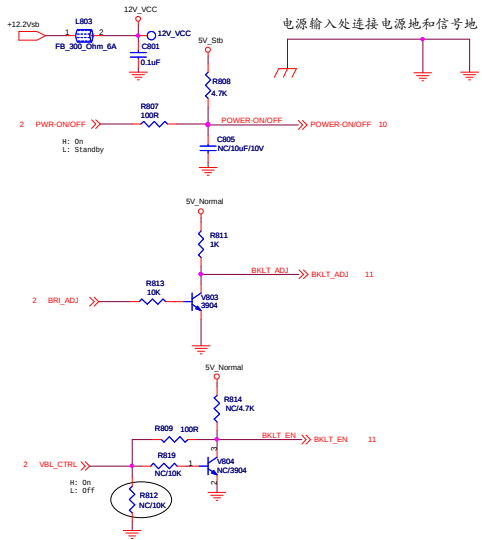
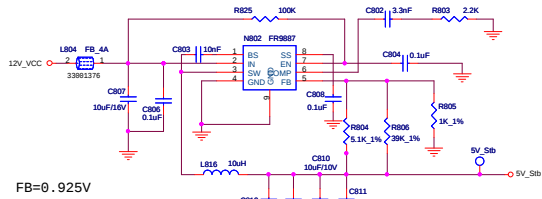


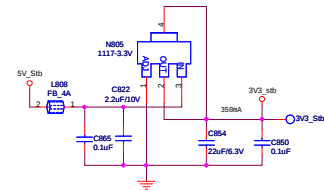
Power Control



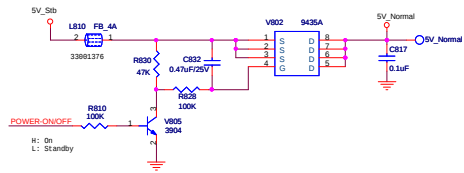
5V_Stb



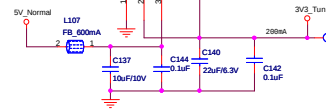
3.3Vstb



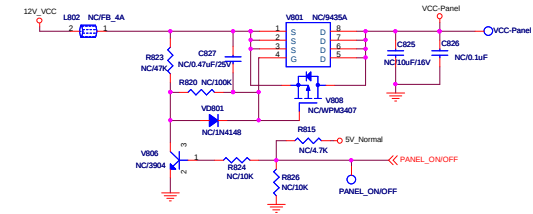
5V_Normal



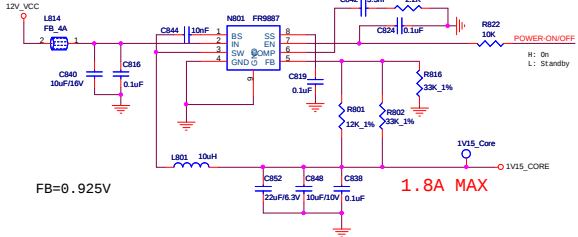
3V3_Tun



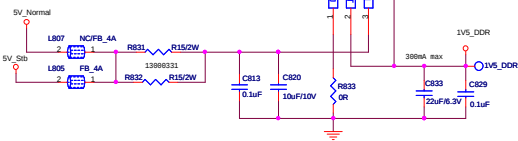
Panel Power



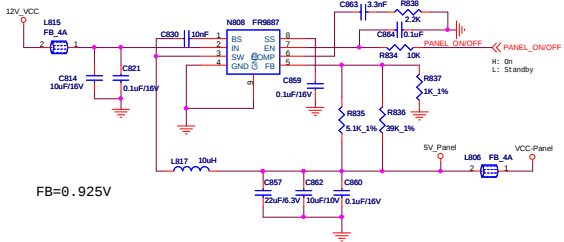
1.15_VDDC



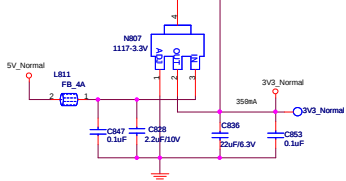
1.5V_DDR

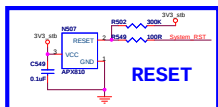
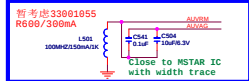


5V Panel



3.3V_normal

[illegible]



Pin 1 to Pin 30 of the M90C08BMT connector. The diagram shows connections for various audio and control signals. Pins 1-10 are for Analog Audio (Line In/Out, Earphone Out, Aux In/Out). Pins 11-14 are for HDMI A. Pins 15-18 are for HDMI C. Pins 19-22 are for HDMI D. Pins 23-26 are for SPDIF MHL. Pins 27-30 are for other signals like I2S, Reset, TestPin, and MHL_VBUS.

[illegible]

The figure contains two schematic diagrams. The top diagram, titled 'Debug port', shows a circuit for connecting a debugger. It includes a 5V supply, a 1k resistor (CS34), a 10k resistor (RS57), and a 10k resistor (RS58). The circuit is connected to a debugger (DBG) and a target device (TGT). The bottom diagram, titled 'MSD MIU', shows a circuit for connecting a debugger to a MicroSD card. It includes a 5V supply, a 1k resistor (RS12), a 10k resistor (RS22), a 10k resistor (RS23), and a 10k resistor (RS24). The circuit is connected to a debugger (DBG) and a target device (TGT).

