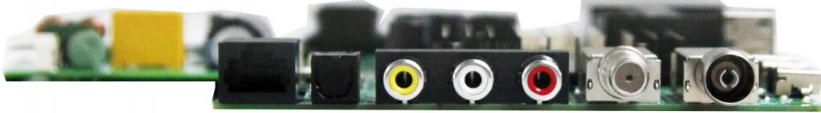
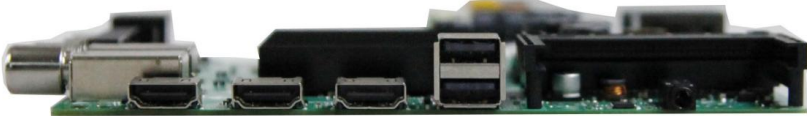


TPD.SK323.PB801 Trouble Shooting

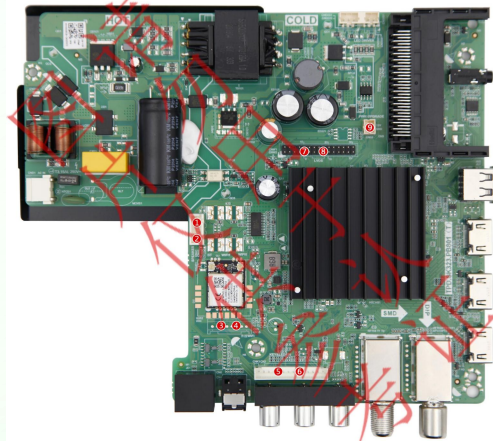
- Power supply**
- Display**
- Audio**
- Function**

POWER Author : qindeshun、 wuhao
Checked By : yuanqiankai、 huangweimin

Side I/O:

标准配置一	欧洲, 3 路 HDMI , 不带 MHL , 2 路 USB , 光纤端子
FUNCTIONS	【PB801_A1】RJ45,OPTICAL OUT,CVBS/AUDIO IN,DVB-S/S2,ATV/DVB-T/C/T2,HDMI#3,HDMI#2,HDMI#1,USB#1/USB#2,EARPHONE OUT
Notes	Onboard 高频头: R842 (IEC 头),RT720(F 螺纹头), CI
FRONT VIEW	
SIDE VIEW	

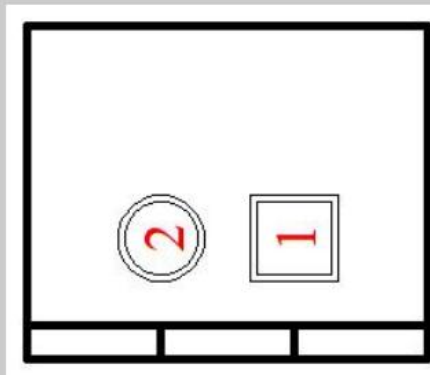
Top View:



Top View:

◆ **CNB2(2PIN/2.0):POWER SUPPLY FOR UPGRADE CONNECTOR**

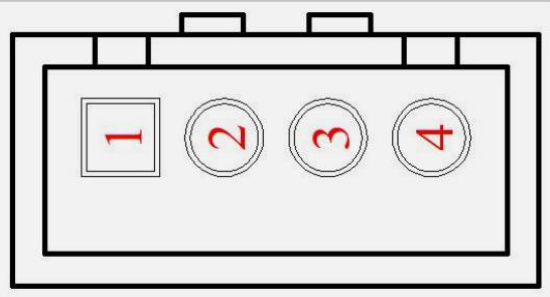
(升级用供电接口)



NO.	SYMBOL	DESCRIPTION
1	GND	Ground
2	12V	+12V DC Power Supply

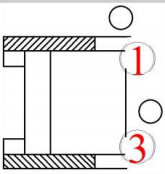
Top View:

◆ *CNA1(4PIN/2.50): SPEAKER 1 CONNECTOR (喇叭输出接口 1)



NO.	SYMBOL	DESCRIPTION
1	ROUT+	Audio Right Channel Output+
2	ROUT-	Audio Right Channel Output-
3	LOUT-	Audio Left Channel Output-
4	LOUT+	Audio Left Channel Output+

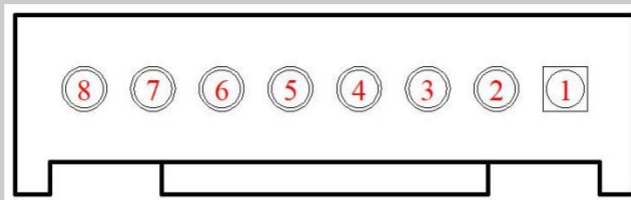
◆ CNB1 (2PIN/7.92): AC INPUT CONNECTOR (交流输入接口)



NO.	SYMBOL	DESCRIPTION
1	L	LIVE (火线)
3	N	NEUTRAL (零线)

Top View:

◆ ***CN5(8PIN/2.0):外挂 WIFI 1 CONNECTOR (外挂 WIFI 接口 1)**



NO.	SYMBOL	DESCRIPTION
1	WIFI_RESET	WIFI_RESET
2	VCC_WIFI	VCC_WIFI
3	WIFI_DM_IN	WIFI_DM_IN
4	WIFI_DP_IN	WIFI_DP_IN
5	GND	Ground
6	BT_WAKE_HOST	BT_WAKE_HOST
7	WL_WAKE_HOST	WL_WAKE_HOST
8	BT_VSYN	BT_VSYN

Top View:

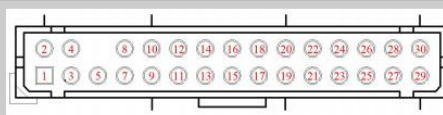
◆ **CNK1(14PIN/2.0): KEY&LED&IR 1 CONNECTOR**

(按键和 **LED** 灯和遥控控制接口 **1**)

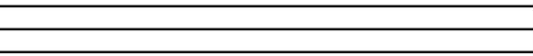
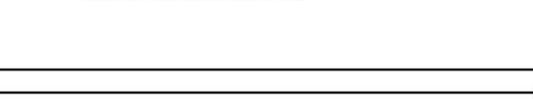
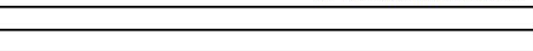
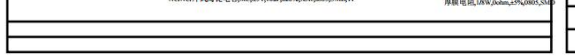
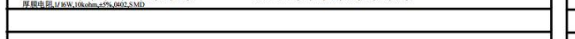
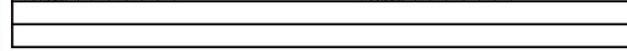
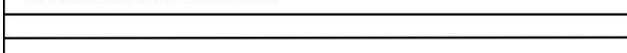
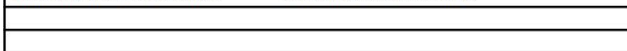
		1234567891011121314			
NO.	SYMBOL	DESCRIPTION			
1	GND	Ground			
2	K7	Key7(Reserved)			
3	K6	Key6			
4	K5	Key5			
5	K4	Key4			
6	K3	Key3			
7	K2	Key2			
8	K1	Key1			
9	K0	Key0			
10	GND	Ground			
11	IR_IN	IR Receiver, $V_{IH} \geq 2V$, $V_{IL} \leq 1V$, $I_{ILmin} : 1mA$, $I_{IHmin} : 1mA$			
12	LED_G_OUT	Green Indicator, $VOH \geq 2V$ ($IOHMAX: 2mA$), $VOL \leq 0.8V$ ($IOLMAX: 2mA$)			
13	LED_R_OUT	Red Indicator, $VOH \geq 2V$ ($IOHMAX: 1.3mA$), $VOL \leq 0.8V$ ($IOLMAX: 0.5mA$)			
14	5V_IR	+5V DC Power Supply for IR			

