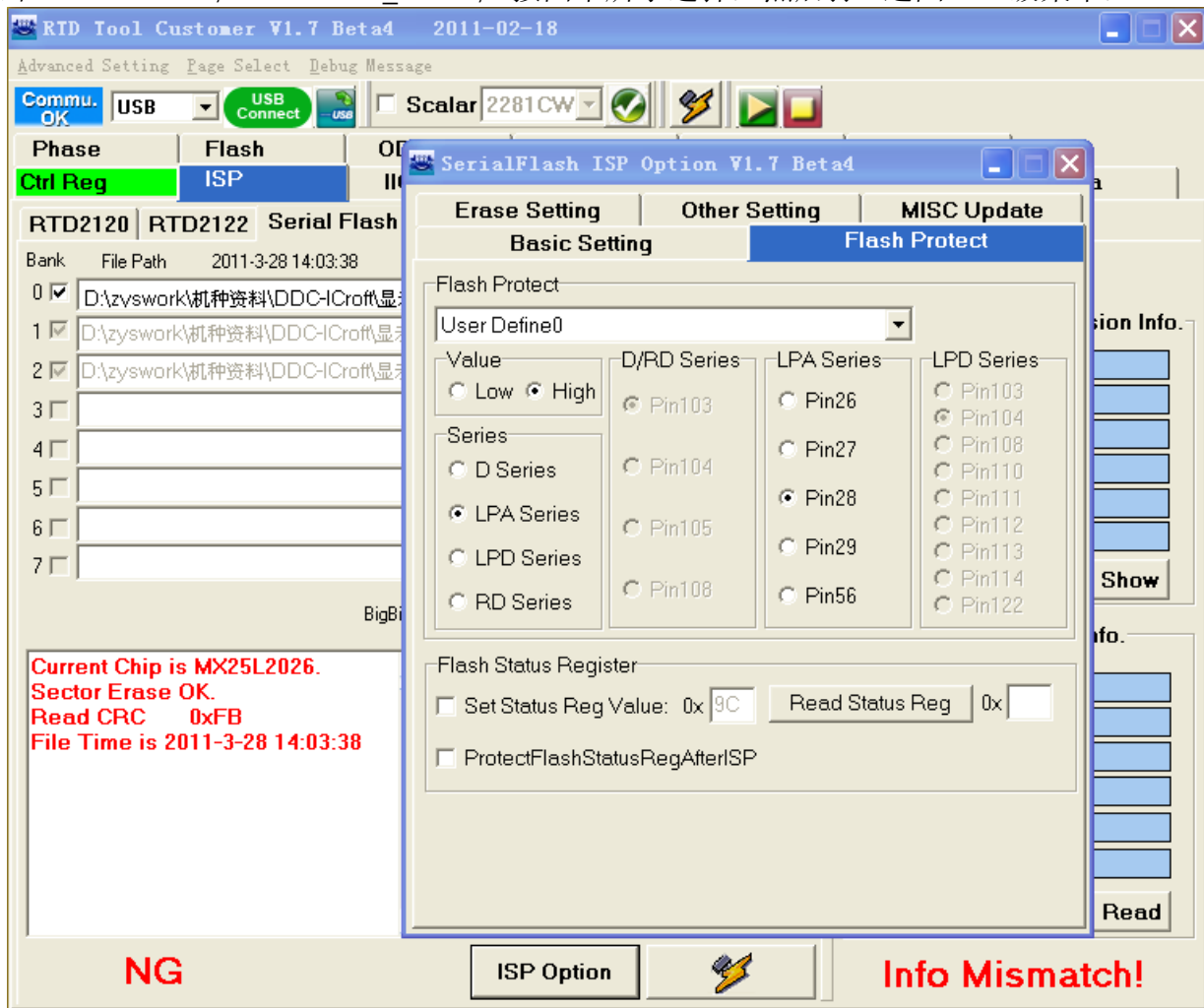
2.选中“ISP”，出现下图：



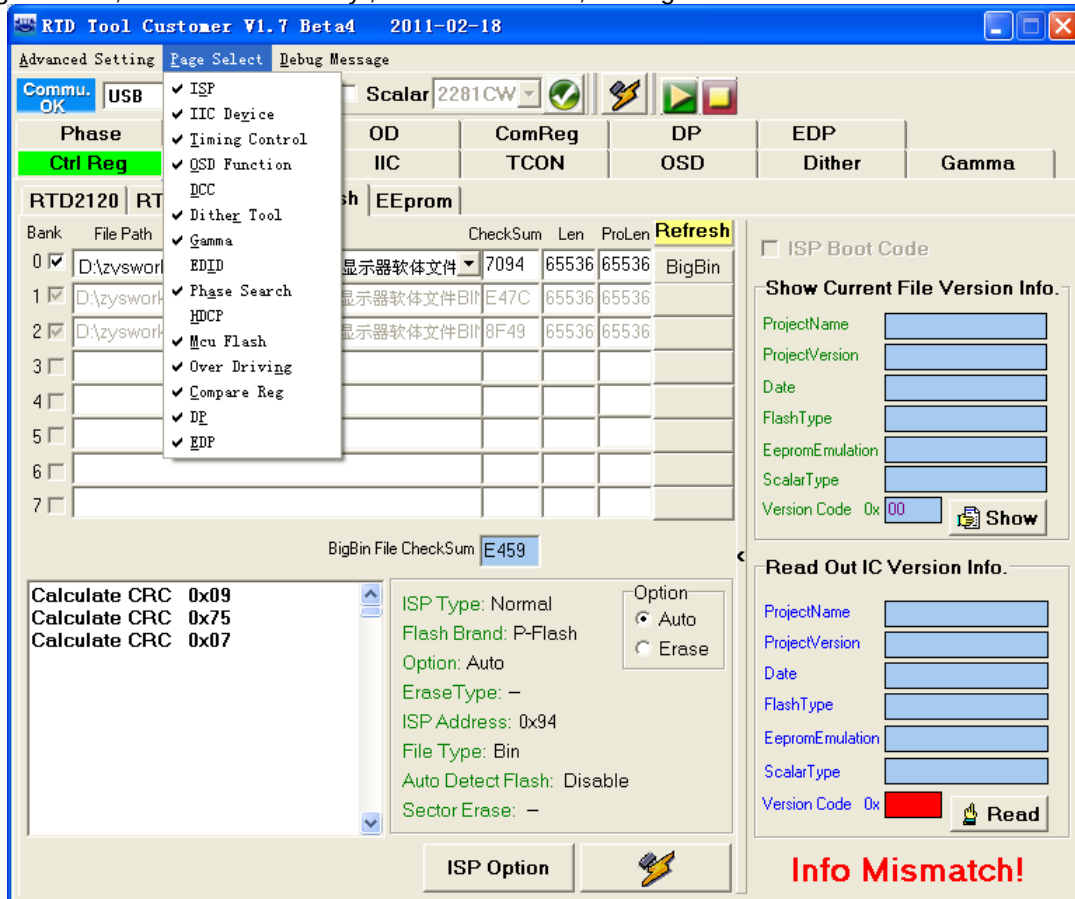
3.点击ISPOption，出现对话框，选择 Basic Settings,出现下图，按图示勾选，



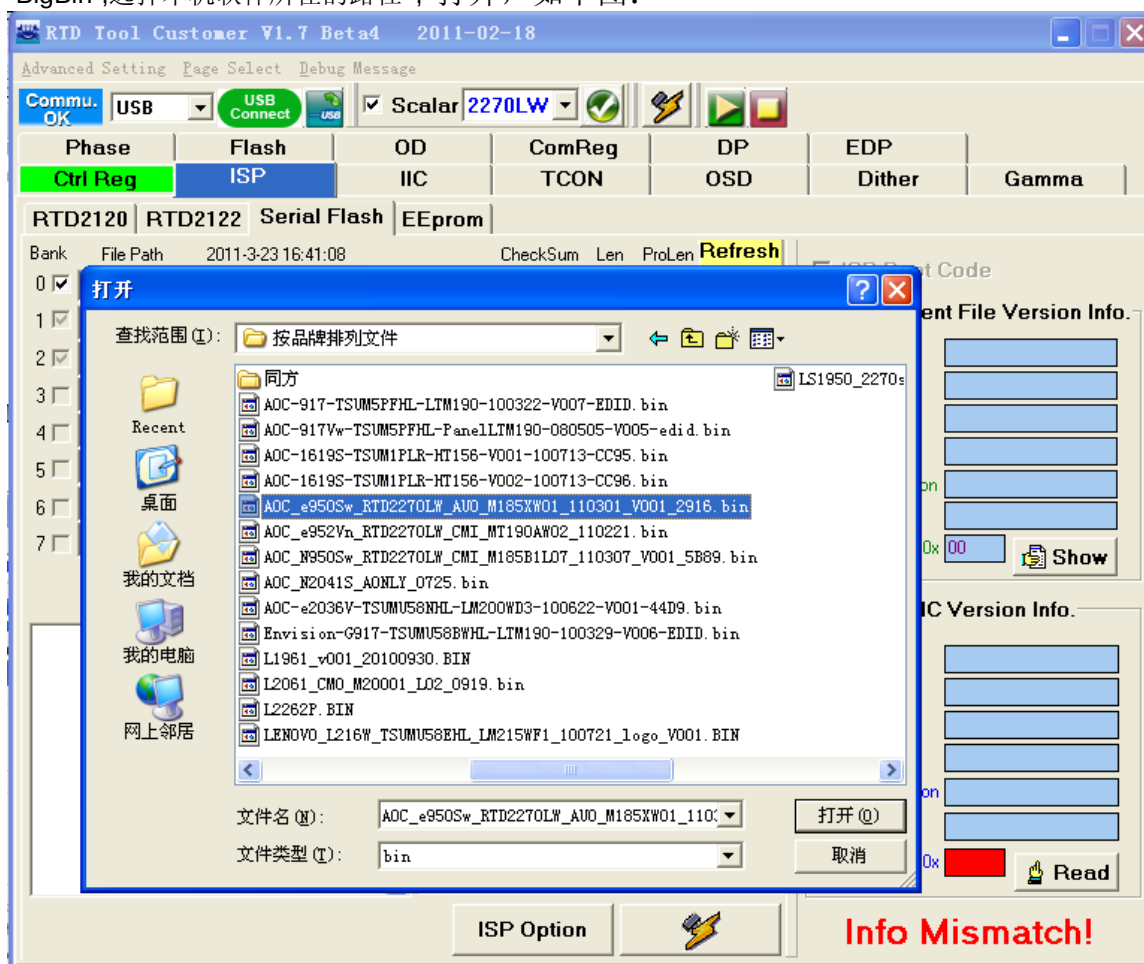
4. 点击: "Flash Protect", selected "LPA_series", 按图中所示选择, 然后打×返回上一级菜单,