NOTE: 晶体振荡器需要小电容 30pF
C5=C542*CL-15

The diagram shows a circuit for power detection. A 12V GND supply is connected to a series of resistors: RS27 (100K), RS30 (200K), RS31 (1K), and RS32 (100K). A 5V SB supply is connected to RS29 (100K), which is in parallel with RS27. The output of the divider, taken across RS32, is connected to the anode of a 1N4148 diode. The cathode of the diode is connected to a red line labeled 'POWER DET'. Below the diagram, a note states: 'when detect source is from 5V, change resistance ,make sure detect power 1VPP'.

```
// CHIP Config (PM_CONFIG0, SPI_D1,
PM_CONFIG1, PMW_PM)
SBS1_EXT spi 4'b1000 Boot from 51
EXT SPI flash
HEMCU_EXT spi 4'b1001 Boot from MIPS
EXT SPI flash
1811: boot from SLC
```

3V3_vb

R506 4.7K

R510 4.7K

R509 4.7K

R511 4.7K

R512 4.7K

R513 20K

R520 20K

PM_CONFIG0

SPI_D1

PM_CONFIG1

PMW_PM

Ground

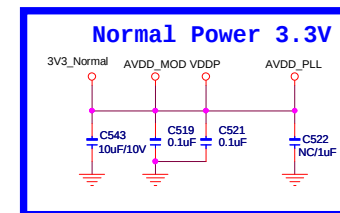
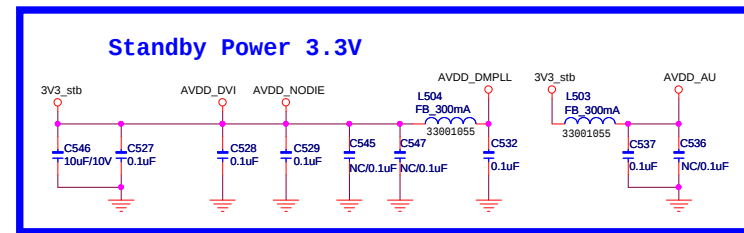
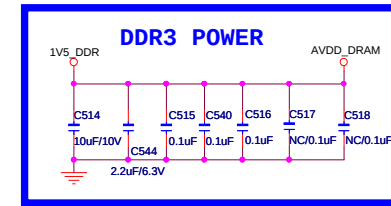
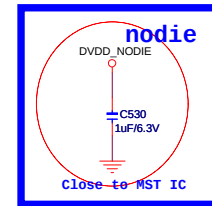
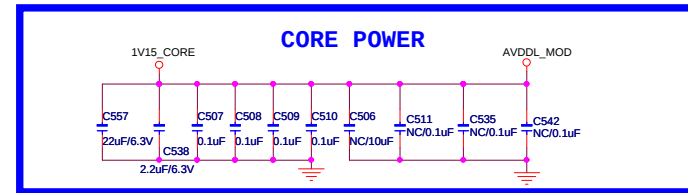
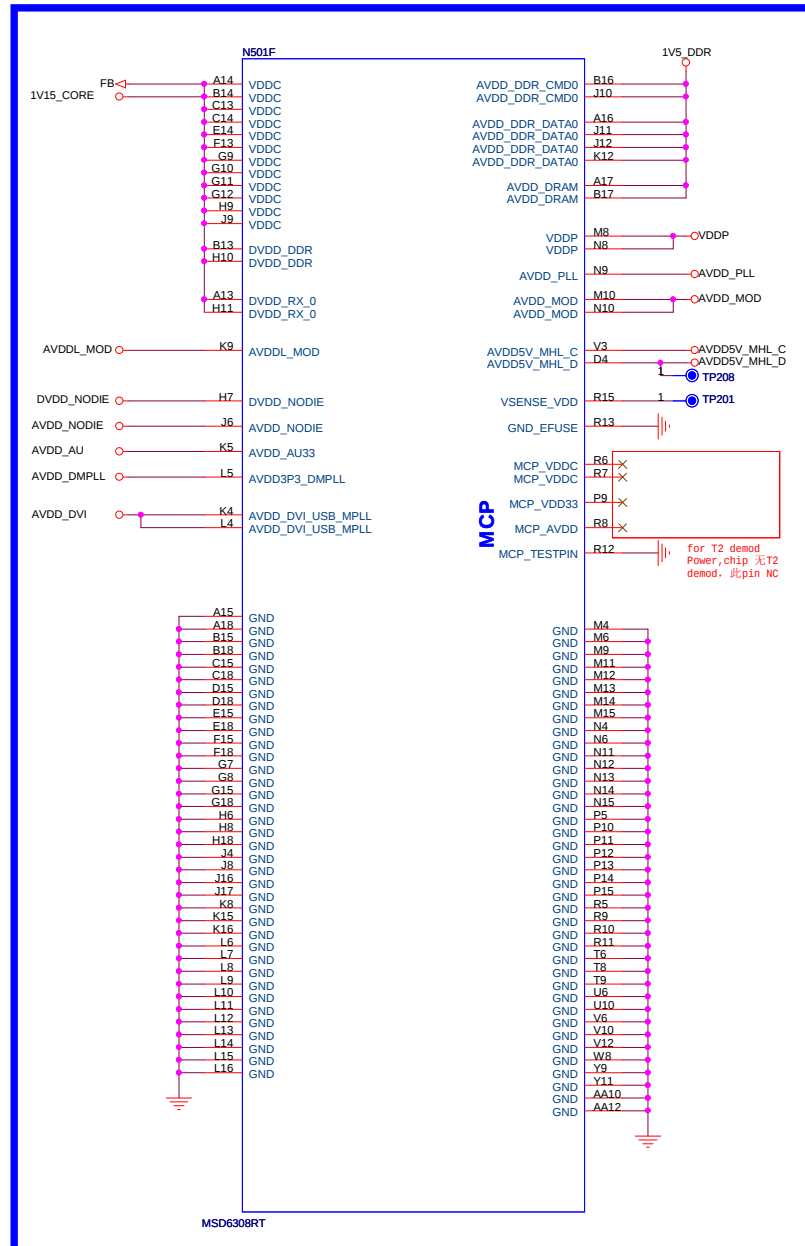
[illegible]

为方便Layout，所有LVDS被分线正负电源调整，软件调整

[illegible]