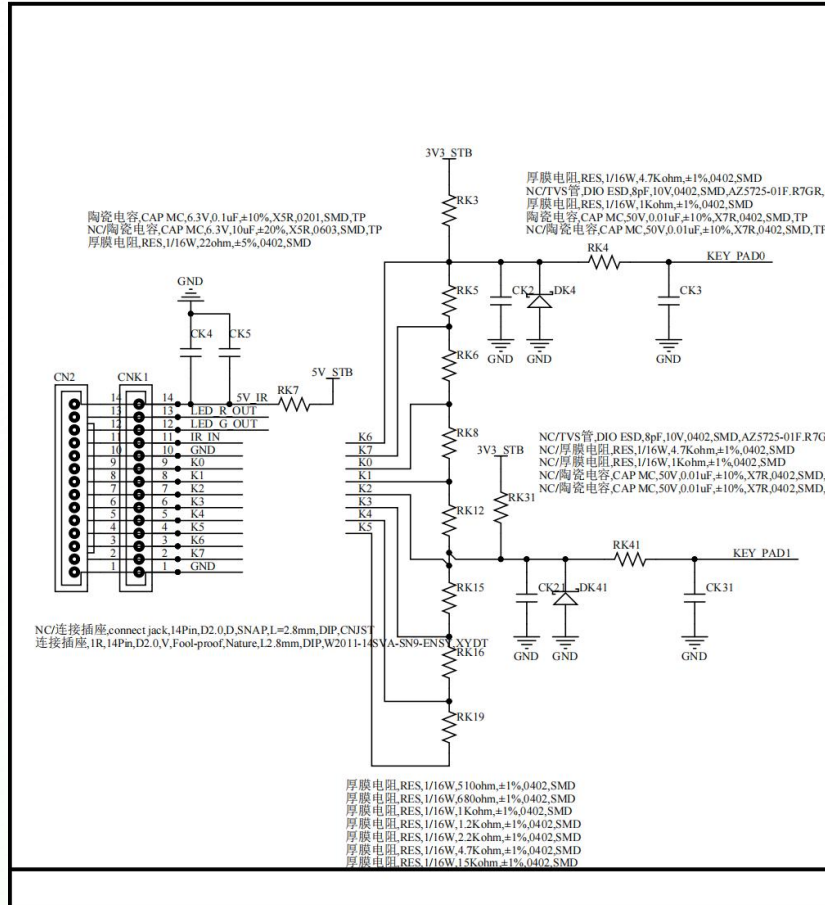
Top View:

◆ *CNW1 (2×15PIN/2.0): LVDS 1 CONNECTOR (LVDS 接口 1)

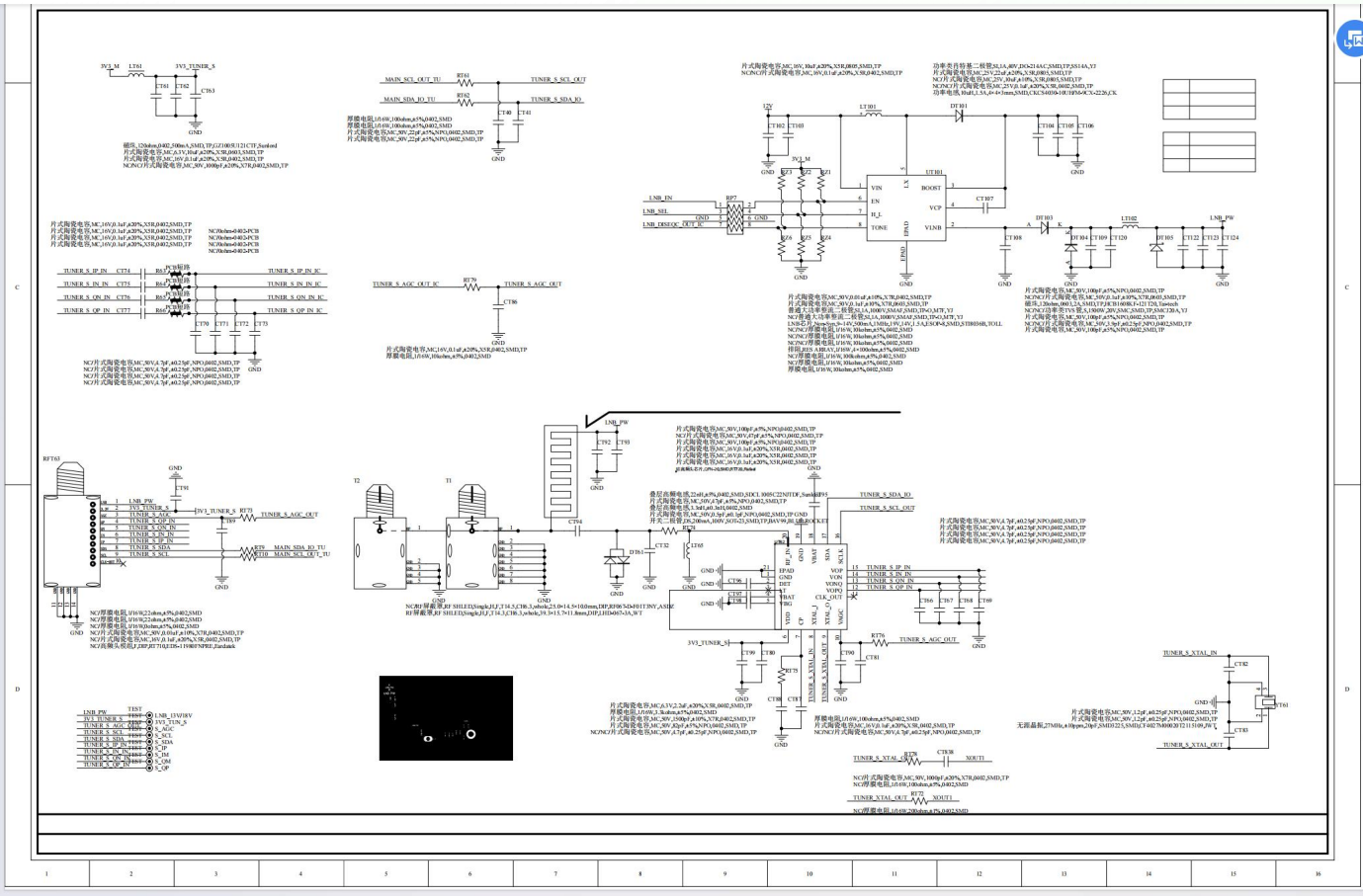


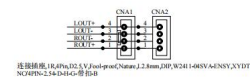
NO.	SYMBOL	DESCRIPTION
1	VCC_PANEL	Power Supply for Panel
2	VCC_PANEL	Power Supply for Panel
3	VCC_PANEL	Power Supply for Panel
4	GND	Ground
5	GND	Ground
7	LVDS_A_0N_IC	LVDS ODD 0- Signal
8	LVDS_A_0P_IC	LVDS ODD 0+ Signal
9	LVDS_A_1N_IC	LVDS ODD 1- Signal
10	LVDS_A_1P_IC	LVDS ODD 1+ Signal
11	LVDS_A_2N_IC	LVDS ODD 2- Signal
12	LVDS_A_2P_IC	LVDS ODD 2+ Signal
13	GND	Ground
14	GND	Ground
15	LVDS_A_CLKN_IC	LVDS ODD Clock- Signal
16	LVDS_A_CLKP_IC	LVDS ODD Clock+ Signal
17	LVDS_A_3N_IC	LVDS ODD 3- Signal
18	LVDS_A_3P_IC	LVDS ODD 3+ Signal
19	LVDS_B_0N_IC	LVDS EVEN 0- Signal
20	LVDS_B_0P_IC	LVDS EVEN 0+ Signal
21	LVDS_B_1N_IC	LVDS EVEN 1- Signal
22	LVDS_B_1P_IC	LVDS EVEN 1+ Signal
23	LVDS_B_2N_IC	LVDS EVEN 2- Signal
24	LVDS_B_2P_IC	LVDS EVEN 2+ Signal
25	GND	Ground
26	GND	Ground
27	LVDS_B_CLKN_IC	LVDS EVEN Clock- Signal
28	LVDS_B_CLKP_IC	LVDS EVEN Clock+ Signal
29	LVDS_B_3N_IC	LVDS EVEN 3- Signal
30	LVDS_B_3P_IC	LVDS EVEN 3+ Signal

