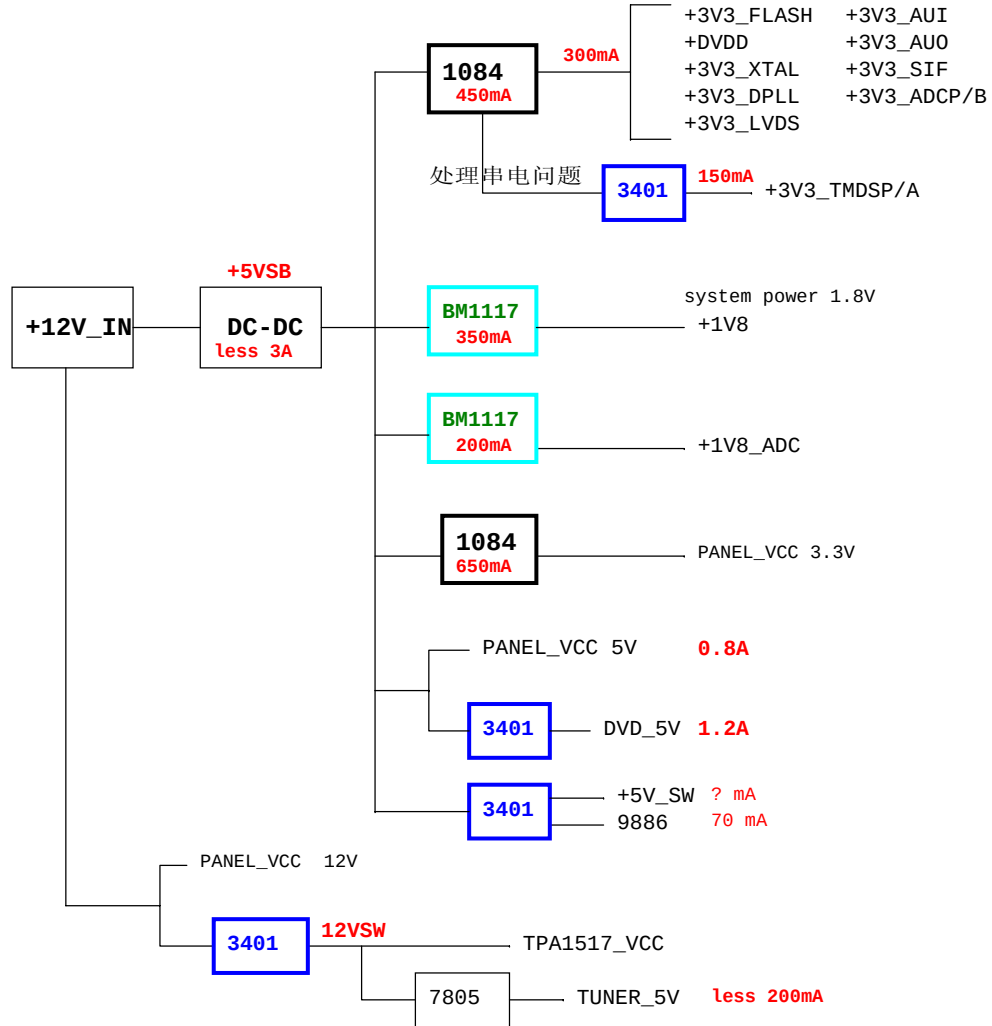


电源系统



工作电流

7050

Power name current (mA)