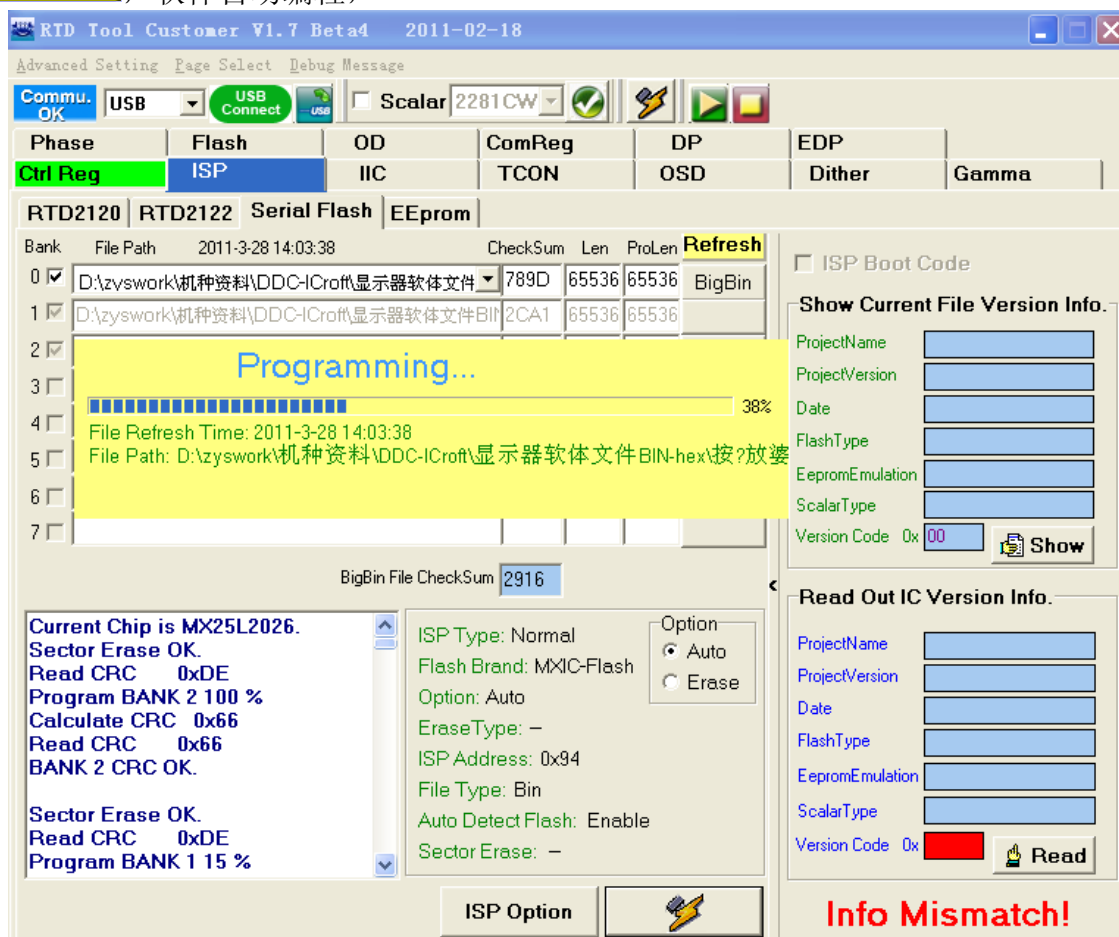
5. Click "Page Select", Not Load HDCP key ,Save HDCP data, The figuer is as follows



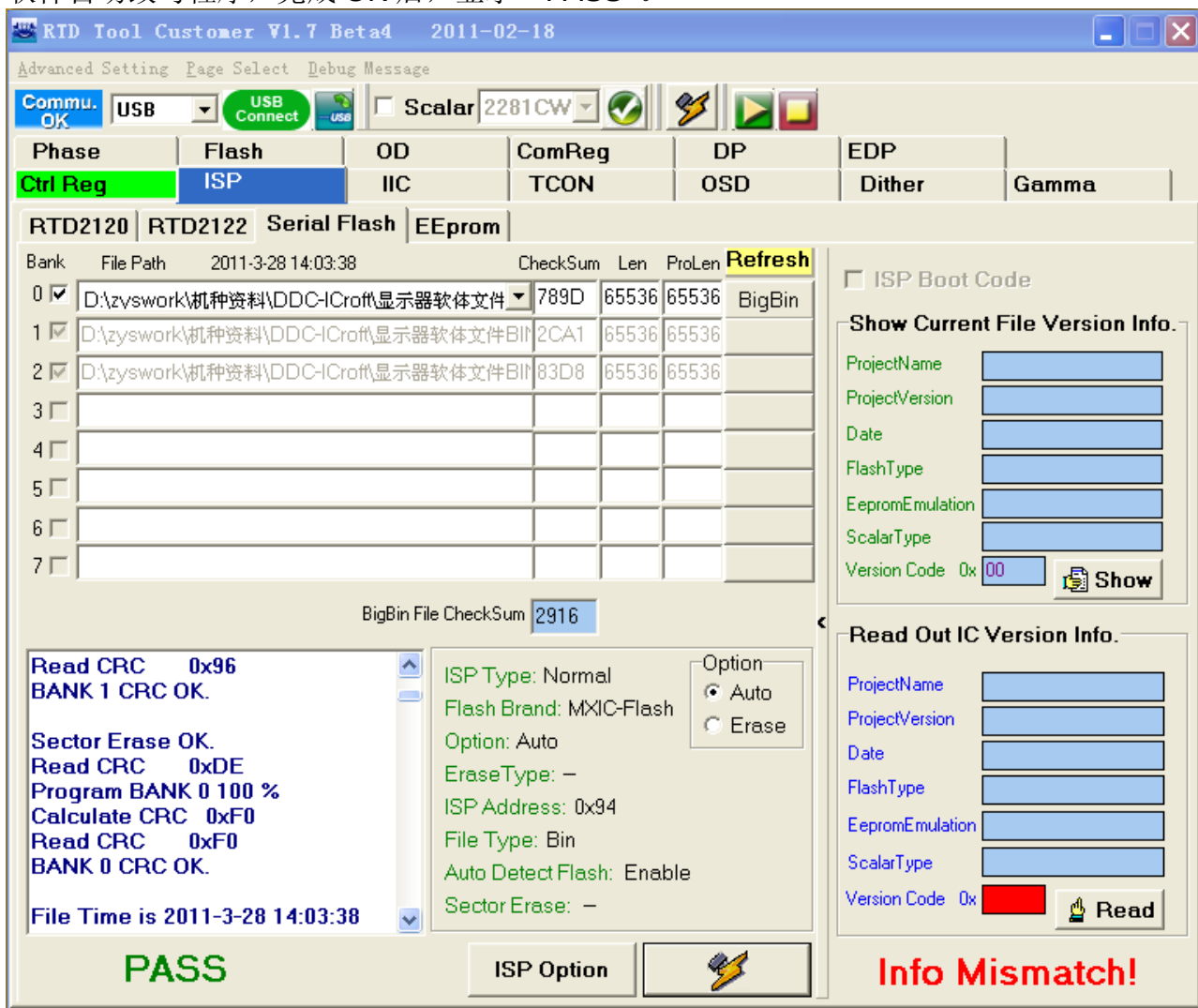
6. 点击 “BigBin”, 选择本机软体所在的路径, 打开, 如下图:



7. 点击 **ISP**, 软体自动编程,



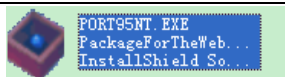
8. 软件自动改写程序，完成 OK 后，显示“PASS”。



7.2 改写 DDC/EDID

1. 连接工具---DDC Tool (715GT034-B+12V)，连接打印线缆到 PC，DVI&VGA 线缆连接显示器，如图所示：





2. 运行 DDC 软件，（已经安装好打印口驱动）

EDID Programmer (TPVDDC6.0) 简化版

Help History Read

LoadFile... Flush ☐ Analog ☐ DVI ☒ Analog and DVI

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
01	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
02	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
03	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
04	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
05	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
06	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
07	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
08	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

Analog
 Manufacturer: Product Code:
 Model Name:
 Monitor SN:
 Input: Checksum:

Digital
 Manufacturer: Product Code:
 Model Name:
 Monitor SN:
 Input: Checksum:

Time input
 Year-Month-Day: - - ☐ ASUS防呆 ☐ 进工厂
 Year: Week: [ISO8601] ☐ 手动输入日期

Flash Type
 Analog: ☐ independence ☐ dependence
 DVI: ☐ independence ☐ dependence

Program

State:

Read A [Analog]
 Read Both [Analog+Digital]
 Read D [Digital]

Input SN:

Verify SN: 0

3. 选择和本机匹配的 DDC 文件，在查找 DDC 文件时注意可能在 AOC-18 的路径，

DDC EDID Beijing Version 3.22.2 for EEPROM

Help History Read

LoadFile... Flush ☐ Analog ☐ DVI ☒ Analog and DVI

	00	01	02	03	04
01	00	FF	FF	FF	FF
02	00	15	01	03	68
03	12	50	54	BF	EE
04	01	01	01	01	01
05	33	00	9A	E6	10
06	40	70	36	00	9A
07	4C	1E	3C	09	00
08	00	31	39	35	30

Analog
 Manufacturer (2): **AOC**
 Model Name: **1950w**
 Monitor SN:
 Week (1 byte): **0**
 Year (1 byte): **2011**
 Input: **Analog**
 Checksum: **77**

Select EDID

- lcdddc
 - 15
 - 17
 - 18
 - AOC
 - 1950W
 - 831W
 - ENV
 - IMG
 - LCD
 - LEN
 - MLO
 - TOP
 - 19
 - 20
 - 21
 - 22
 - 23
 - 24

Find... Search

OK Cancel

code:

I0delay:

State:

Read Both [Analog+Digital]
 Read D [Digital]

Input SN: 13

Verify SN:

Date: Year Month Day
 2010 1 1

4. 选择文件后，出现下图，输入二次机器序列号，注意本机是单 VGA 接口，

DDC EDID Beijing Version 3.51 for HDMI Project

Help History Read

LoadFile... Flush ☐ Analog ☐ HDMI ☒ Analog and HDMI

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
01	00	FF	FF	FF	FF	FF	00	30	64	83	22	3F	87	03	00
02	2B	13	01	03	68	2F	1E	78	2A	37	A0	A6	55	48	9A
03	12	50	54	BF	EF	00	31	0A	81	40	81	80	71	4F	95
04	95	0F	01	01	01	21	39	90	30	62	1A	27	40	68	B0
05	36	00	DA	28	11	00	00	1C	00	00	FF	00	32	33	31
06	32	33	31	31	32	33	31	32	33	31	00	00	00	FD	00
07	4B	1E	53	11	00	0A	20	20	20	20	20	20	20	20	FC
08	00	41	32	38	33	57	67	0A	20	20	20	20	20	20	C5

Analog

Manufacturer (2) Product Code

Model Name:

Monitor SN:

Week (1 byte): [ISO8601]

Year (1 byte):

Input:

Checksum

Digital

Manufacturer: Product Code:

Model Name:

Monitor SN:

Week:

Year:

Input:

Checksur

CostDDC EEPROM ☐ I0delay

Program

Read A [Analog]

Read Both [Analog+Digital]

Read D [Digital]

Date: Year Month Day

2008 1 1

State

Input SN

Verify SN

5. 点击“Program”，DDC 自动改写，成功后，出现“PASS”。

EDID Programmer (TPVDDC6.0) 简化版

Help History Read

LoadFile... Flush ☐ Analog ☐ DVI ☒ Analog and DVI

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
01	00	FF	FF	FF	FF	FF	00	05	E3	37	22	07	B2	01	00
02	17	14	01	03	68	2F	1A	78	2A	35	85	A6	56	48	9A
03	12	50	54	BF	EF	00	81	40	81	80	95	00	B3	00	D1
04	01	01	01	01	01	02	3A	80	18	71	38	2D	40	58	2C
05	45	00	DC	0C	11	00	00	1E	00	00	00	FD	00	38	4B
06	50	11	00	0A	20	20	20	20	20	20	20	20	20	20	FC
07	32	33	37	0A	20	20	20	20	20	20	20	20	20	20	FF
08	00	31	31	31	31	31	31	31	31	31	31	31	31	31	00

Analog

Manufacturer: Product Code:

Model Name:

Monitor SN:

Input: Checksum

Digital

Manufacturer: Product Code:

Model Name:

Monitor SN:

Input: Checksum

Time input

Year-Month-Day:

Year: Week: [ISO8601]

ASUS防呆 ☐ 进工厂 ☐

手动输入日期 ☐

Flash Type

Analog ☒ independence ☐ dependence

DVI ☒ independence ☐ dependence

Program

Read A [Analog]

Read Both [Analog+Digital]

Read D [Digital]

State

Input SN

Verify SN

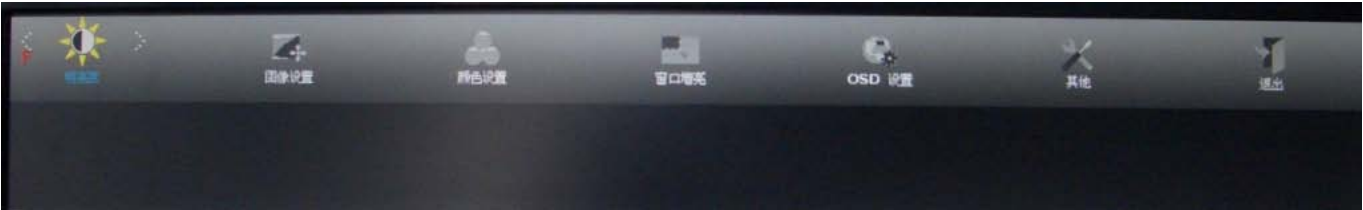
D-SUB: PASS!

DVI: PASS!

7.3.工厂模式调整

进入工厂模式方法：

机器应处于开机状态，拔掉输入电源线，然后按住Menu键，再接通电源线，放开”MENU”后，再按下”MENU”,工厂模式菜单将位于屏的左上角。



选中“F”，按下“MENU”，出现下图：



a.基本调整:

设置对比度 为 50。

设置亮度 为 90。

b.增益调整:

调整9300K色温

1、选中“AUTO LEVEL”先进行底光栅自动调整

2、按“MENU”选择9300K进行R G B增益调整

$x = 283 \pm 30, y = 297 \pm 30$

调整7300K色温

1、选中“AUTO LEVEL”先进行底光栅自动调整

2、按“MENU”选择7300K进行R G B增益调整

$x = 302 \pm 30, y = 318 \pm 30$

调整6500K色温

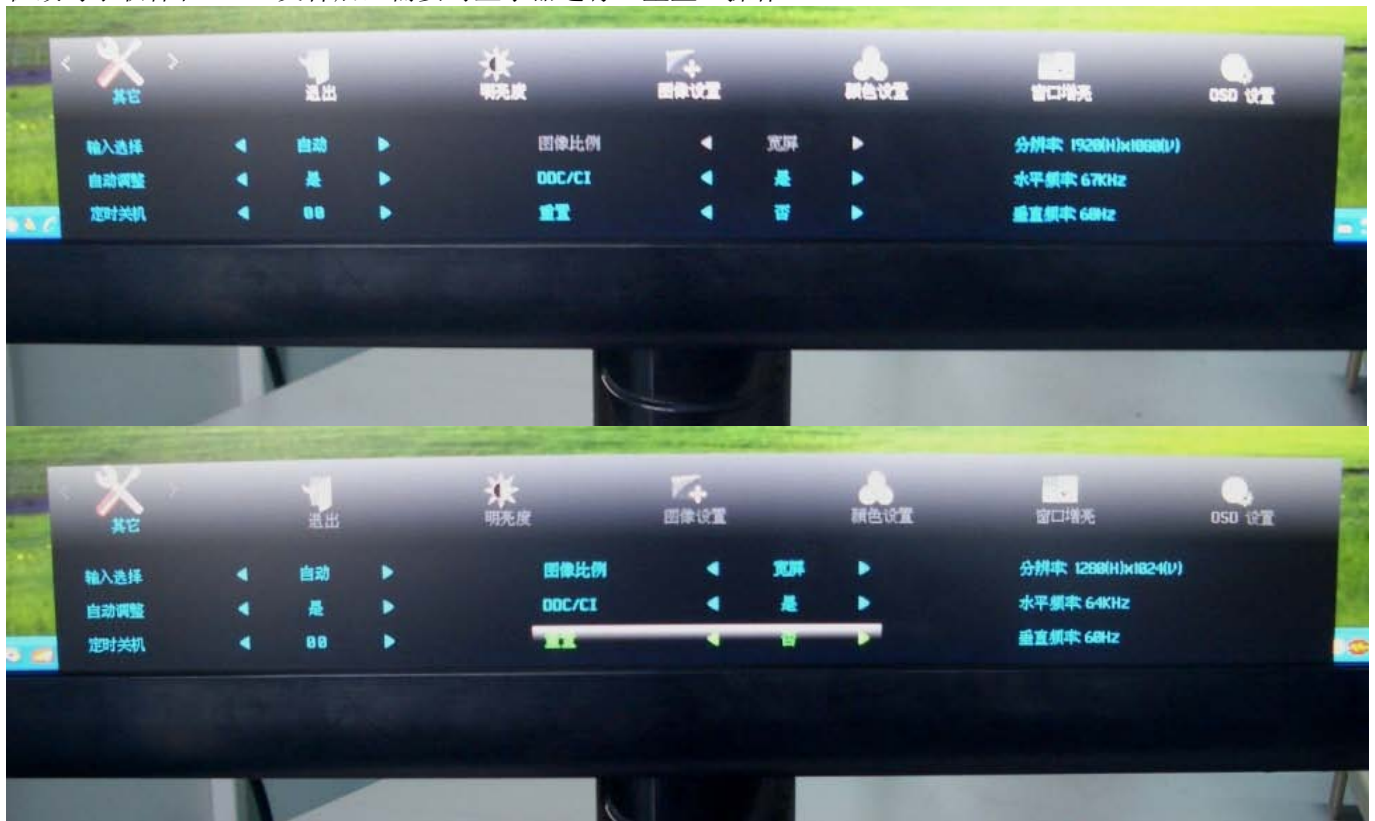
- 1、选中“AUTO LEVEL”先进行底光栅自动调整
- 2、按“MENU”选择 6500K 进行 R G B 增益调整
 $x = 313 \pm 30, y = 329 \pm 30$

