



SERVICE MANUAL

B24BFH / B24BSW

24M2030/2MT700G0MNAN

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1. Caution.....
 2. specification.....
 3. Alignment Procedure.....
 4. Block diagram.....
 5. Scheme Diagram
 6. Troubleshooting.....
 7. Explode drawing.....

This manual is the latest at the time of printing, and does not include the modification which may be made after the printing, by the constant improvement of product

1. CAUTION

CAUTION:

Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.



CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN.



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, with an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION:

Read all of these instructions. Save these instructions for later use. Follow all Warnings and Instructions marked on the audio equipment.

1. Read Instructions-All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions- All operating and use instructions should be followed.

FOR YOUR PERSONAL SAFETY

1. When the power cord or plug is damaged or frayed, unplug this monitor from the wall outlet and refer servicing to qualified service personnel.
2. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
3. Do not allow anything to rest on or roll over the power cord, and do not place the monitor where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
4. Do not attempt to service this monitor set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. Never push objects of any kind into this monitor television set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the monitor.
6. If the television set has been dropped or the cabinet has been damaged, unplug this monitor from the wall outlet and refer servicing to qualified service personnel.
7. If liquid has been spilled into the monitor, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
8. Do not subject your monitor to impact of any kind. Be particularly careful not to damage the picture tube surface.
9. Unplug this monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
10. a) Do not place this monitor on an unstable cart, stand, or table. The monitor may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



PROTECTION AND LOCATION OF YOUR SET

11. Do not use this monitor water ... for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer servicing to qualified service personnel.
12. Choose a place where light (artificial or sunlight) does not shine directly on the screen.
13. Avoid dusty places, since piling up of dust inside monitor chassis may cause failure of the set when high humidity persists.
14. The set has slots, or openings in the cabinet for ventilation purposes, to provide reliable operation of the receiver, to protect it from overheating. These openings must not be blocked or covered.
 - Never cover the slots or openings with cloth or other material.
 - Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
 - Never place the set near or over a radiator or heat register.
Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

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OPERATION OF YOUR MONITOR

18. This monitor should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your monitor dealer or local power company.
19. If the monitor does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the monitor to normal operation.
20. When going on a holiday : If your monitor is to remain unused for a period of time, for instance, when you go on a holiday, turn the monitor off and unplug the television set from the wall outlet.

IF THE SET DOES NOT OPERATE PROPERLY

21. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.
22. Whenever the monitor is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
23. It is normal for some monitors to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.

FOR SERVICE AND MODIFICATION

24. Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
25. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
26. Upon completion of any service or repairs to the monitor, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

Technical Specifications	CIARA Monitor B24BS - 5.5 24M2030D FHD 120Hz CSOT SG2381B04-1 VH.2 IPS 2MT700G0MNAN 1H1DP1C (PD15W) 4d audio out + SPK + H-13 内置电源 EPEAT Gold / TCO10.0
Item/example	
Panel Size	Panel Size
23.8 inch / 60.45 cm	23.8 inch / 60.45 cm
Aspect ratio	Aspect ratio
21:09	16:9
LCD panel type	LCD panel type
VA LCD	IPS LCD
Backlight type	Backlight type
W-LED system	W-LED system
Pixel pitch	Pixel pitch
0.23175 x 0.23175 mm	0.2745 x 0.2745 mm
Brightness	Brightness
350 cd/m	300 nit (typ.)
Display colors	Display colors
16.7 M (8 bit)	16.7 M (6 bit + FRC)
Display colors	Display colors
NTSC 100%*, sRGB 120%*	99% sRGB (typ.)
Static Contrast ratio (typical)	Contrast ratio (typical)
3000:1	1500:1 (typ.)
Dynamic Contrast ratio (typical)	Display colors
50,000,000:1	1,000,000
Response time (typical)	Response time (typical)
4 ms (Gray to Gray)*	4mS (GtG)
Viewing angle	Viewing angle
178 (H) / 178 (V) @ C/R > 10	178° (H) / 178° (V)
Picture enhancement	Picture enhancement
SmartImage	No
Picture enhancement	Picture enhancement
HDMI: 3440 x 1440 @ 100 Hz; DP/USB-C: 3440 x 1440 @ 120 Hz	HDMI: 1920 x 1080 @ 60-120 Hz; DP/USB-C: 1920 x 1080 @ 60-120 Hz
Effective viewing area	Effective viewing area
797.22 (H) x 333.72 (V) - at a 1500R curvature*	527.04(H) x 296.46(V) mm
Scanning Frequency	Scanning Frequency
HDMI: 30 - 160 kHz (H) / 48 - 100 Hz (V); DP/USB-C: 30 - 190 kHz (H) / 48 - 120 Hz (V)	provide later
sRGB	sRGB
Yes	99% (typ.)
Delta E	Delta E
< 2 (for sRGB)	<3 (for sRGB)
Flicker-free	Flicker-free
Yes	Yes
Pixel Density	Pixel Density
110 PPI	92 PPI
LowBlue Mode	LowBlue Mode
Yes	Yes
Display Screen Coating	Display Screen Coating
Anti-Glare, 3H, Haze 25%	Anti-Glare, 3H, Haze 25%
SmartUniformity	SmartUniformity
93 ~ 105%	No
EasyRead	EasyRead
Yes	No
Adaptive sync	Adaptive sync
Yes	Yes
Connectivity	
Signal Input	Signal Input

HDMI 2.0 x 1, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD up to 100 W)	HDMI 2.0 x 1, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD up to 15 W), upstream USB-C x 1, downstream USB-A x 4
Sync Input	Sync Input
Separate Sync	No
Audio (In/Out)	Audio (In/Out)
Audio out / Microphone in combo jack	Audio out
RJ45	RJ45
Ethernet LAN up to 1G*, Wake on LAN	No
HDCP	HDCP
HDCP 1.4 (HDMI / DisplayPort / USB-C); HDCP 2.2 (HDMI / DisplayPort / USB-C)	HDCP 2.1 (HDMI / DisplayPort / USB-C)
HBR3	HBR3
HBR 3 (DisplayPort / USB-C)	No
USB Hub	USB Hub
USB 3.2, Gen 2 / 10 Gbps, USB-C upstream x 1 (Data), USB-A downstream x 4 (with 1 for fast charge B.C 1.2), USB-C downstream x 1 (Data, PD 15W)	USB 3.2, Gen 1 / 5 Gbps, USB-C upstream x 2 (Data), USB-A downstream x 4 (with 1 for fast charge B.C 1.2)
Power Delivery	
Max power delivery	Max power delivery
USB-C up to 100 W* (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.8A)	USB-C up to 15 W* (5V/3A)
Version	Version
USB PD version 3.0	USB PD version 3.0
Convenience	
Built-in Speakers	Built-in Speakers
5 W x 2	2 W x 2
Plug & Play Compatibility	Plug & Play Compatibility
DDC/CI	Yes
Mac OS X	Is it referring to MAC system compatibility
sRGB	Referring to the optical gamut?
Windows 11 / 10 / 8.1 / 8 / 7	WHQL certification?
User convenience	User convenience
SmartImage	No
Input	No
User	No
Menu	Yes
Power On/Off	Yes
OSD Languages	OSD Languages
Brazil Portuguese	Yes
Czech	NO
Dutch	Yes
English	Yes
French	Yes
Finnish	Yes
German	Yes
Greek	NO
Hungarian	Yes
Italian	Yes
Japanese	Yes
Korean	Yes
Portuguese	Yes
Polish	Yes
Russian	Yes
Simplified Chinese	Yes
Spanish	Yes
Swedish	NO
Traditional Chinese	Yes
Turkish	Yes
Ukrainian	NO
User convenience	User convenience

Kensington lock	Yes
VESA mount (100x100mm)	Yes
Control software	Control software
SmartControl	No
MultiView	
PIP/PBP mode	No
2x devices	No
Control software	Control software
Pop-up 5.0 megapixel camera with microphone and LED indicator (for Windows Hello)	Without Camera
KVM	KVM
Yes (USB-C/USB-C)	No
Noise cancellation	Noise cancellation
Yes	No
Stand	
Height adjustment	Height adjustment
180 mm	120 mm
Swivel	Swivel
-/+180 degree	± 30 degree
Tilt	Tilt
-5/25 degree	-5/20 degree
Power	
ECO mode	ECO mode
31 W (typ.)	provide later
Power supply	Power supply
Built-in	Built-in
100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Off mode	Off mode
Zero watts with AC switch	No
On mode	On mode
35 W (typ.) (EnergyStar test method)	provide later
Standby mode	Standby mode
0.3 W (typ.)	0.3 W (typ.)
Power LED indicator	Power LED indicator
Operation - White	Operation - Blue
Standby mode- White (blinking)	Standby mode- Orange
Off mode- Lights off	Off mode- Lights off
Dimensions	
Packaging in mm (WxHxD)	Packaging in mm (WxHxD)
904 x 525 x 282 mm	600*470*125
Product without stand (mm)	Product without stand (mm)
807 x 367 x 110 mm	539.8*320.02*53
Packaging in inch (WxHxD)	Packaging in inch (WxHxD)
25.6 x 20.7 x 11.1 inch	23.62*18.50*4.92
Product without stand in inch	Product without stand in inch
31.8 x 14.4 x 4.3 nch	21.26*12.59*2.08inch
Product with stand(max height)	Product with stand(max height)
807 x 601 x 250 mm	539.8*514.85*195mm
Product with stand(max height)	Product with stand(max height)
31.8 x 23.7 x 9.8 inch	21.26*20.27*7.68inch
Weight	
Product with packaging (kg)	Product with packaging (kg)
15.38 kg	5.5
Product with stand (kg)	Product with stand (kg)
11.71 kg	4.1
Product with packaging (lb)	Product with packaging (lb)
33.84 lb	12.2
Product with stand (lb)	Product with stand (lb)

25.76 lb	9.1
Product without stand (kg)	Product without stand (kg)
8.04 kg	2.5
Product without stand (lb)	Product without stand (lb)
17.69 lb	5.5
Operating conditions	
Altitude	Altitude
Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)	1. -25°C/53.9 kPa (5000m) /16.5h/power off 2. 40°C/53.9 kPa (5000m) /16.5h/power on
Temperature range (operation)	Temperature range (operation)
0C to 40 C	0-40°C
Relative humidity	Relative humidity
20%-80 %	20-93%
Temperature range (storage)	Temperature range (storage)
.-20C to 60 C	-20-55°C
MTBF (demonstrated)	MTBF (demonstrated)
70,000 hrs (excluded backlight)	50,000 hrs (excluded backlight)
Sustainability	
Environmental and energy	Environmental and energy
PowerSensor	No
LightSensor	No
EnergyStar 8.0	EnergyStar 8.0
CEC	Yes
ERP	Yes
EPEAT*	EPEAT gold
TCO Certified	TCO 10.0
RoHS	RoHS
Post consumer recycled plastic	Post consumer recycled plastic
85%	85%
Recyclable packaging material	Recyclable packaging material
100%	100%
Specific Substances	Specific Substances
Mercury free	
PVC / BFR free housing	
Compliance and standards	
Regulatory Approvals	Regulatory Approvals
CB	No
CE Mark	Yes
cTUVus	Yes
FCC Class B	Yes
ICES-003	Yes
CU-EAC	No
EAEU RoHS	Yes
TUV Ergo	No
TUV/GS	No
TUV Eye Comfort certified	Yes
ISO 9241-307	Yes
Flicker Free Screen with Anti-Glare	Yes
Low Blue-Light filter	Yes
Eye Care	Yes
Comfort Filters	Yes
WHQL	Yes
Cabinet	
Finish	Finish
Texture	Matte
Foot	Foot
Black	Black
Front bezel	Front bezel
Black	Black

Rear cover	Rear cover
Black	Black
Package Color	Package Color
Colorful or brown	brown

MNT Upgrade SOP

一、Preliminary preparation

(前期准备)

1. Physical tools: Serial port board,USB cable,HDMI cable,PC,Monitor to be upgraded

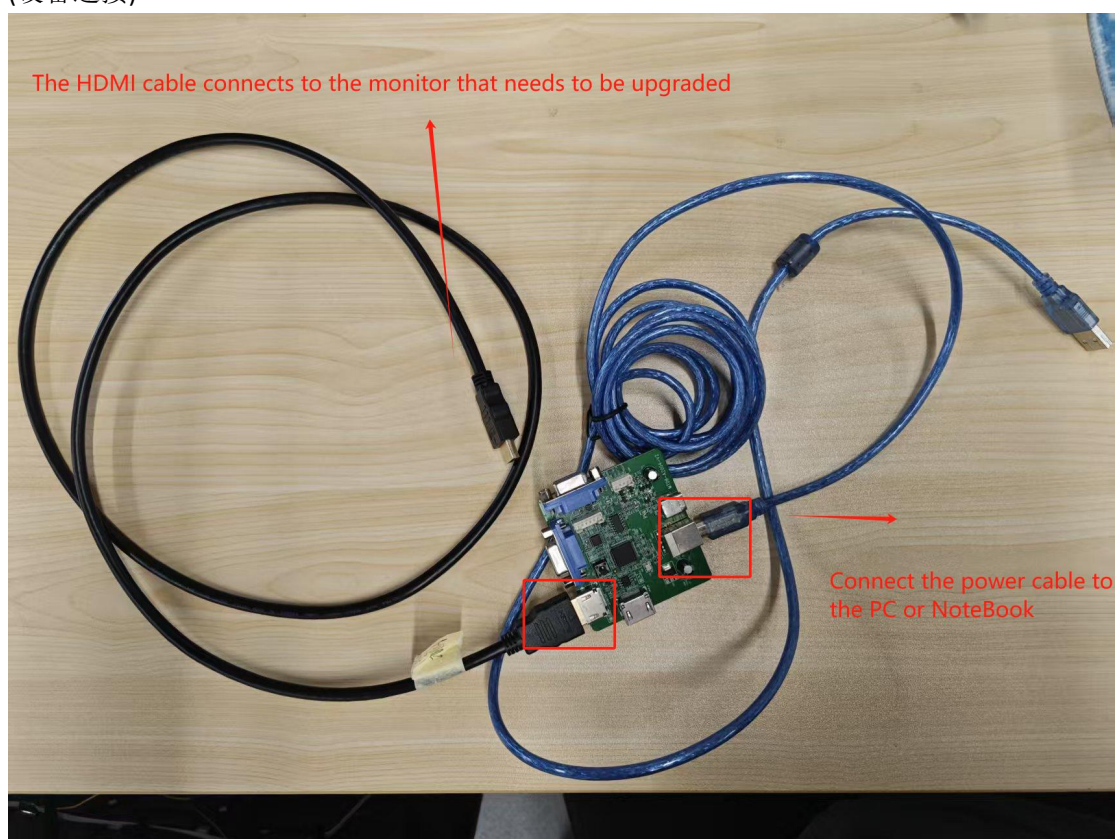
(物理工具：串口板、USB 连接线、HDMI 线、主机、所需升级显示器)

2. Upgrade tool: ISP_Tool(v5.4.9)

(软件升级工具 ISP_Tool(v5.4.9))

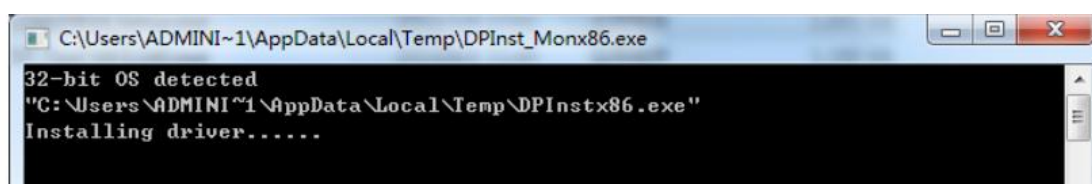
3. Connection:

(设备连接)



4. If you need to install the driver for the first time, Double-click to open  CDM20814_Setup.exe , the following dialog box appears, indicating that the installation is underway.

(首次使用需要安装驱动，双击打开  CDM20814_Setup.exe ，出现如下对话框，表示正在安装...)



If the following message is displayed, the installation is complete (the dialog box automatically disappears)

```
32-bit OS detected
"C:\Users\ADMINI~1\AppData\Local\Temp\DPInstx86.exe"
Installing driver.....
FTDI CDM Driver Installation process completed.
```

二、Upgrade process

(升级流程)

1. Decompress the software package to the bin package

(软件包解压为 bin 包)

	V8-MJ970YM-Y01V002_SG215HB07_1_20250122_0...	2025/1/22 15:59	BIN 文件
	V8-MJ970YM-Y01V002_SG215HB07_1_20250122_0...	2025/1/24 10:00	WinRAR ZIP 压缩...

