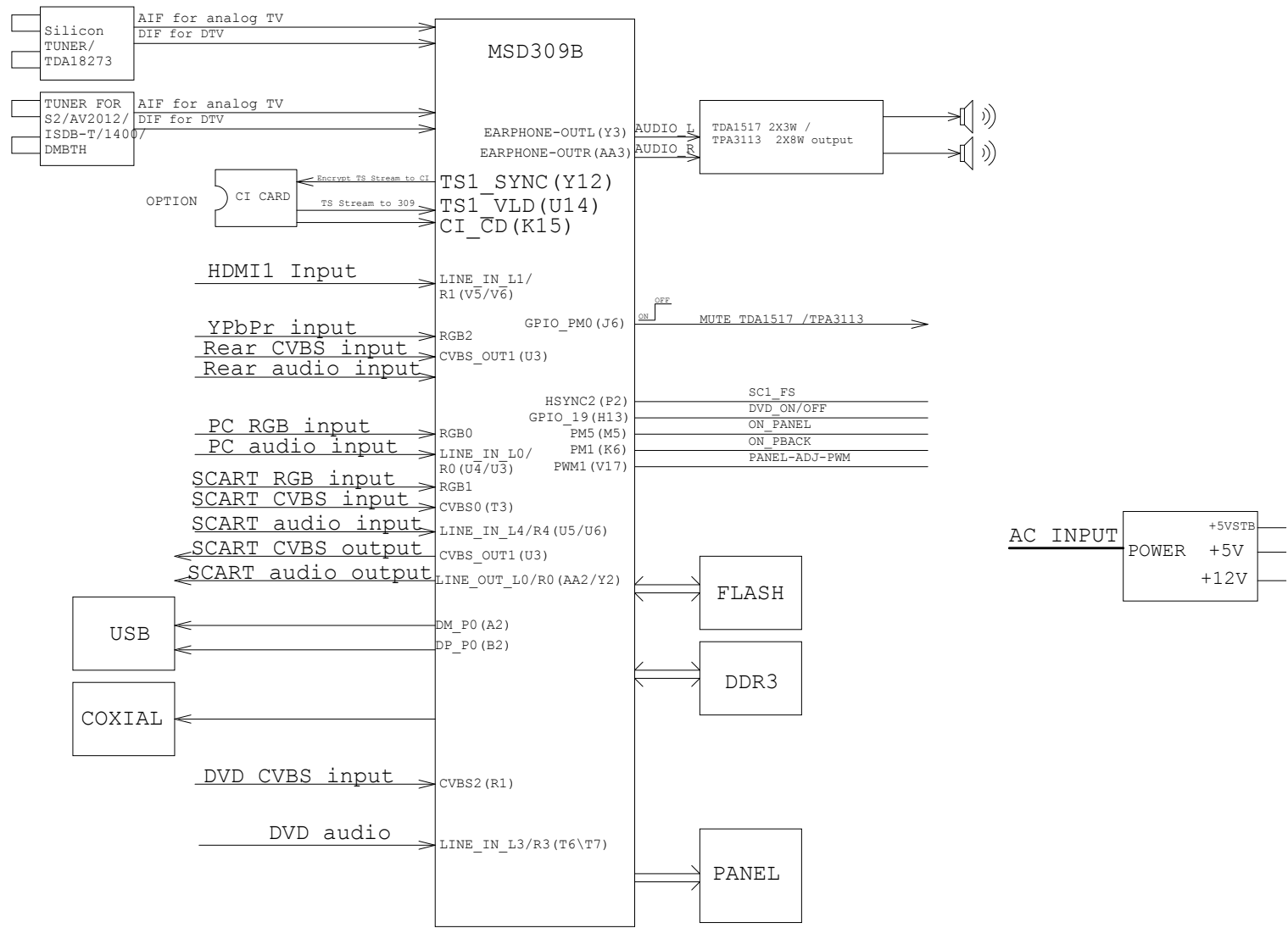
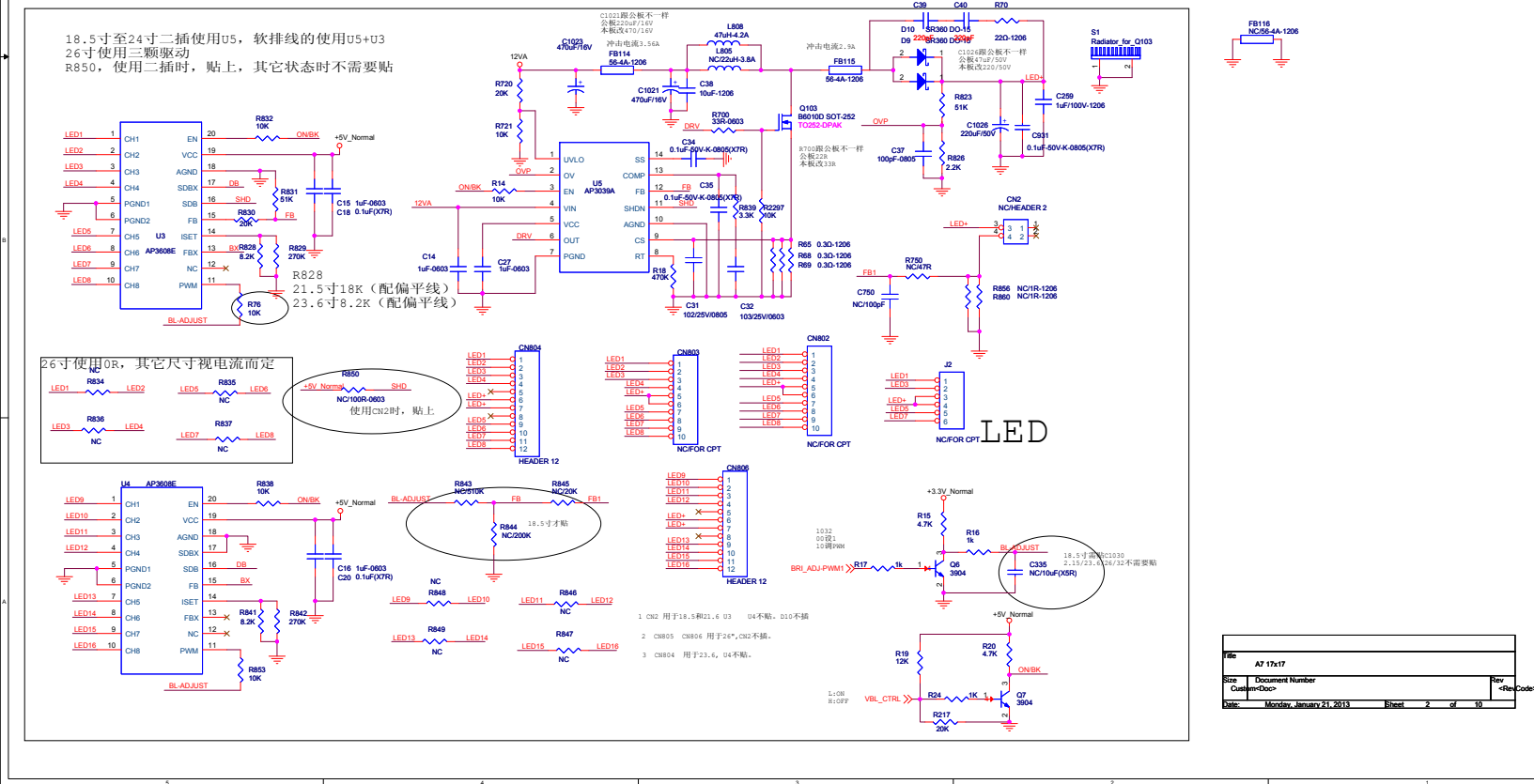
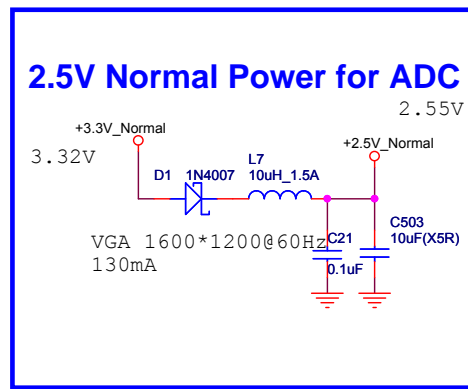