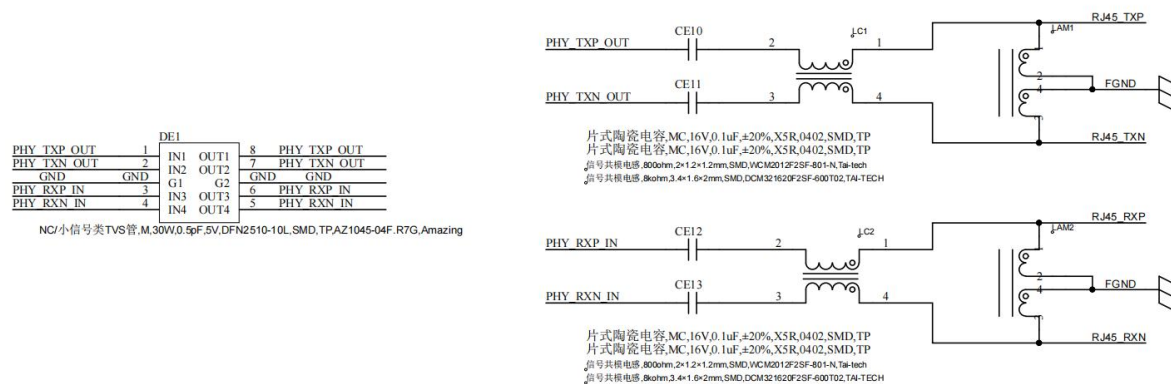
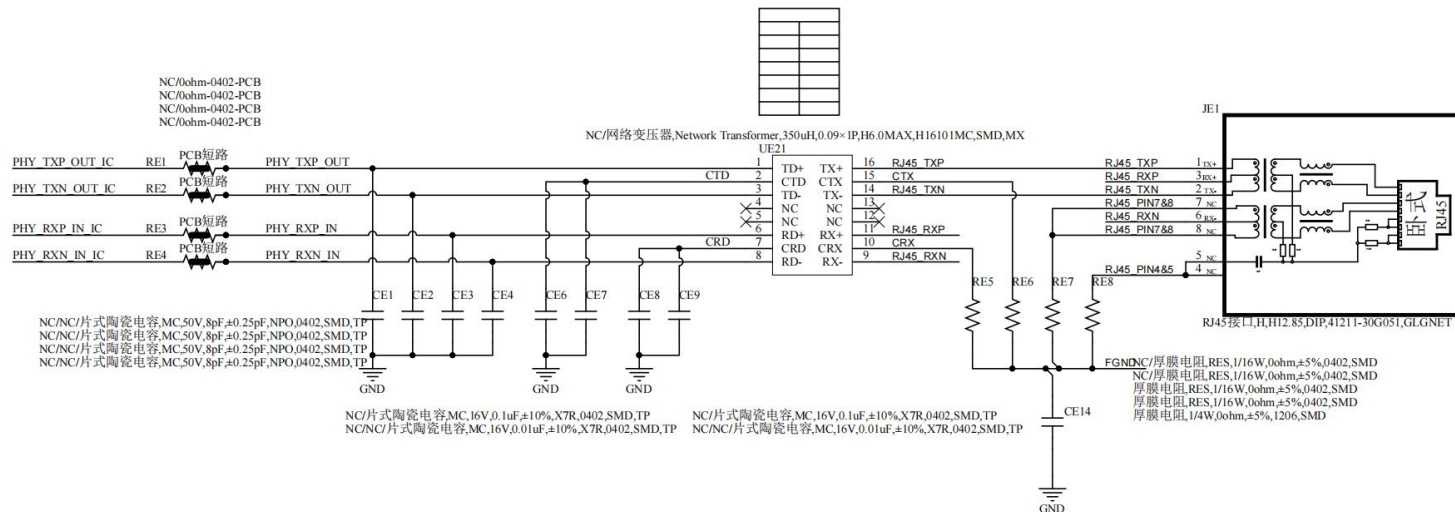