2. Upgrade process

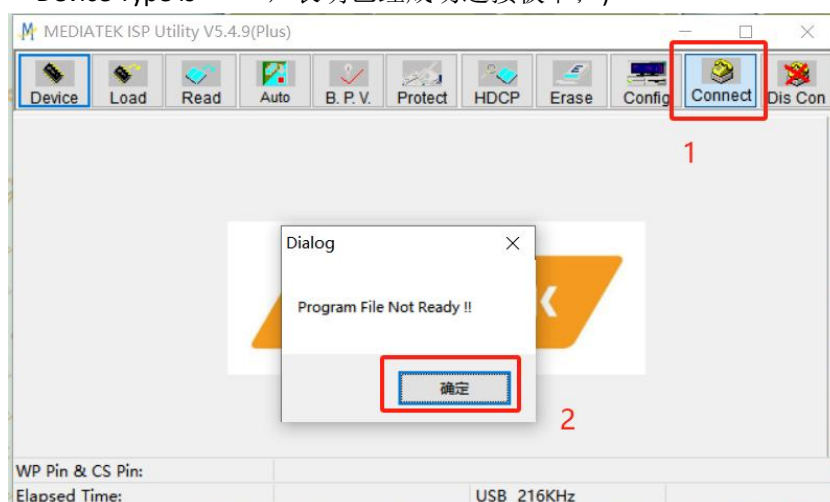
(升级流程)

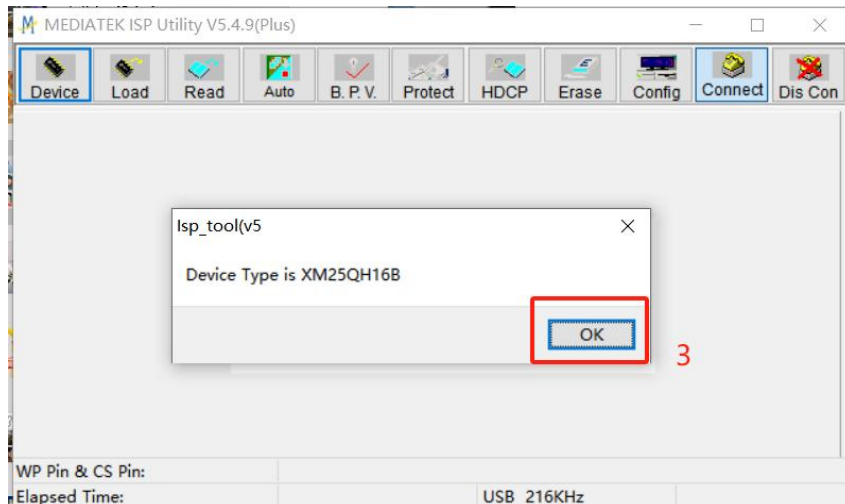
- 1) Open the burning tool  ISP_Tool(v5.4.9).exe and enter the burning interface;

(打开烧录工具  ISP_Tool(v5.4.9).exe , 进入烧录界面)

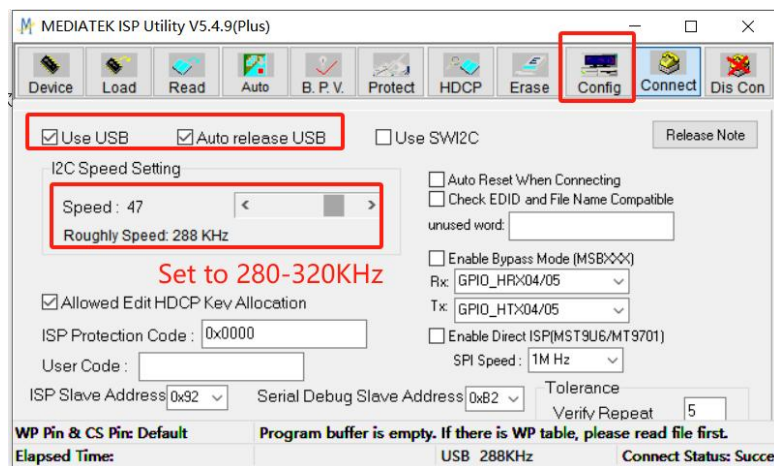
- 2) Connect the board, click Connect, if the message "Program File Not Ready!!" Click OK. Until "Device Type is..." appears ", indicating that the board is successfully connected;

(连接板卡, 点击 **Connect**, 若提示" Program File Not Ready!!" , 点击确定即可。直至出现 "Device Type is ..." , 表明已经成功连接板卡;)

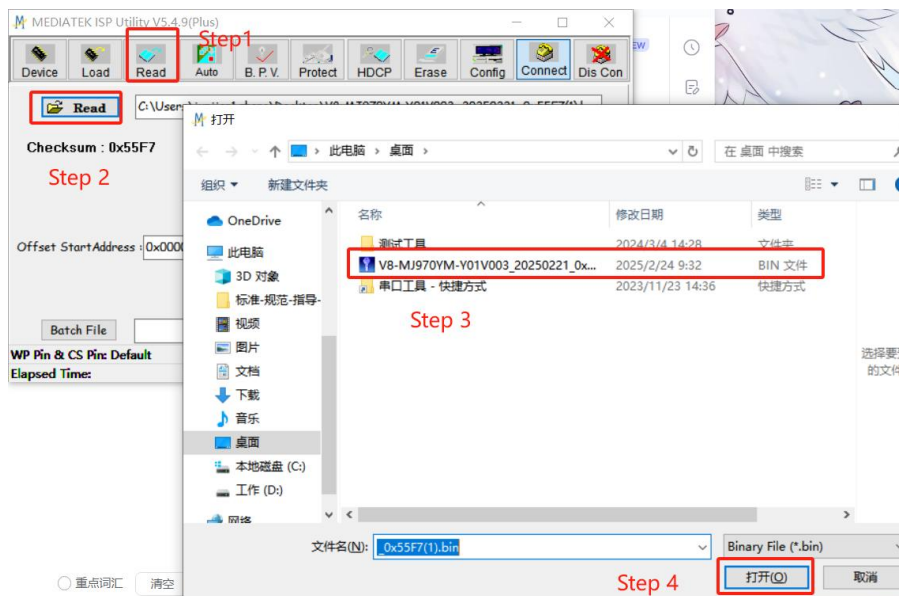




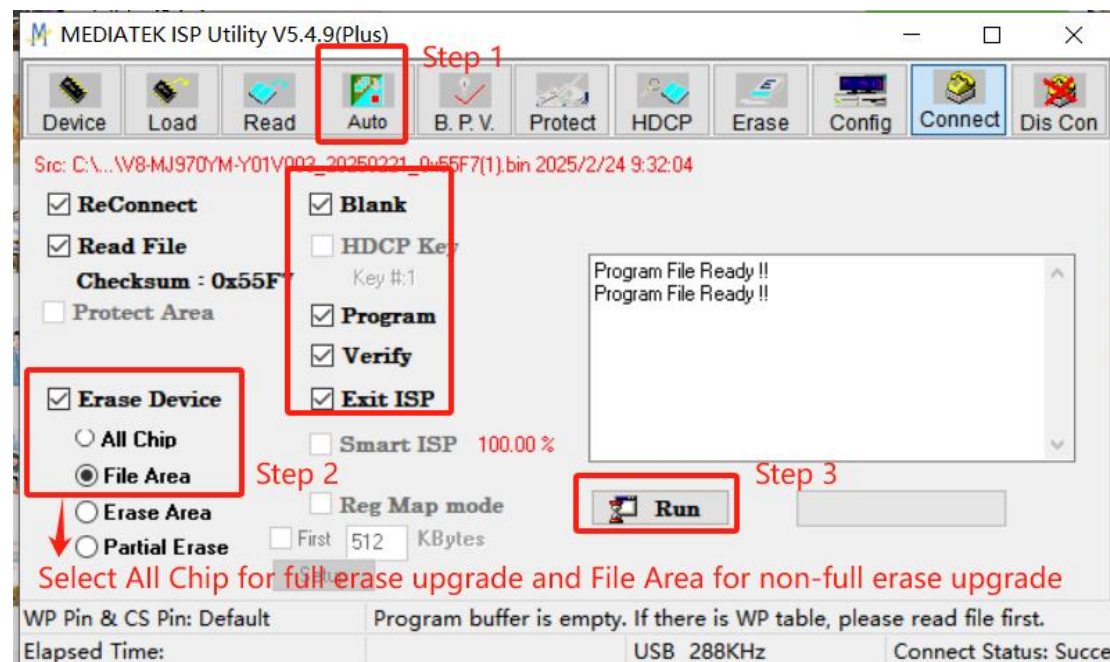
- 3) Set USB and burn speed;
(设置 USB 和烧录速度;)



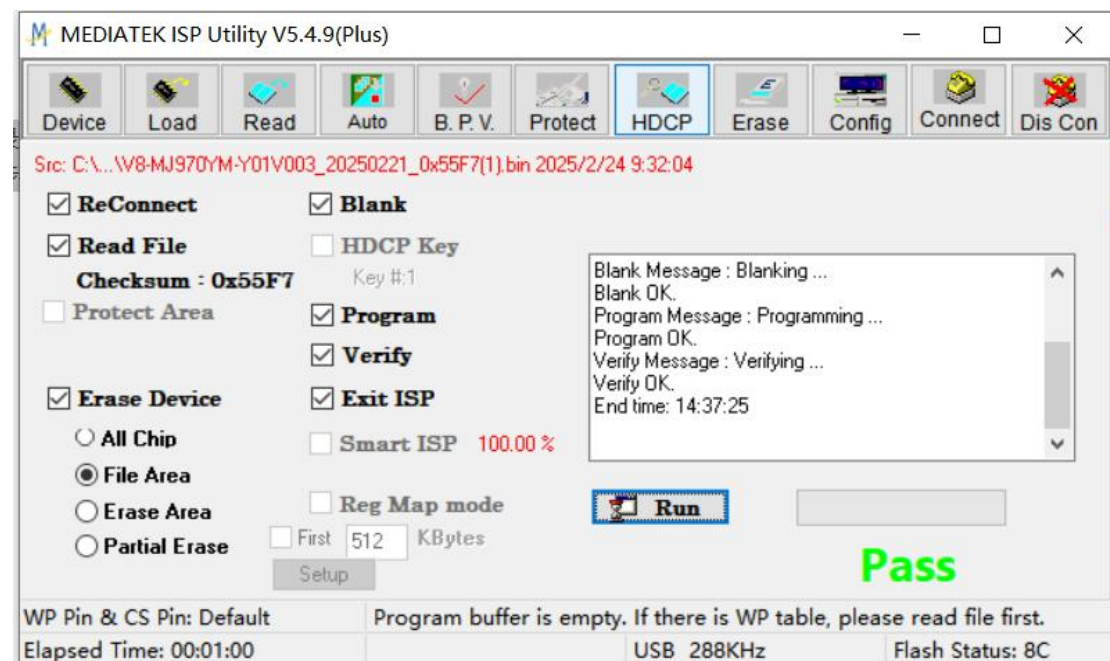
- 4) Select the software you want to update;
(选择需要更新的软件;)



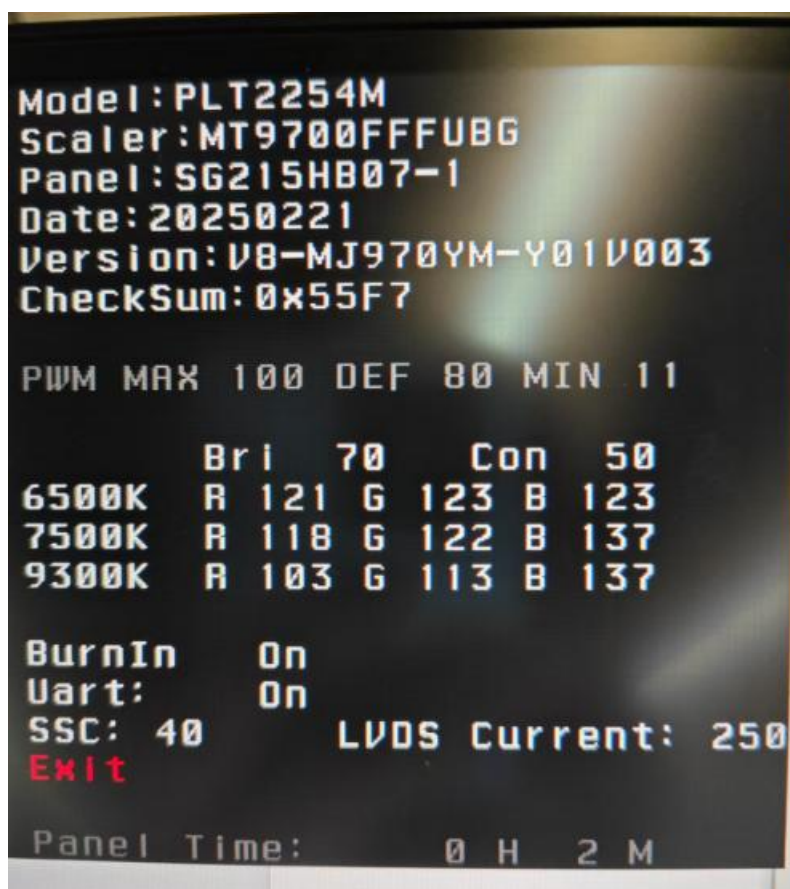
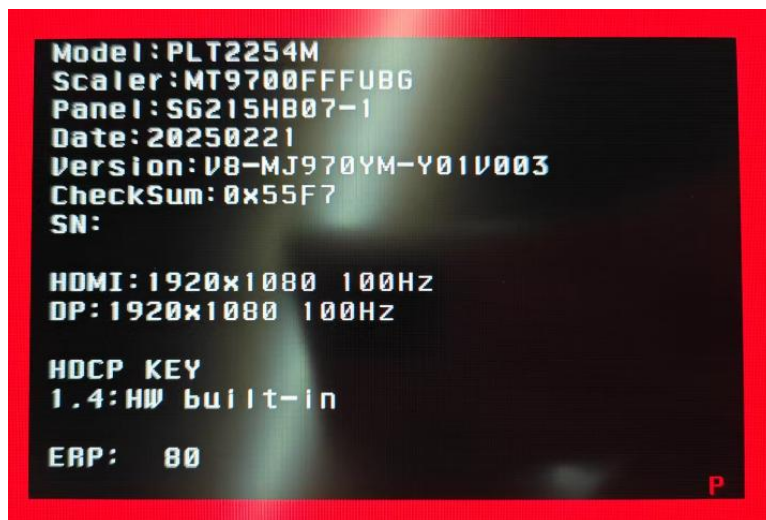
- 5) Check the following Settings and click Run to update the software;
 (根据以下设置打勾后点击 Run 进行软件更新;)



- 6) Successfully burned. If PASS is displayed after the burning is completed, it indicates that the burning has been completed, otherwise repeat the above steps to complete the burning.
 (烧录成功。若烧录完成后显示 PASS 表明已经烧录完成, 否则请重复以上步骤, 完成烧录。)



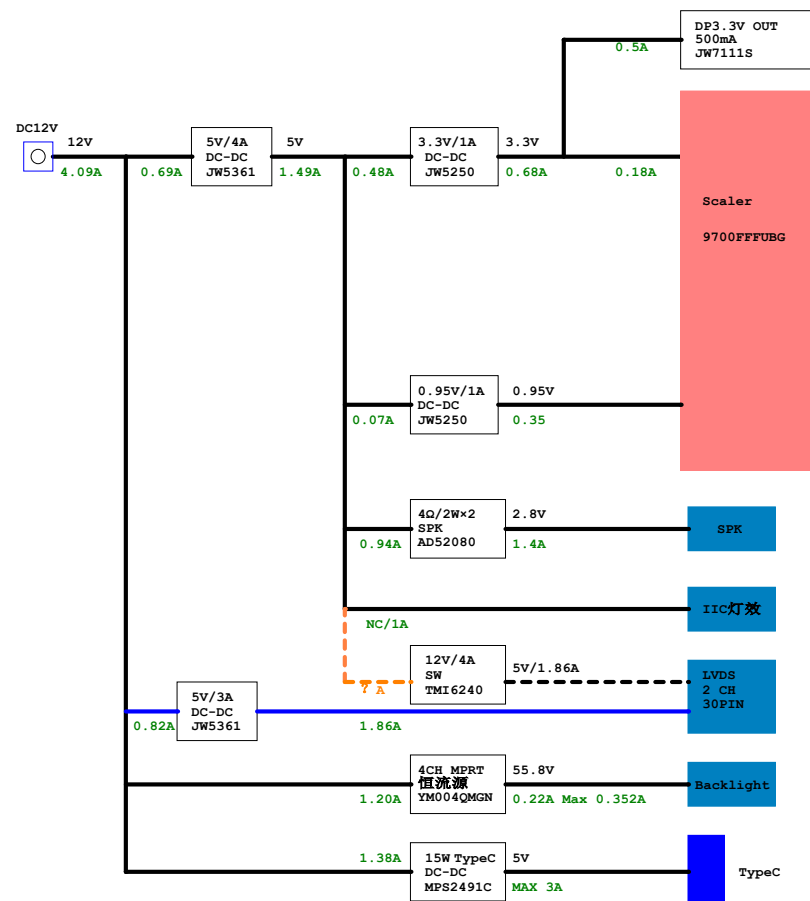
- 7) Check whether the factory menu/Aging menu software version and Check SUM are consistent with the selected software.
 (检查工厂菜单/老化菜单软件版本和 Check SUM 是否与所选软件一致。)