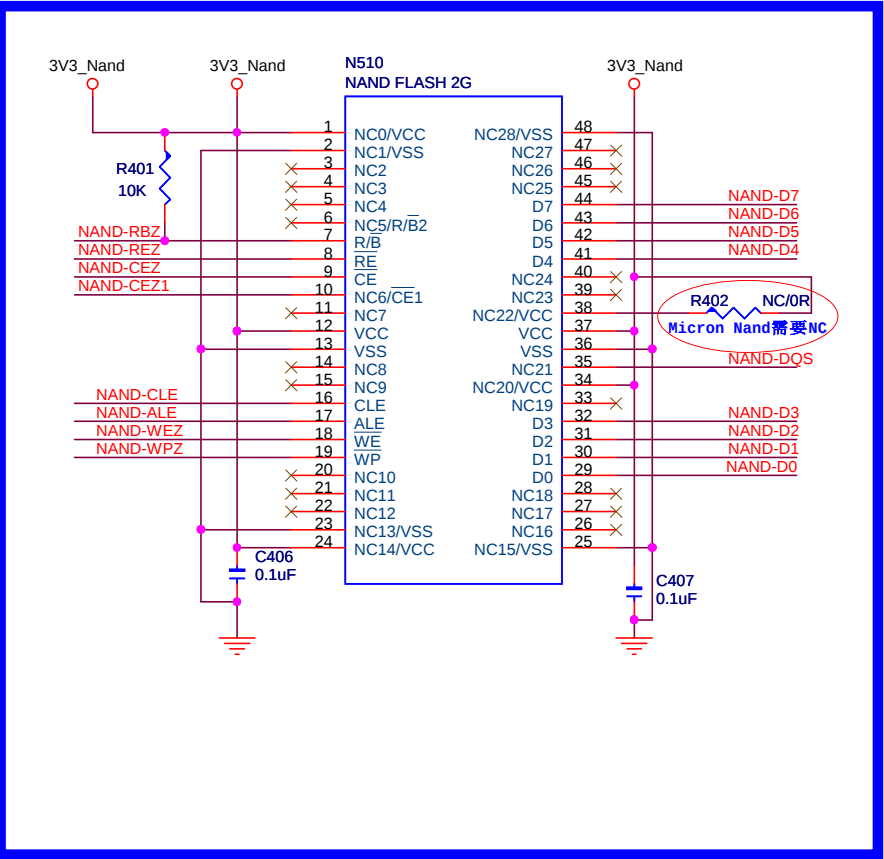
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					审核		
标记	数量	更改单号	签名	日期			第 2 张

POWER&GND

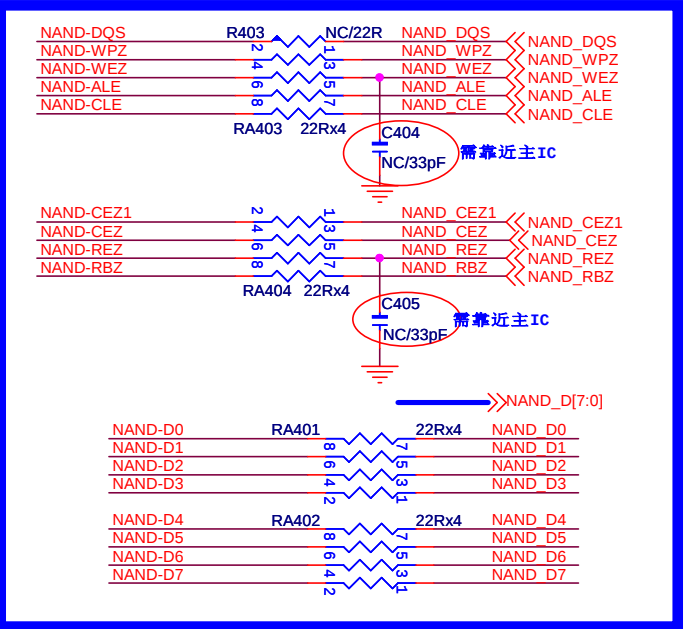
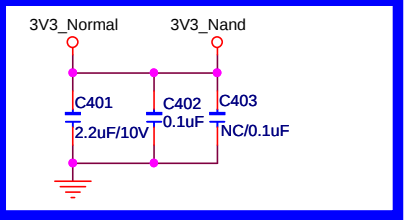


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标记	数量	更改单号	签名	日期			
							第 3 张

