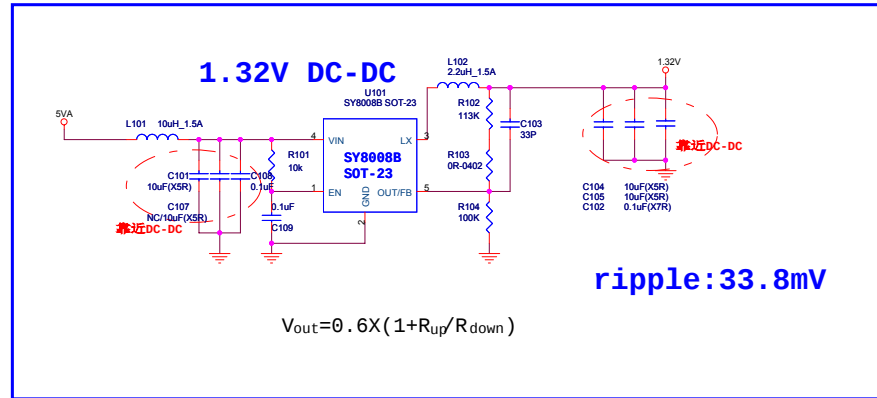


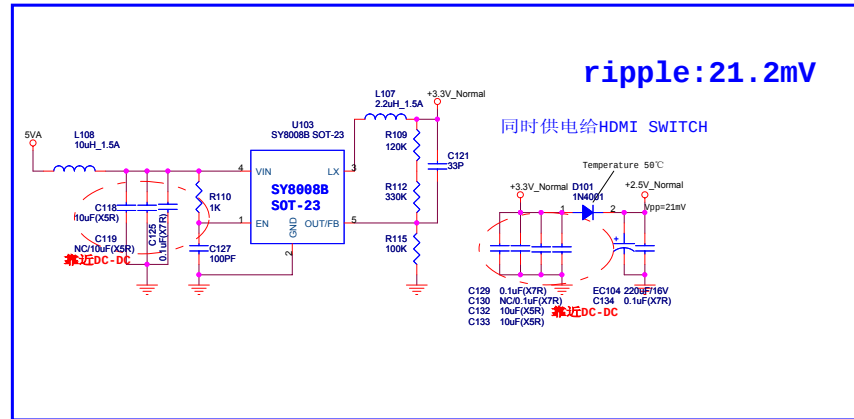
Main Chip POWER

ATV:569mA(max);
AV:486mA;



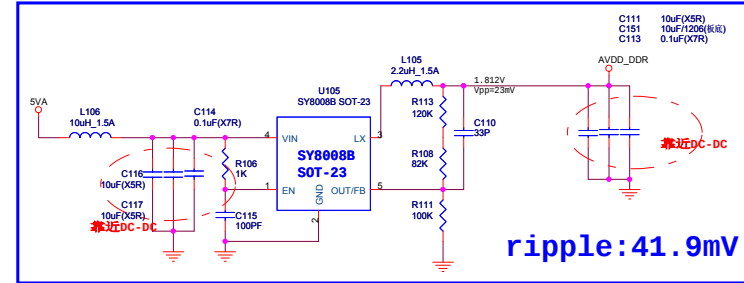
+3.3V_Normal

ATV:315mA(max)
ATV:190mA(HDMI不工作时);



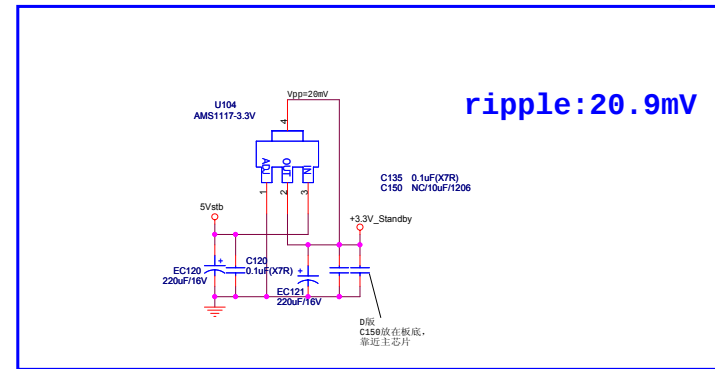
DDR_POWER

ATV:117mA(max)