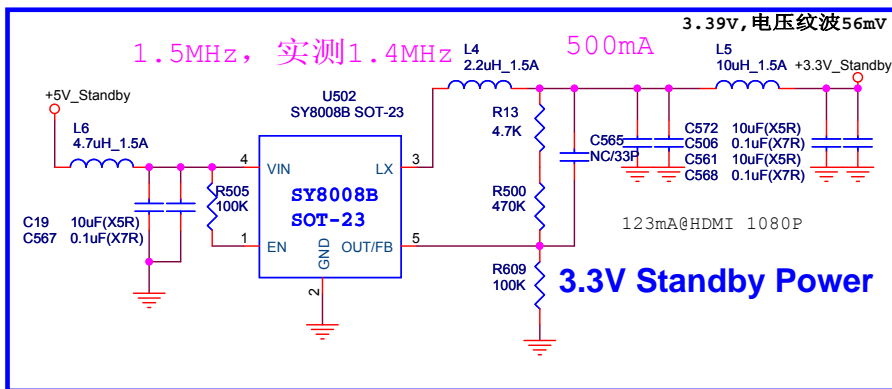
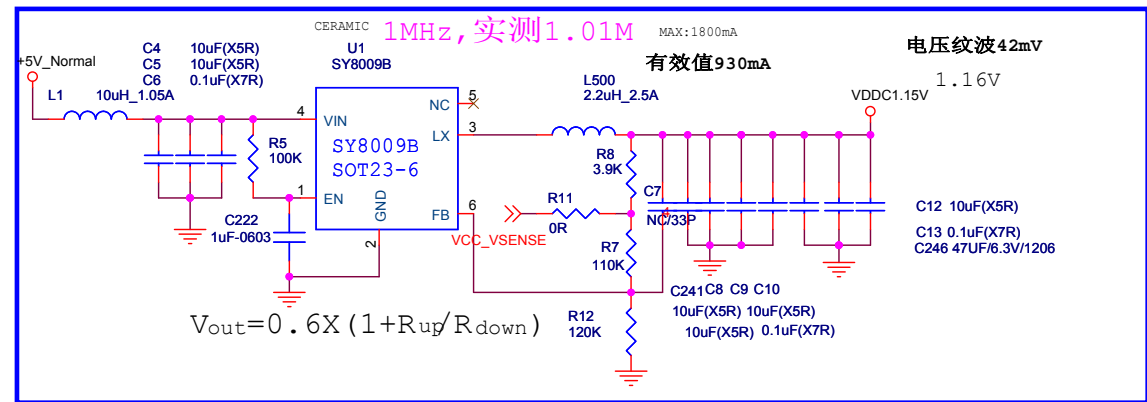
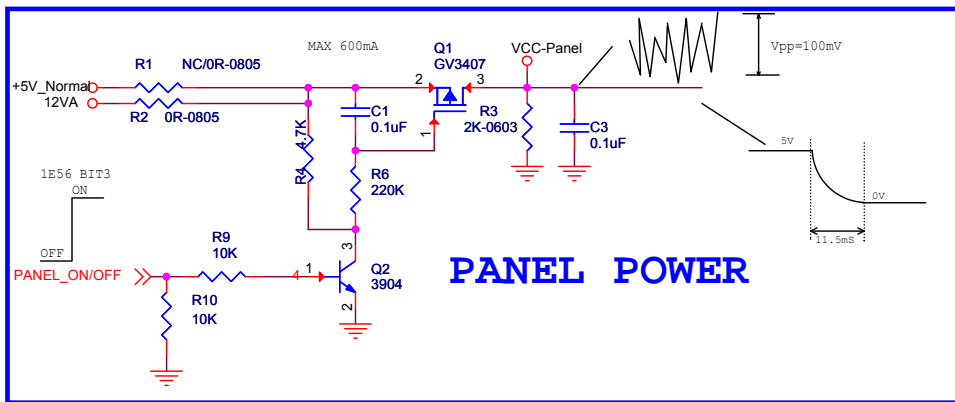