调整sRGB色温

- 1、选中“AUTO LEVEL”先进行底光栅自动调整
- 2、按“MENU”选择 sRGB 进行 R G B 增益调整
 $x = 313 \pm 30, y = 329 \pm 30$

c.调整完毕退出工厂模式菜单。

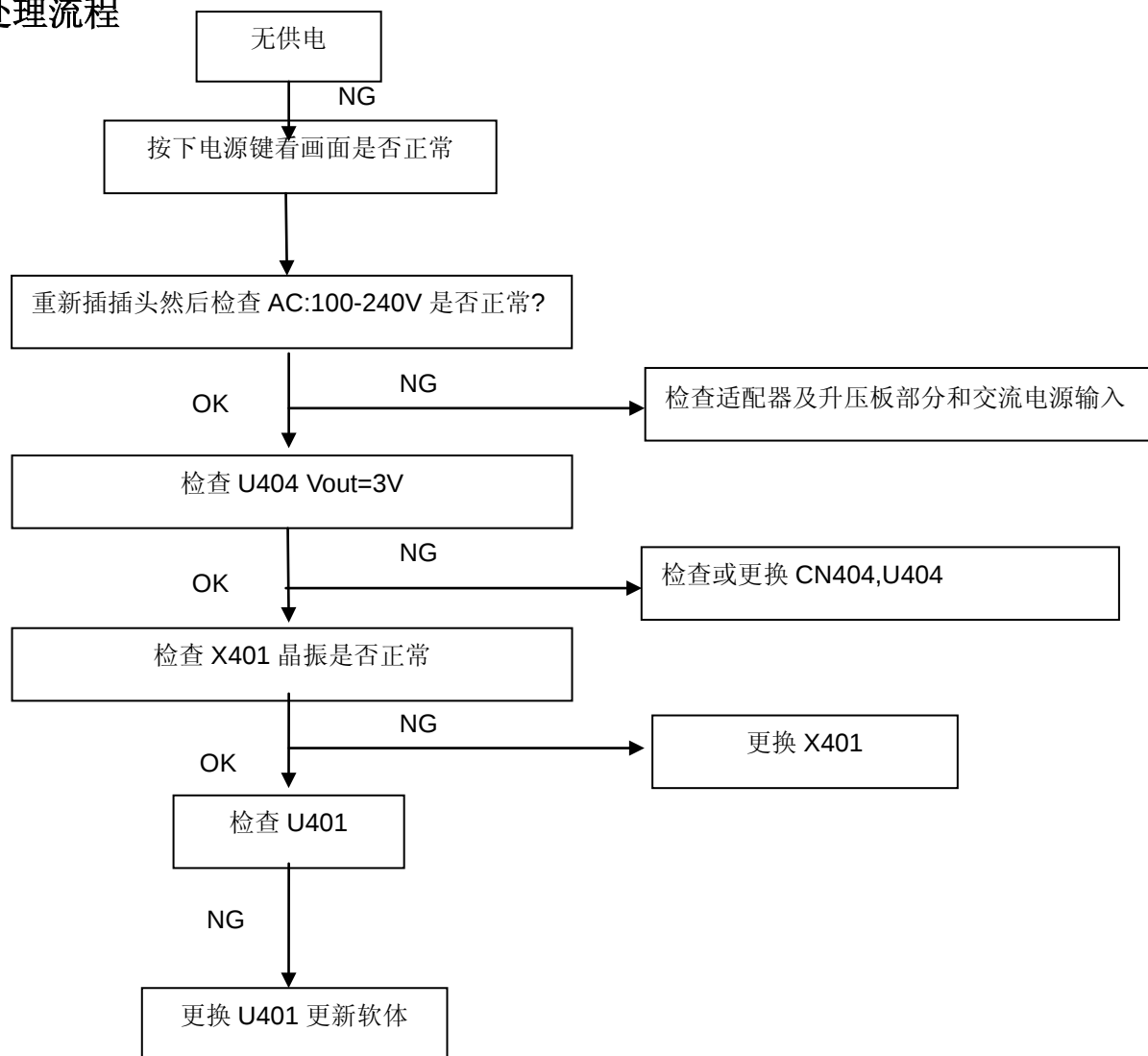
在改写了软体和 DDC 文件后，需要对显示器进行“重置”操作：



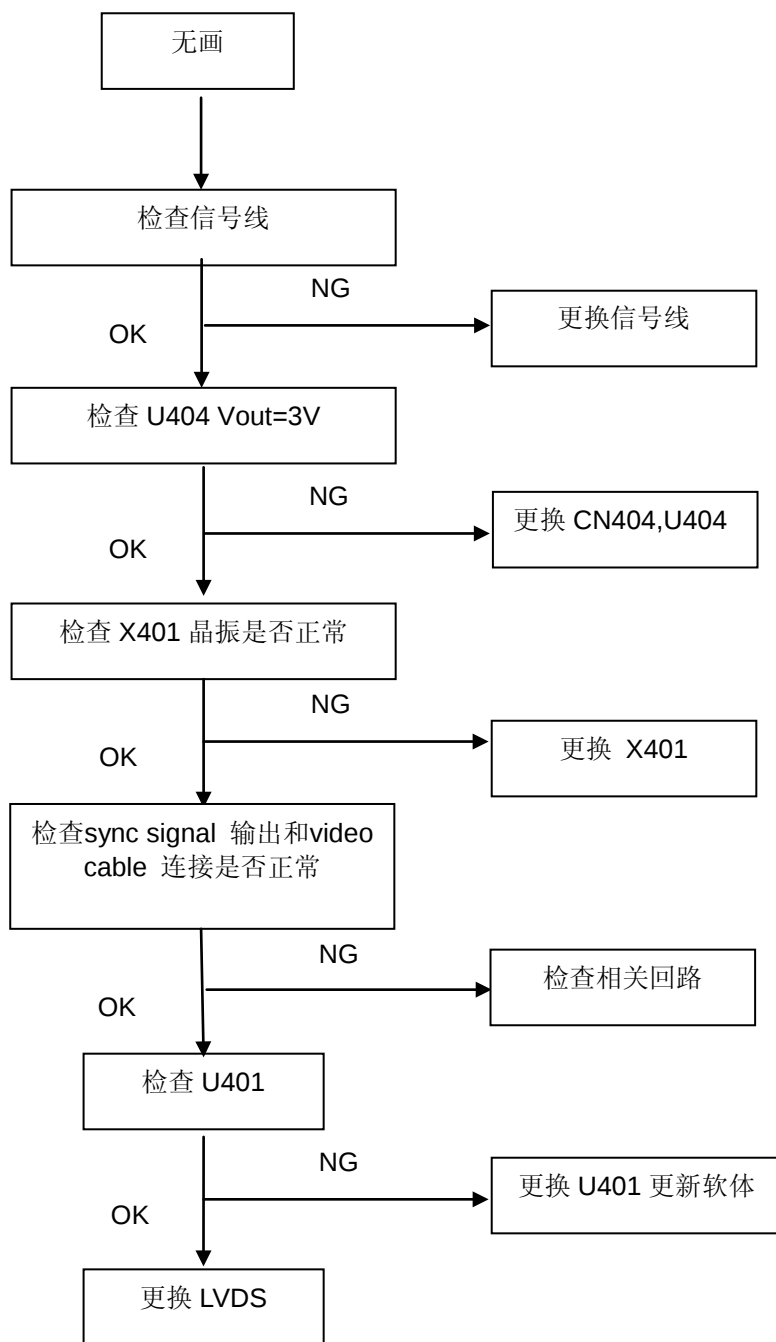
8.故障处理流程

8.1 主板

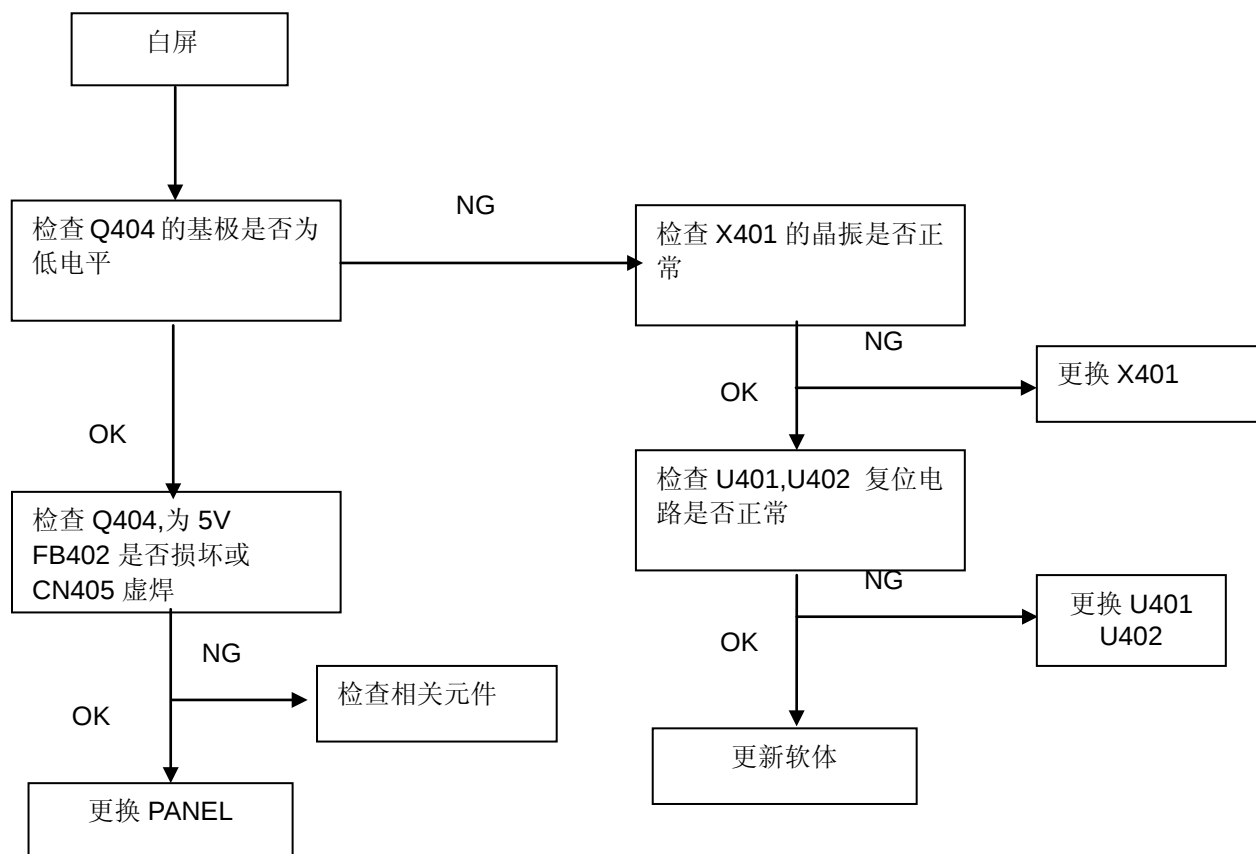
无供电



无画 (LED 橙色)