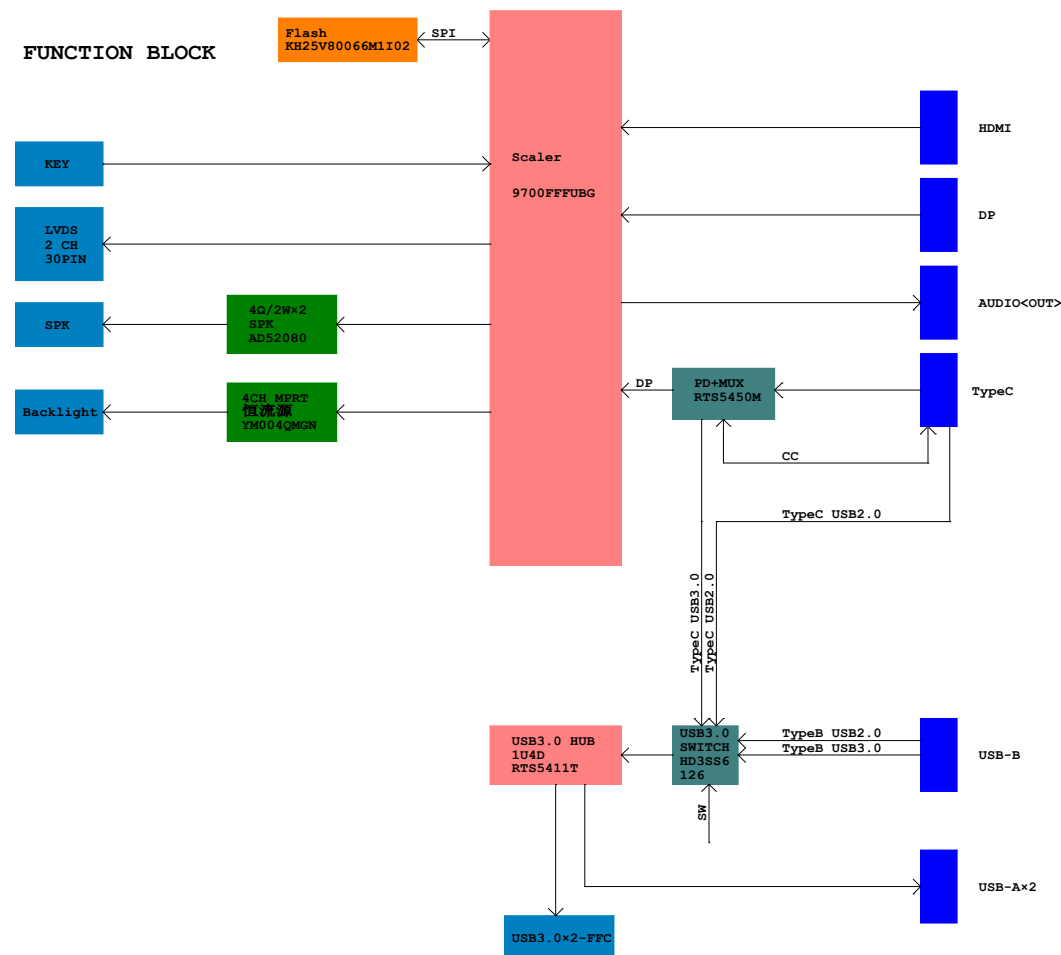
- 8) Use the power button on the monitor to shut down and restart the device to exit factory mode.

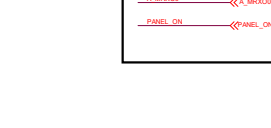
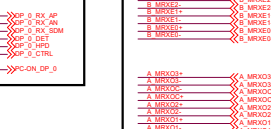
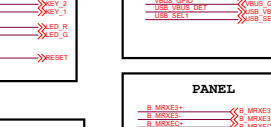
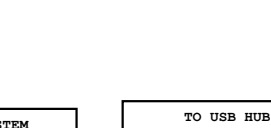
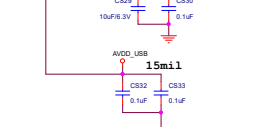
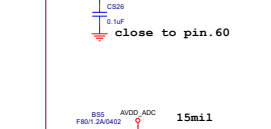
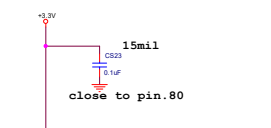
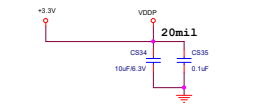
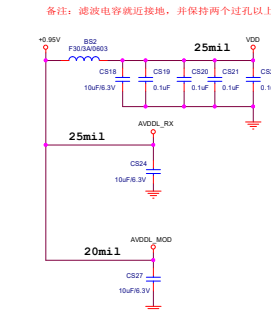
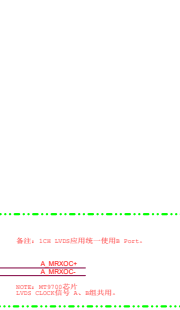
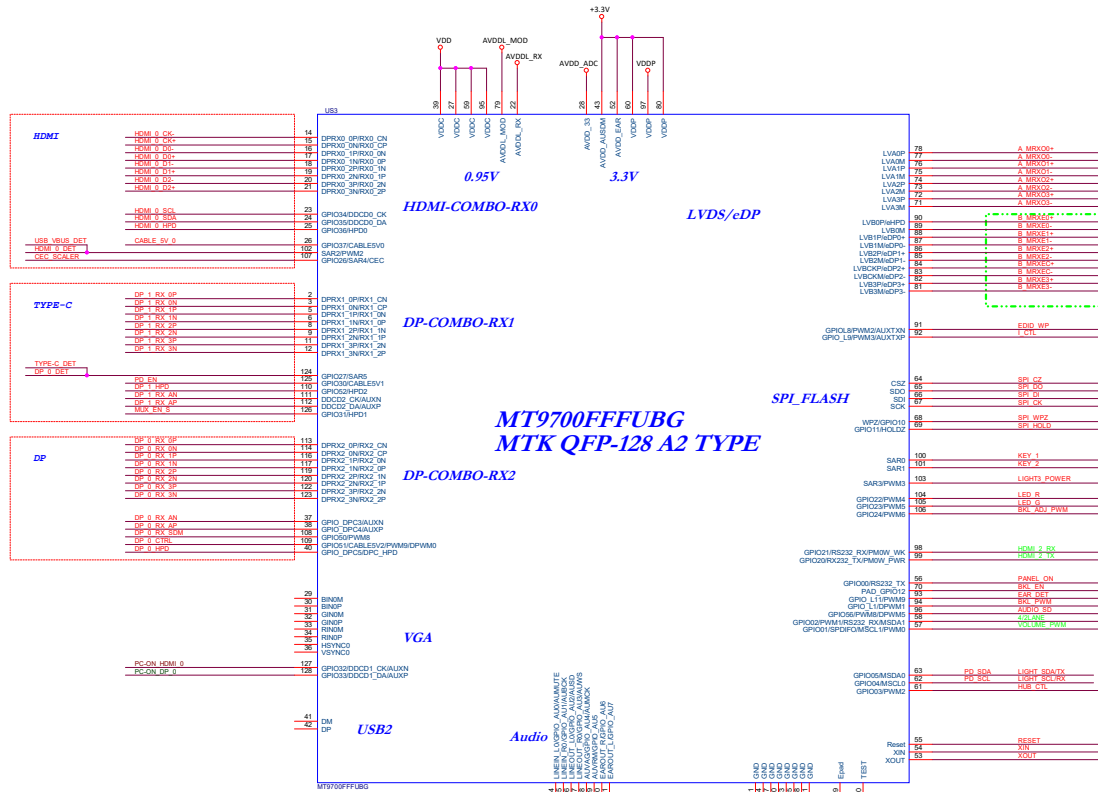
(通过显示器 power 键关机后重新开机复位退出工厂模式)

POWER TREE

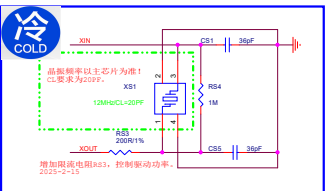


FUNCTION BLOCK

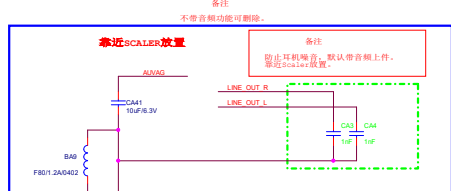




SYSTEM CLOCK

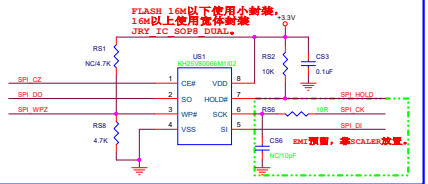


AUDIO BYPASS



FLASH

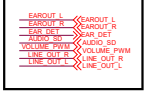
备注: FLASH大小以主芯片应用来选择。



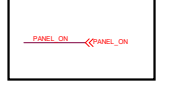
BACKLIGHT



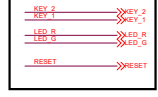
AUDIO



SYSTEM POWER



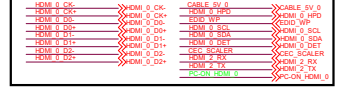
SYSTEM



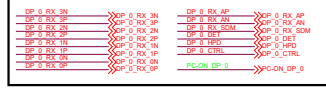
TO USB HUB



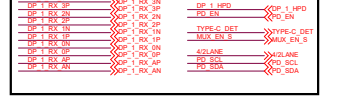
HDMI0



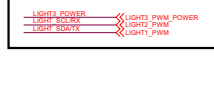
DP0



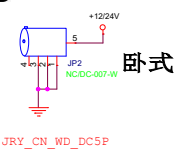
TO-TypeC



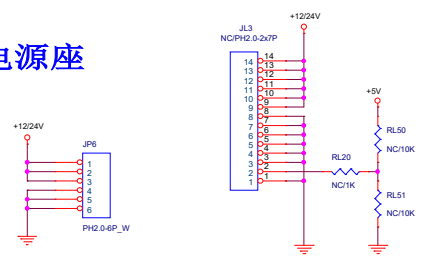
LIGHT



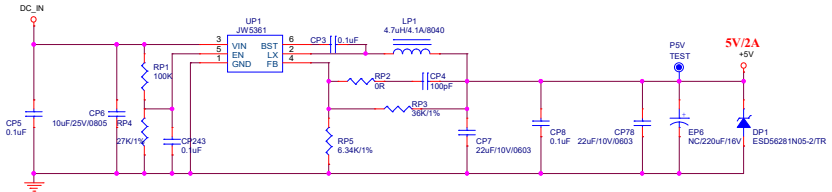
HOT 外置电源座



内置电源座

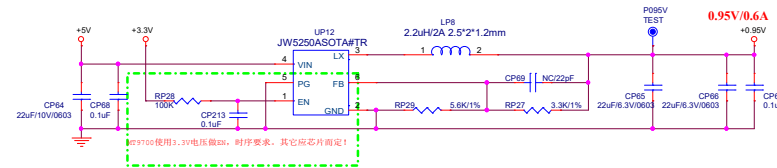


DC_IN-5V

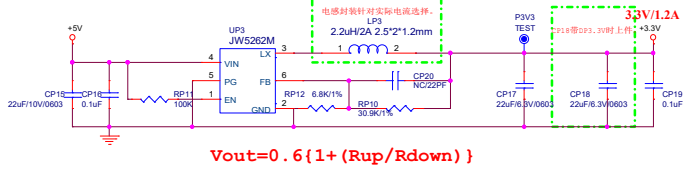


$$V_{out} = 0.6 \{ 1 + (R_{up}/R_{down}) \}$$

5V-0.95V (MT9700)



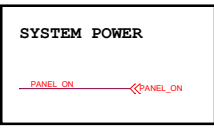
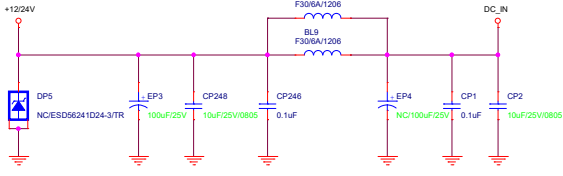
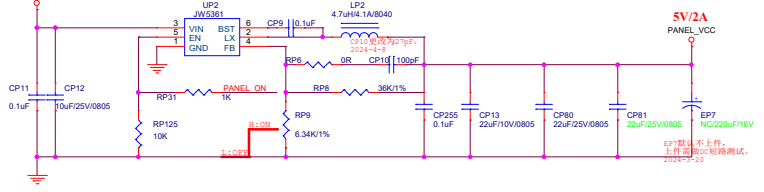
5V-3.3V

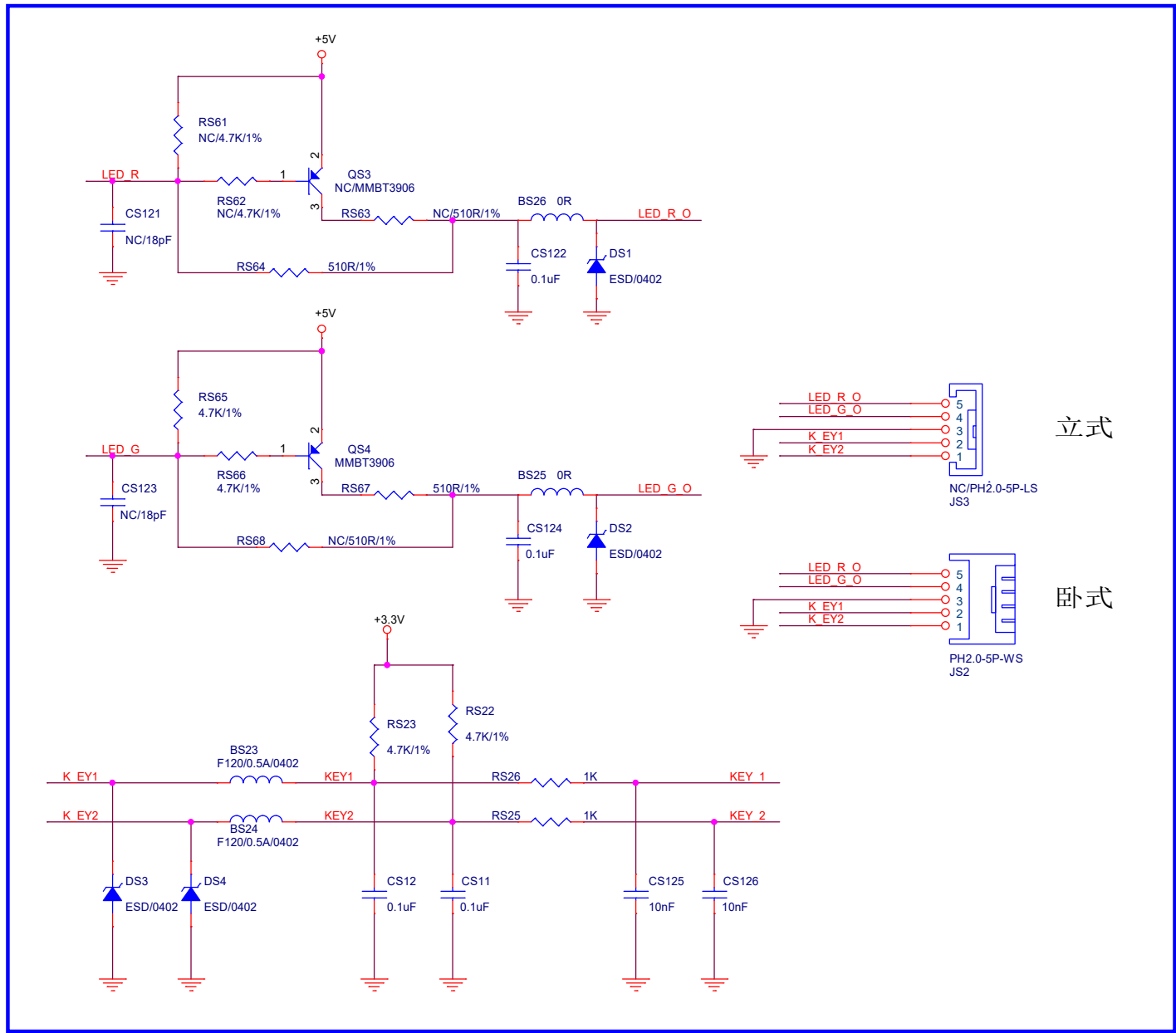


DC_IN-5V (PANEL VCC)

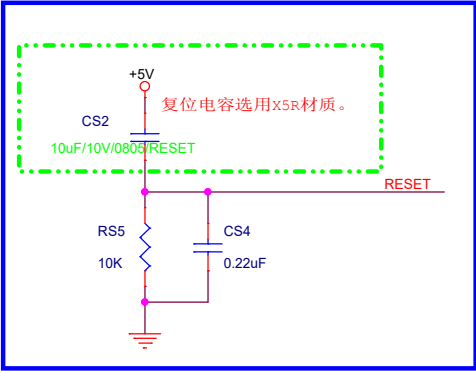
$$V_{out} = FB \{ 1 + (R_{up}/R_{down}) \}$$