chang list:
增加MHL1201功能 (2012.12.12)
只留8pin flash封装 (2012.12.12)
背光电容c1026交换正负极 (2012.12.12)
R826由0402封装换为0603封装 (2012.12.12)
增加R63
MHL 1.2V供电去系统core电压 (2012.12.12)
DVD的IR连到MUC GPIO (M21) Pin (2012.12.12)

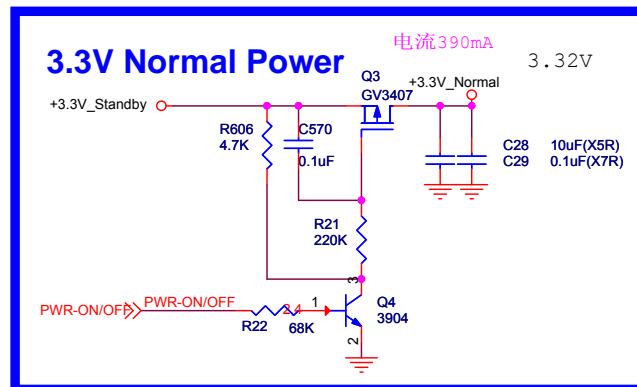
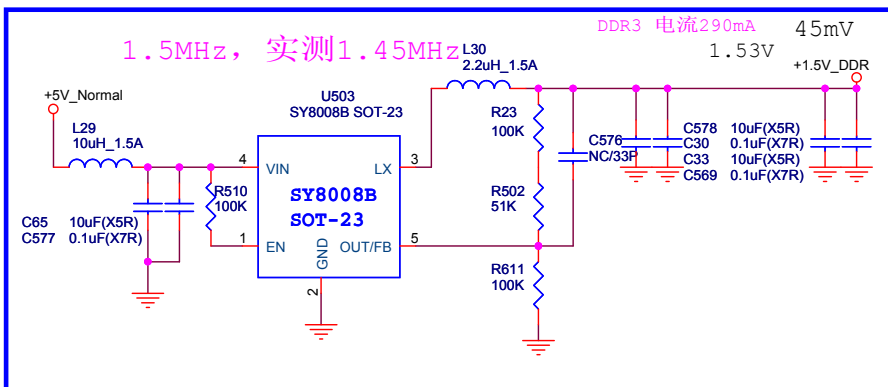
SCH BLOCK FOR MSD309B