NAND FLASH

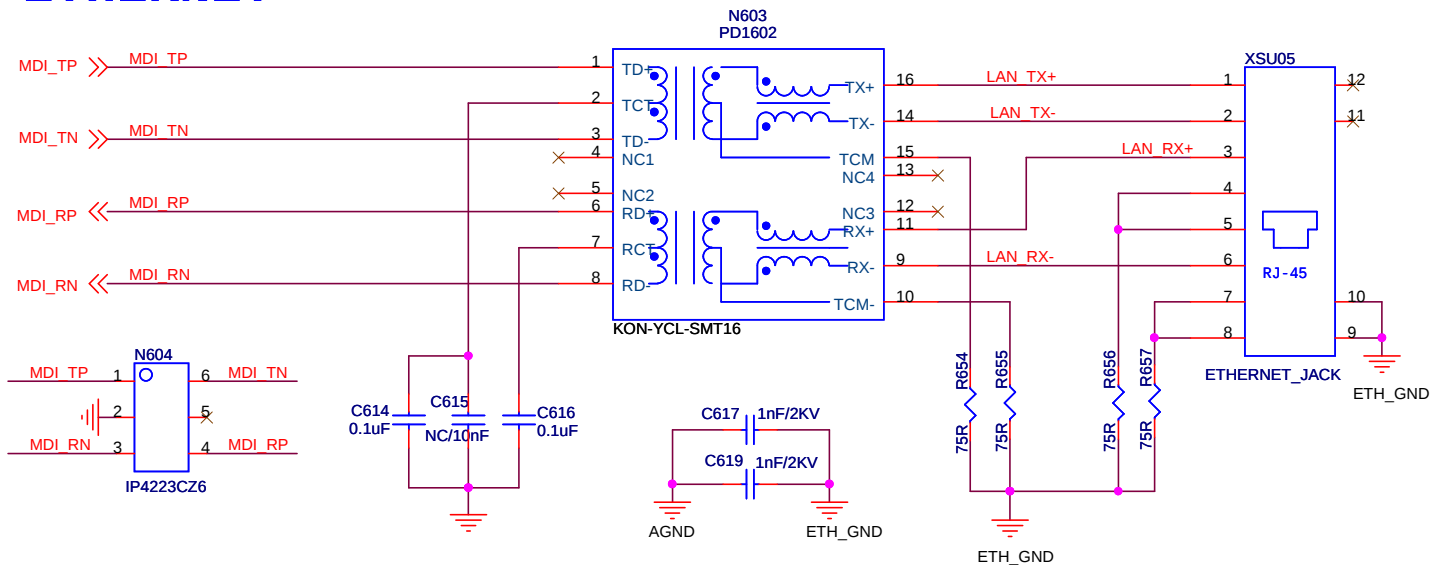


NAND Power

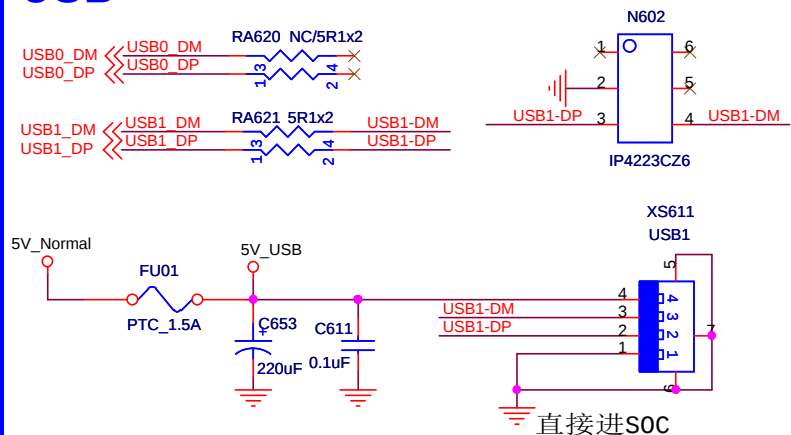


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ETHERNET

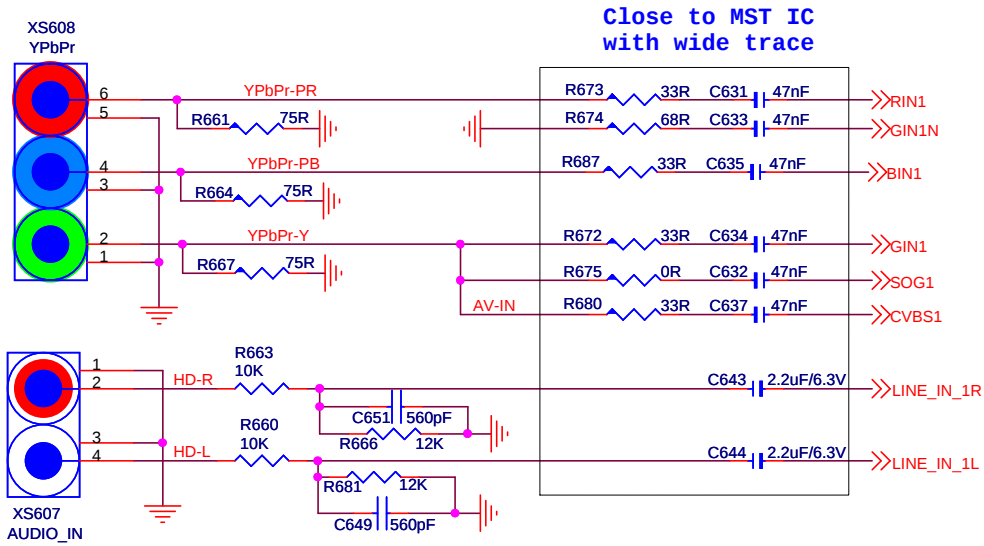


USB

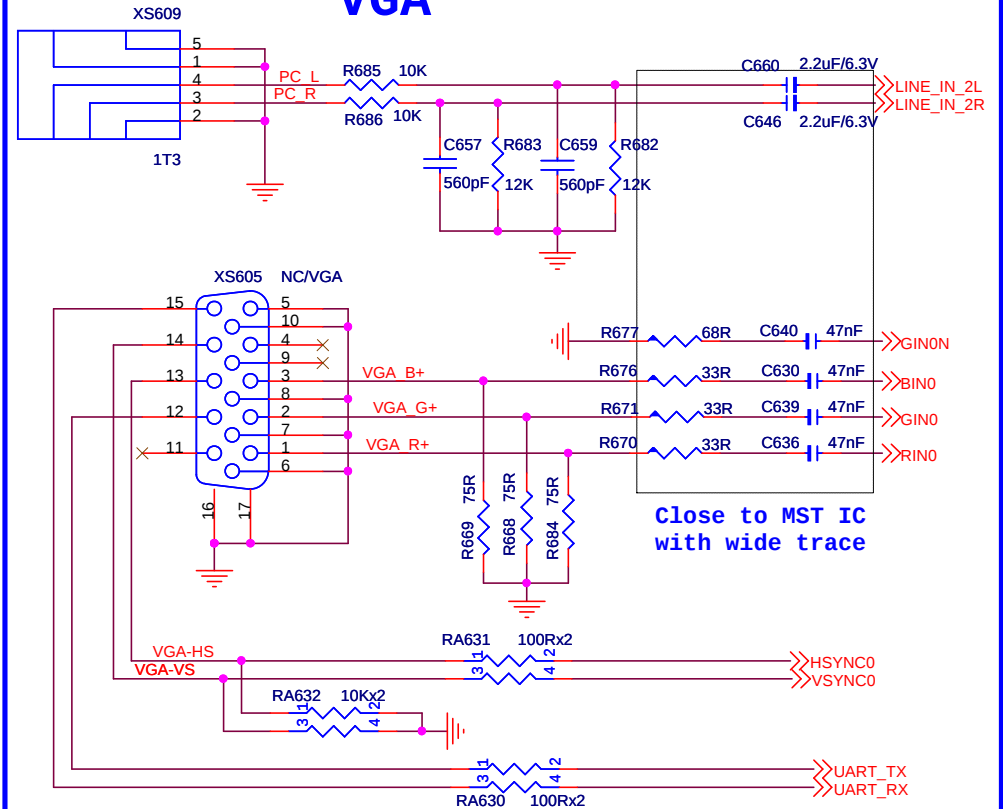


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					审核		