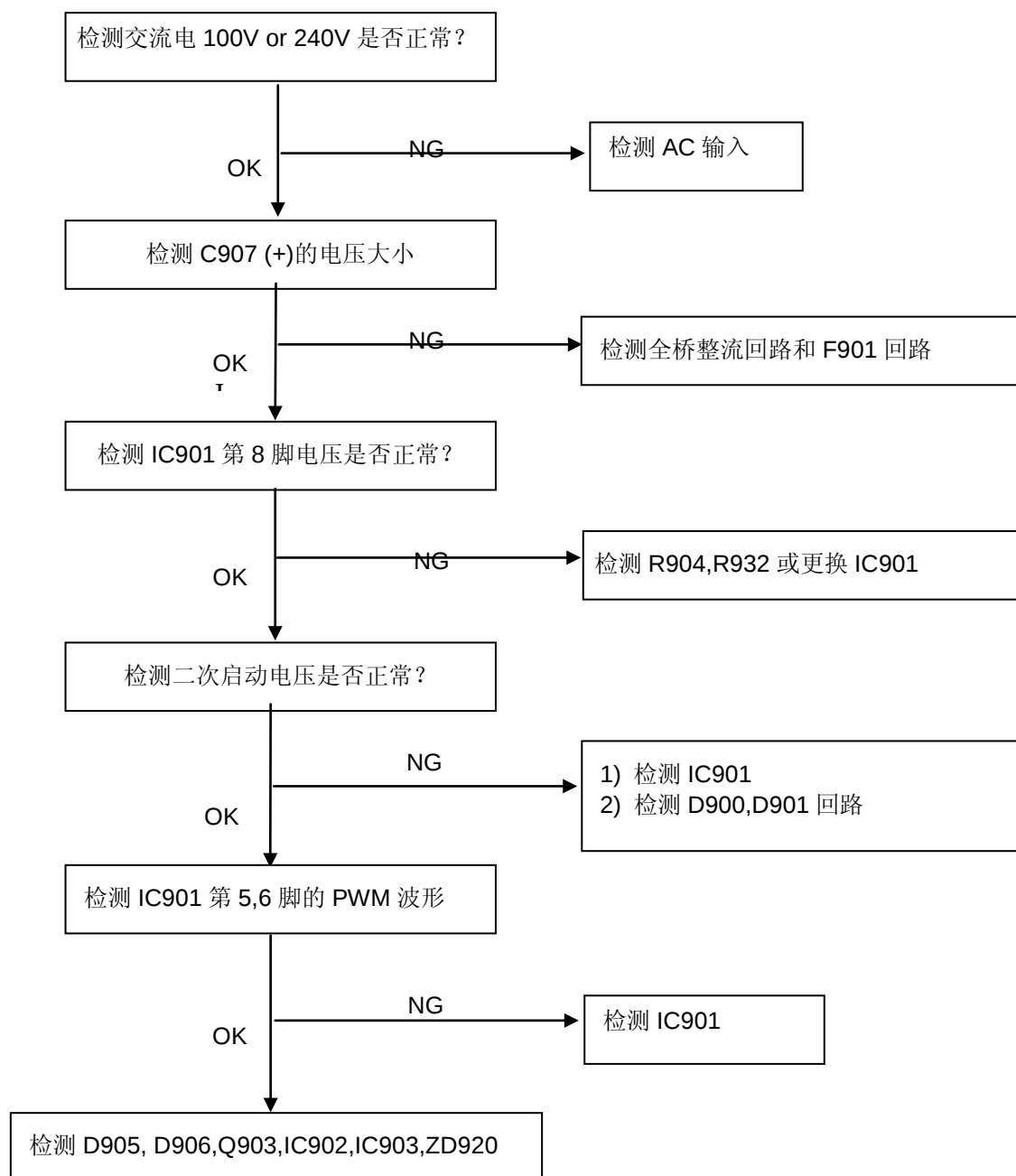


白屏

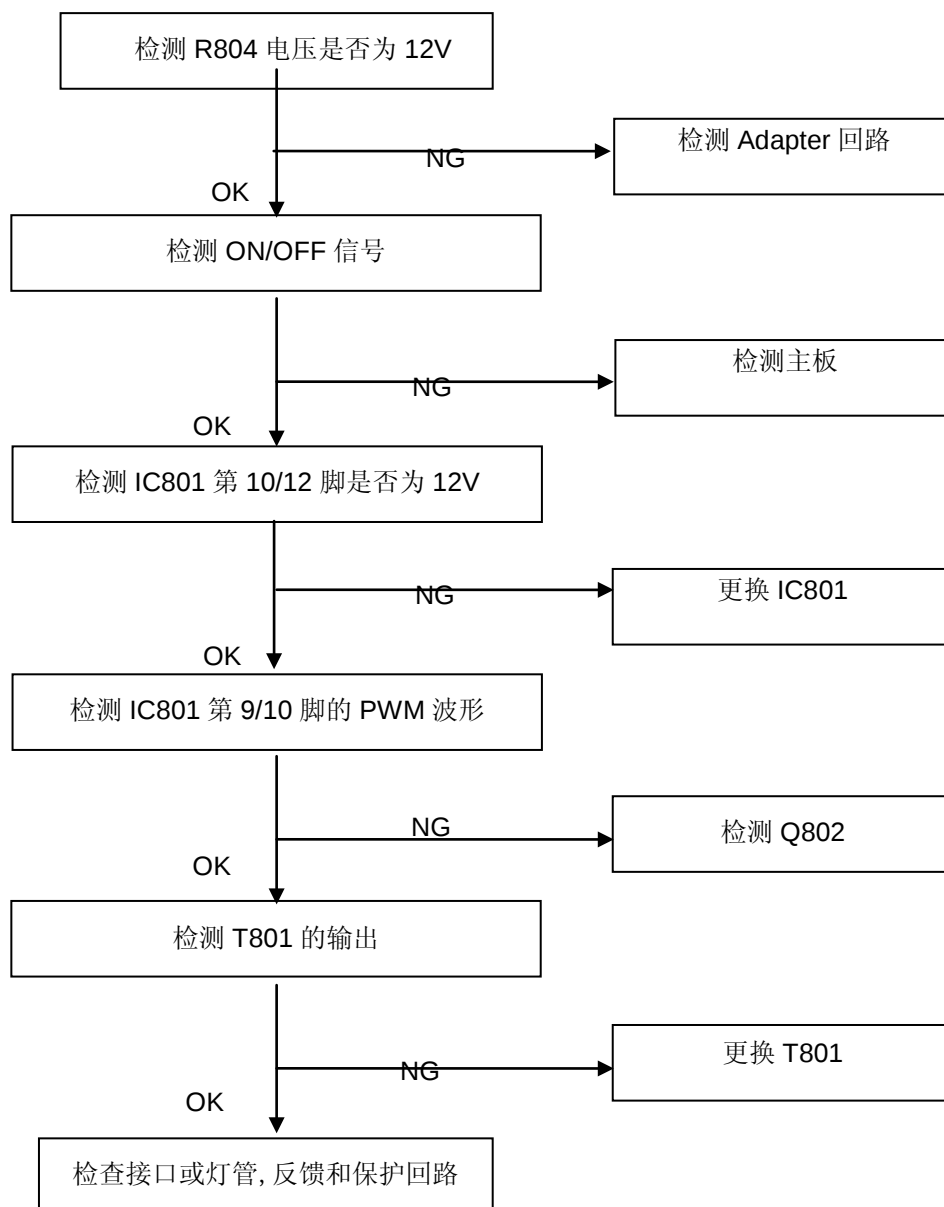


8.2 电源板

死机

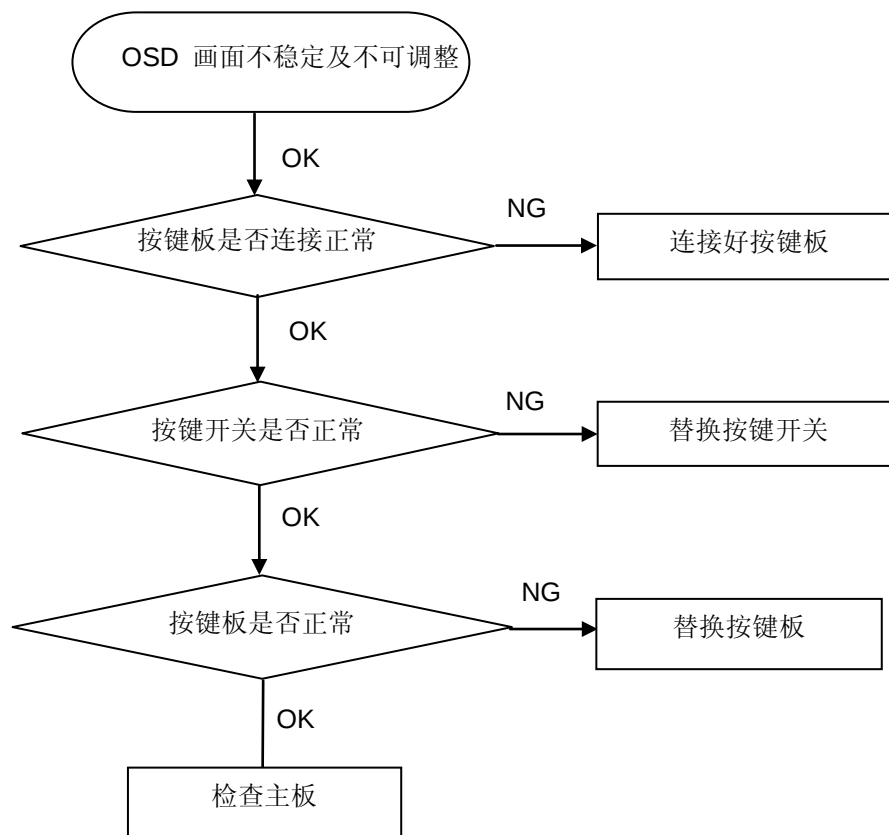


无背光



8.3 按键板

OSD 画面不稳定及不可调整



9.料件清单 BOM

注意：以下料件信息仅供参考，如有变更，恕不另行通知，请到 <http://cs.tpv.com.cn> 获取最新信息。

Model: T8BAR92YAGA1NNJ

点位	组件号	对象描述	数量 (CUn)
	040G 58160811A	GREEN DOT LABEL	1
	040G 581689 4A	BARCODE LABEL FOR 1	2
	052G 1207 A	ALUMINIUM TAPE	1
	052G 1211 B	Conductive Tape 85mm *40mm *0.09mm (单导)	2
E08902	089G 725HAA DB	D-SUB CABLE	1
E08901	089G414A15N HL	POWER CORD 1500MM China Reg	1
E09504	095G8014 6WE45	HARNESS 6P(CI1406S)-6P(2008) 140	1
	0M1G1030 6120	SCREW M3X6	5
	0M1G1030 8120	SCREW	1
	0M1G3030 6 47 CR3	SCREW	1
	0Q1G 140 12120	SCREW 4X12	1
	0Q1G 330 10120	SCREW FOR FP/RC 42-D003792	1
E750	750GBU185X1D04N000	LCD M185XW01 VD00 SH AUO	1
	756GJBCB AA005	MCU ASS'Y	2nd source
U402	056G2233501	FLASH MX25L2026DM1I-12G 2Mb SOP-8	2nd source
SMTCR-U402	100GARA8000B11	AOC_e950Sw_RTD2270LW_AUO_M185XW01	2nd source
	A15G1587101	HINGE PLATE FOR 50TH	2nd source
	A33G1181ABJ 1L	KNOB Function Button	2nd source
	A33G1182 1 1C	LENS Power	2nd source
	A33G1183ABJ 1L	STAND	1
	A33G1184ABJ 1L	COVER Hinge	1
	A34G2528AEDA1B7010	BEZEL FOR 50TH 18.5W	1