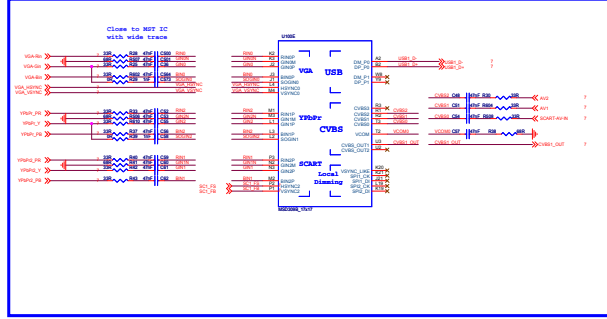


1.5V Normal Power for DDR3

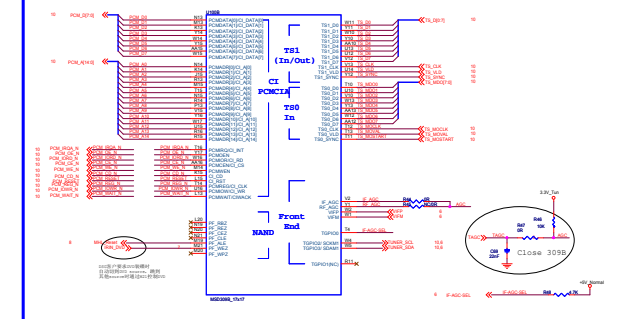


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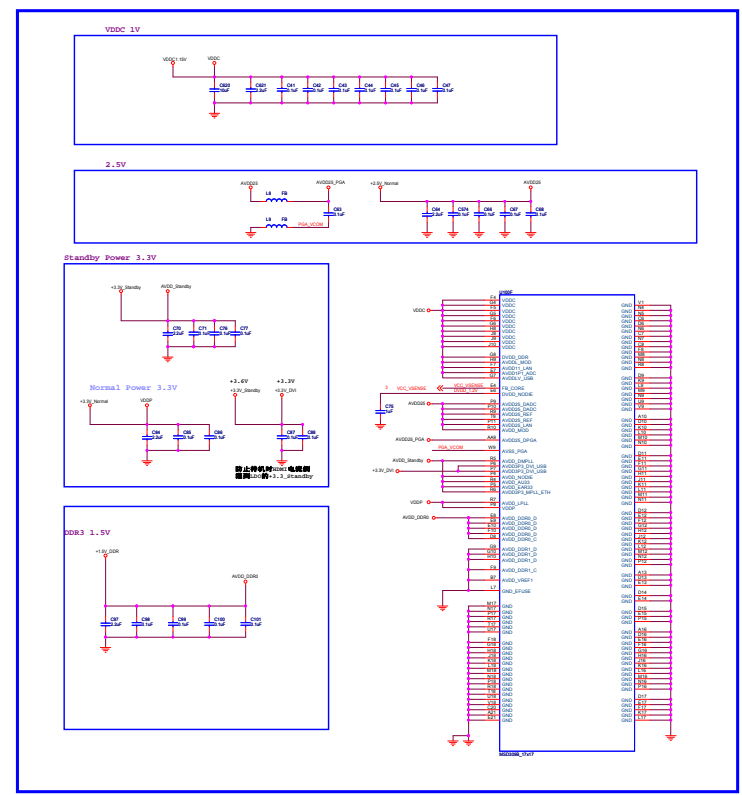
RGB & CVBS & USB