MAX3A

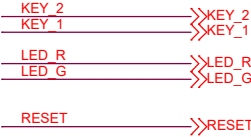


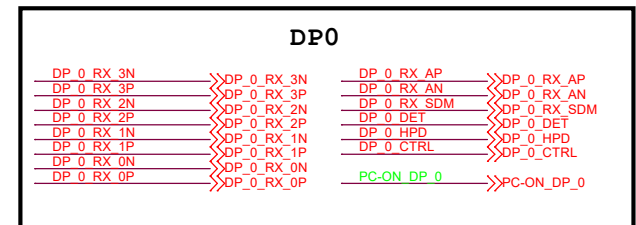
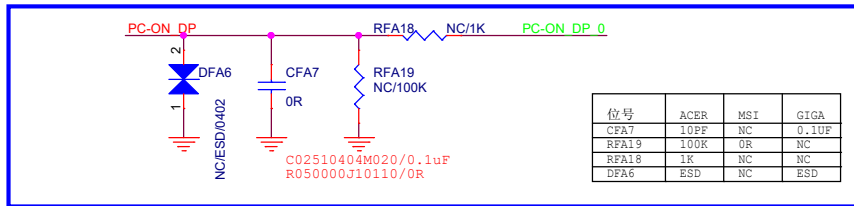
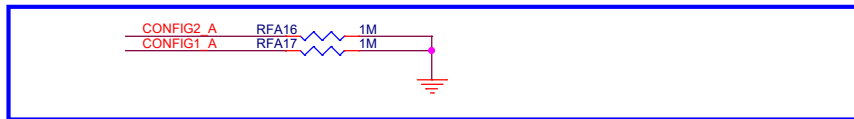
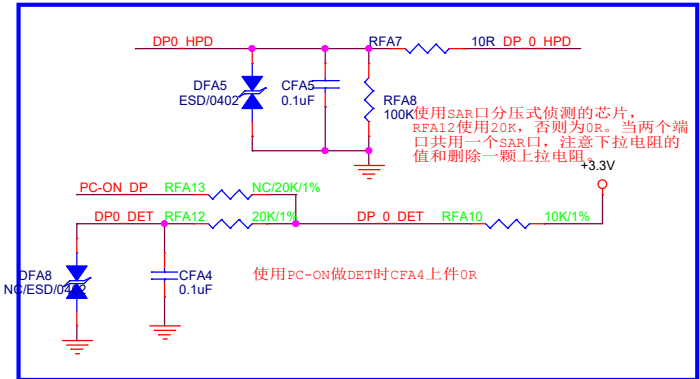
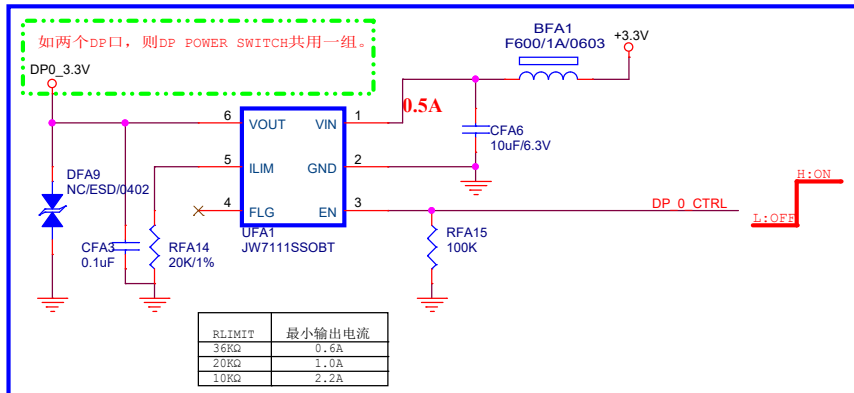
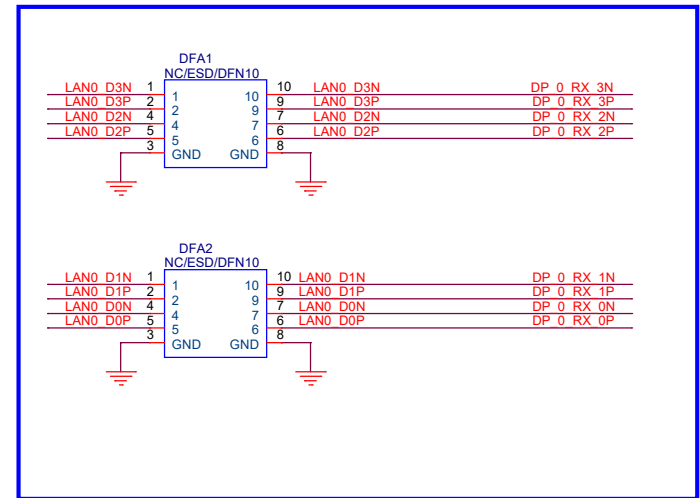
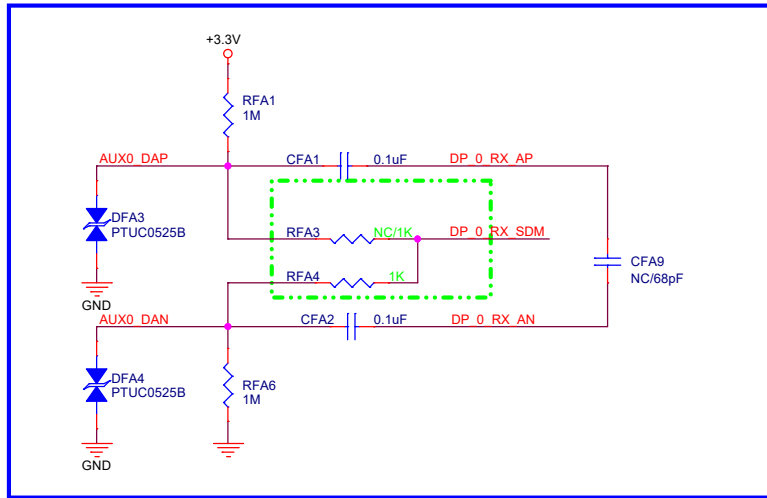
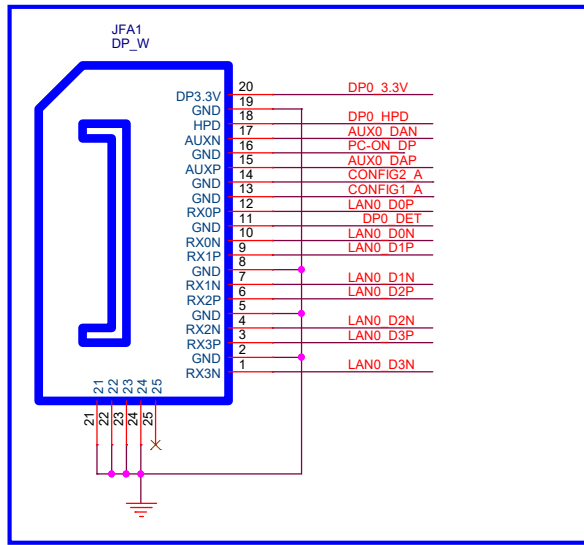


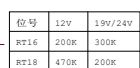
SYSTEM RESET

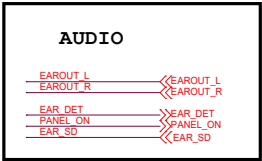
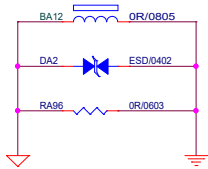
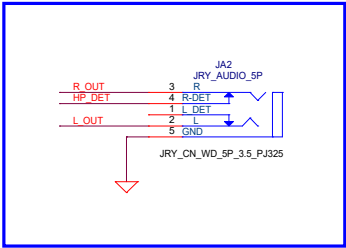
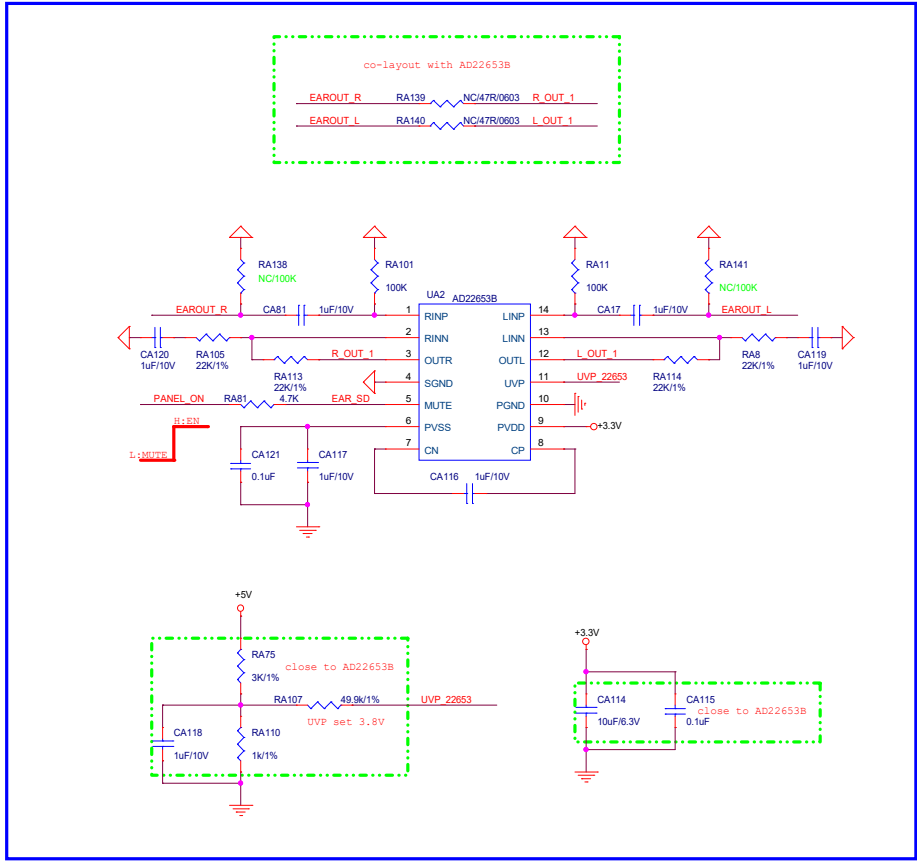
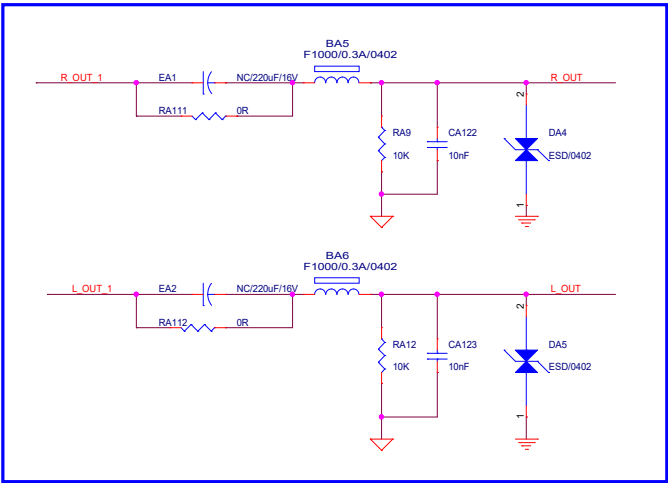
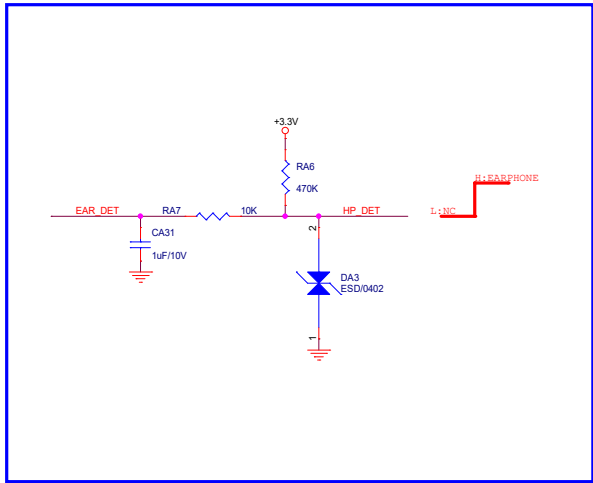


SYSTEM

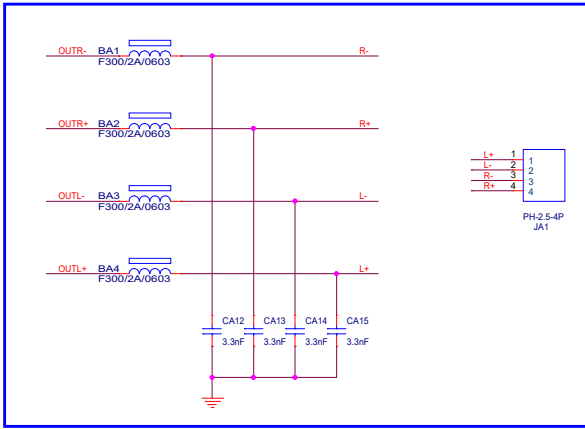
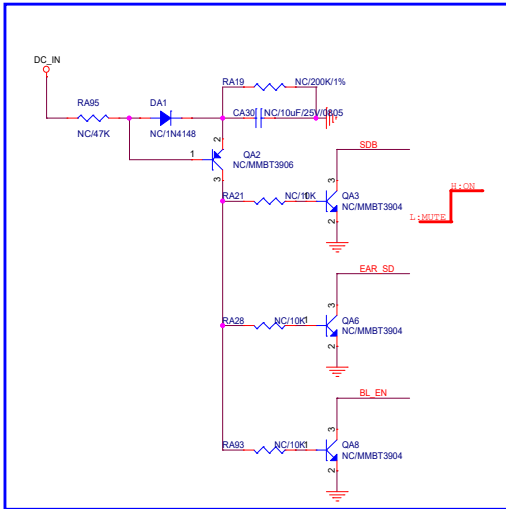
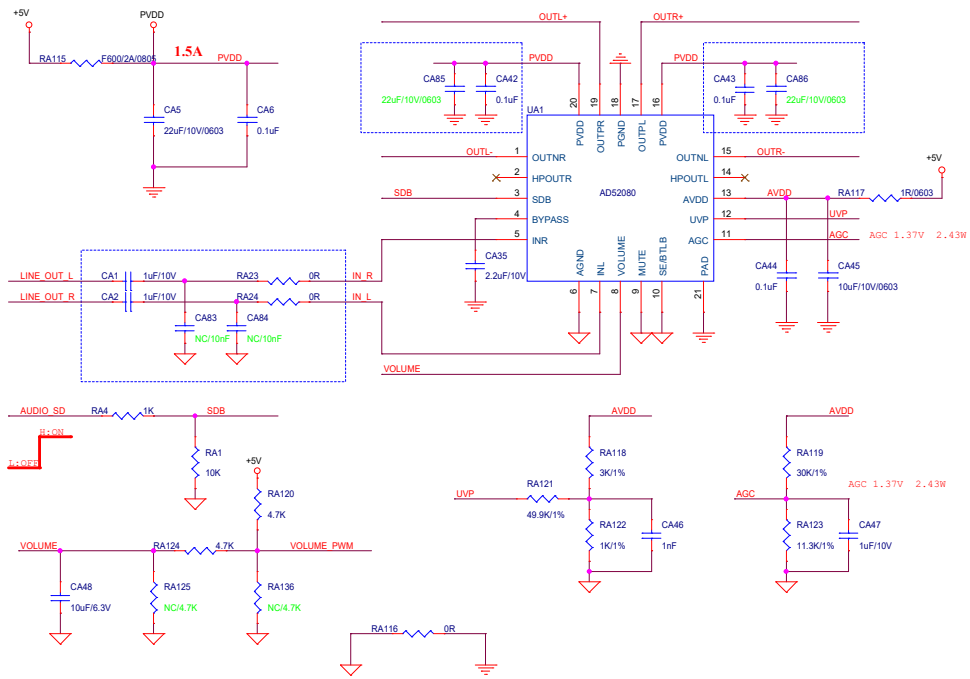