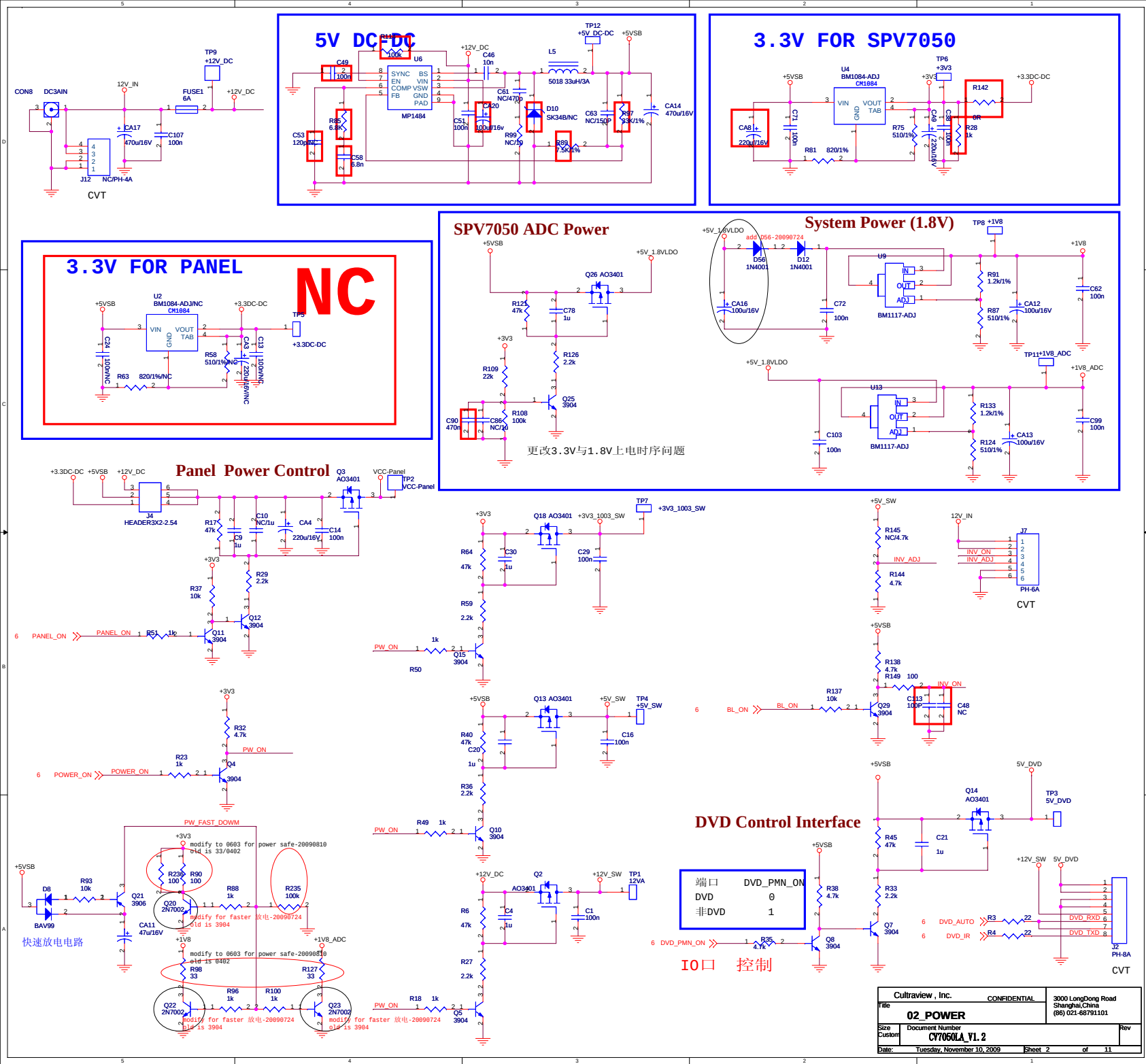
+5V_DC 1320
+1V8_ADCA 160
+3V3_ADCP 6

+CVDD 150
+1V8_LVDS 20
+DVDD 0.6
+3V3_AUI 10
+3V3_SIF 50
+3V3_AUO 20
+3V3_TMDSA 5
+3V3_TMDSP 0
+3V3_XTAL 3
+3V3_DPLL 20
+3V3_LVDS 53