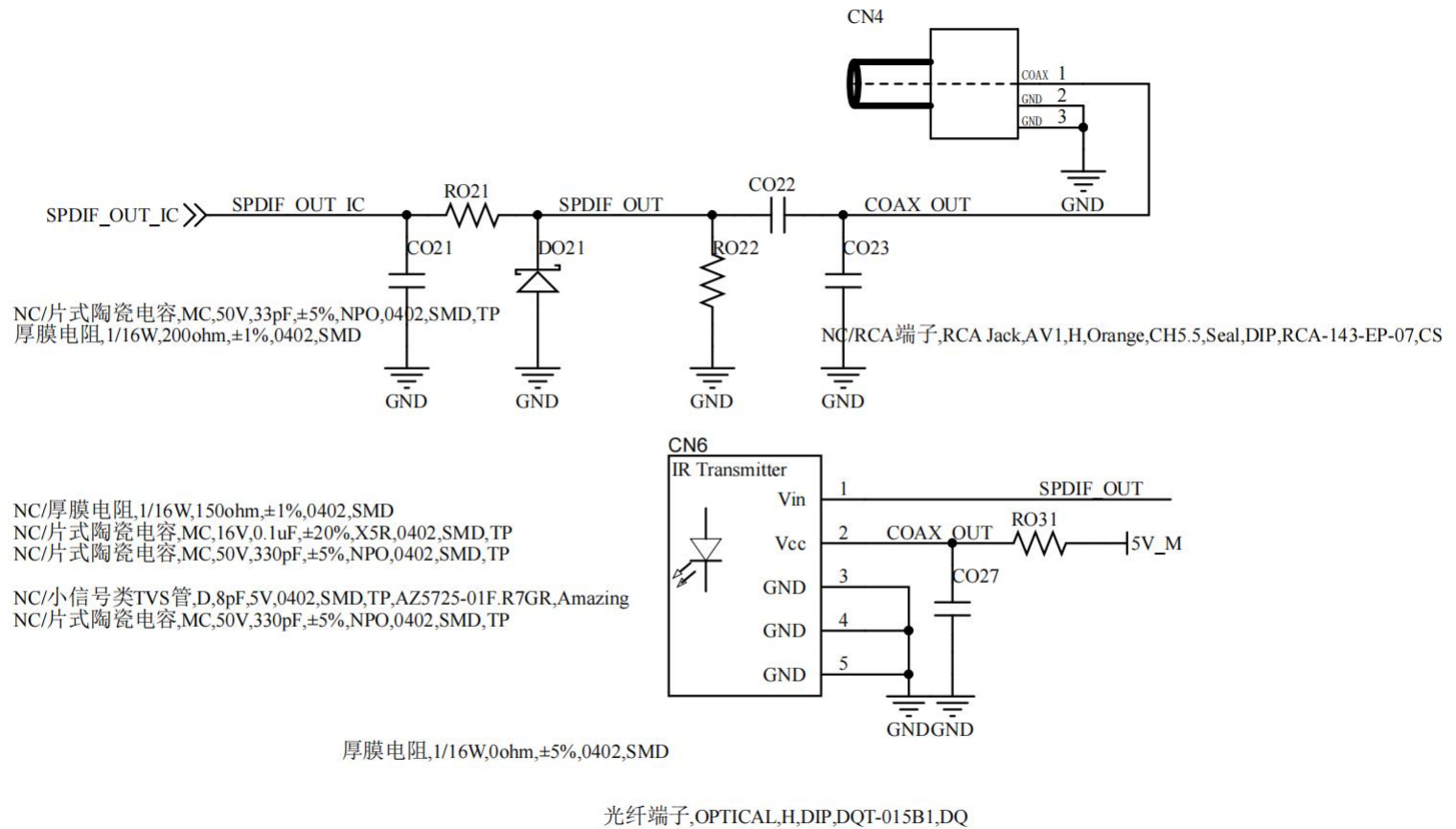




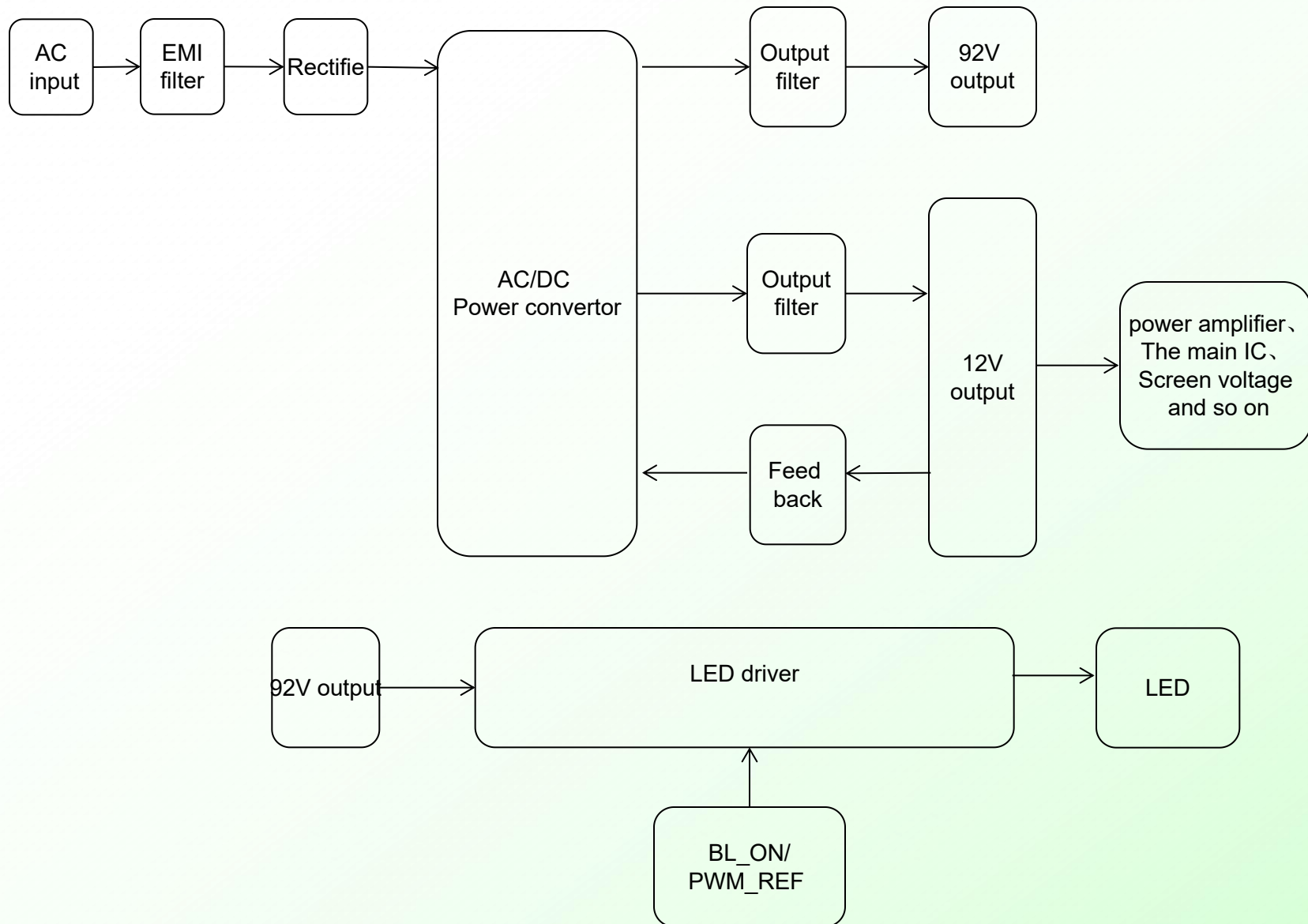




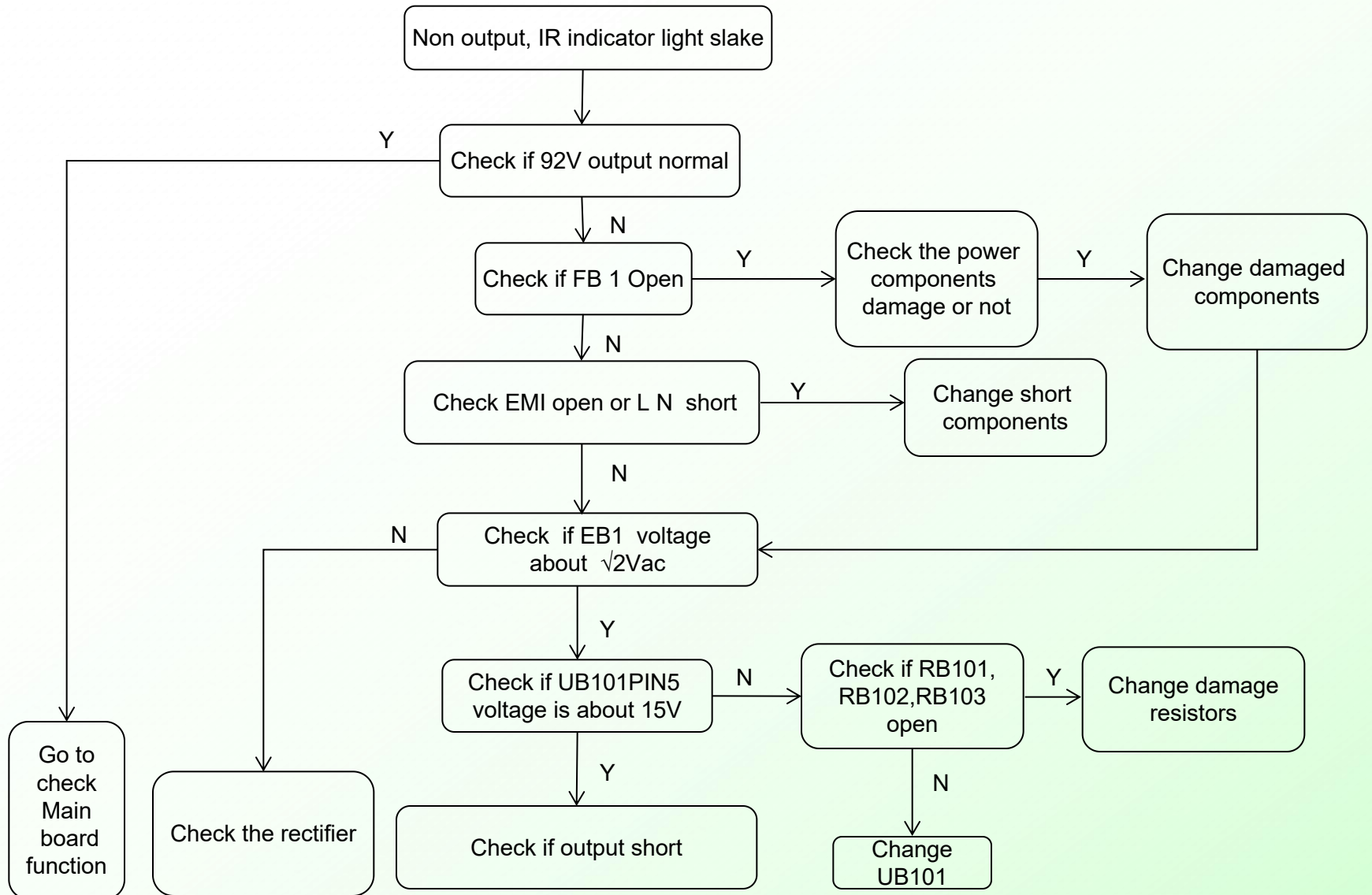




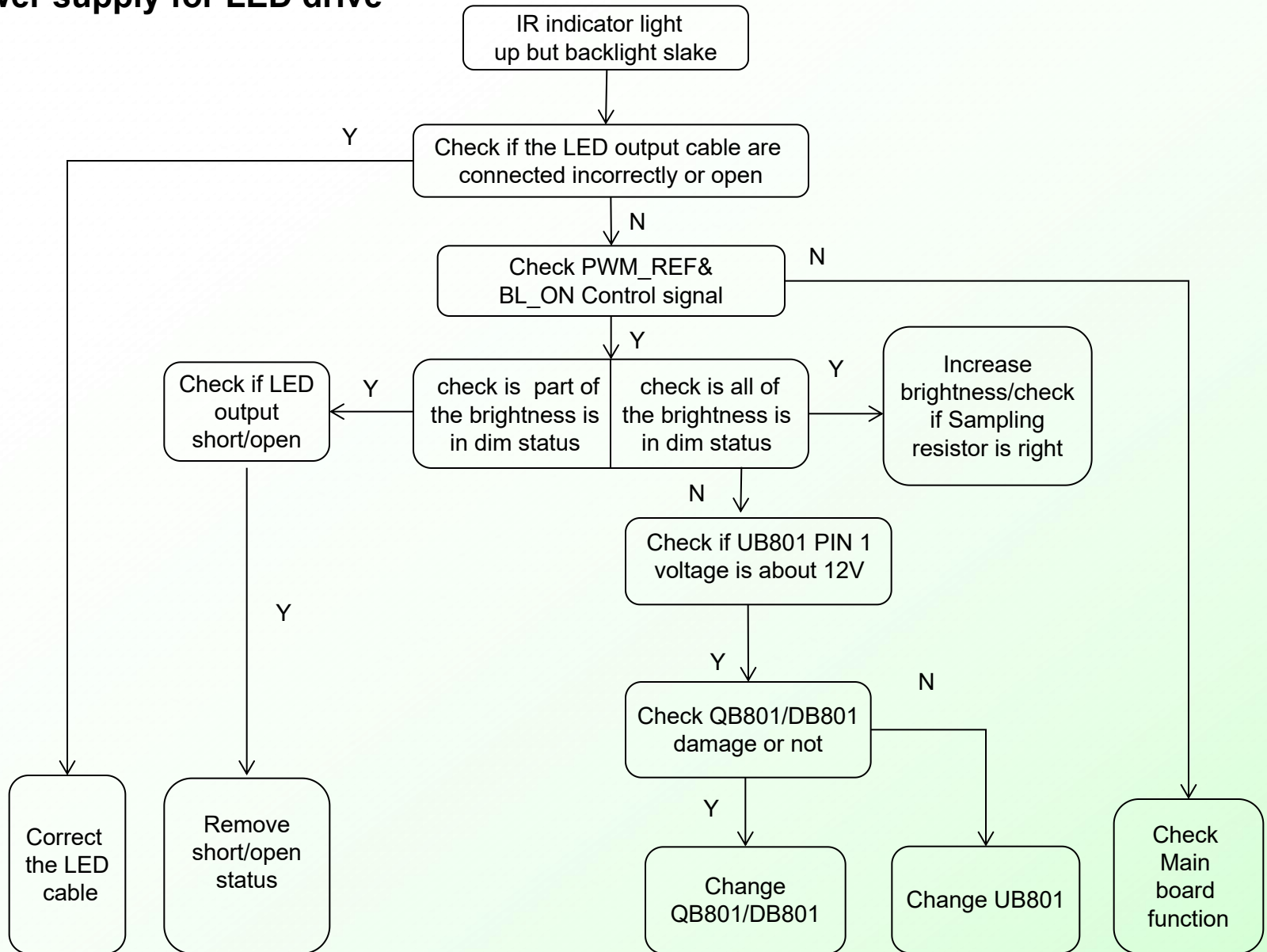