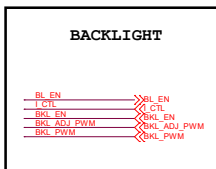
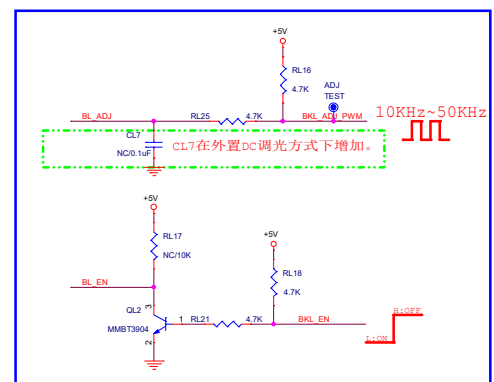
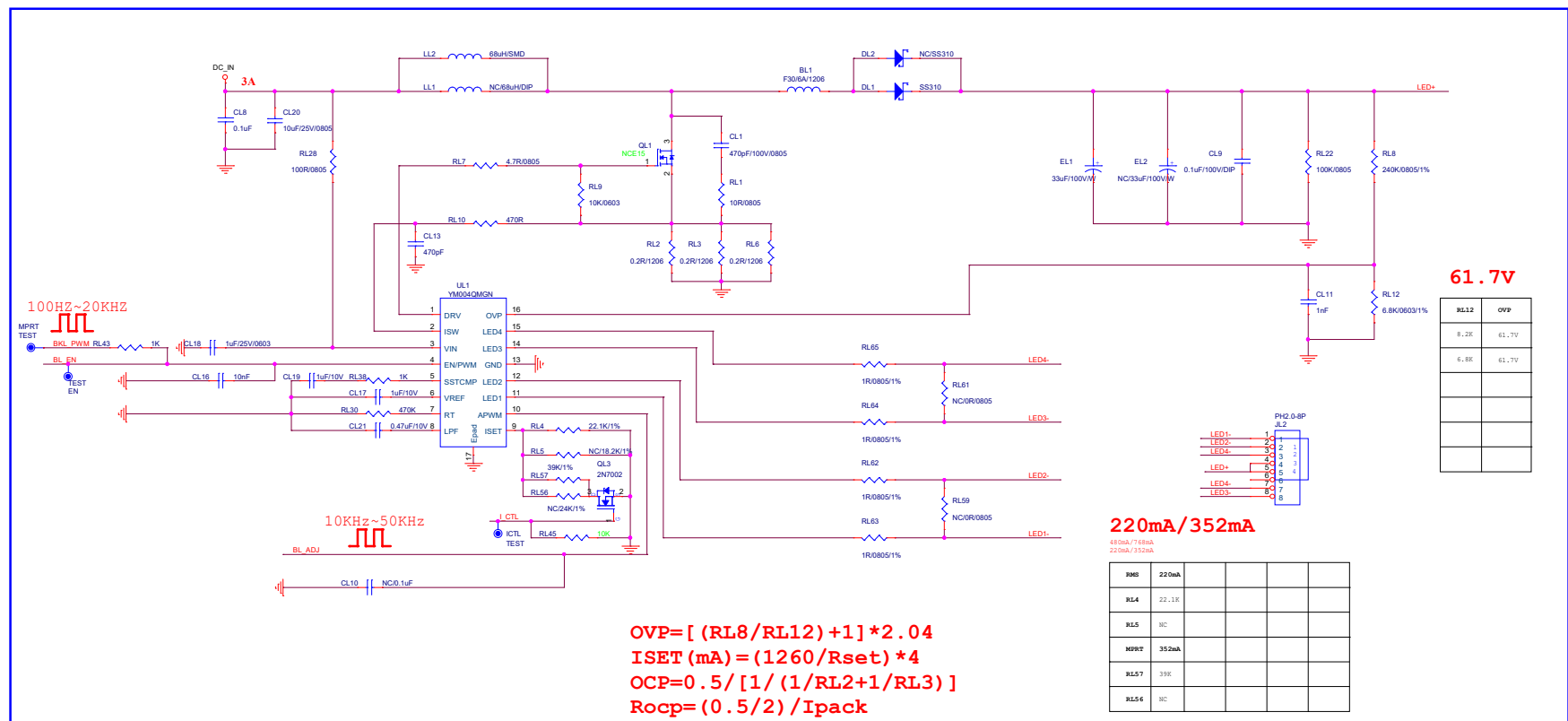


HOT

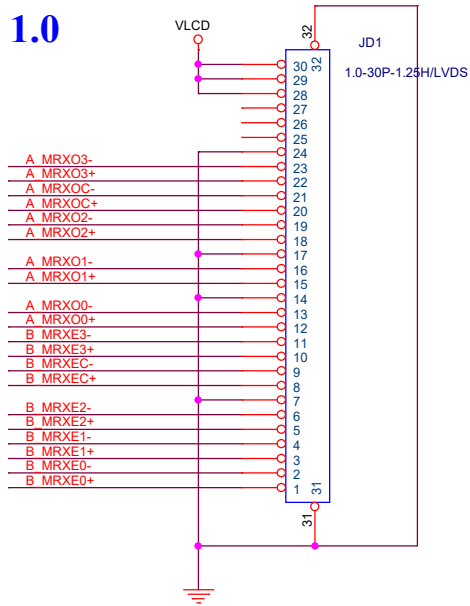


AUDIO

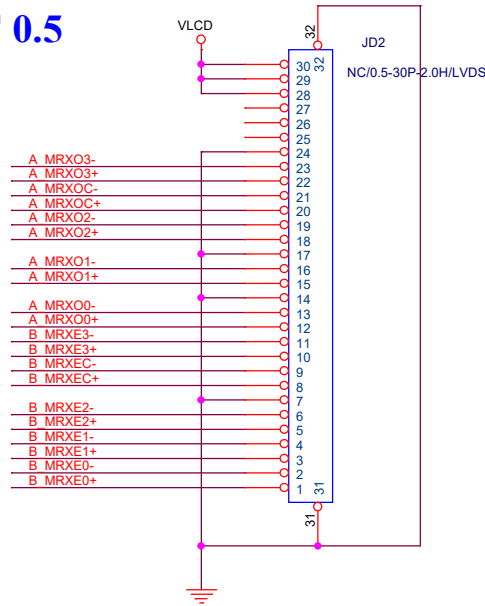




FFC 1.0

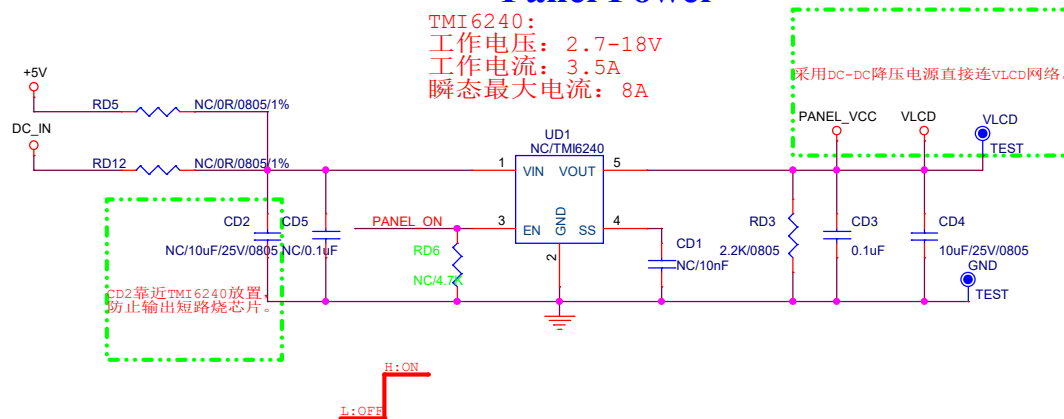


FFC 0.5

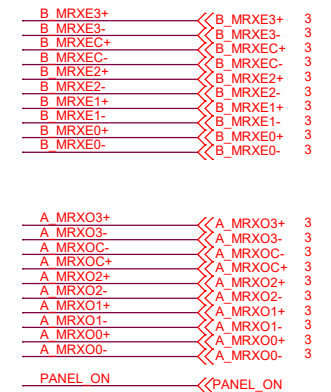


Panel Power

TMI6240:
工作电压: 2.7-18V
工作电流: 3.5A
瞬态最大电流: 8A



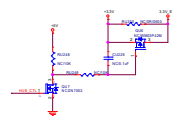
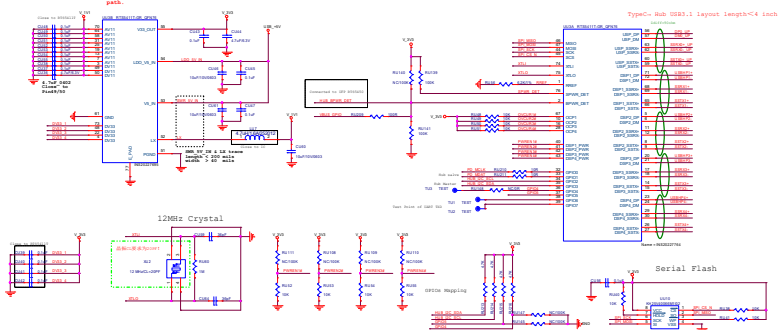
PANEL-FHD



A电路

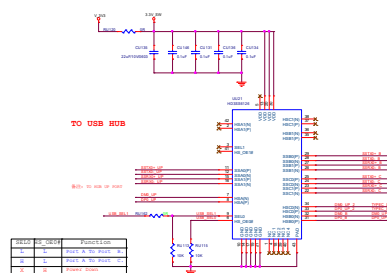
RTS5411T QFN-76 Power Part

RTS5411T QFN-76 Signal Part



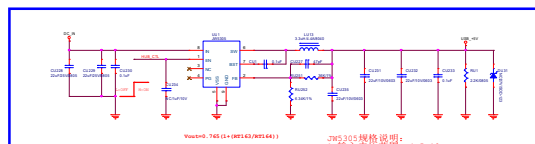
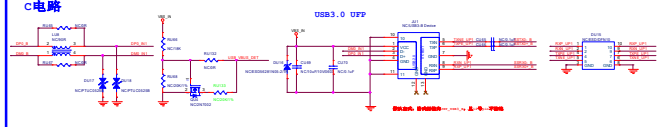
J电路

USB3.0 SWITCH (WHD+USB-B)



C电路

USB3.0 OFF

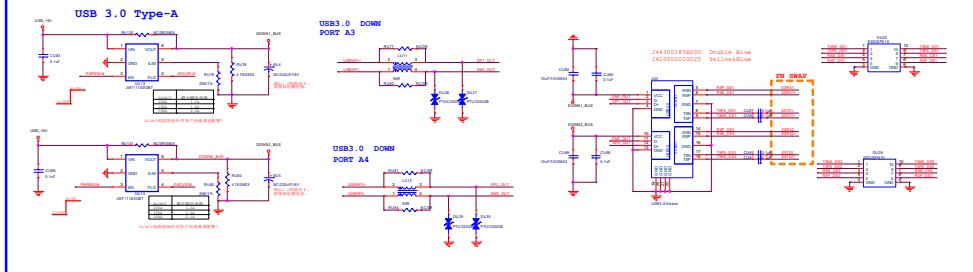


USB3.0规格说明:
1. 工作电压: 5V ±5%
2. 工作频率: 10KHz ~ 500KHz
3. 输出电流: 5A 100V

USB 3.0 Type-A

USB3.0 DOWN PORT A3

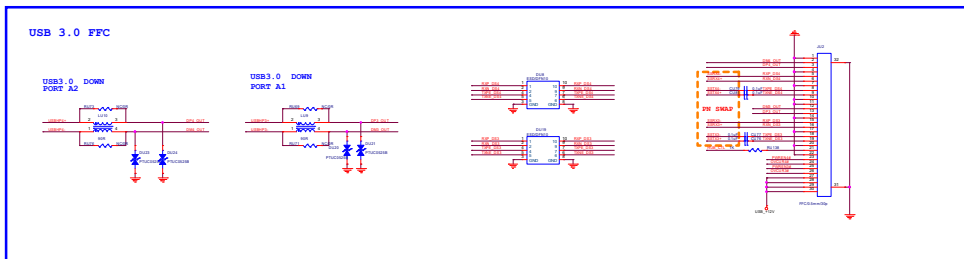
USB3.0 DOWN PORT A4



USB 3.0 FFC

USB3.0 DOWN PORT A3

USB3.0 DOWN PORT A4



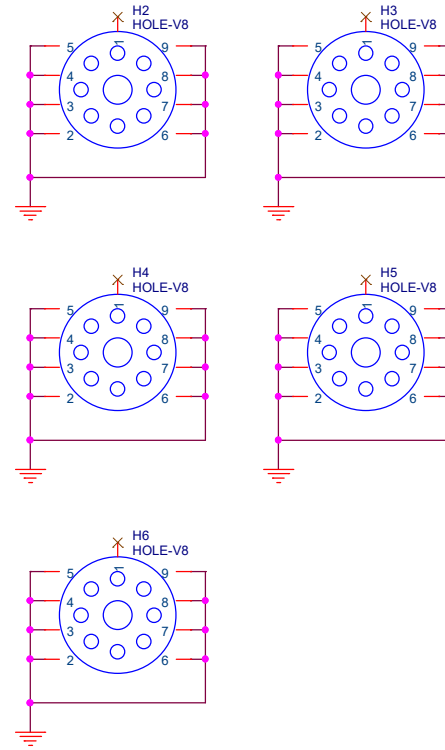
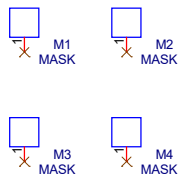
USB3.0规格说明:
1. 工作电压: 2.7~1.8V
2. 工作频率: 10KHz ~ 500KHz
3. 输出电流: 5A 100V

To SCALER



To TYPE-C





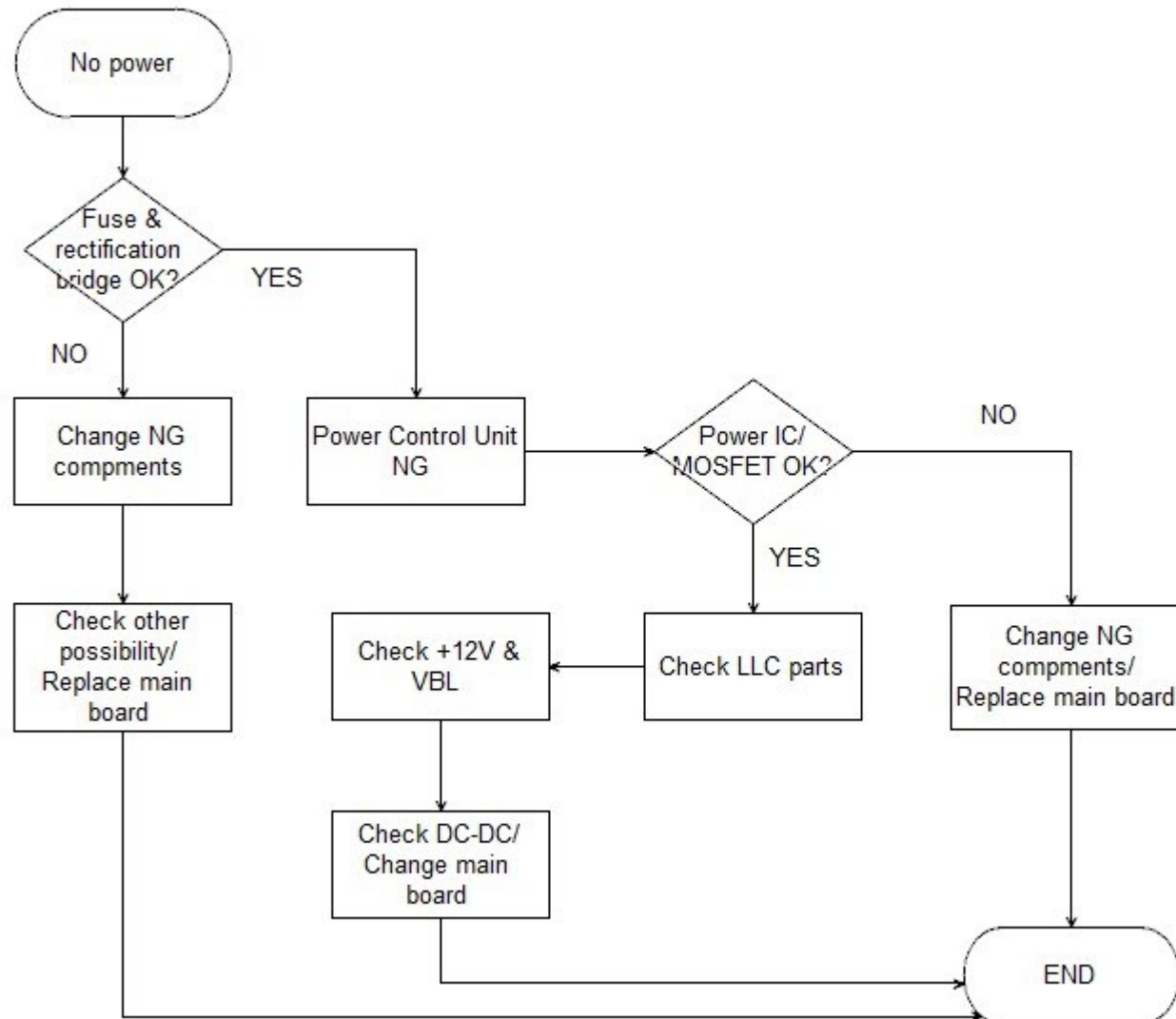
Trouble shooting diagram

Terms:

- ✓ **IR:** *Infrared Receiver*
- ✓ **RC:** *Remote Control*
- ✓ **IR logic:** *IR blink with RC action*
- ✓ **LVDS:** *Low Voltage Differential Signal, output from processor and input for panel*
- ✓ **O/C:** *Open Cell, panel with source board*
- ✓ **BL:** *Back Light, light source for panel module*
- ✓ **LB:** *LED (Light Emitting Diode) Bar, light source for BL module*
- ✓ **VBL:** *Voltage for Back Light (before Boost)*
- ✓ **VLED:** *Voltage for LED (after Boost)*
- ✓ **OVP:** *Over Voltage Protection*
- ✓ **OSD:** *On Screen Display*
- ✓ **AMP:** *Amplifier*