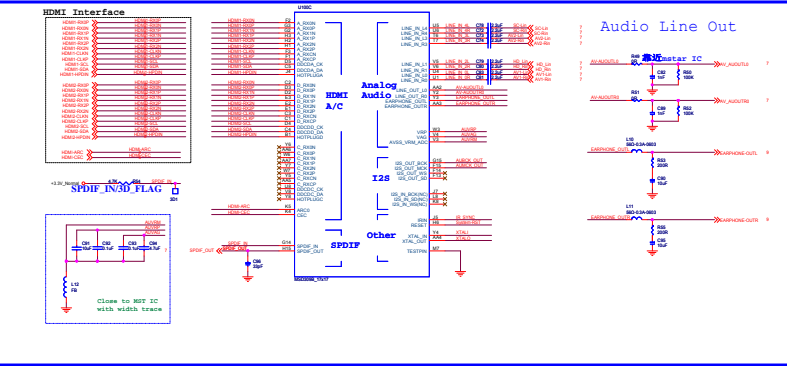
CI & TS & Front End



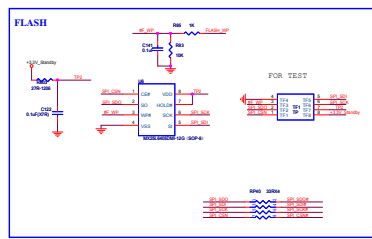
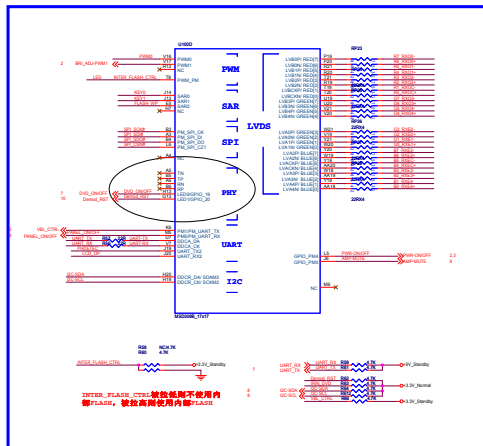
Power interface



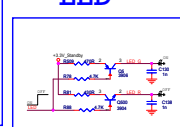
HDMI & Audio



GPIO & LVDS



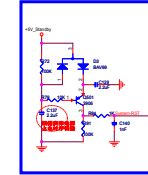
LED



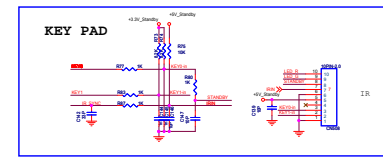
Mode Selection



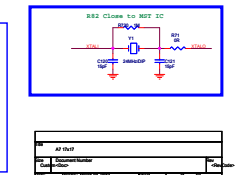
RESET

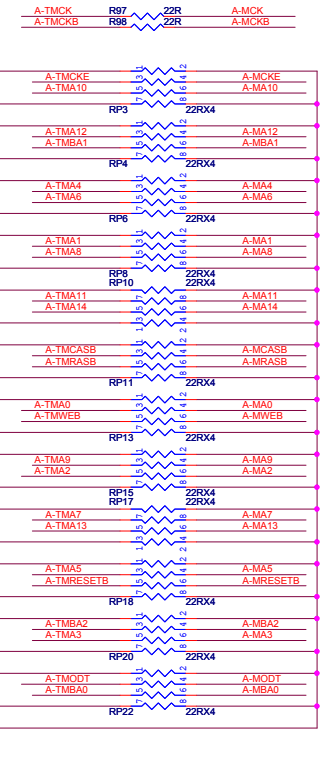
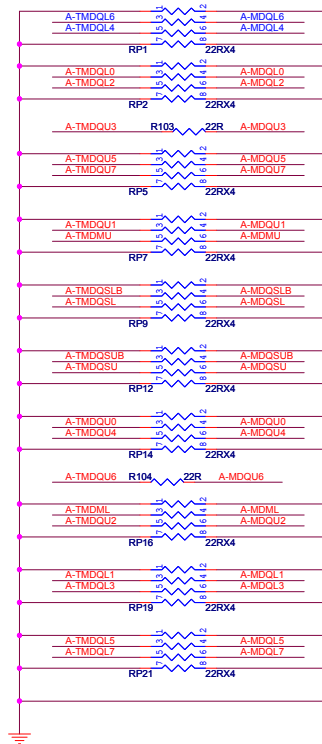
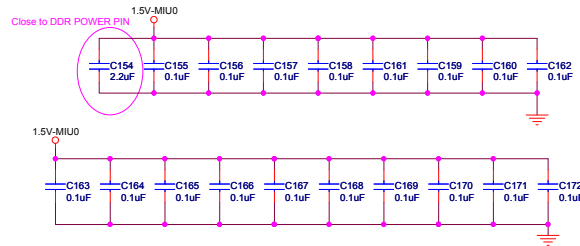


KEYBOARD

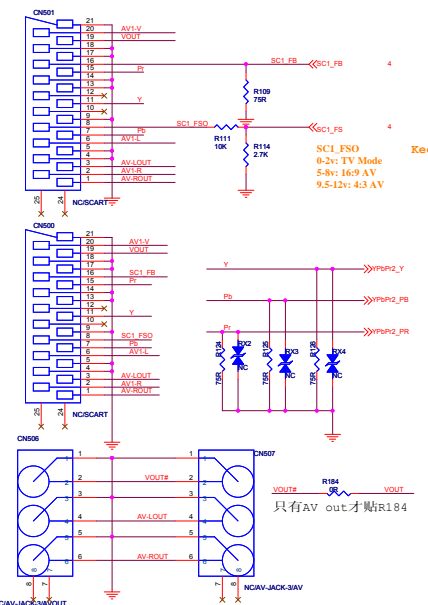


System XTAL

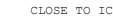




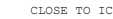
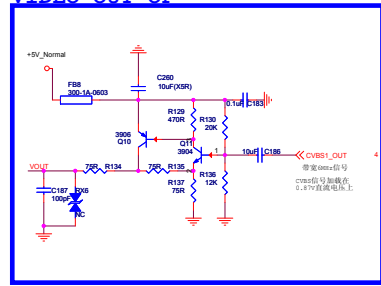
Mstar
semiconductor