1. Power circuit diagram



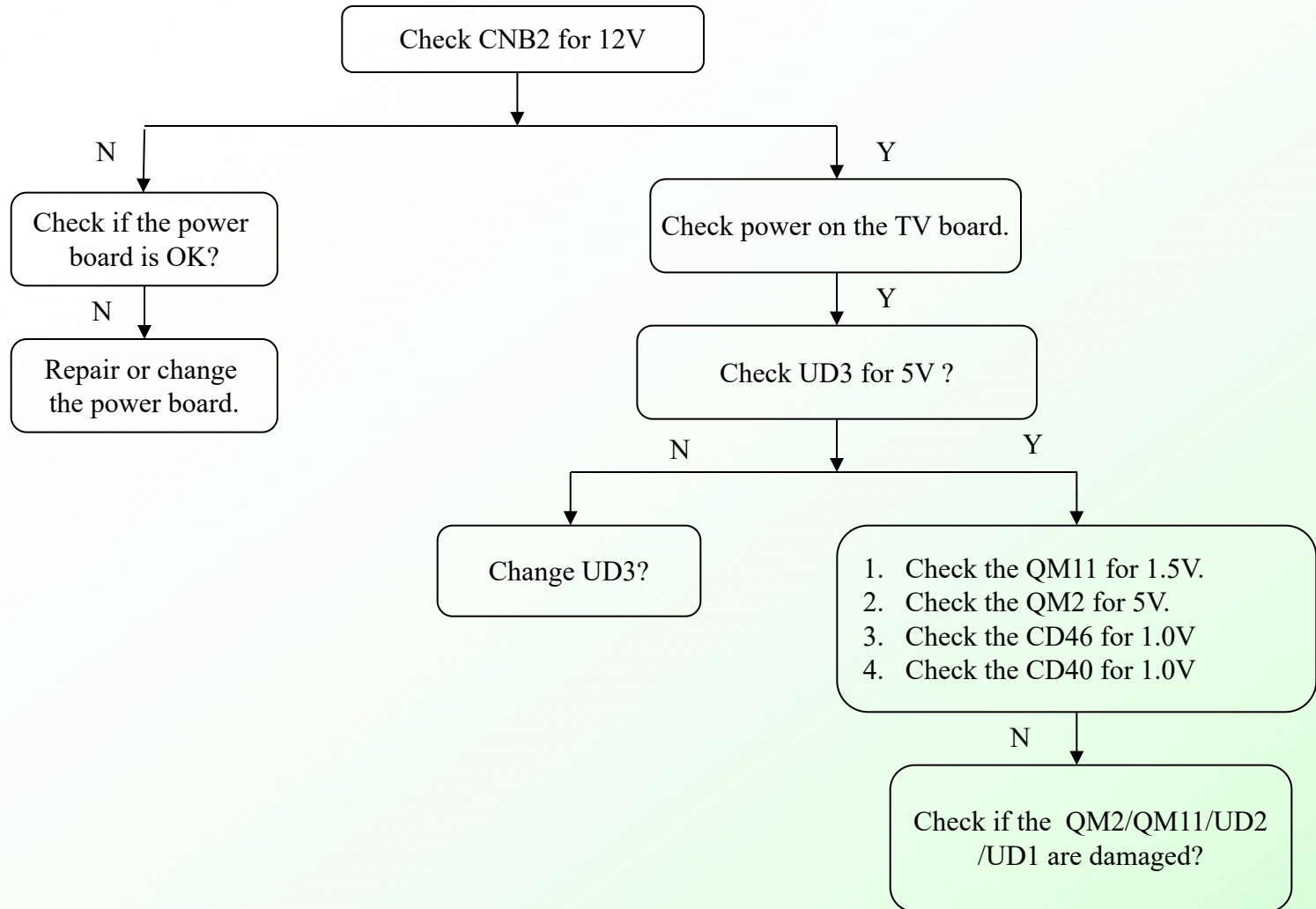
2.Power Supply Trouble 1



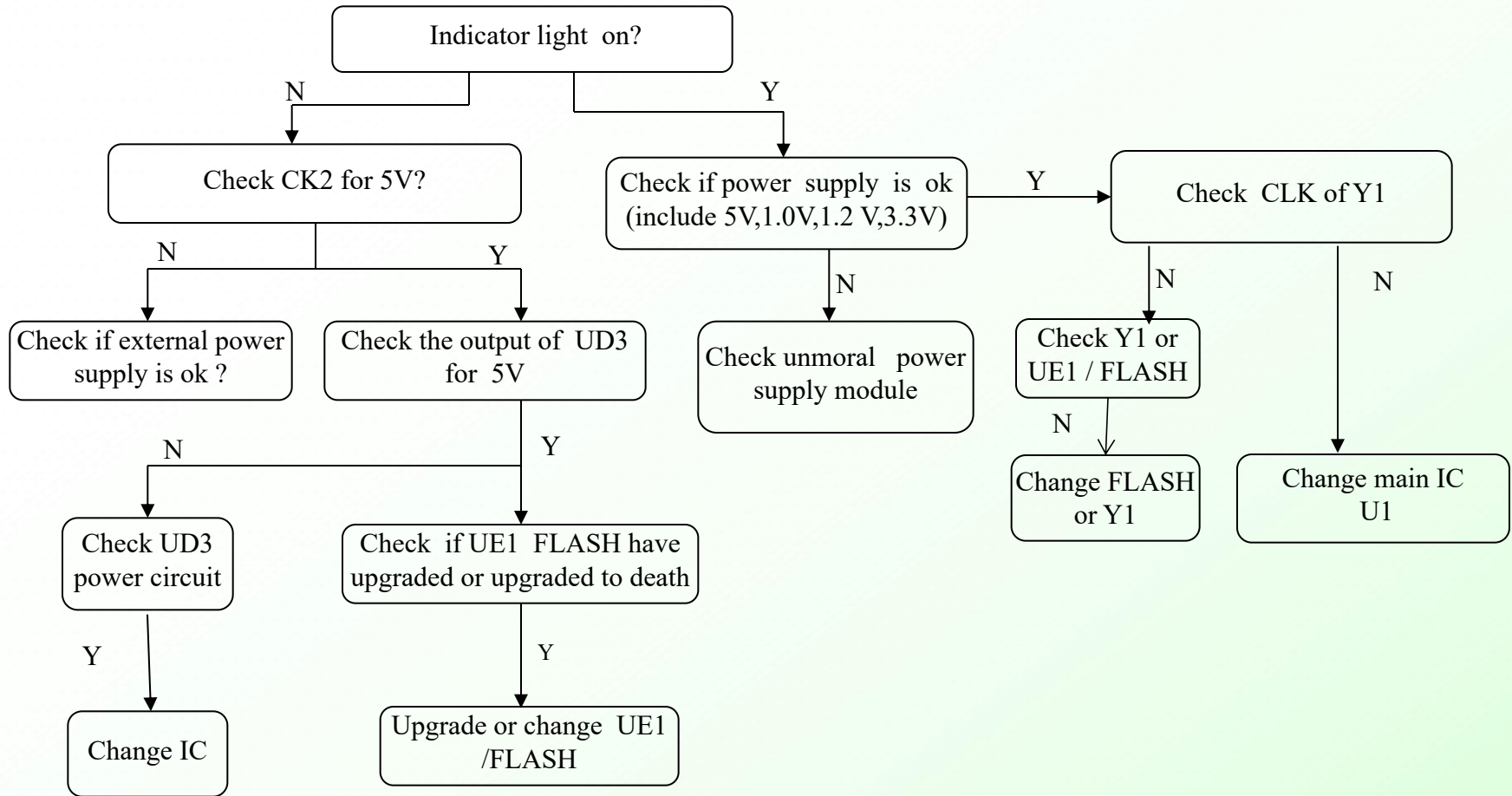
3.Power supply for LED drive