待机电流

7050待机功率

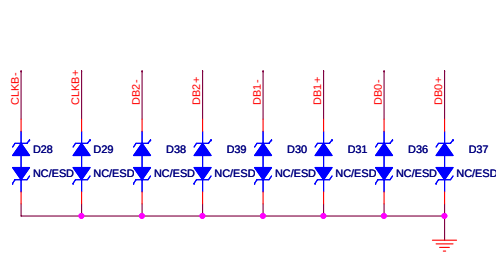
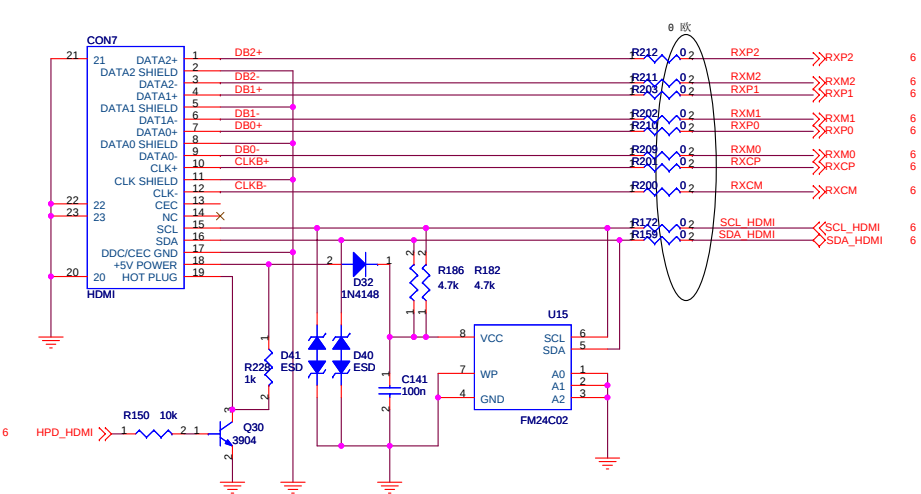
Power name	待机电流 (A)	待机功率 (W)
+1V8_ADC	0.003	0.0054
+3V3_ADCP	0.001	0.0033
+3V3_ADCB	0.012	0.0396
+CVDD	0.121	0.2178
+1V8_LVDS	0.034	0.0612
+DVDD	0.009	0.0297
+3V3_AUI	0	0
+3V3_SIF	0	0
+3V3_AUO	0.019	0.0627
+3V3_TMDSA	0.004	0.0132
+3V3_TMDSP	0	0
+3V3_XTAL	0.002	0.0066
+3V3_DPLL	0.004	0.0132
+3V3_LVDS	0	0
7050待机功率总	0.4527	



端口	DVD_PMN_ON
DVD	0
非DVD	1

I/O口 控制

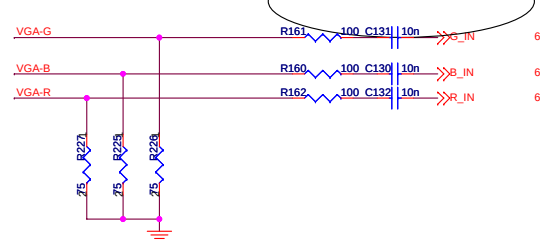
Cultraview , Inc.		CONFIDENTIAL	3000 LongDong Road Shanghai,China (86) 021-68791101	
Title	02_POWER			
Size	Document Number			Rev
Custom	CY7050LA_V1.2			
Date:	Tuesday, November 10, 2009	Sheet 2	of 11	