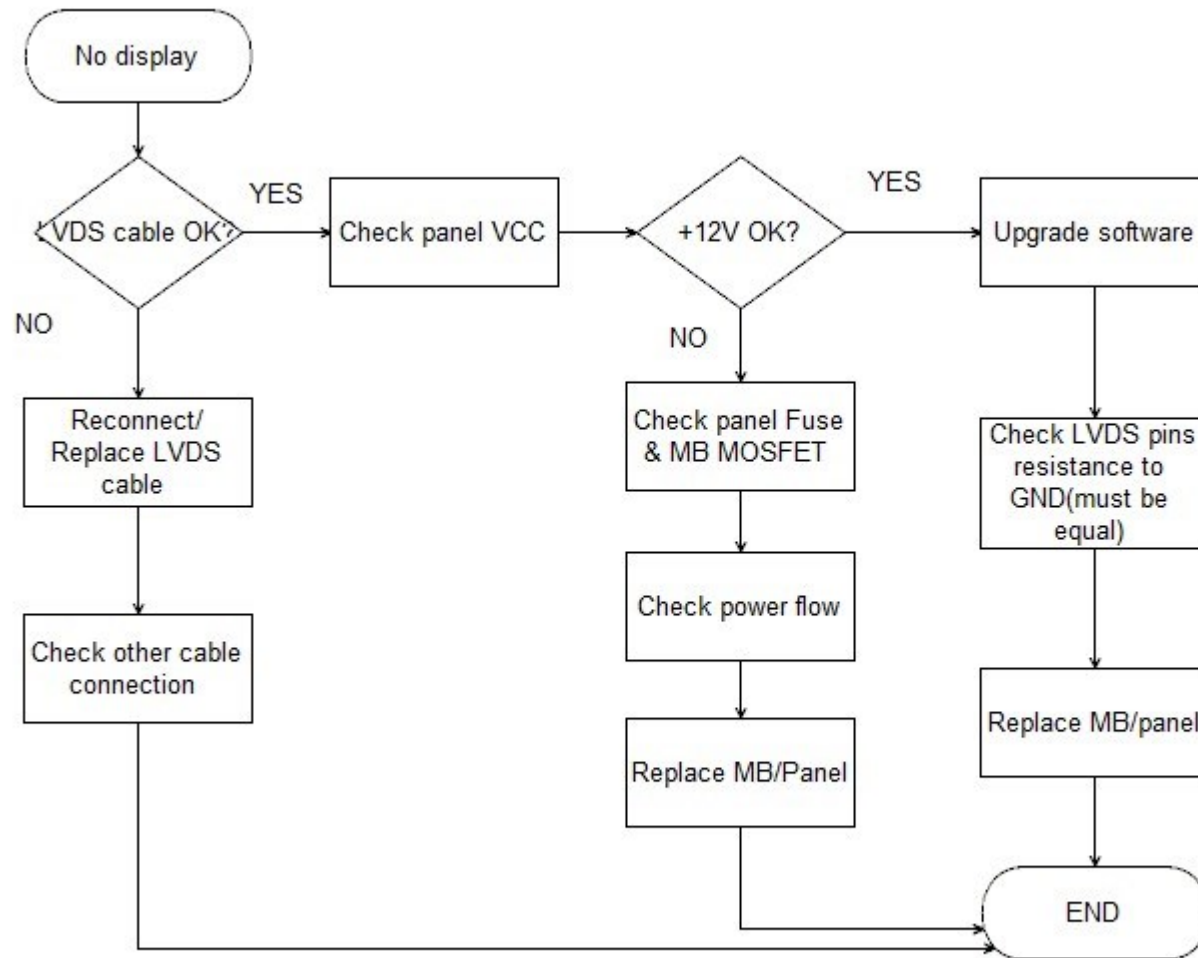
1.No power

No power LED, RC or Key can not turn on TV. Power LED no light/no change.



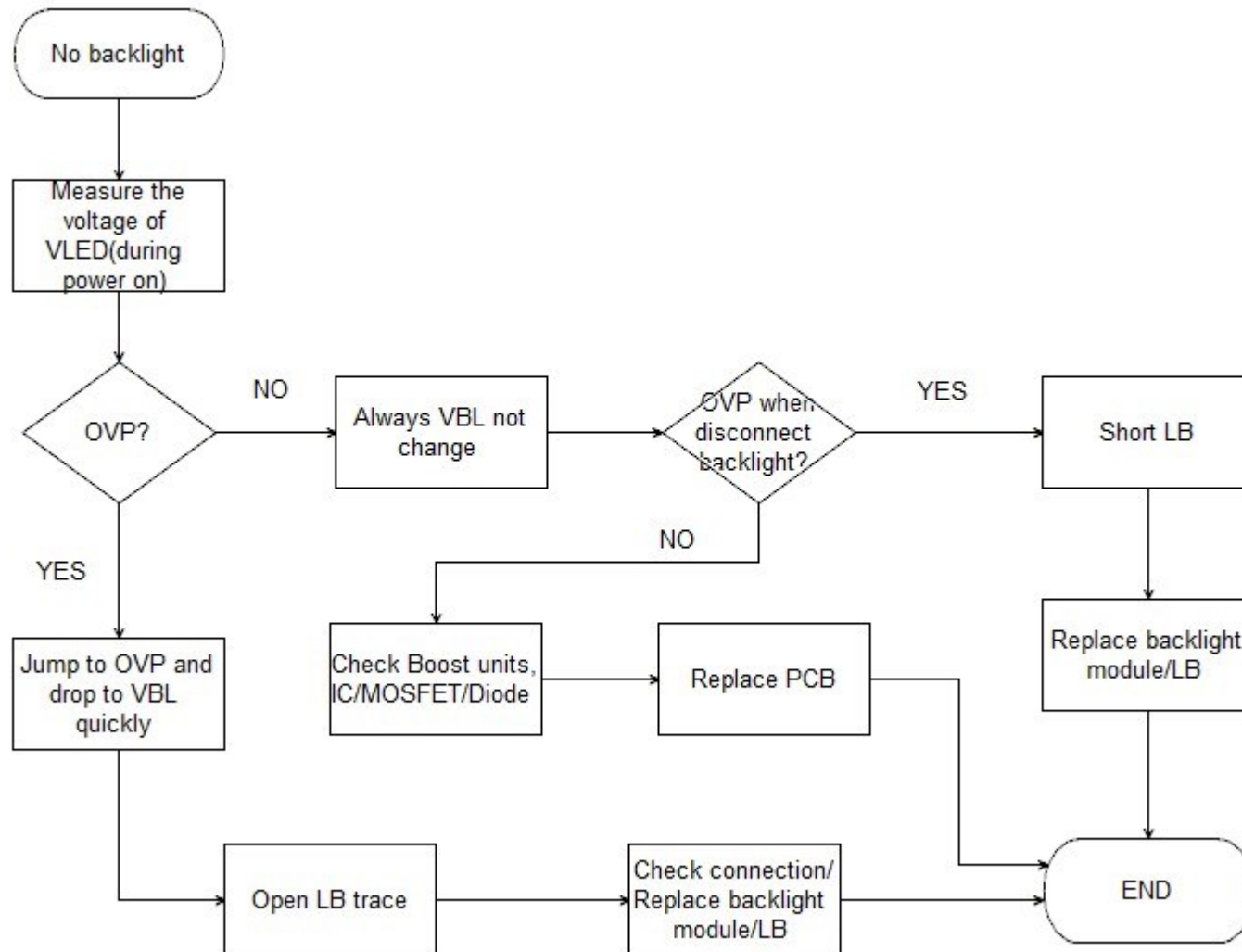
2.No Display / Black Panel

Back light is OK, sound is OK, but no picture.



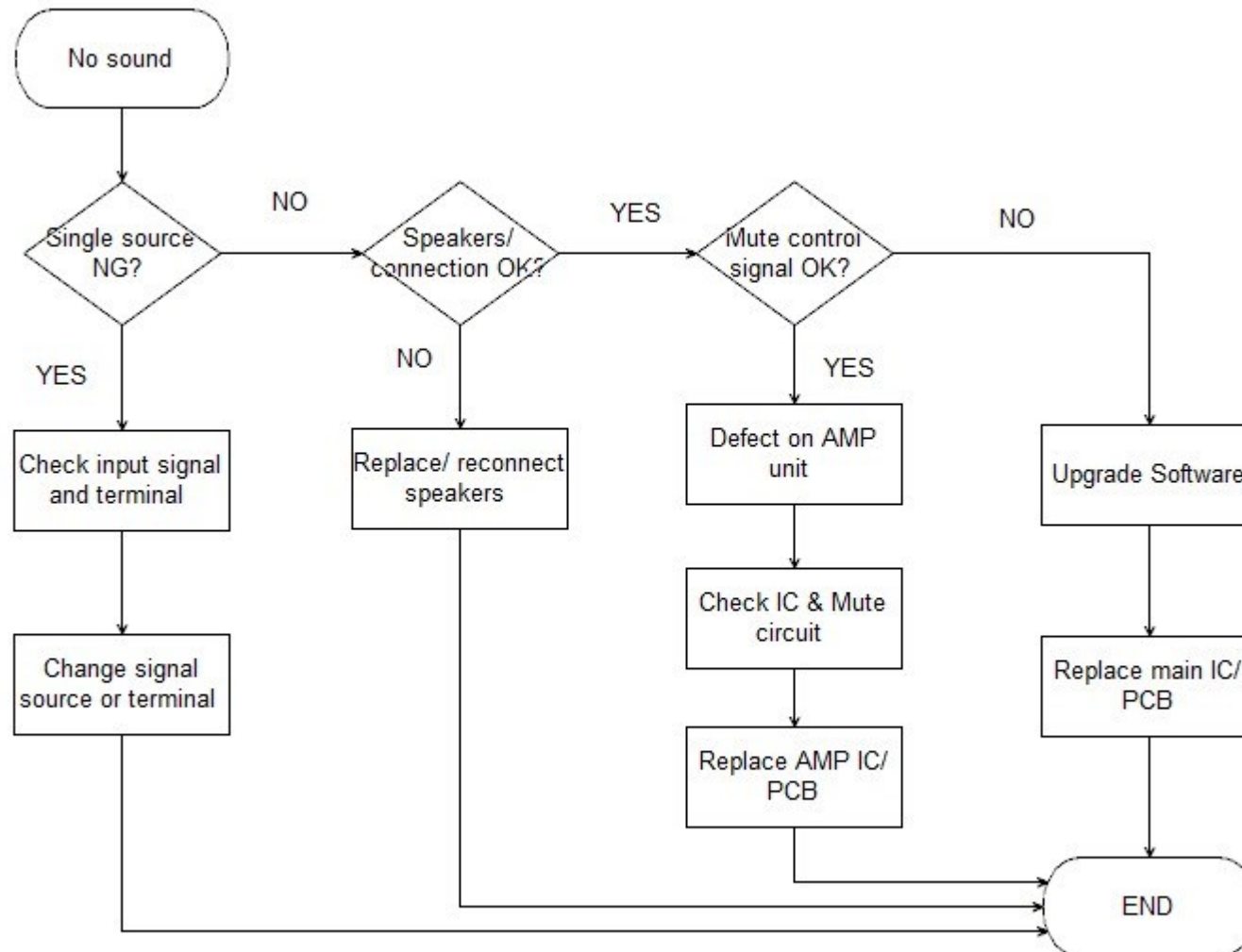
3.No back light

Power LED logic OK, sound OK, but no picture(Different from No Display).



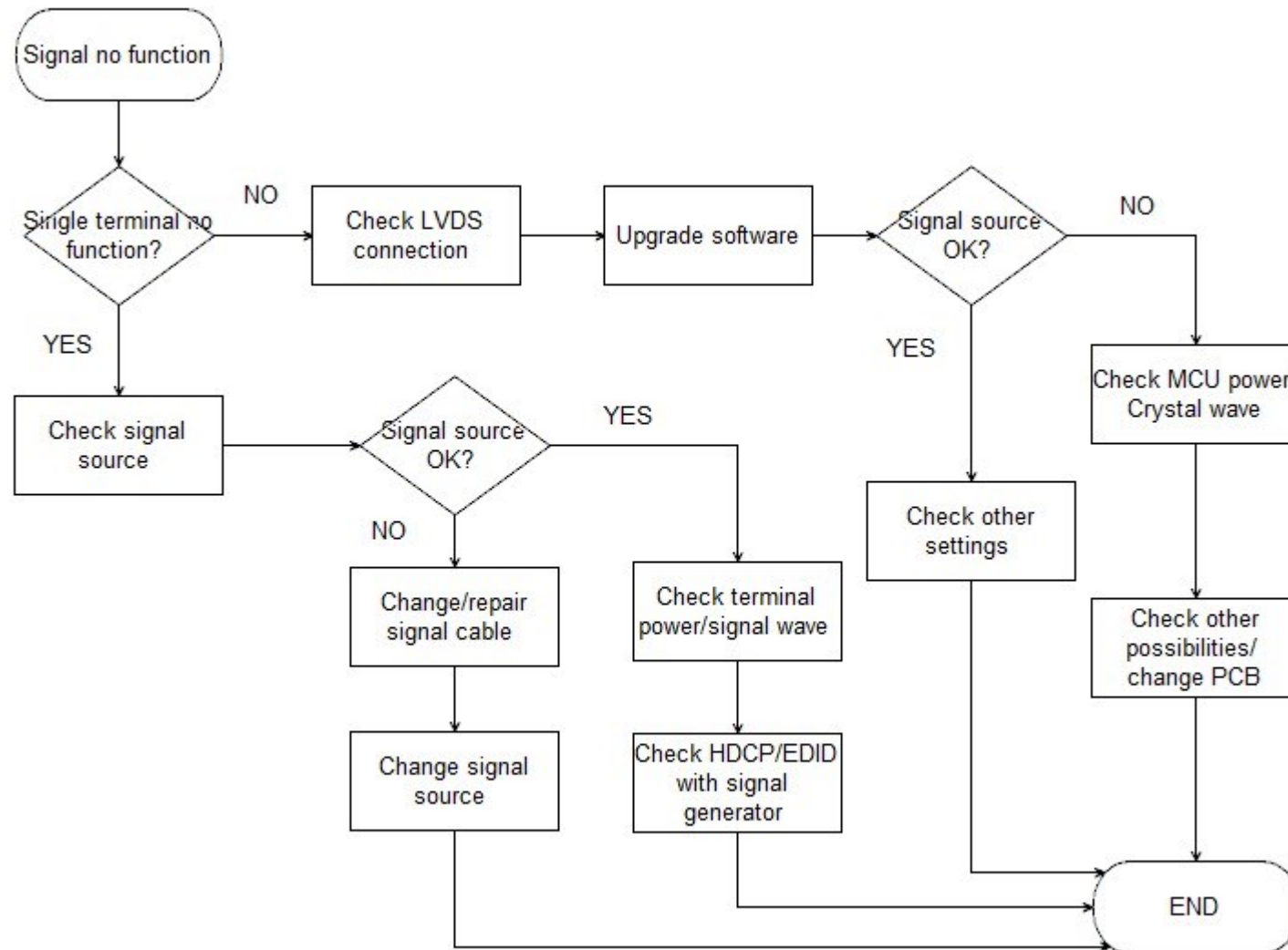
4.No sound

One or all signal source without sound.