+3.3V_Standby

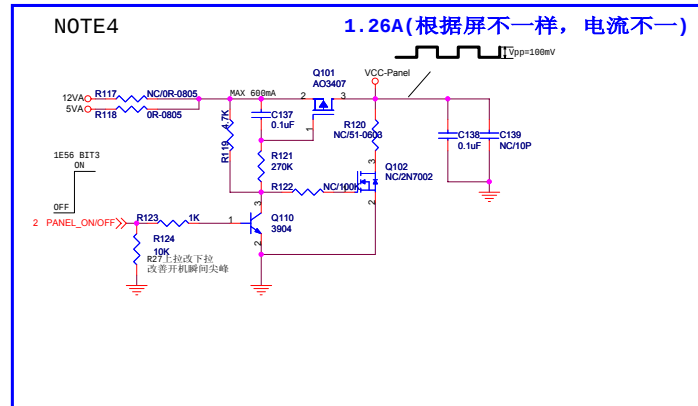
Standby:6.54mA;
刚开机: ATV:44.21mA
切到AV:18.56mA;
再切到HDMI:53.82mA;
再切回ATV:81.7mA(MAX);



PANEL POWER

NOTE4

1.26A(根据屏不一样, 电流不一)



STM32F103C8T6 Pinout Diagram

Top View Pin Functions:

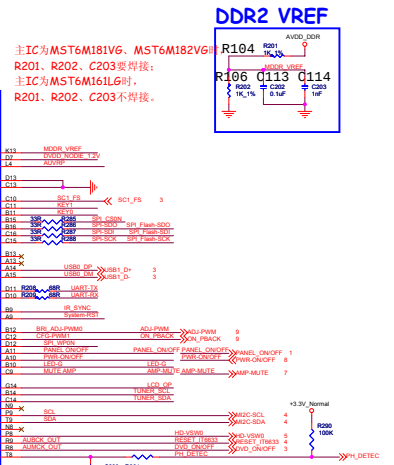
Pin	Function
1	NC
2	NC
3	AVCC
4	NC
5	NC
6	NC
7	NC
8	NC
9	NC
10	NC
11	NC
12	NC
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	NC
20	NC
21	NC
22	NC
23	NC
24	NC
25	NC
26	NC
27	NC
28	NC
29	NC
30	NC
31	NC
32	NC
33	NC
34	NC
35	NC
36	NC
37	NC
38	NC
39	NC
40	NC
41	NC
42	NC
43	NC
44	NC
45	NC
46	NC
47	NC
48	NC

Bottom View Pin Functions:

Pin	Function
1	NC
2	NC
3	AVCC
4	NC
5	NC
6	NC
7	NC
8	NC
9	NC
10	NC
11	NC
12	NC
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	NC
20	NC
21	NC
22	NC
23	NC
24	NC
25	NC
26	NC
27	NC
28	NC
29	NC
30	NC
31	NC
32	NC
33	NC
34	NC
35	NC
36	NC
37	NC
38	NC
39	NC
40	NC
41	NC
42	NC
43	NC
44	NC
45	NC
46	NC
47	NC
48	NC

Internal Block Diagram:

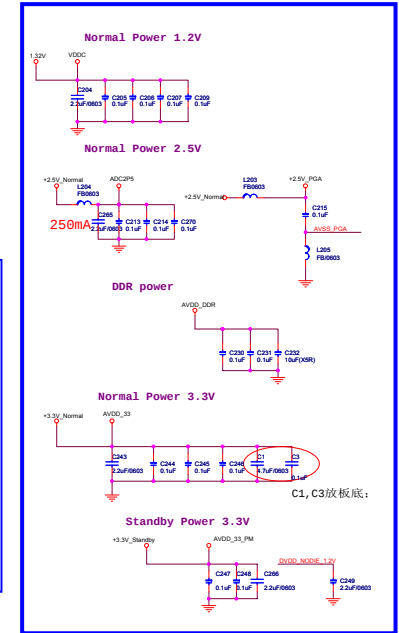
The diagram shows the internal architecture of the STM32F103C8T6, including the CPU, memory, and peripheral blocks. The CPU is connected to the memory and peripheral blocks. The memory is divided into flash memory and SRAM. The peripheral blocks include the ADC, DAC, I2C, SPI, and UART.