	A34G2529ABJ 1B7010	REAR COVER	1
	A34G2530ABJ 1B7010	STAND COVER	1
	A34G2531AED 1B7010	BASE FOR 50TH 18.5W	1
	A37G0241011	HINGE FOR 50TH 18.5W	1
	AM1G1740 10125	SCREW	4
	CBPCBR9A1J1	CONVERSION G4737-M01-000-0040-1-110318	1
CN408	033G3802 6B Y L	WAFER	1
CN404	033G3802 9B Y L	CONN 2.0 9P	1
	040G 45762412B	CBPC LABEL	1
CN101	088G 35315FVCL	D-SUB CONN 15P V/T 10.5mm WITH SCREW	1
X401	093G 22 53 YC	Crystal 14.31818MHz/32PF 49U/S YC	1
CN405	311GW200C30ABL	WAFER 2.0mm 2*15P	1
	AIGBR9A1J1	MAIN BOARD FOR AI	1
C427	067G305M1013CB	EC 100UF 20% 16V 6.3*7	1
C426	067G305M1013CB	EC 100UF 20% 16V 6.3*7	1
C421	067G305M1013CB	EC 100UF 20% 16V 6.3*7	1
C423	067G305M1013CB	EC 100UF 20% 16V 6.3*7	1
	SMTCBR9A1J1	MAIN BOARD FOR SMT	1
U401	056G 562431	SCALER RTD2270LW-CG LQFP-64	1
U406	056G 563149	IC G903T63UF 0.6A/3.3V SOT-223	1
U103	056G 662 48	ESD PROTECT AZC399-04S.R7G SOT23-6L	1
U102	056G 662 48	ESD PROTECT AZC399-04S.R7G SOT23-6L	1
U403	056G1133 56	M24C16-WMN6TP	1
U405	056G1133531	EEPROM FM24C02A-SO-T-G 2K SOP-8	1
U402	056G2233501	FLASH MX25L2026DM1I-12G 2Mb SOP-8	1
Q402	057G 417517	Tra LMBT3906LT1G -200mA/-40V SOT-23 LRC	1
Q403	057G 417517	Tra LMBT3906LT1G -200mA/-40V SOT-23 LRC	1