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YPbPr & AV



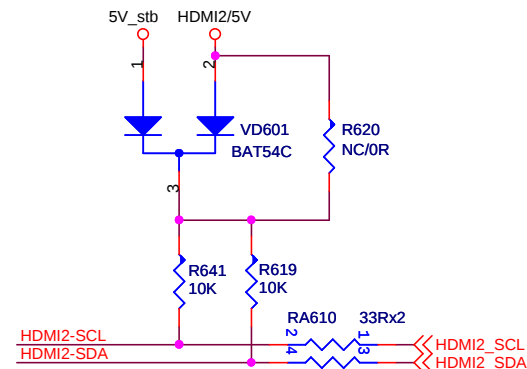
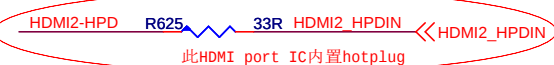
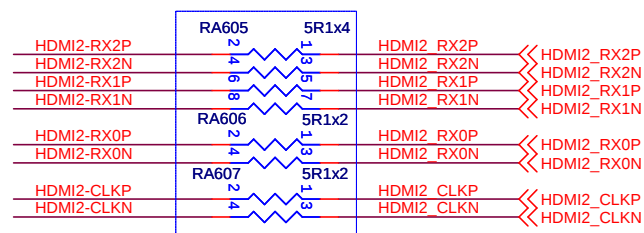
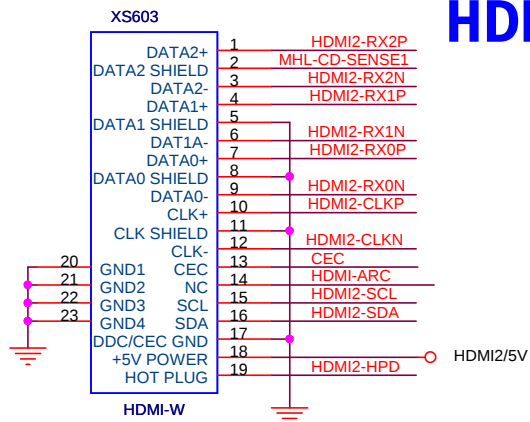
VGA



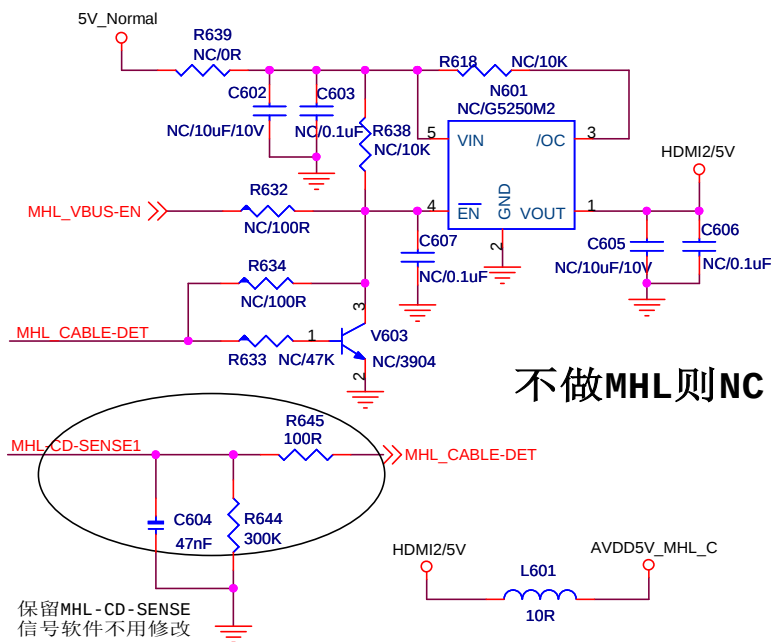
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HDMI@MHL