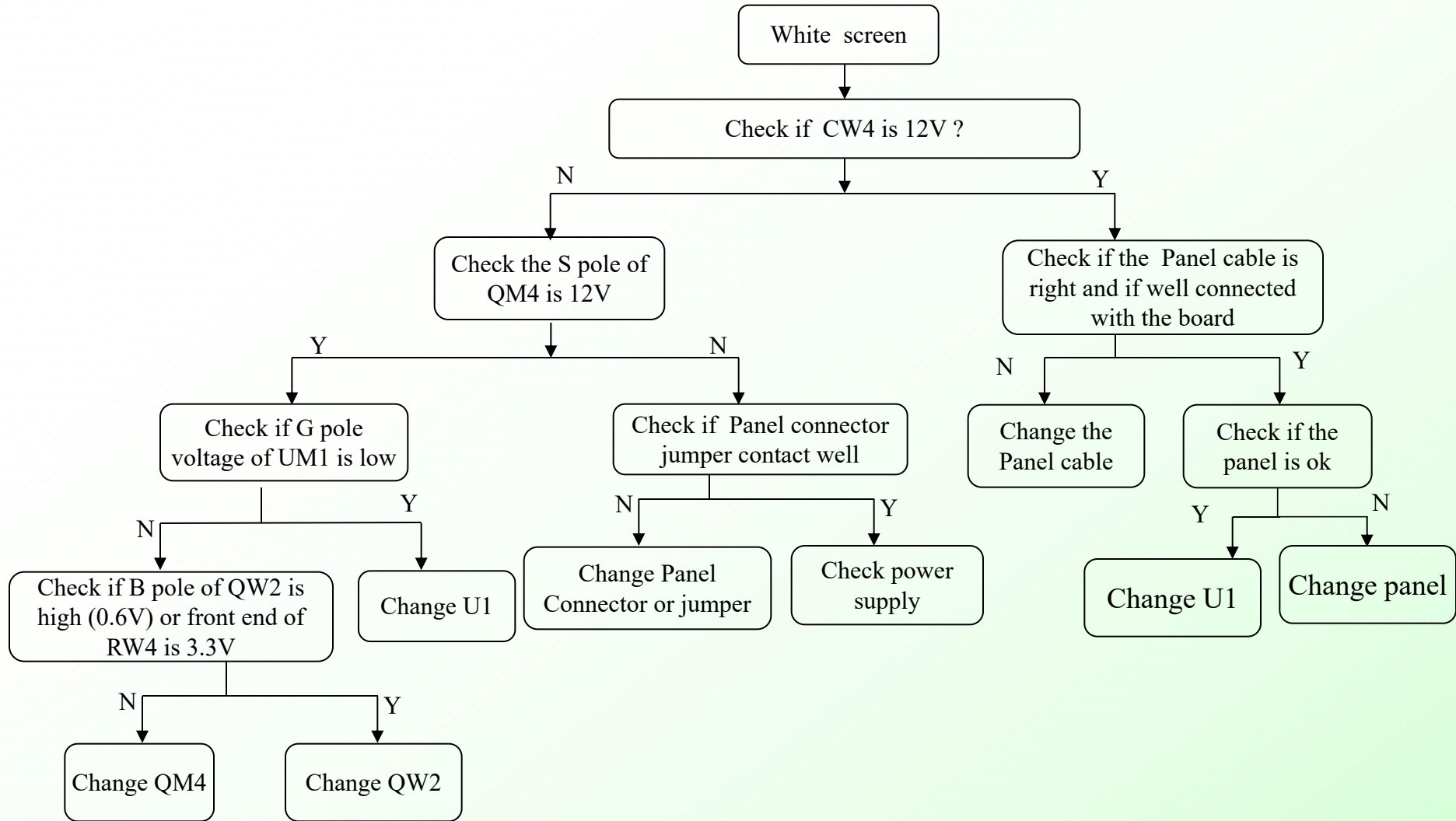
4. Power Troubleshooting



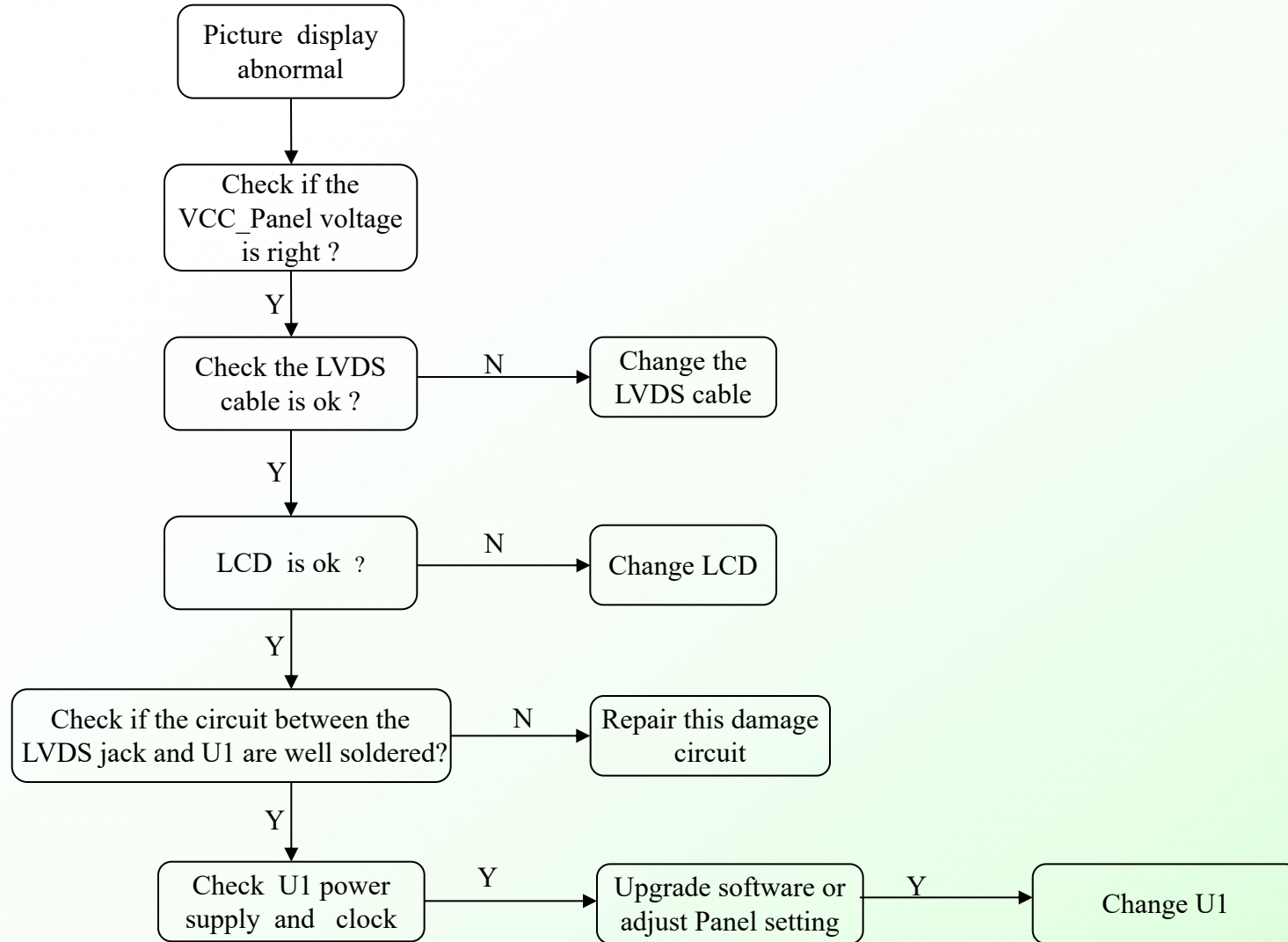
5. Display Troubleshooting (blank screen or show nothing)