Q404	057G 417517	Tra LMBT3906LT1G -200mA/-40V SOT-23 LRC	1
Q406	057G 417518	TRA LMBT3904LT1G 200mA/40V SOT-23 LRC	1
Q407	057G 417518	TRA LMBT3904LT1G 200mA/40V SOT-23 LRC	1
Q409	057G 417527	SMALLTRAN MMBT2907A -0.6 -60V SOT-23	1
Q410	057G 417527	SMALLTRAN MMBT2907A -0.6 -60V SOT-23	1
Q405	057G 763940	MOSFET AO3401A SOT-23	1
R401	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	1
R402	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	1
R481	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	1
R117	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R115	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R114	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R111	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R108	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R104	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R103	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R102	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R424	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R452	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R451	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R420	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R413	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R412	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R411	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R405	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	1
R109	061G0402102 JT	RST CHIP 1K 1/16W 5% TZAI YUAN	1
R442	061G0402102 JT	RST CHIP 1K 1/16W 5% TZAI YUAN	1
R487	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R441	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R440	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R439	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R437	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R435	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R433	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R414	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R410	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R408	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	1
R118	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	1
R436	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	1
R490	061G0402220 JT	RST CHIP 22R 1/16W 5% TZAI YUAN	1
R489	061G0402220 JT	RST CHIP 22R 1/16W 5% TZAI YUAN	1
R492	061G0402220 JT	RST CHIP 22R 1/16W 5% TZAI YUAN	1
R491	061G0402220 JT	RST CHIP 22R 1/16W 5% TZAI YUAN	1
R106	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	1
R105	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	1
R466	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	1
R469	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	1
R474	061G0402223 JT	RST CHIP 22K 1/16W 5% TZAI YUAN	1
R455	061G0402223 JT	RST CHIP 22K 1/16W 5% TZAI YUAN	1
R403	061G04023900FT	RST CHIP 390R 1/16W 1%	1
R421	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	1
R427	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	1
R428	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	1
R475	061G0402470 JY	RST CHIPR 47 OHM 5% 1/16W YAGEO	1

R476	061G0402470 JY	RST CHIPR 47 OHM 5% 1/16W YAGEO	1
R472	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	1
R473	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	1
R485	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	1
R454	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	1
R453	061G0402472 JT	RST CHIP 4K7 1/16W 5% TZAI YUAN	1
R116	061G0402750 JT	RST 0402 75R 5% 1/16W	1
R112	061G0402750 JT	RST 0402 75R 5% 1/16W	1
R107	061G0402750 JT	RST 0402 75R 5% 1/16W	1
R101	061G0603000 JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	1
R468	061G0603331 JT	RST 0603 330R 5% 1/10W	1
R471	061G0603471 JT	RST CHIPR 470OHM +-5% 1/10W TZAI YUAN	1
R479	061G1206000 JF	RST CHIPR MAX0R05 1/4W FENGHUA	1
R434	061G1206301 JT	RST CHIPR 300 OHM +-5% 1/4W TZAI YUAN	1
R477	061G1206301 JT	RST CHIPR 300 OHM +-5% 1/4W TZAI YUAN	1
C401	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C403	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C404	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C406	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C407	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C413	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C414	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C415	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C416	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C417	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C419	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C420	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C422	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C428	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C432	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C436	065G040210412K A	CAP CHIP 0402 100nF K 16V X7R	1
C418	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	1
C115	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	1
C114	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	1
C412	065G040220031J Y	CAP 0402 20PF 5% 50V NP0	1
C411	065G040220031J Y	CAP 0402 20PF 5% 50V NP0	1
C103	065G04022031J A	CAP 0402 22PF J 50V NPO	1
C102	065G04022031J A	CAP 0402 22PF J 50V NPO	1
C106	065G040222322K T	CAP MLCC 0402 22nF K 25V X7R	1
C408	065G040222415K T	CAP CHIP 0402 220nF K 16V X5R	1
C434	065G040222415K T	CAP CHIP 0402 220nF K 16V X5R	1
C429	065G0402224A5K T	CAP 0402 0.22UF K X5R	1
C101	065G040247312K A	CAP 0402 47NF 10% 16V X7R	1
C105	065G040247312K A	CAP 0402 47NF 10% 16V X7R	1
C107	065G040247312K A	CAP 0402 47NF 10% 16V X7R	1
C109	065G040247312K A	CAP 0402 47NF 10% 16V X7R	1
C110	065G040247312K A	CAP 0402 47NF 10% 16V X7R	1
C113	065G040247312K A	CAP 0402 47NF 10% 16V X7R	1
C104	065G040250931C Y	CAP 0402 5PF 0.25pF 50V NP0	1
C108	065G040250931C Y	CAP 0402 5PF 0.25pF 50V NP0	1
C111	065G040250931C Y	CAP 0402 5PF 0.25pF 50V NP0	1
FB402	071G 56K121 M	CHIP BEAD 120OHM 6A MGLB2012-120T-LF	1
FB401	071G 59B300 M	CHIP BEAD 0603 30ohm 25% 1000mA	1
FB101	071G 59K190 M	CHIP BEAD 0603 19R/500mA	1

FB102	071G 59K190 M	CHIP BEAD 0603 19R/500mA	1
FB103	071G 59K190 M	CHIP BEAD 0603 19R/500mA	1
D403	093G 64 42 L	DIODE LBAV70LT1G SOT-23 LRC	1
ZD402	093G 64 59 SU	ESD MLVS0603M04 0603	1
ZD403	093G 64 59 SU	ESD MLVS0603M04 0603	1
ZD404	093G 64 59 SU	ESD MLVS0603M04 0603	1
ZD103	093G 39GA01 T	RLZ5.6B	1
E715	715G4737M01000004C	MAIN PCB FR4 DS 72*65*1.6mm	1
	H40G 58461555A	win7+EPA+SILVER+TCO05 LABEL	1
	H44G8021101	EPS	1
	H44G8021201	EPS	1
	J07G 1 S106	WOODEN PALLET	1
	J12G8B03931	FOOT	2
	J15G1586101101	MAIN FRAME FOR 50TH 18.5W	1
	J40G 19T61573A	ID LABEL e950Sw	2
	J40G000261520A	CEL LABEL	1
	J40G000361545A	CARTON LABEL	1
	J41G780061585N	WARRANTY BOOKLET	1
	J44G6002 S152	paper plate	1
	J44G8021615 1A	CARTON	1
	J44G9003220 35	CORNER PAPER	1
	J45G 77 6	PE PACKING	1.73
	J45G9901609 3 N	EPE COVER	1
	J52G 1185A5A	BIG TAPE FOR CARTON	70
	J52G 1185A5B	BIG TAPE FOR CARTON	2nd source
	J52G1801 3 1A	MYLAR FOR UB	1
	J70G19C1615 1A	CD MANUAL e950Sw	1
	KEPCBJA1	KEY BOARD	1
LED001	081G 12 1F GP	LED Φ3mm 黄绿双色 GP32032M/G307-ZY-50-C	1
CN001	095G820H 6WE10	HARNESS 6P(SANW)-6P(2008) 120MM	1
	SMTKEPCBJA1	KEY BOARD FOR SMT	1
R002	061G0603000 FF	RST CHIPR MAX0R01 1/10W FENGHUA	1
R004	061G06031001FF	RST CHIPR 1 KOHM +-1% 1/10W FENGHUA	1
R001	061G06032001FF	RST CHIP 2KOHM 1% 1/10W FENGHUA	1
R003	061G06032001FF	RST CHIP 2KOHM 1% 1/10W FENGHUA	1
	AIKEPCBJA1	KEY BOARD FOR AI	1
SW001	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	1
SW002	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	1
SW003	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	1
SW004	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	1
SW005	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	1
E715	715G4747K0F000001C	KEY PCB FR1 SS 135*11*1.6mm	1
	PLPCA9361AHD4J	POWER G4744-P01-000-X-12-110128	1
GND1	009G6005 1	GROUND TERMINAL	1
	040G 45762412B	CBPC LABEL	2
U902	056G 139 3A	PC123Y22FZOF SHARP	1
NR901	061G 58120MEX	RST NTCR 12OHM +/-20% 4A XINGSHUN	1
C908	063G107K474 6S	0.47UF +-10%	1
C902	065G305M1023WR	CAP Y2 1000PF 20% 250V Y5U	1
C903	065G305M1023WR	CAP Y2 1000PF 20% 250V Y5U	1
C900	065G306M2222BP	CAP Y1 2.2NF 20% 250V Y5P	1
C907	067G 40Z47015K	EC 47UF 20% 450V 12.5*35	1
C907A	067G 40Z47015K	EC 47UF 20% 450V 12.5*35	1
C809	067G 415330 9K	EC 33UF 20% 100V ED 8*12	1