主IC为MST6M181VG、MST6M182VG时，
GPIO4(BALL N8)和GPIO7(BALL N9)为NC PIN。

[I2S_OUT_BCK, I2S_OUT_MCK, PAD_PWM1, PAD_PWM0]	
B51_no_EJ	4'h0
B51_Secure_no_scramble	4'h3
B51_Secure_scramble	4'h7

The diagram shows a common node connected to four pins: GCLK1, GCLK2, CPU_PWM1, and SWO_ADT-PWM0. This common node is also connected to four 4.7K resistors labeled R246, R247, R248, and R249. The other ends of these resistors are connected to a common ground symbol.

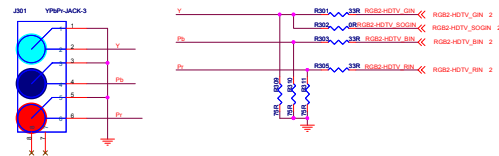
[illegible]

Circuit diagram showing a power supply decoupling network. The network consists of a series inductor L201 connected to a feedback node FB. Following the inductor, there are four parallel decoupling capacitors: C250 (10uF XSR), C251 (1uF), C252 (0.1uF), and C253 (10uF XSR). The output of this network is connected to the AUVIP and AUVAG pins of the IC.

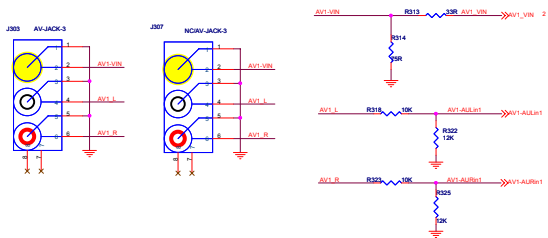
[illegible][illegible][illegible]

AV & YBPBR INPUT

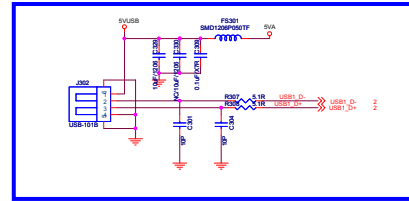
J301为卧式:



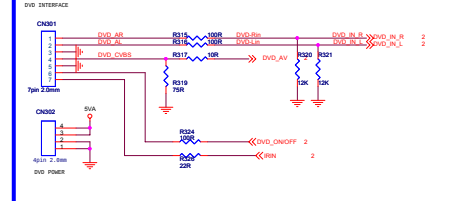
J303为立式, J307为卧式:



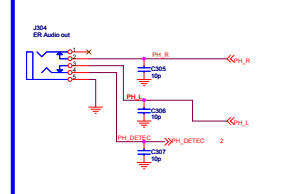
USB Interface



DVD INPUT

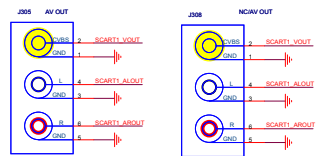


Head Phone



AV OUT & SCART

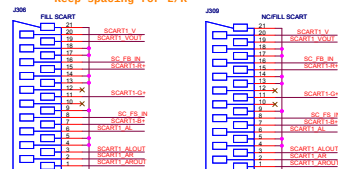
J305为立式, J308为卧式:



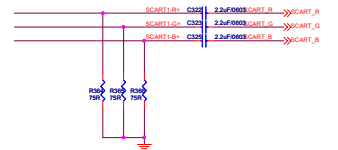
J306为立式, J309为卧式:

FULL SCART

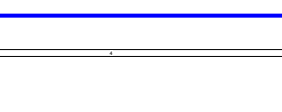
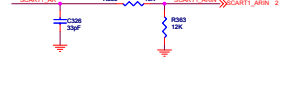
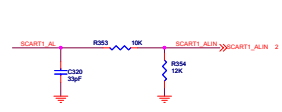
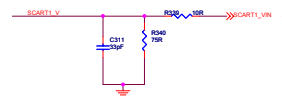
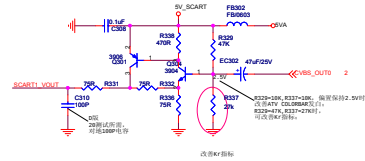
Keep AGND trace with signal
Keep spacing for L/R



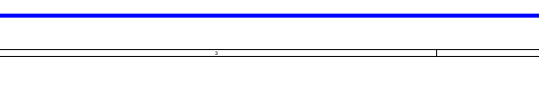
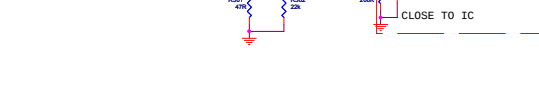
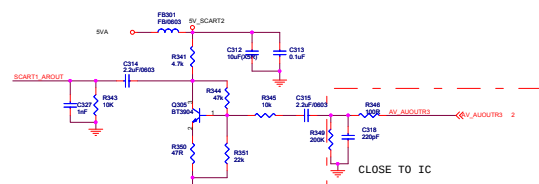
SCART中的RGB的V-SYNC将采用SCART1_V上的同步信号:

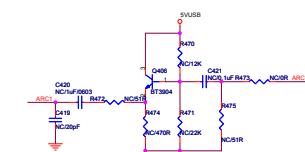
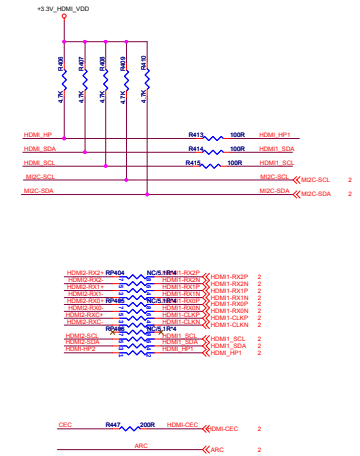
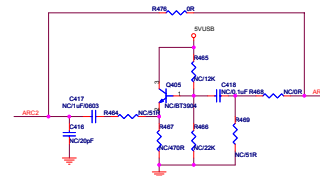
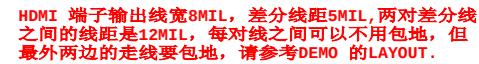