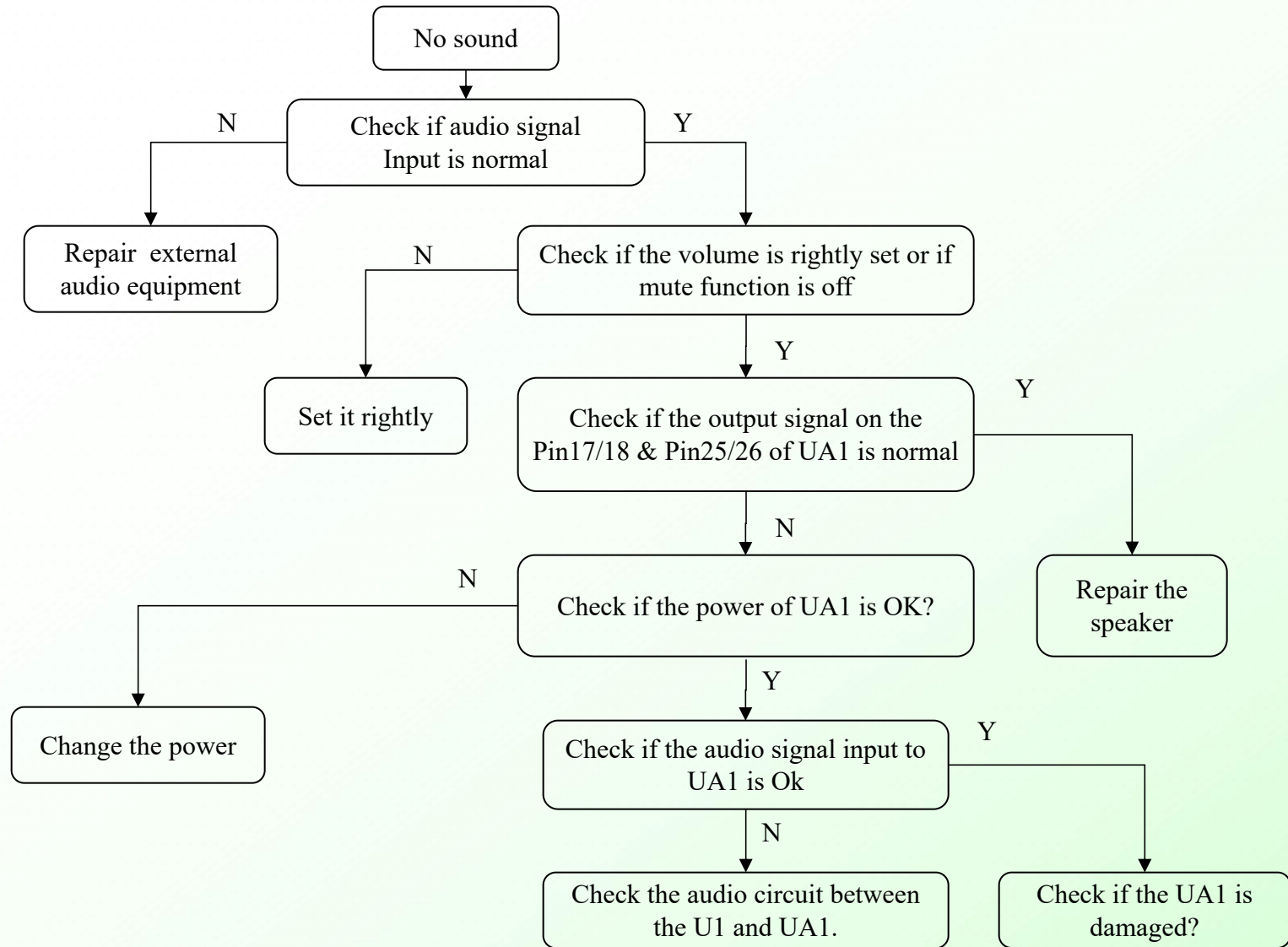
6. Display Troubleshooting (white screen)



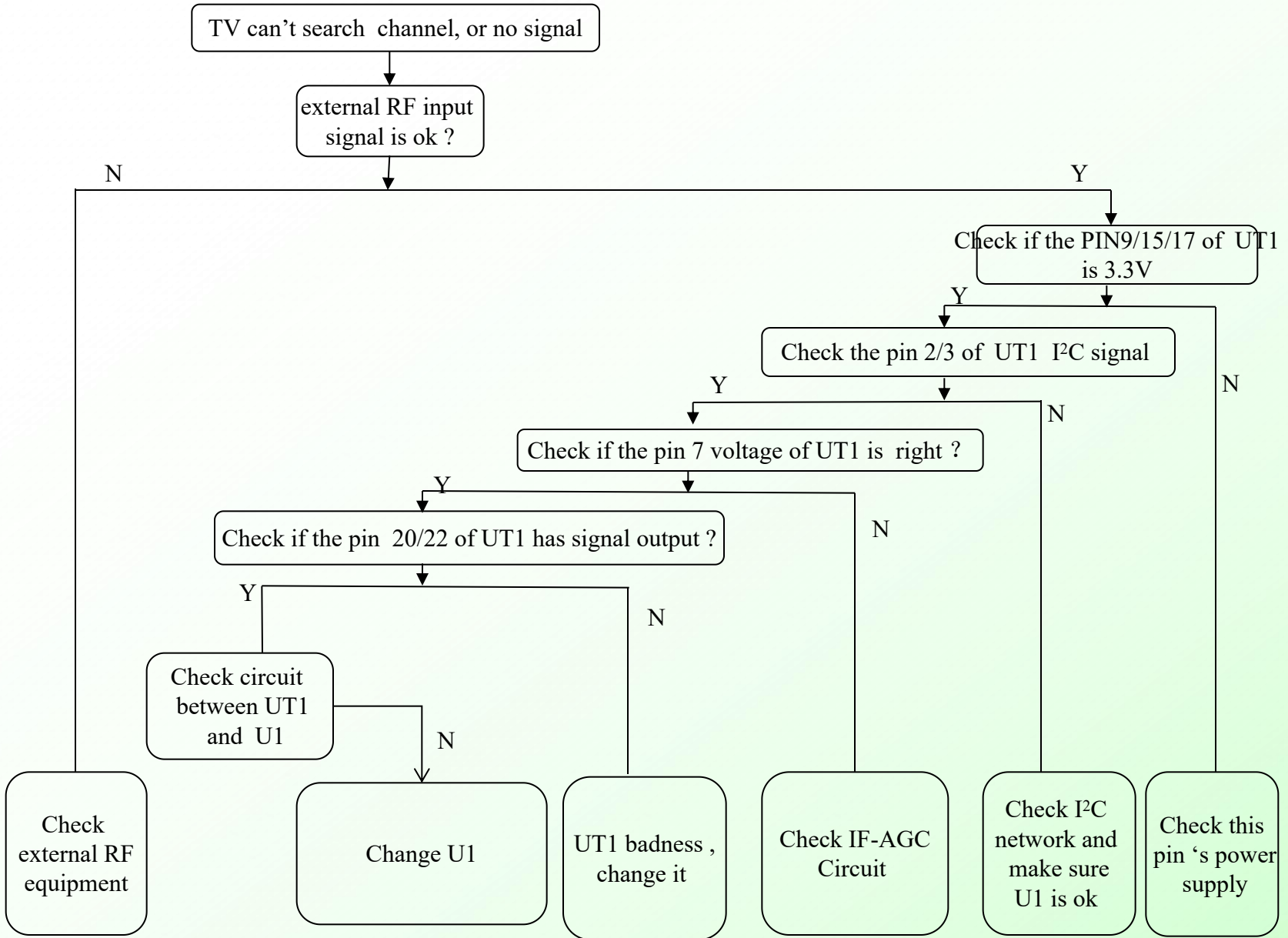
7. Display Troubleshooting (picture badness)



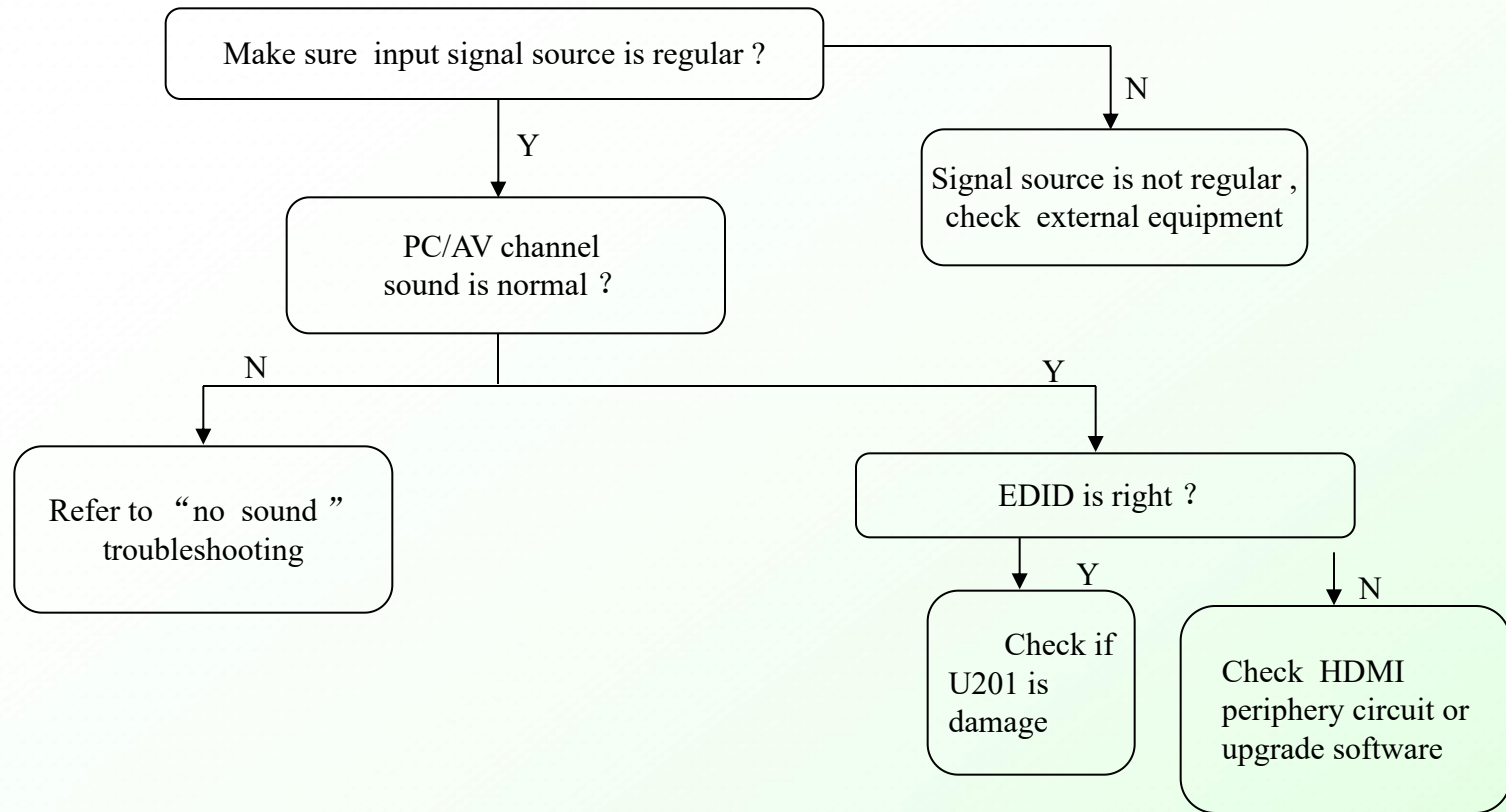
8. Audio Troubleshooting (no sound)