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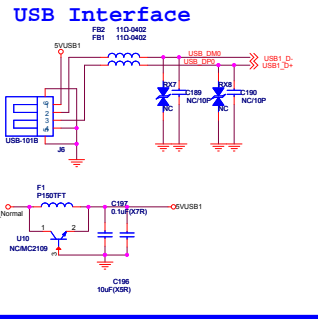


CLOSE TO IC

[illegible]

USB Interface

The diagram illustrates a USB interface circuit. A USB-101B module is connected to a USB cable. The module's pins are connected to the cable's pins via a series of components: a 5V USB1 line, a 110-ohm resistor (FB2), a 110-ohm resistor (FB1), a 100-ohm resistor (C197), and a 10uF capacitor (C196). The USB cable pins are labeled: USB1 D+, USB1 D-, and USB1 GND.



SPDIF Output

SPDIF Output

SPDIF_OUT

R143 75Ω

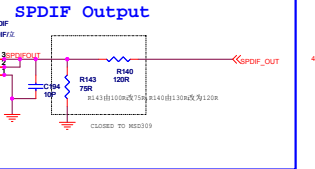
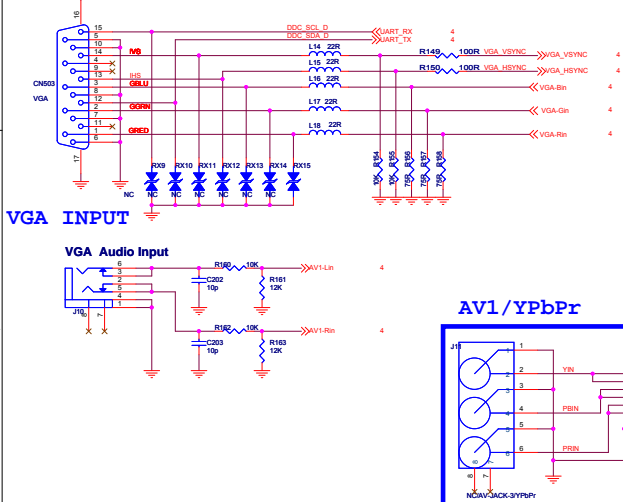
R146 120Ω

C104

110Ω or 150Ω

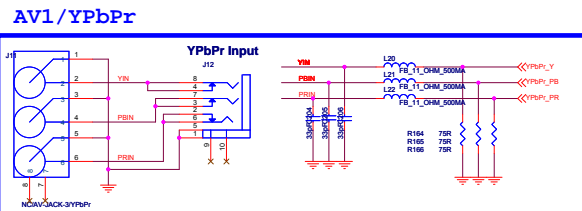
110Ω or 120Ω

CLOSED TO REG309

[illegible]

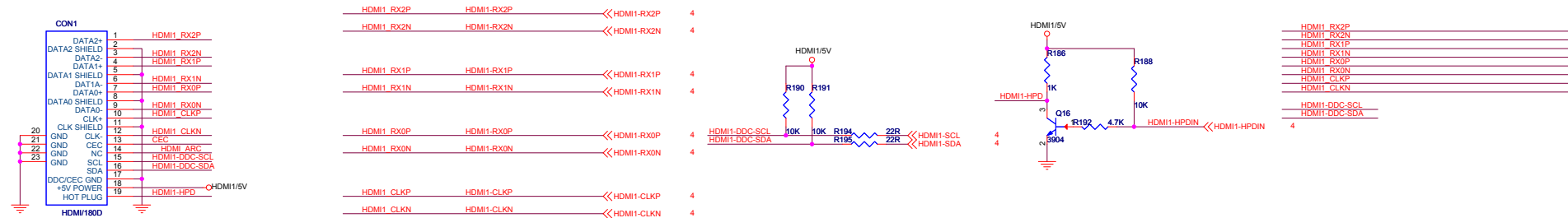
AV1/YPbPr

The diagram shows the AV1 connector on the left with pins 1 through 6. Pin 1 is labeled '1', pin 2 '2', pin 3 '3', pin 4 '4', pin 5 '5', and pin 6 '6'. The YPbPr input section shows pins 1 through 6. Pin 1 is labeled '1', pin 2 '2', pin 3 '3', pin 4 '4', pin 5 '5', and pin 6 '6'. The internal circuitry includes a 100k resistor, a 100k resistor, a 100k resistor, a 100k resistor, a 100k resistor, and a 100k resistor. The output section shows pins 1 through 6. Pin 1 is labeled '1', pin 2 '2', pin 3 '3', pin 4 '4', pin 5 '5', and pin 6 '6'. The output section also includes a 100k resistor, a 100k resistor, a 100k resistor, a 100k resistor, a 100k resistor, and a 100k resistor.