close to main IC

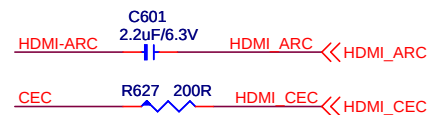


MHL for MSD6308

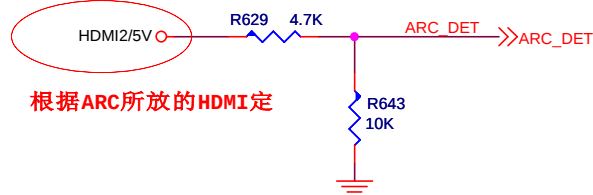


不做MHL则NC

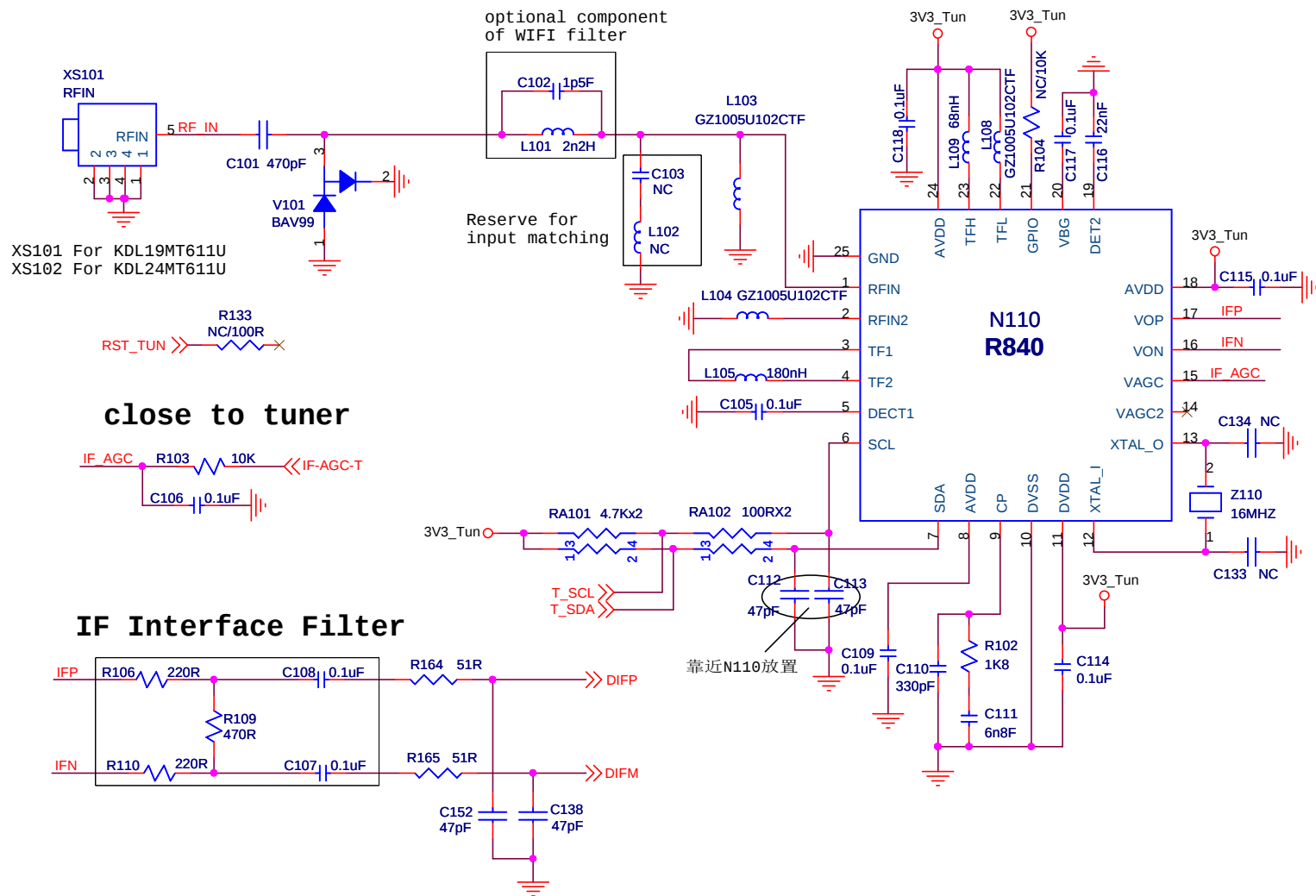
CEC & ARC



ARC DET



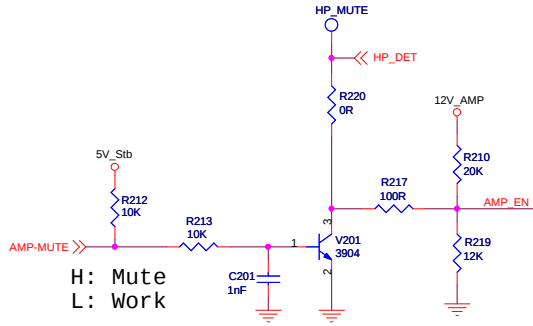
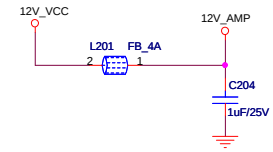
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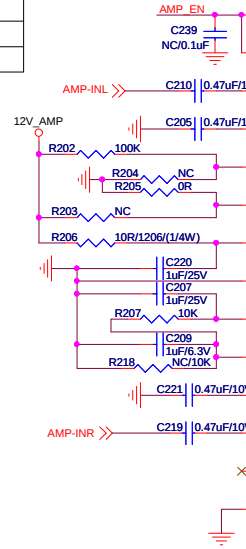
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AMP

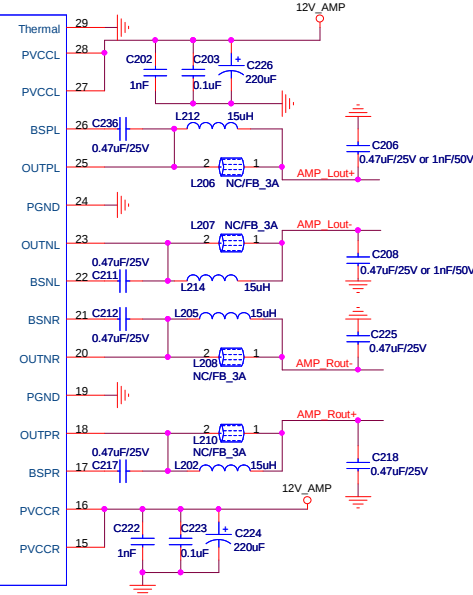
GAIN1	GAIN0	GAIN (dB)
0	0	20
0	1	26
1	0	32
1	1	36