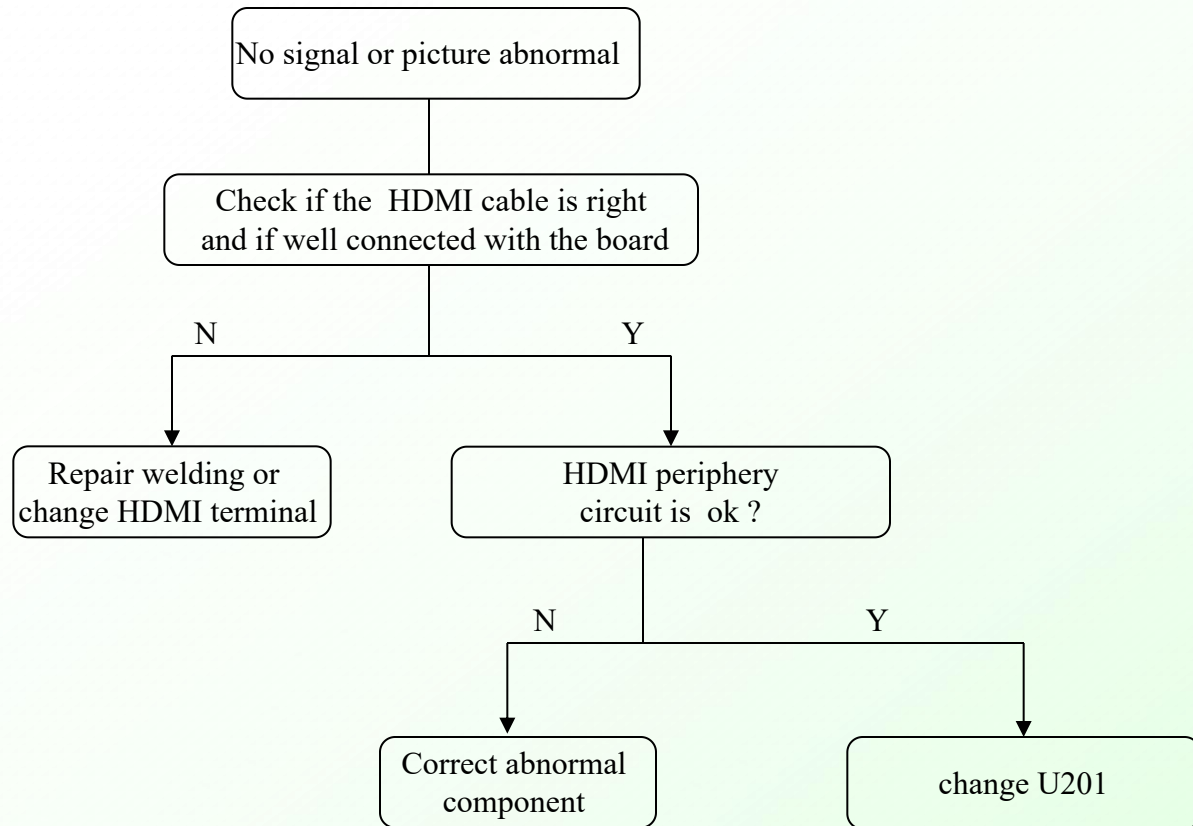
9. Function Troubleshooting (TV fault)



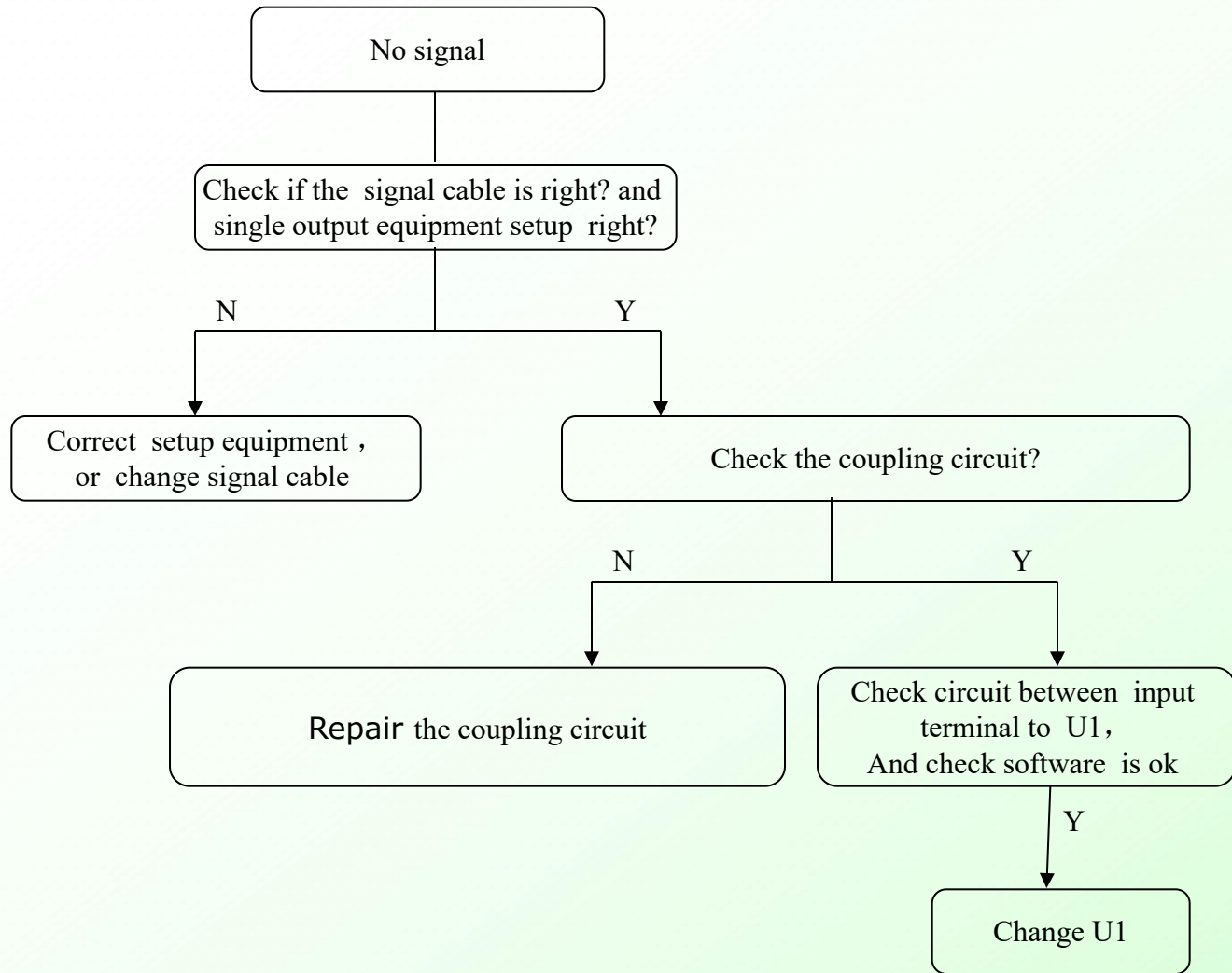
10. Function Troubleshooting (HDMI no sound)



11. Function Troubleshooting (HDMI no picture)



12. Function Troubleshooting (CVBS no signal)



13. Function Troubleshooting (other)