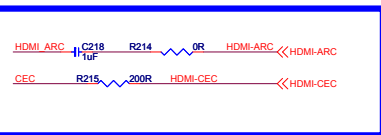
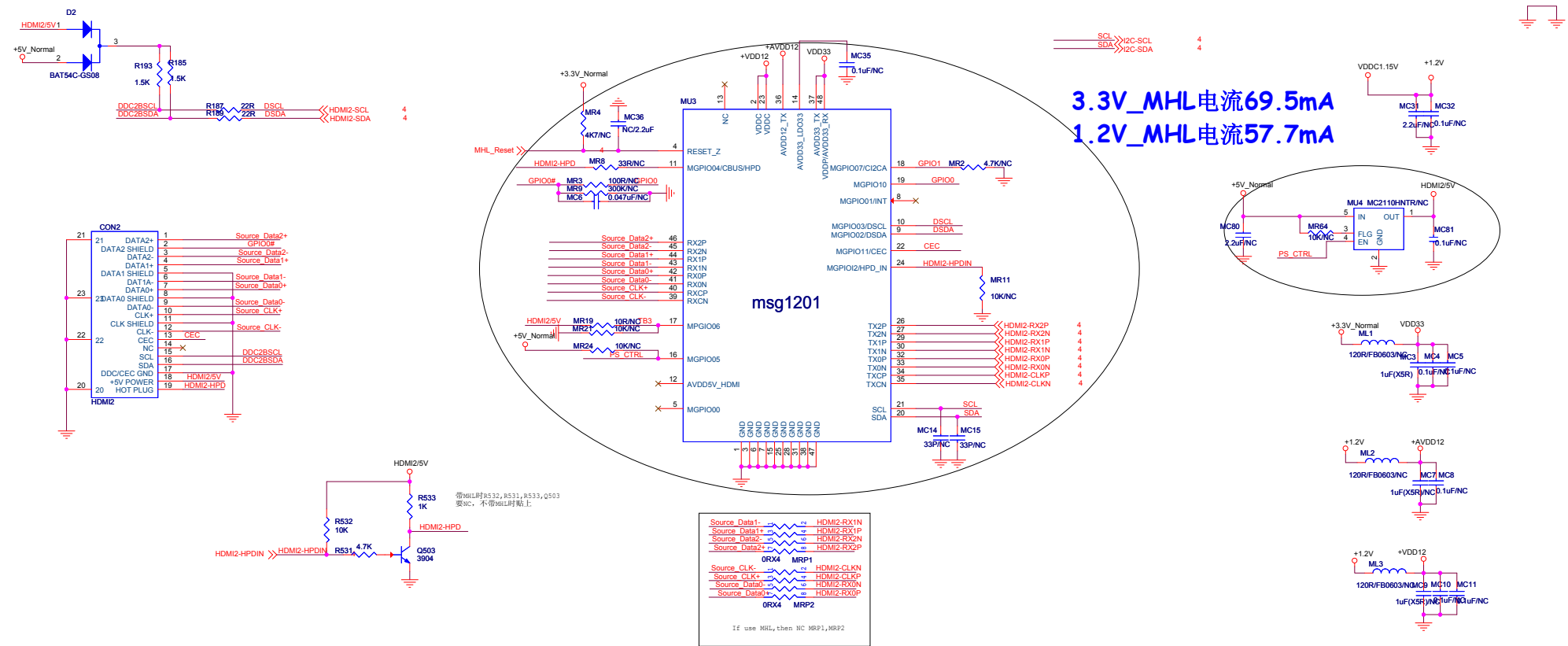
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HDMI 1