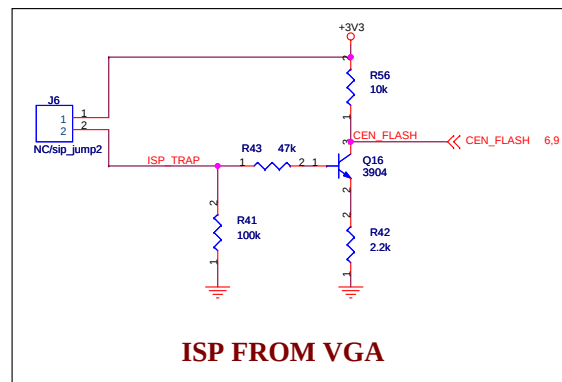
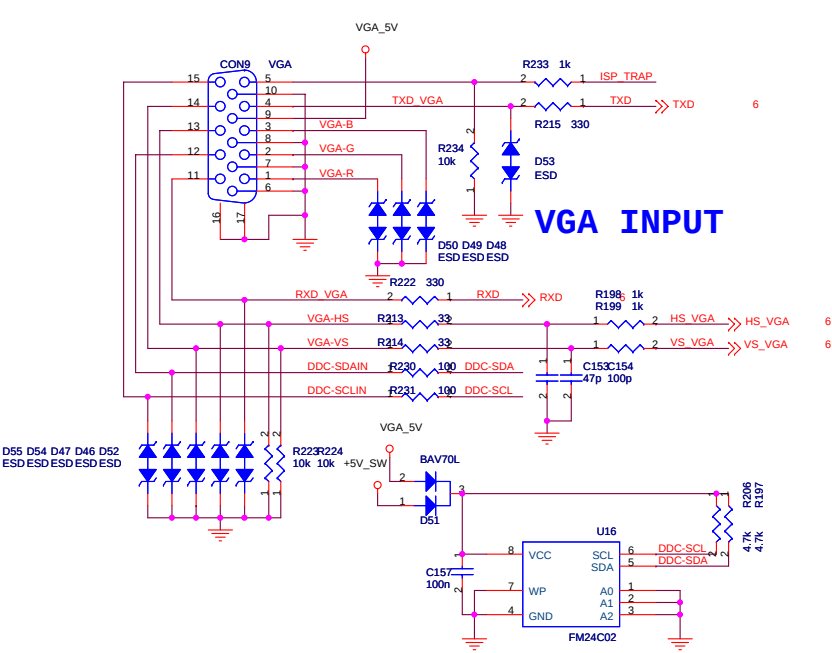
These components close to SPV7050