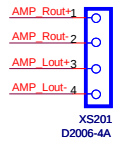
H: Mute
L: Work



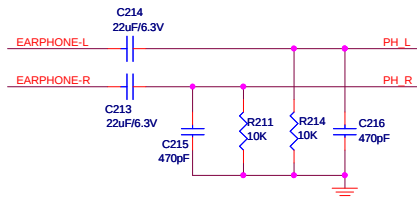
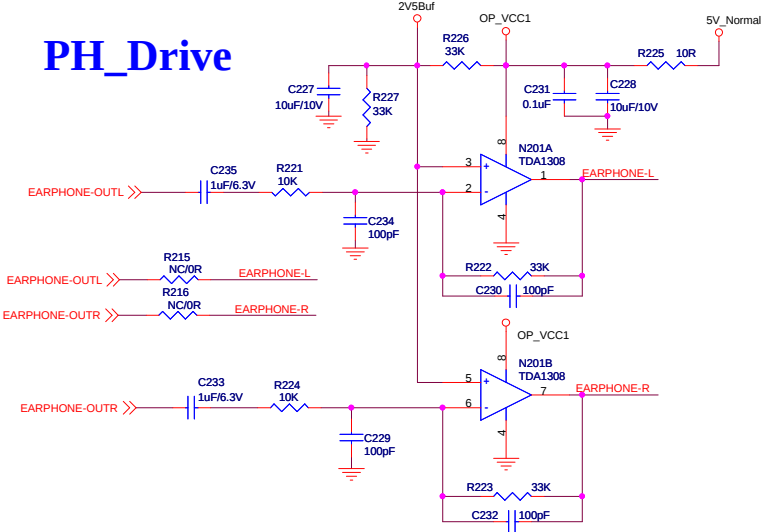
注意焊盘



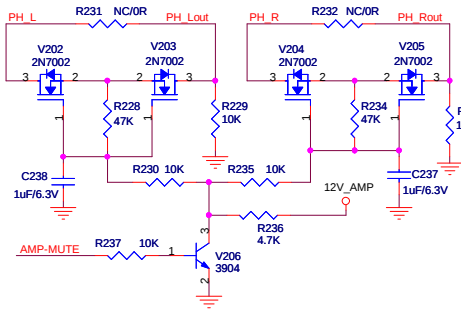
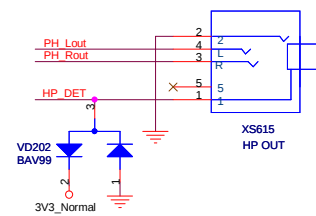
6欧姆喇叭