C801	067G215D3314KV	LOW ESR EC 330uF 25V M 10*12mm	1
C918	067G215D6814KV	EC 680UF 20% 25V 10*20	1
C922	067G215S4713KV	EC 470UF 20% 16V 10X13	1
L901	073G 174 65 H2	LINE FILTER 30mH MIN	1
L906	073G 253191 H	IND CHOKE 1.1uH DADON	1
L801	073G 253214 DN	CHOKE COIL 47UH 10% LZ.CC013.G01	1
T901	080GL22T 3 N3	X'FMR 490UH 7% 4UH YUVA-1656	1
CN901	087G 501 48 DL	AC SOCKET 3PIN + 3 Hole	1
BD901	093G 50460515	BRIDGE KBP308G-C 3A 800V KBP	1
D901	093G 60335	DIODE SR515 5A/150V DO-201AD	1
D902	093G 60335	DIODE SR515 5A/150V DO-201AD	1
CN902	095G 825 9D536	HARNESS 9P(SCN)-9P(2008) 80MM	1
	0Q1G 340 8140	SCREW 4.0x8.0	2
CN804	311GW200A06ABX	WAFER 2.0mm 6P	1
	705GJB57006	Q901 ASS'Y	1
	051G 200 1	OIL FOR DISAPPEAR	0.1
Q901	057G 667941	MOSFET P0765ATF 7 650 TO-220F	1
HS1	090G6064 1	HEAT SINK	1
	0M1G 930 8120	SCREW 3x8	1
	705GJB93006	Q906 ASS'Y	1
	051G 200 1	OIL FOR DISAPPEAR	0.1
D906	093G 60507	SCHOTTKY SRF1060 C0 10A 60V ITO-220AB	1
	0M1G 930 6120	screw	1
HS3	Q90G6084 3	heat sink	1
	PLA9361AHD4SMTJ	POWER BOARD FOR SMT	1
U901	056G 379529	AC/DC CONVERTER IC LD7576AGR SOP-7	1
U801	056G 700 11	LED DRIVER OZ9998BGN-A1-0-TR SOP-16	1
Q801	057G 763947	MOSFET APM8005KCTRG SOP-8	1
R811	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	1
RJ801	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	1
R804	061G0805100 JF	RST CHIPR 10 OHM +-5% 1/8W FENGHUA	1
R916	061G08051002FT	RST CHIP 10K 1/8W 1%	1
R806	061G0805102 JF	RST CHIPR 1K OHM +-5% 1/8W FENGHUA	1
R907	061G0805102 JT	RST CHIPR 1K OHM +- 5% 1/8W TZAI YUAN	1
R801	061G0805103 JF	RST CHIPR 10K OHM +-5% 1/8W FENGHUA	1
R818	061G0805103 JF	RST CHIPR 10K OHM +-5% 1/8W FENGHUA	1
R928	061G0805103 JF	RST CHIPR 10K OHM +-5% 1/8W FENGHUA	1
R918	061G0805103 JT	RST 0805 10K 5% 1/8W	1
R805	061G0805104 JT	RST CHIPR 100KOHM +- 5% 1/8W TZAI YUAN	1
R807	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	1
R808	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	1
R815	061G0805164 JF	RST 0805 160K 5% 1/8W	1
R810	061G08052002FT	RST CHIP 20K 1/8W 1%	1
R920	061G0805202 JT	RST CHIP 2K 1/8W 5% TZAI YUAN	1
R919	061G0805221 JF	RST CHIPR 220 OHM +-5% 1/8W FENGHUA	1
R803	061G0805304 JF	RST CHIPR 300KOHM +-5% 1/8W FENGHUA	1
R802	061G0805304 JF	RST CHIPR 300KOHM +-5% 1/8W FENGHUA	1
R809	061G08053303FT	RST CHIP 330K 1% 1/8W	1
R905	061G0805471 JT	RST CHIPR 470OHM +-5% 1/8W TZAI YUAN	1
R816	061G08056201FF	RST CHIPR 6.2KOHM +-1% 1/8W FENGHUA	1
R925	061G08059101FT	RST CHIP 9K1 1/8W 1%	1
F801	061G1206000 JT	RST CHIPR MAX0R05 1/4W TZAI YUAN	1
R917	061G1206100 JT	RST CHIPR 10 OHM +-5% 1/4W TZAI YUAN	1
R812	061G12061007FT	RST 1206 0.1R 1% 1/4W	1

R813	061G12061007FT	RST 1206 0.1R 1% 1/4W	1
R814	061G12061009FF	RST CHIP 10 OHM 1% 1/4W FENGHUA	1
R910	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	1
R912	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	1
R929	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	1
R930	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	1
R909	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	1
R903	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	1
R911	061G1206103 JF	RST CHIPR 10KOHM +-5% 1/4W FENGHUA	1
R908	061G1206103 JT	RST CHIPR 10KOHM +-5% 1/4W TZAI YUAN	1
R913	061G1206109 JT	RST CHIPR 1 OHM +-5% 1/4W TZAI YUAN	1
R923	061G1206221 JT	RST CHIPR 220 OHM +-5% 1/4W TZAI YUAN	1
R902	061G1206624 JF	RST CHIPR 620KOHM +-5% 1/4W FENGHUA	1
R901	061G1206624 JF	RST CHIPR 620KOHM +-5% 1/4W FENGHUA	1
R900	061G1206624 JF	RST CHIPR 620KOHM +-5% 1/4W FENGHUA	1
R817	061G1206681 JT	RST CHIPR 680 OHM +-5% 1/4W TZAI YUAN	1
C812	065G080510131J F	CAP CHIP 0805 100PF J 50V NPO	1
C923	065G080510232K F	CAP 0805 1000PF 10% 50V X7R	1
C914	065G080510232K Y	CAP CHIP 0805 1N 50V X7R +/-10%	1
C906	065G080510232K Y	CAP CHIP 0805 1N 50V X7R +/-10%	1
C803	065G080510232K Y	CAP CHIP 0805 1N 50V X7R +/-10%	1
C815	065G080510232K Y	CAP CHIP 0805 1N 50V X7R +/-10%	1
C915	065G080510332K Y	CAP CHIP 0805 10N 50V X7R +/-10%	1
C802	065G080510332K Y	CAP CHIP 0805 10N 50V X7R +/-10%	1
C924	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	1
C814	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	1
C926	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	1
C912	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	1
C813	065G080522131J F	CAP CHIP 0805 220PF J 50V NPO	1
C807	065G080522432K Y	CAP CHIP 0805 220N 50V X7R +/-10%	1
C806	065G080522432K Y	CAP CHIP 0805 220N 50V X7R +/-10%	1
C927	065G080547332K F	CAP CHIP 0805 47NF K 50V X7R	1
C811	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	1
C810	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	1
C804	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	1
C808	065G120610171J Y	CAP 1206 100PF 5% 500V NP0	1
C916	065G120622272K Y	CER 1206 2N2 500V X7R 10%	1
C917	065G120622272K Y	CER 1206 2N2 500V X7R 10%	1
C928	065G120622272K Y	CER 1206 2N2 500V X7R 10%	1
C929	065G120622272K Y	CER 1206 2N2 500V X7R 10%	1
D801	093G 60S907 T	SCHOTTKY B3100B 3A 100V SMB	1
	PLA9361AHD4AIJ	POWER BOARD FOR AI	1
CN901	006G 31500	EYELET	3
	040G 45762412B	CBPC LABEL	1
IC903	056G 158 10 T	LDO IC AZ431AZ-AE1 TO-92 150MA 40V TO-92	1
Q904	057G 530503 T	2SD1207T	1
R915	061G 17222052T TZ	RST CFR 22R 5% 1/4W	1
R906	061G152M10452T SY	RST MOFR 100KOHM +-5% 2WS FUTABA	1
R904	061G152M25152T SY	RST MOF 250R 5% 2W	1
R924	061G152M47852T SY	RST MOFR 0.47 OHM +-5% 2WS FUTABA	1
C911	065G 2K152 2T6921	CAP CER 1500pF K 2KV Y5P	1
C805	065G250K1052HT	CAP CER 1UF 10% 25V X7R	1
C816	065G517K102 2T6921	CAP CER 1000PF K 500V Y5P	1
C920	067G 2046812KT	CS CAP 680uF 10V 8*11 mm	1

C913	067G215Y4707KT	EC 47uF 20% 50V 6.3*11mm	1
FB801	071G 55 29	FERRITE BEAD	1
FB802	071G 55 29	FERRITE BEAD	1
FB901	071G 55 29	FERRITE BEAD	1
FB902	071G 55 29	FERRITE BEAD	1
FB903	071G 55 29	FERRITE BEAD	1
F902	084G 56 4 B	FUSE 4A 250V	1
F901	084G 56 4 B	FUSE 4A 250V	1
ZD901	093G 3916852T	ZENER MTZJ T-72 22B 22V 0.5W DO-34	1
D904	093G 6026T52T	CTIFIER DIODE FR107	1
D903	093G 6026T52T	CTIFIER DIODE FR107	1
D907	093G 6452452T	SWITCHING 1N4148-B4006 0.2A 100V DO-35	1
J812	095G 90 23	JUMPER WIRE	1
J813	095G 90 23	JUMPER WIRE	1
J815	095G 90 23	JUMPER WIRE	1
J901	095G 90 23	JUMPER WIRE	1
J902	095G 90 23	JUMPER WIRE	1
J903	095G 90 23	JUMPER WIRE	1
J904	095G 90 23	JUMPER WIRE	1
J905	095G 90 23	JUMPER WIRE	1
J906	095G 90 23	JUMPER WIRE	1
J907	095G 90 23	JUMPER WIRE	1
J908	095G 90 23	JUMPER WIRE	1
J909	095G 90 23	JUMPER WIRE	1
J910	095G 90 23	JUMPER WIRE	1
J921	095G 90 23	JUMPER WIRE	1
J811	095G 90 23	JUMPER WIRE	1
J801	095G 90 23	JUMPER WIRE	1
J802	095G 90 23	JUMPER WIRE	1
J803	095G 90 23	JUMPER WIRE	1
J804	095G 90 23	JUMPER WIRE	1
J805	095G 90 23	JUMPER WIRE	1
J806	095G 90 23	JUMPER WIRE	1
J807	095G 90 23	JUMPER WIRE	1
J808	095G 90 23	JUMPER WIRE	1
J809	095G 90 23	JUMPER WIRE	1
J810	095G 90 23	JUMPER WIRE	1
E715	715G4744P01000001C	PWR PCB FR1 SS 195*132*1.6MM	1
	Q51G 6 4509	GLUE_RTV	1
	Q12G6600 6	FOOT	4
	Q52G6025 13155	MYLAR	1
E09501	S95G80183E51	HARNESS 30P-30P(2004) 160MM	1