HDMI 2

硬件复位,至少5ms低电平复位



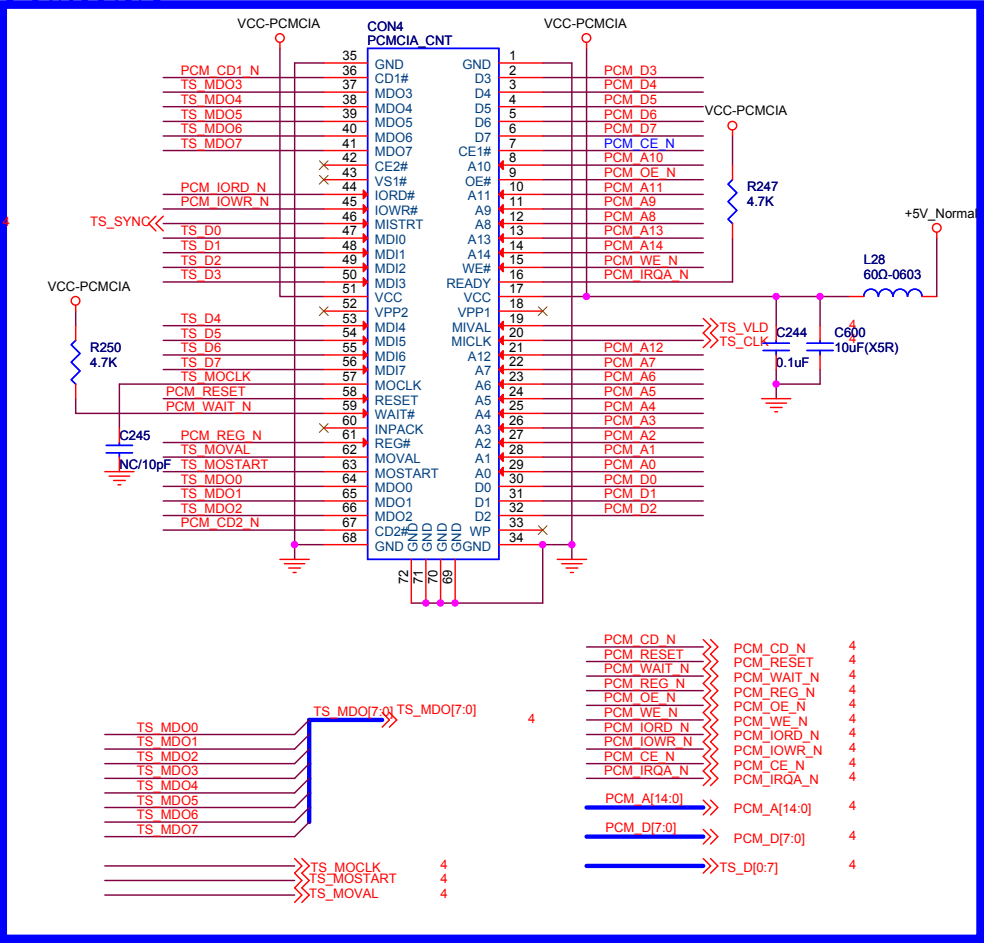
CEC & ARC

If not include MHL function, then the circle parts will be NC, and the NC components should be used.

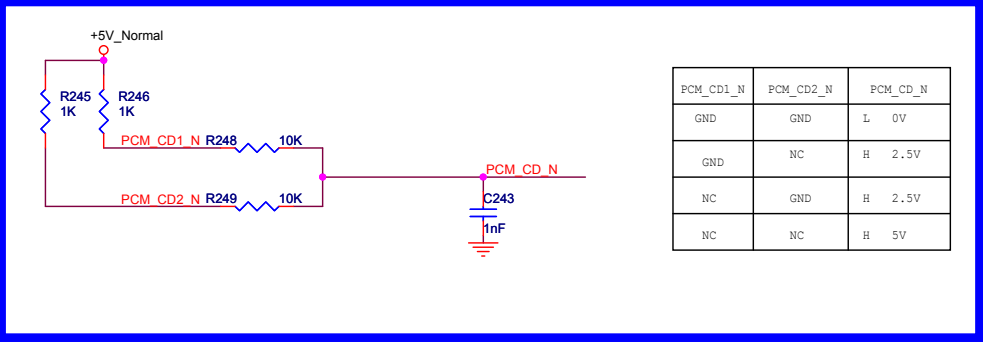
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PCMCIA

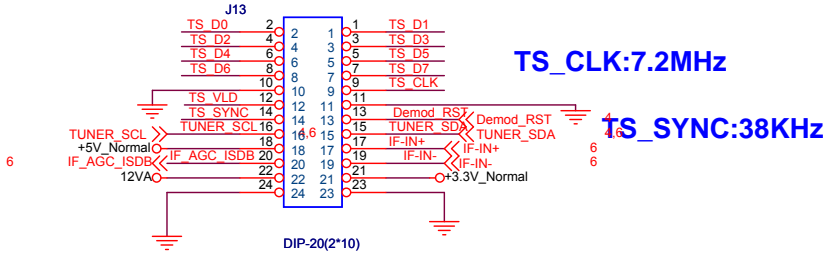


CARD DETECT



PCM_CD1_N	PCM_CD2_N	PCM_CD_N
GND	GND	L 0V
GND	NC	H 2.5V
NC	GND	H 2.5V
NC	NC	H 5V

DEMO SOCK



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