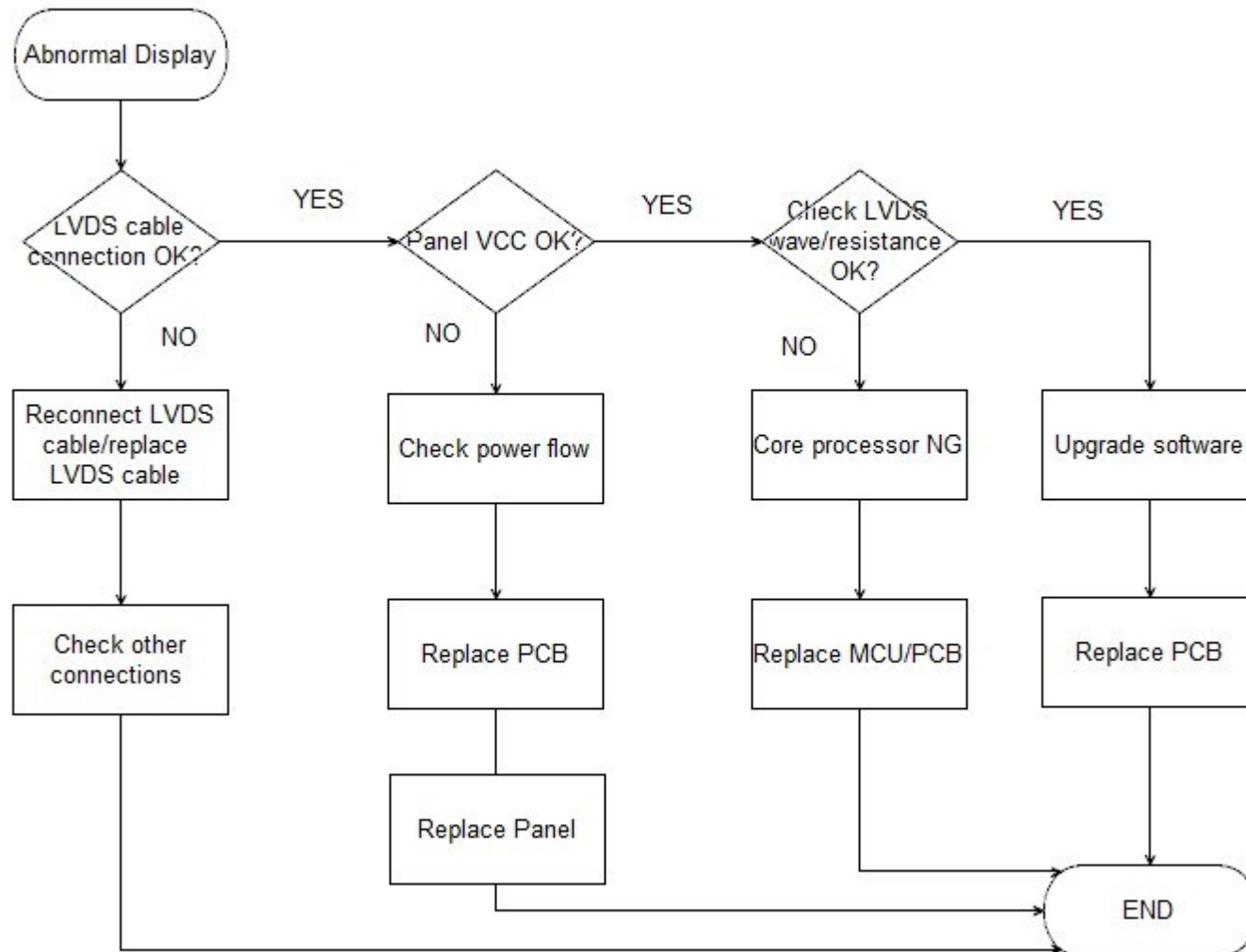
5.Signal source no function

One or several source no function.

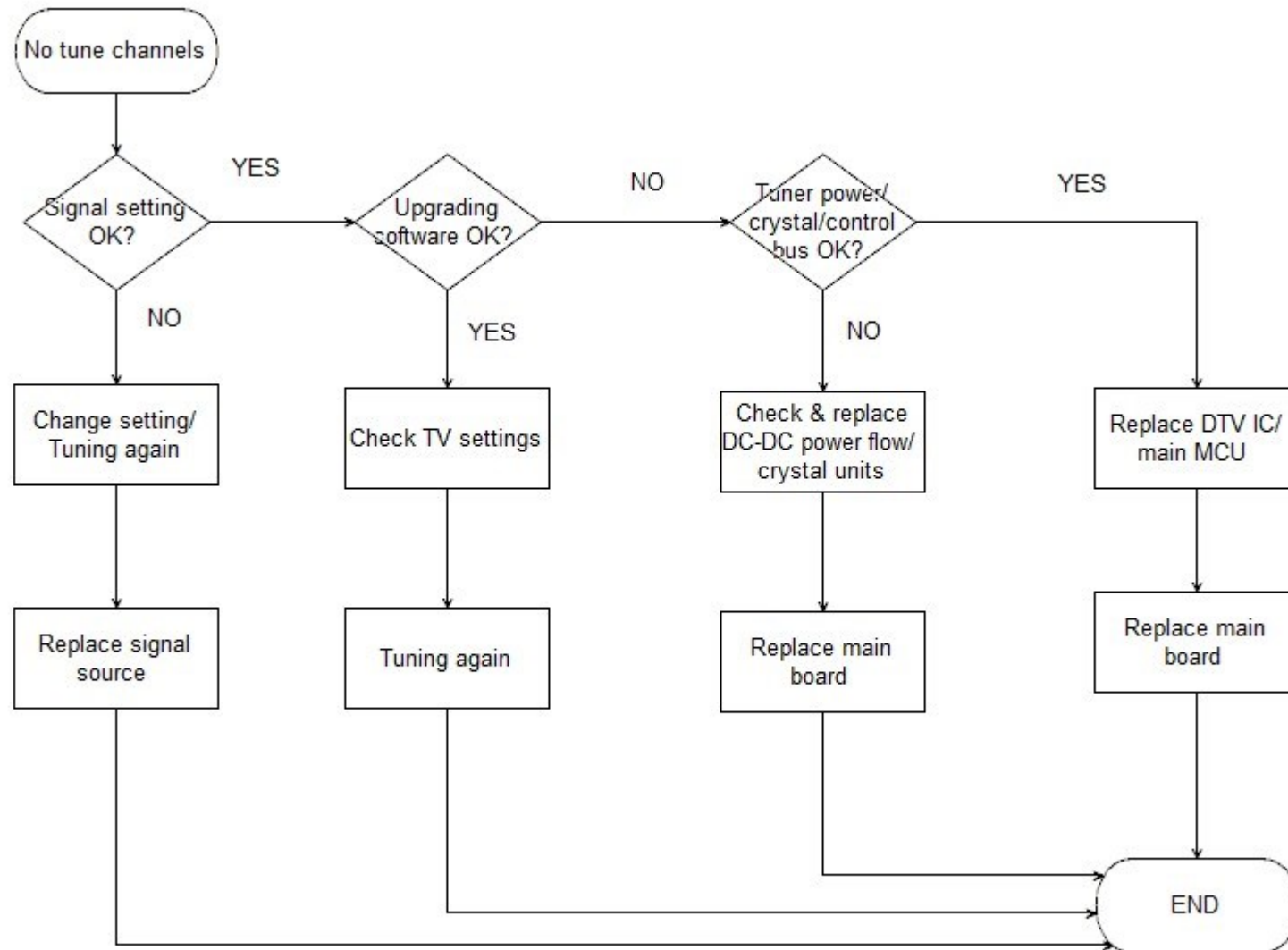


6.Abnormal Display

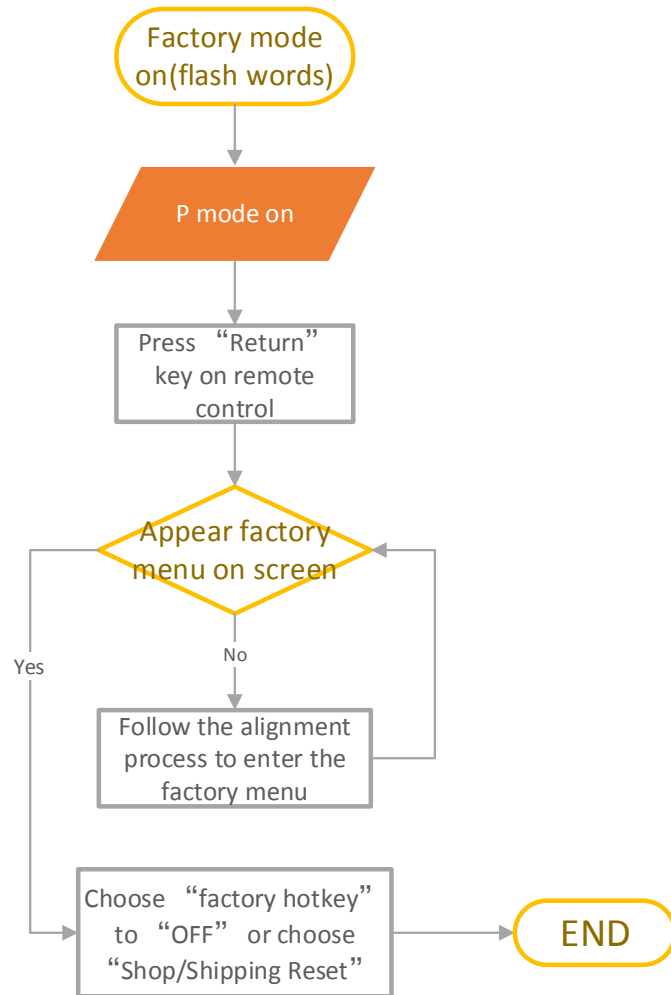
OSD NG or picture NG.



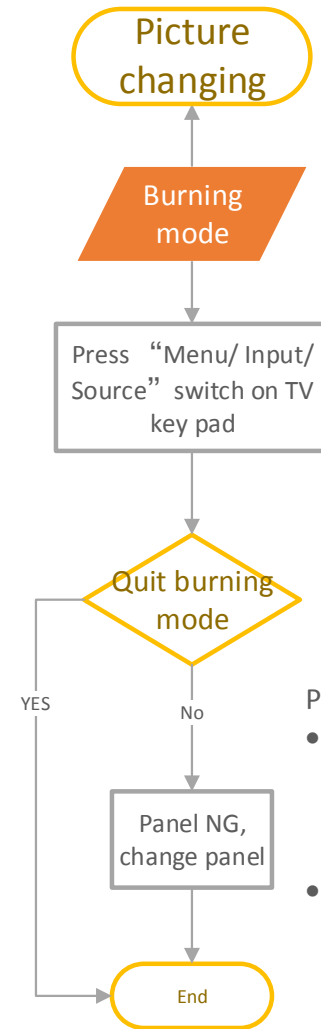
7.No tuning channels DTV or ATV no Channels



8.P mode on and burning mode



- PS: If you choose "Shop/Shipping Reset", the TV will automatically restart. When start again, the TV turn to welcome screen.



PS:

- Most of the time, main board burning mode have time records on screen.
- If the TV can not exit burning mode, you can check panel CLK signal if the voltage is not 1.1V~1.3V, panel NG.

Assembly and Disassembly SOP

4.1 Assembly procedures

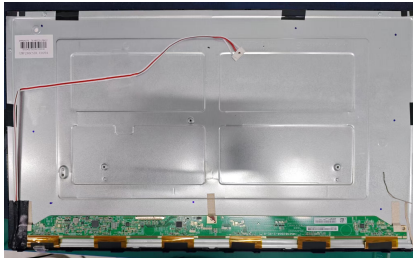
Preparation before assemble

1. Clean the room for work
2. Identify the area for material
3. Prepare the implement, equipment, materials as bellow:

- 1) Press-fixture
- 2) working table
- 3) Screw-driver
- 4) knife*1
- 5) glove
- 6) cleaning cloth
- 7) ESD protection

S1 Place the module on the crafting table.

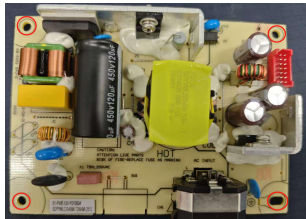
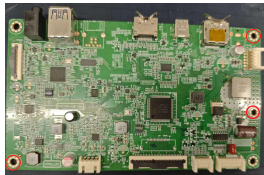
(



S2 Plug in the DC cable, and then install the motherboard and power strip inside the shield

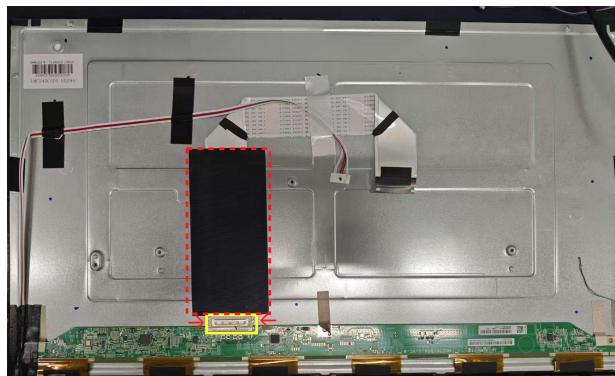
A

WEEE Annex VII part: PCB



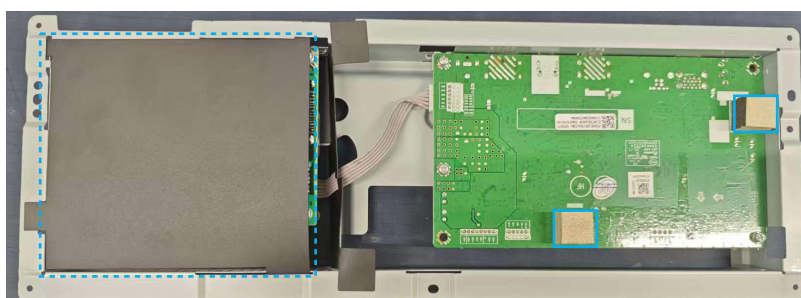
S3 Plug in the FFC cable and then attach the barrier sheet.

DDA



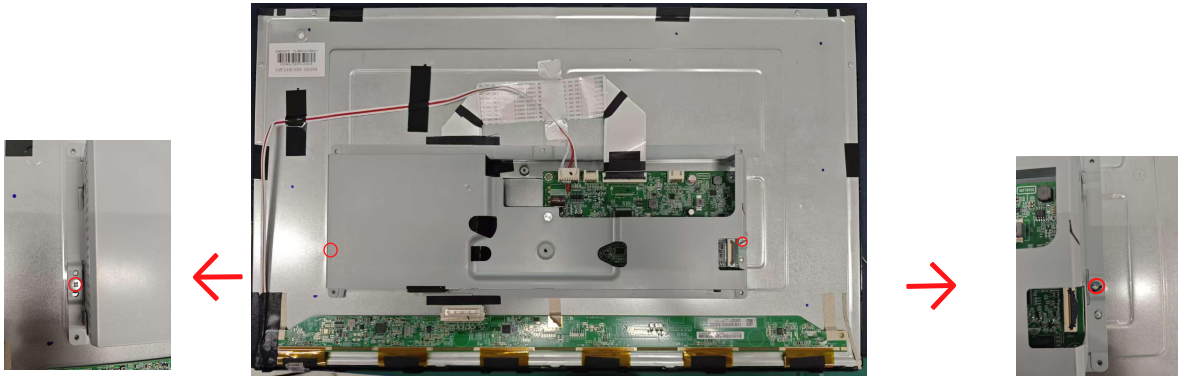
S4 Install the power strip isolator and motherboard insulation pad.

(

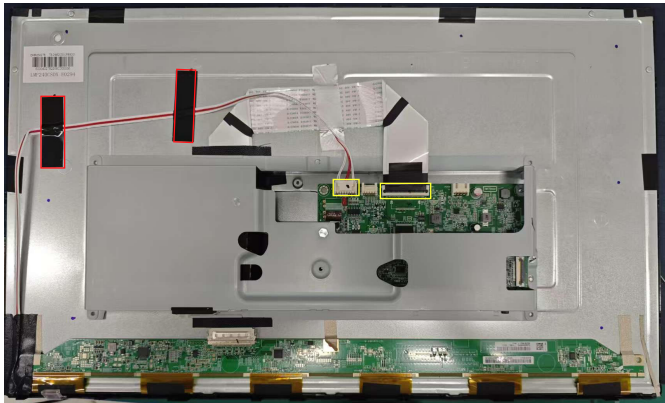


S5 Install the motherboard assembly and screw 2 screws. (

2

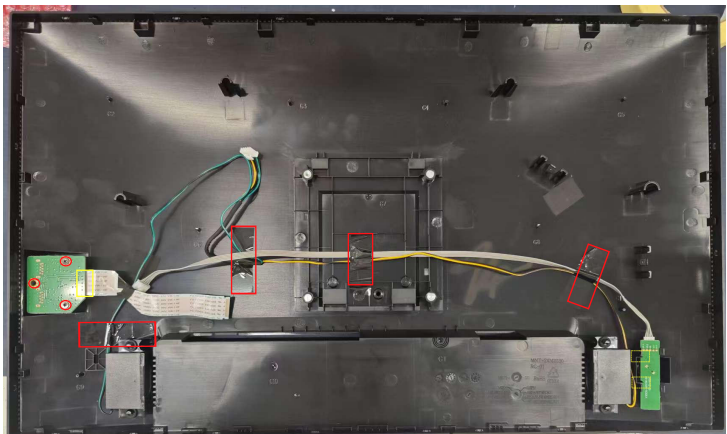


S6 Paste tape to fix to connect lines and insert connect lines.