2倍放大



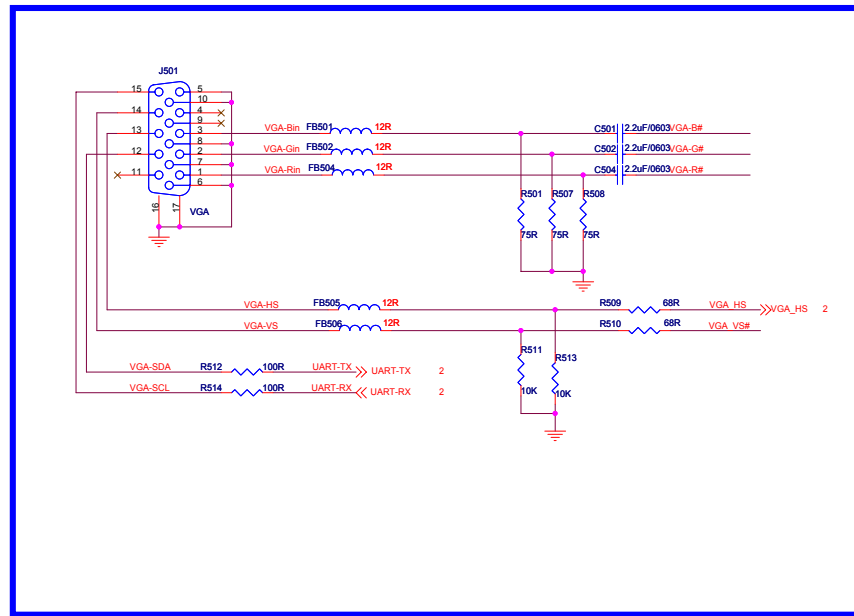
VIDEO_OUT



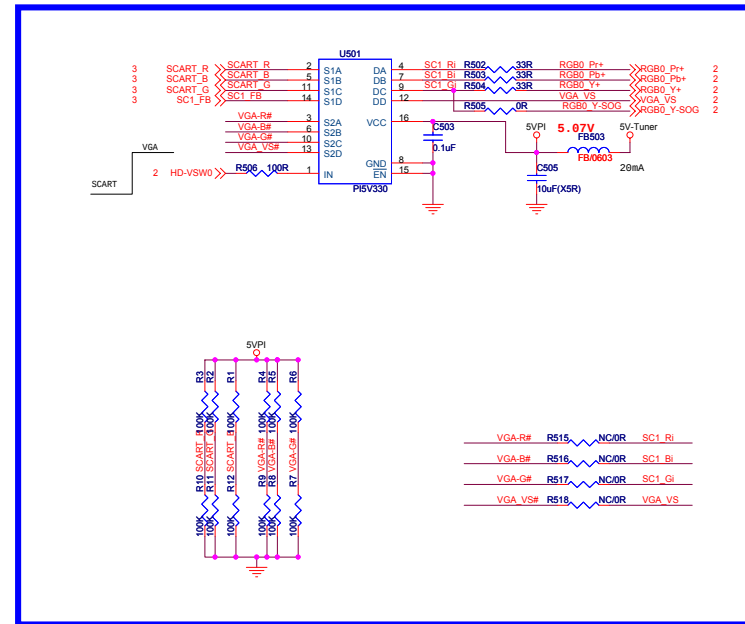


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MST6M182VG			
Size	Document Number	Rev	
D	04.HDMI	1.0	
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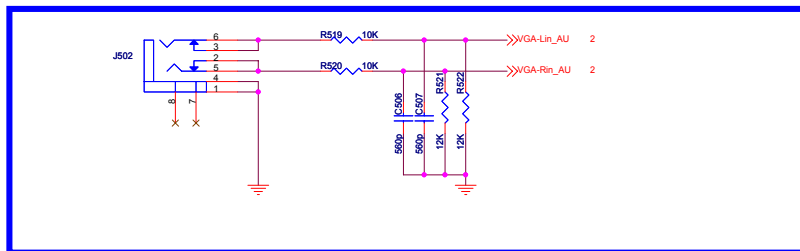
VGA IN

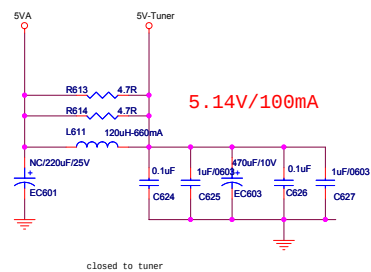


RGB SWITCH



VGA Audio IN



[illegible]

使用CDT-3SP5I2-36吋, C364、C367、C359和L32
上件, C357=0.1uF, C365=0.1uF, R313=33R, R314=33R,
R312=51R, R315=51R, R316=51R

Title MST6M182VG			
Size C	Document Number 06.TUNER		Rev 1
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2 AMP_AOUTL

R701 0R-0402

R702 10K

R703 15K

C701 100F(X5R)

R704 10K

C702 220uF/16V

C703 100F(X5R)

5V_EAR

R707 1K

C706 10uF(X5R)

R708 1K

PT2308P

IN2+

IN2-

OUT2

VDD

GND

IN1+

IN1-

OUT1

R710 15K

C704 0.1uF

C705 100uF/16V

EC701 220uF/16V

R706 10R-0603

C5V-Tuner

AMP_LIN

R709 1K

PH_L

PH_R

EC706 220uF/16V

AMP_RIN

R711 10K

C707 100F(X5R)