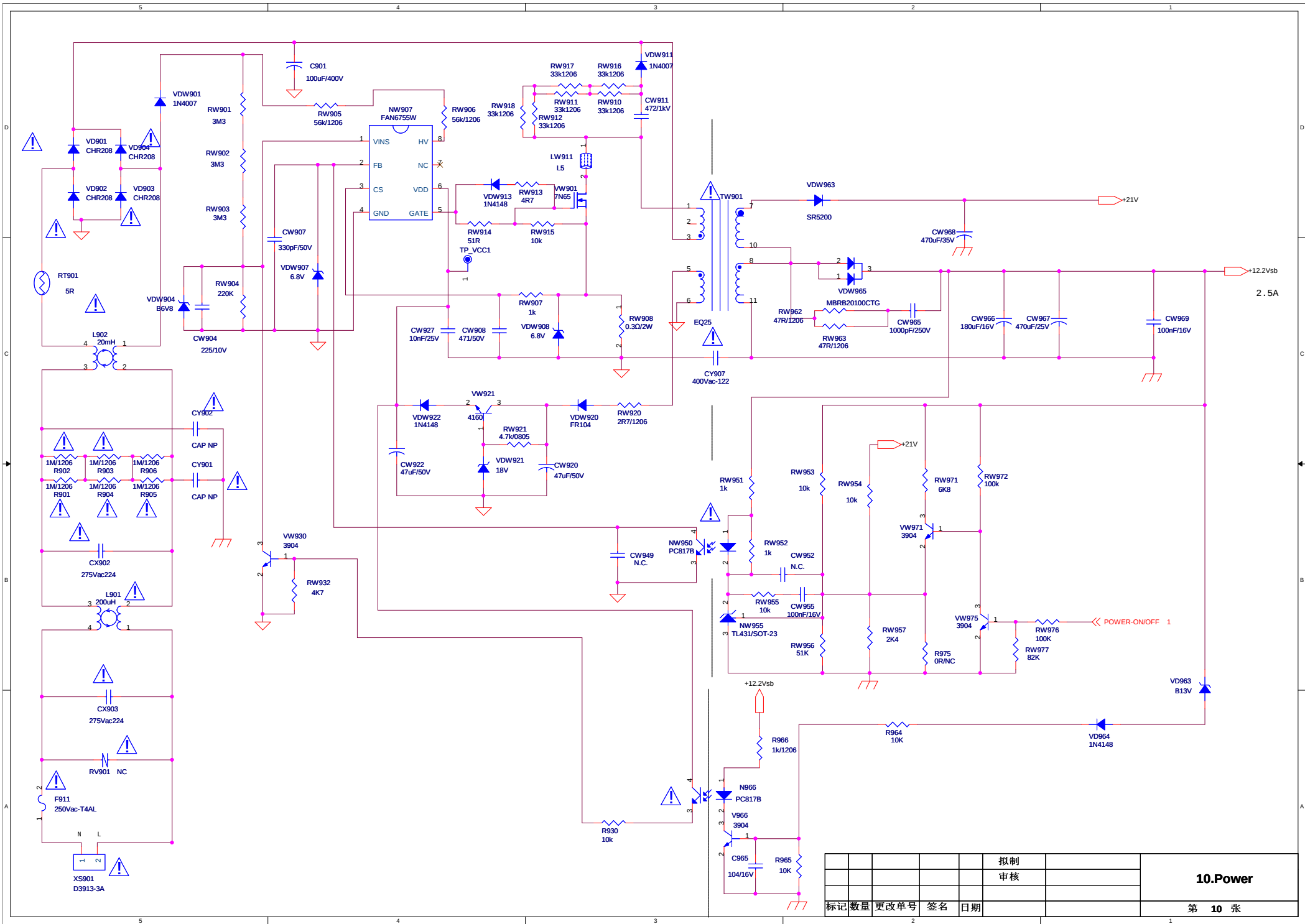
PH_Drive



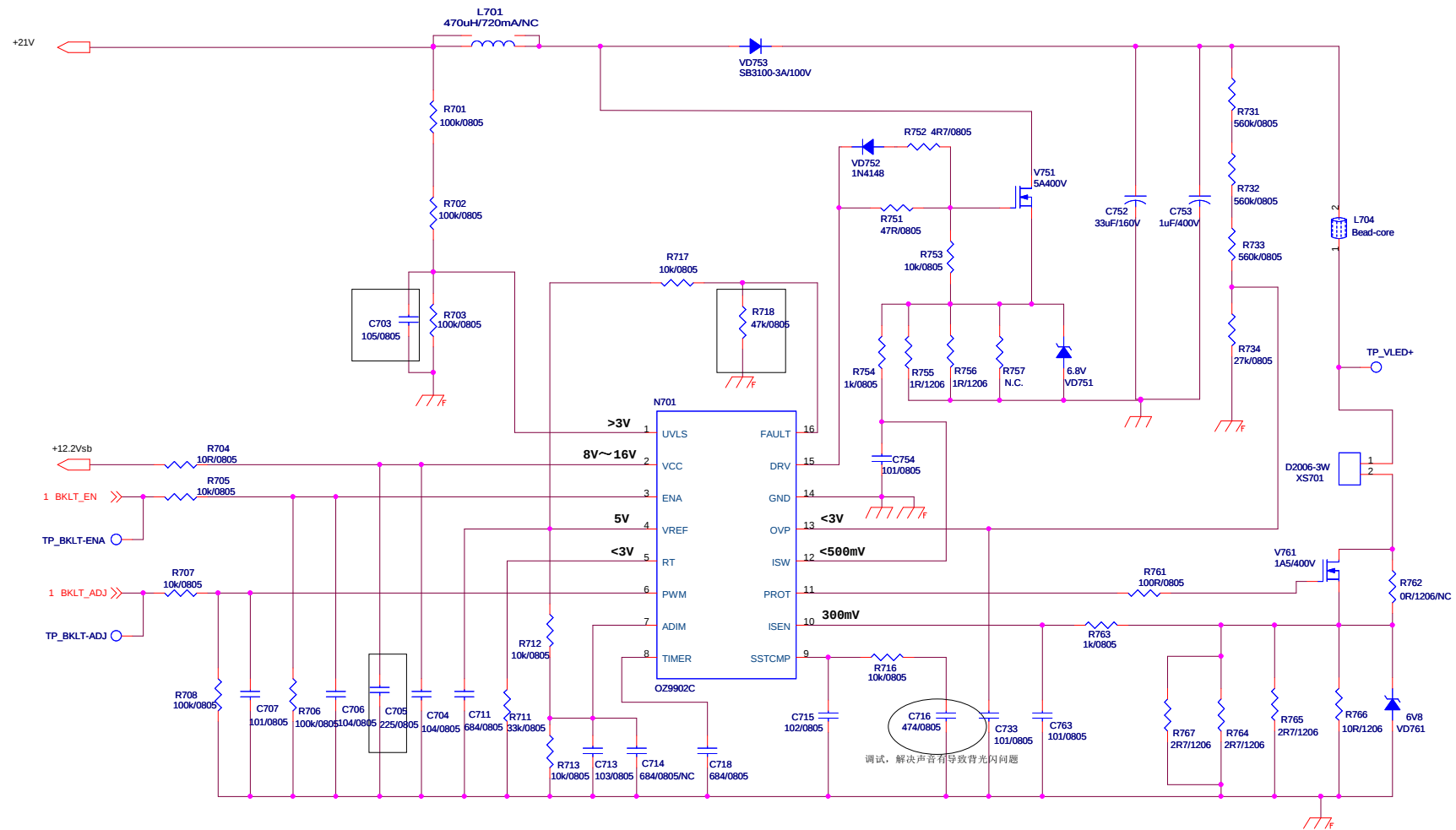
四段式耳机孔25004492
配合使用三段式耳机插头
插四段头音频线28007681



					拟制		09. Amp RT9108
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标记	数量	更改单号	签名	日期			第 9 张



					拟制	10.Power	
					审核		
标记	数量	更改单号	签名	日期		第 10 张	



$$F_o = 6120 / R_{rt} (K\Omega) = 6120 / 33 = 185 \text{KHz}$$

$$I_{led} = 300 / R_{isen} (q) = 250 \text{mA} \quad V_{adim} > 1.5 \text{V}$$

$$I_{led} = V_{adim} / (5 \cdot R_{isen}) \quad V_{adim} < 1.5 \text{V}$$

$$UVLS = 75 \text{V}$$

$$OVP = 190 \text{V}$$

调试，解决声音箱导致背光闪烁问题

					拟制		
					审核		
标记	数量	更改单号	签名	日期			

11. POWER-LED Driver