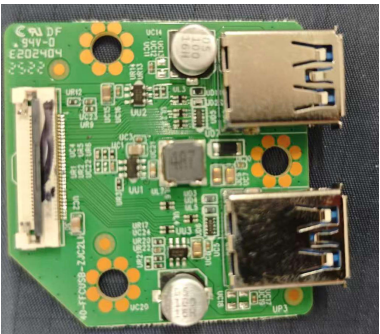


S7 Install the HUB board, screw in the screws, plug in the FFC cable, then install the button board, and paste the tape

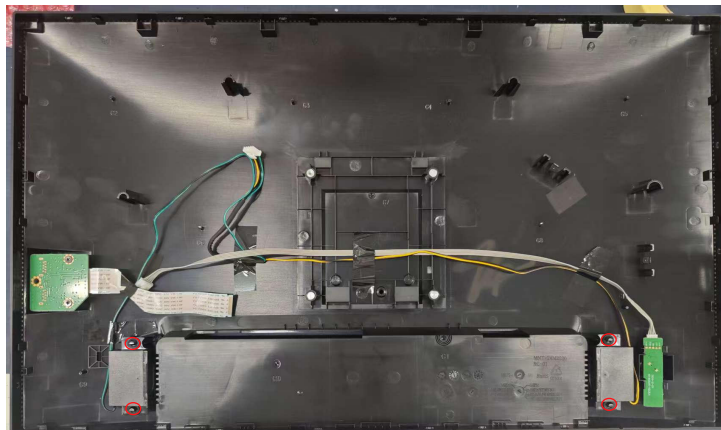
DDA



WEEE Annex VII part:

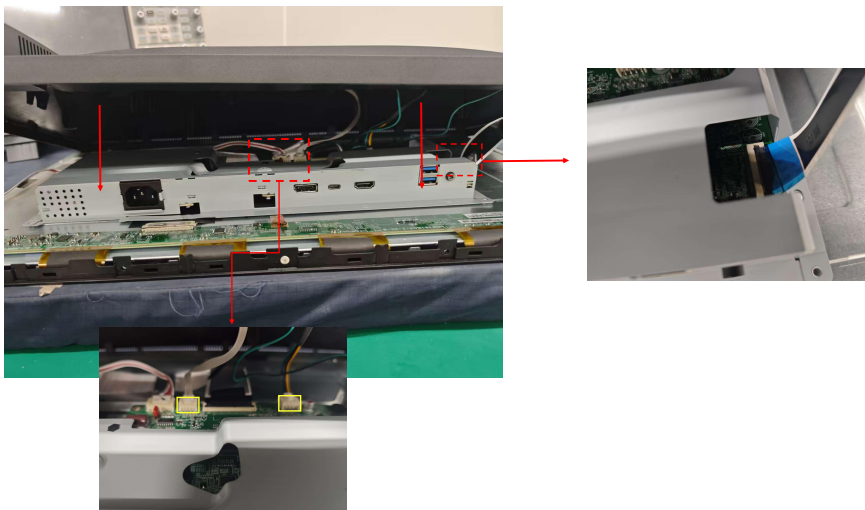


S8 Install the speakers.



S9 Plug in the FFC cable, speaker cable, and button board cable, and install the rear shell.

DDA



S10 Check the appearance.



4.2. Disassembly Procedures

Preparation before disassemble

- 1.Clean the room for disassemble
- 2.Identify the area for monitor
- 3.Check the position that the monitors be placed and the quantity of the monitor ;prepare the area for material flow; according to the actual condition plan the disassemble layout

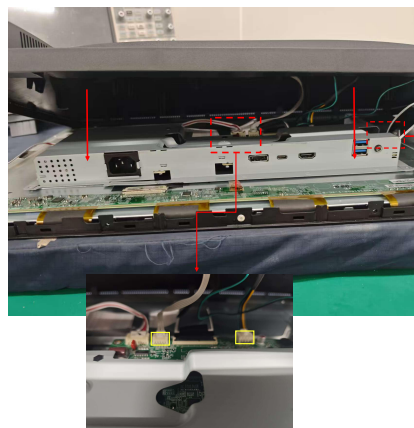
4.Prepare the implement, equipment, materials as bellow:

- 1)Press-fixture
- 2)working table
- 3)Screw-driver
- 4)knife*1
- 5)glove
- 6)cleaning cloth
- 7)ESD protection

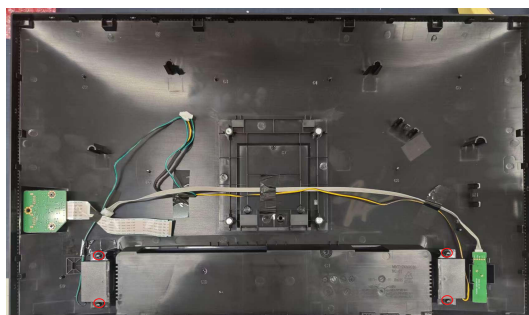
S1 Prepare the worktable.

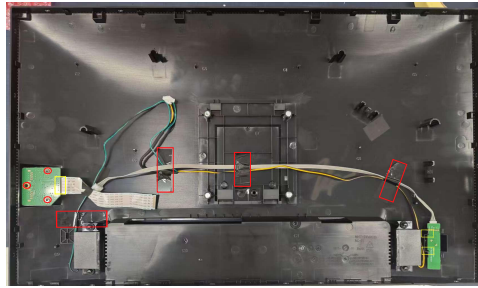


S2 Remove the rear shell, unplug the FFC cable, button board cable, and speaker cable.
(DDA)

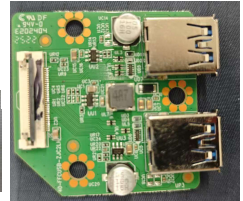


S3 Removing the speaker.

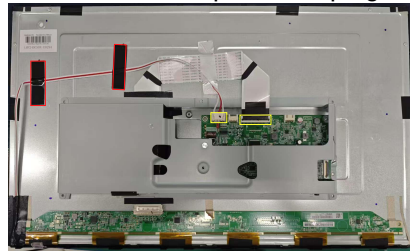




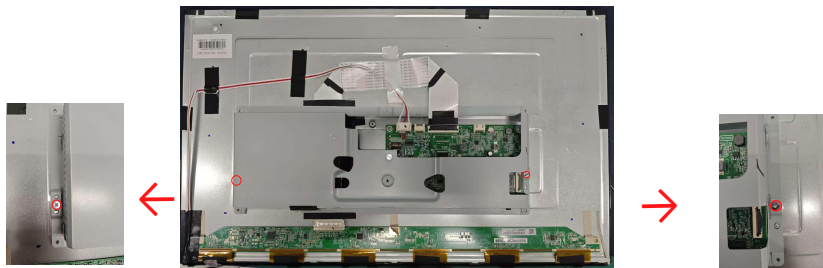
WEEE Annex VII part:



S5 Remove the adhesive tape and unplug the wire harness.

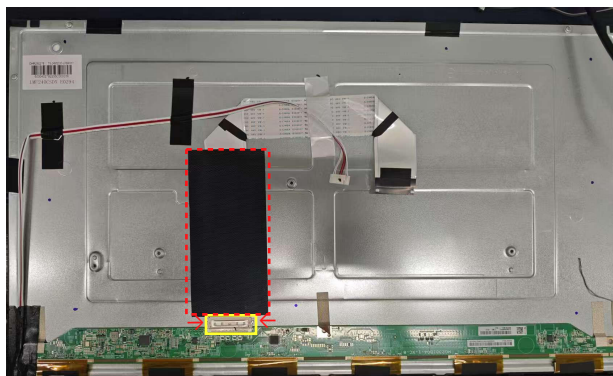


S6 Unscrew the screws and remove the motherboard assembly.
(

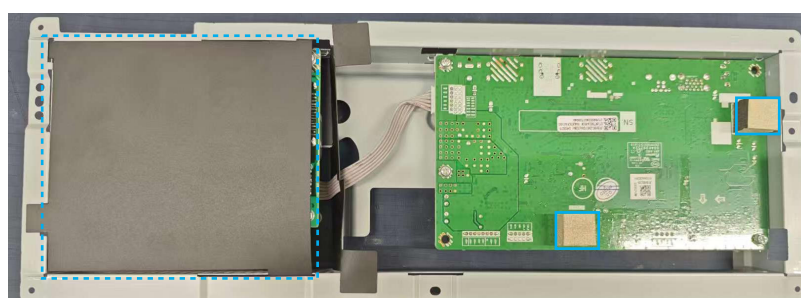


S7 Tear off the barrier and unplug the FFC wire.

DDA

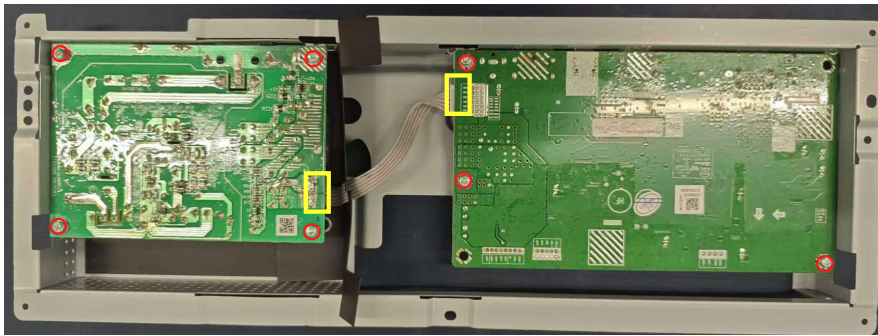


S8 Remove the power strip barrier and remove the motherboard insulation pad.
(

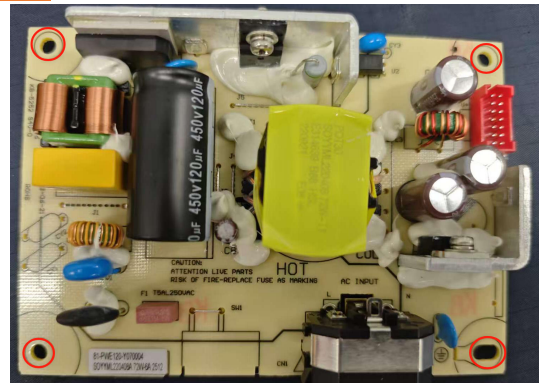
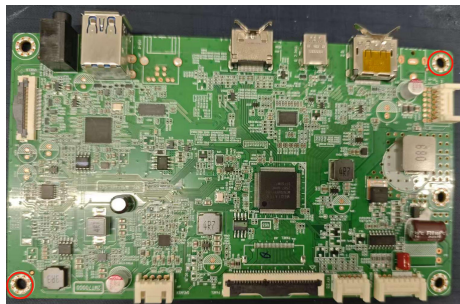


S9 Open the motherboard screws and remove the DC connection cable.

A

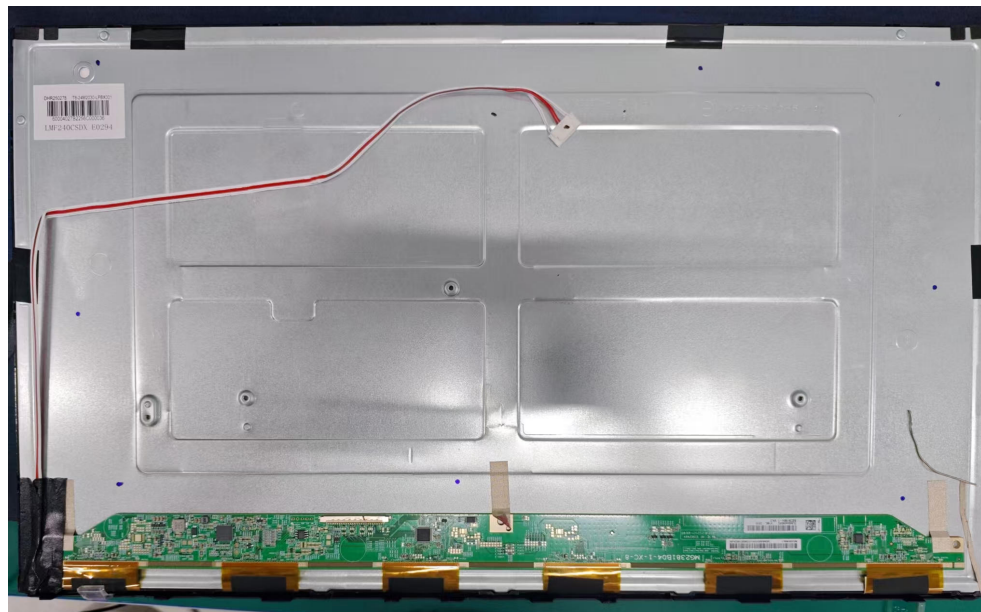


WEEE Annex VII part: PCB



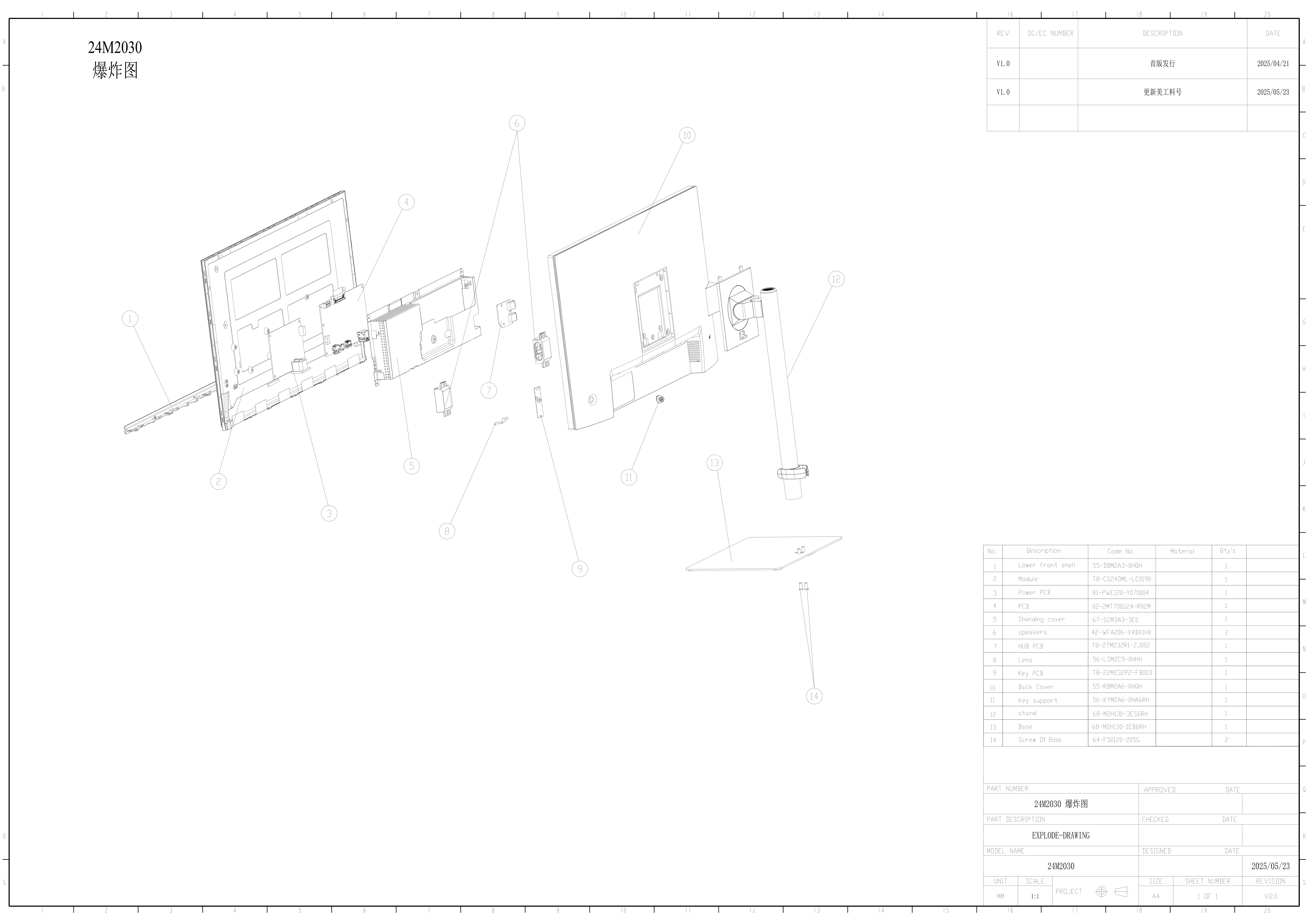
S10 You will see the module.

WEEE Annex VII part: Panel



NOTE: Circuit boards >10 cm² has been highlighted with the yellow rectangle as above image shows. Please detach the Circuit boards and follow local regulations for disposal.

: 10



24M2030
爆炸图

REV	DC/EC NUMBER	DESCRIPTION	DATE
V1.0		首版发行	2025/04/21
V1.0		更新美工料号	2025/05/23

No.	Description.	Code No.	Material	Qty's	
1	Lower front shell	55-DBM2A3-0HQH		1	
2	Module	T8-CS24DML-LC0190		1	
3	Power PCB	81-PWE120-Y070004		1	
4	PCB	02-2MT700G24-R02M		1	
5	Shielding cover	67-SCM3A3-3E0		1	
6	speakers	42-WFA206-X4BXHX		2	
7	HUB PCB	T8-27M232R1-ZJ002		1	
8	Lens	56-LSM2C9-0HHH		1	
9	Key PCB	T8-22M232P2-FB003		1	
10	Back Cover	55-RBM2A6-0HQH		1	
11	Key support	56-KYM2A6-0HA6RH		1	
12	stand	68-M2H130-3ES6RH		1	
13	Base	68-M2H130-JEB6RH		1	
14	Screw Of Base	64-F50120-205G		2	

PART NUMBER			APPROVED		DATE
24M2030 爆炸图					
PART DESCRIPTION			CHECKED		DATE
EXPLODE-DRAWING					
MODEL NAME			DESIGNED		DATE
24M2030					2025/05/23
UNIT	SCALE	PROJECT	SIZE	SHEET NUMBER	REVISION
MM	1:1		A4	1 OF 1	V2.0