C708 10uF(X5R)

C709 100F(X5R)

R712 0R-0402

R713 10K

2 AMP_AOUTR

CLOSE TO IC

CLOSE TO IC

Near MST.IC

Ground in the middle of the L/R

靠近1517摆放

靠近1517摆放

FOR 2X3W

U702

NC/TPA1517

20 GND/HS IN1 1

19 GND/HS SORD 2

18 GND/HS SVRR 3

17 GND/HS OUT1 4

16 GND/HS POND 5

15 GND/HS OUT2 6

14 GND/HS VCC 7

13 GND/HS M55 8

12 GND/HS IN2 9

11 GND/HS 10

AMP_GND

VCC_AMP

FB701

56-4A-1206

12VA

AR C705

SVR

EC703+

EC704+

EC705+

1517EN

AL+

C707

NC100pF16V

NC70pF10V

NC70pF10VOUT+

NC10pF0603IN

4pin-2.54mm

ROUT- 1

ROUT- 2

LOUT- 3

LOUT+ 4

CN701

R715

NC/R-0805

R714

NC/R-0805

only for 1517

CT11

CT12

10P

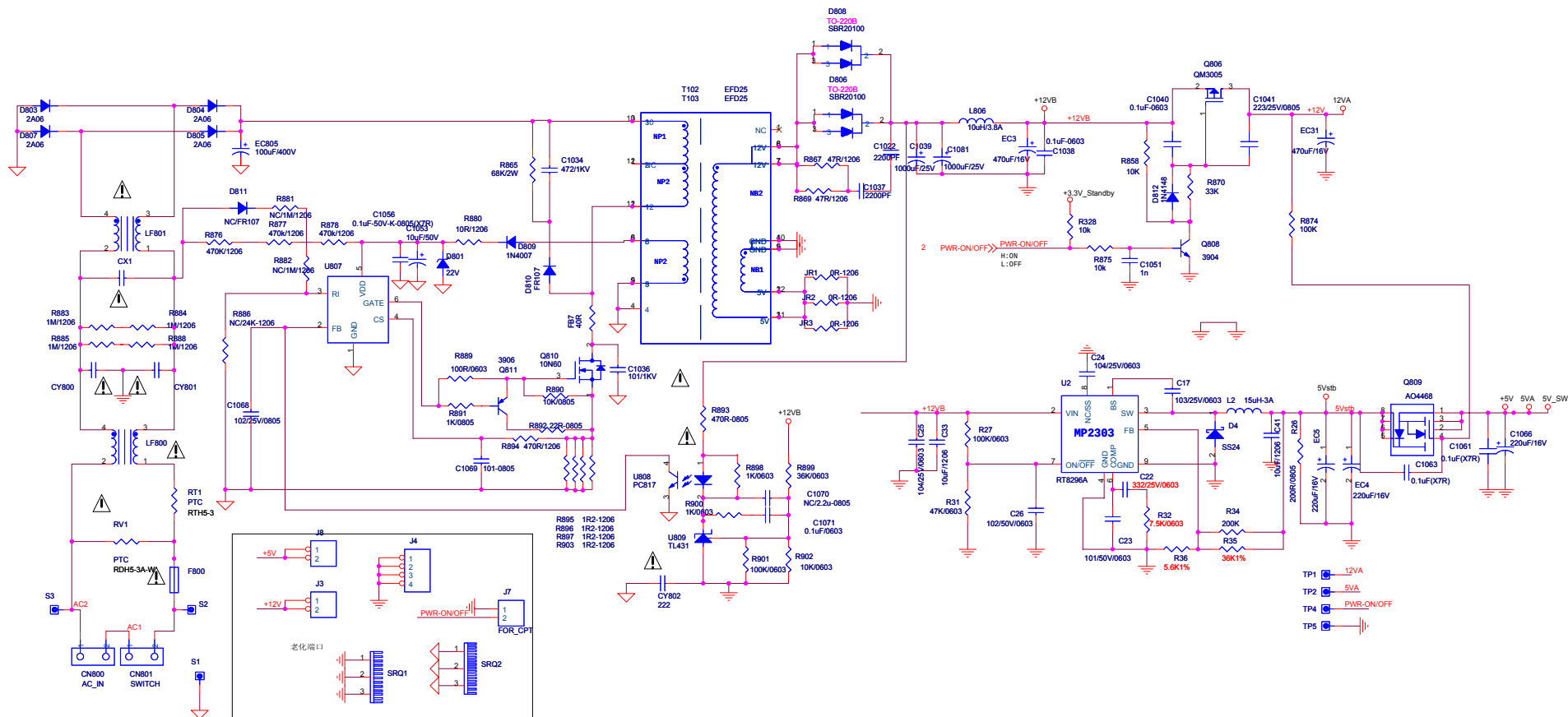
10P

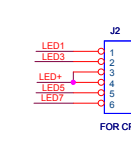
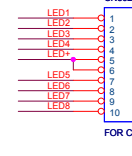
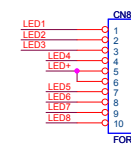
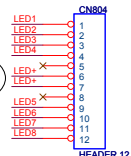
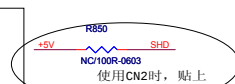
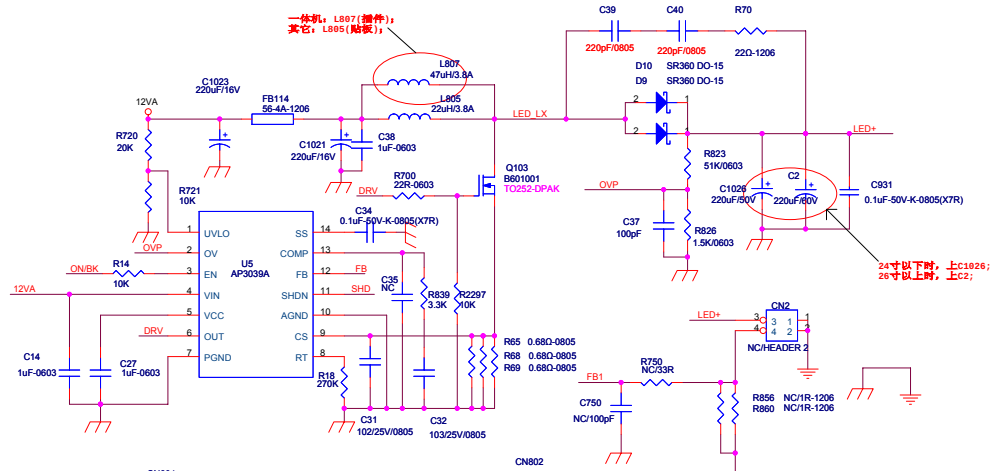
SRQ03

2pin

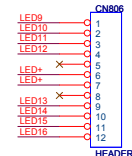
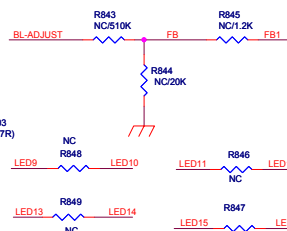
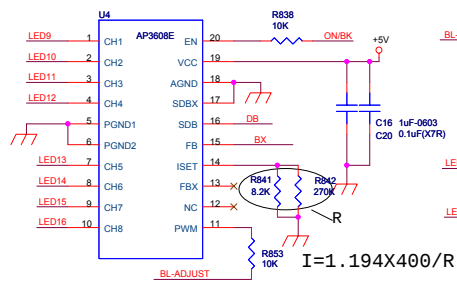
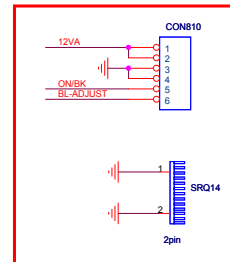
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Title			
MST6M182VG			
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	07.AUDIO		1.0
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[illegible]

LED



- 1 CN2 用于18.5和21.6 U3 U4不贴。D10不插
- 2 CN805 CN806 用于26",CN2不插。
- 3 CN804 用于23.6, U4不贴。