去掉预留SOG电路

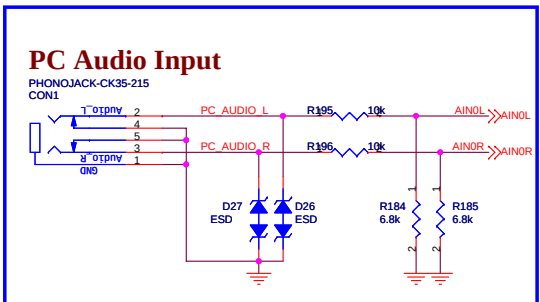
把47n改成100n, 47n改成18n



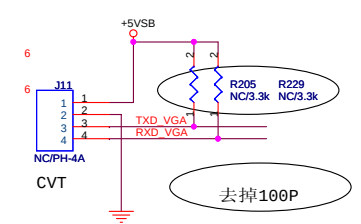
VGA INPUT



ISP FROM VGA

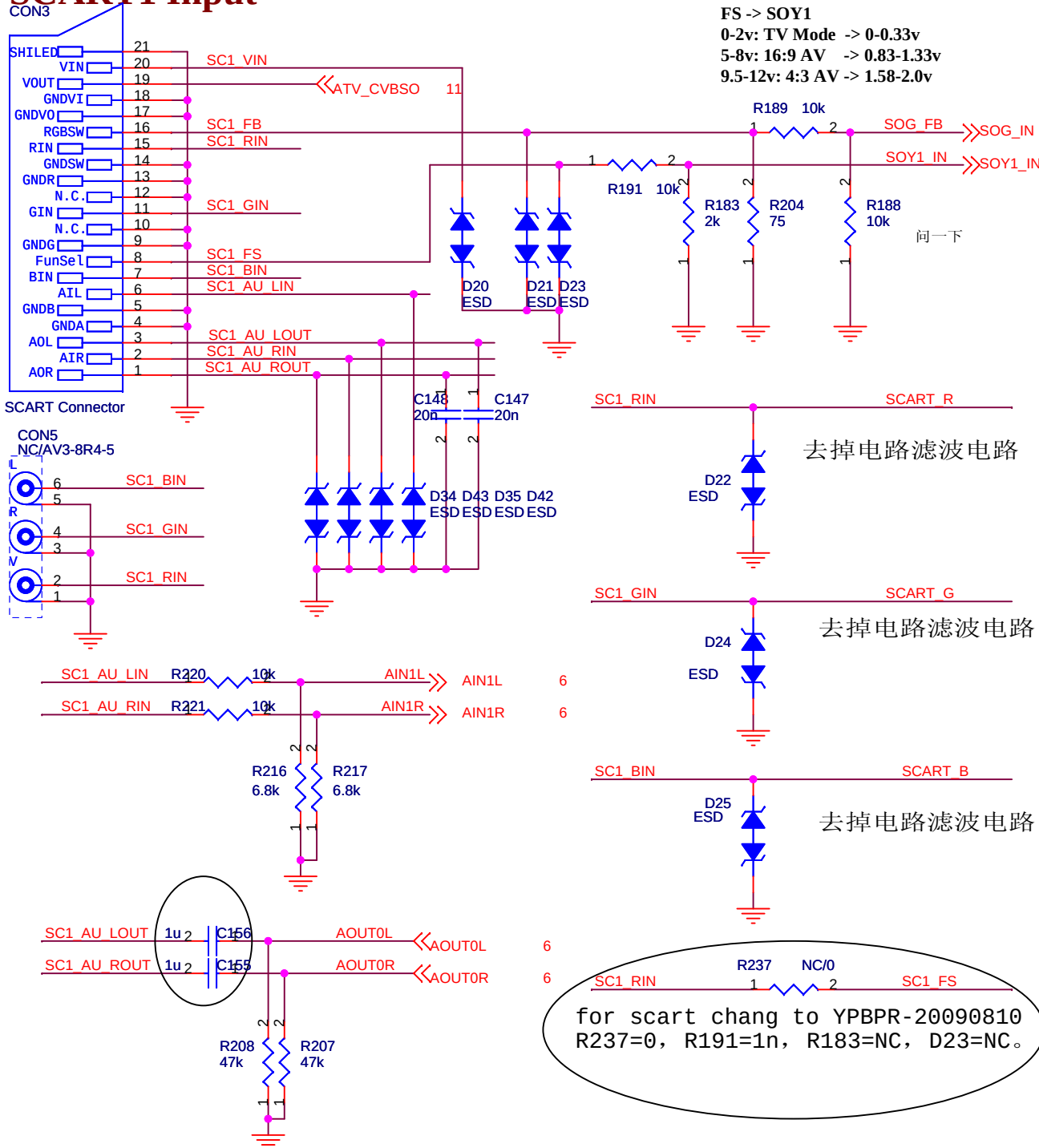


RS-232 Interface

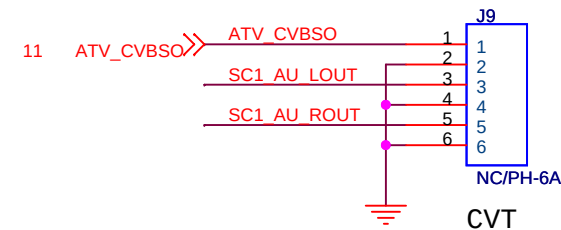


Cultraview, Inc.		CONFIDENTIAL	3000 LongDong Road Shanghai, China (86) 021-68791101	
Title	03_PC/HDMI			Rev
Size	Document Number			Rev
Custom	CV7050LA_V1.2			Rev
Date:	Tuesday, November 10, 2009	Sheet 3	of 11	

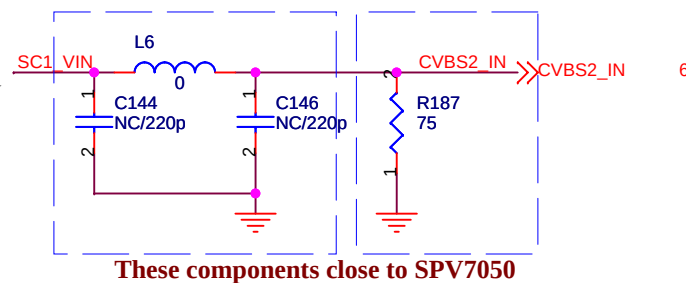
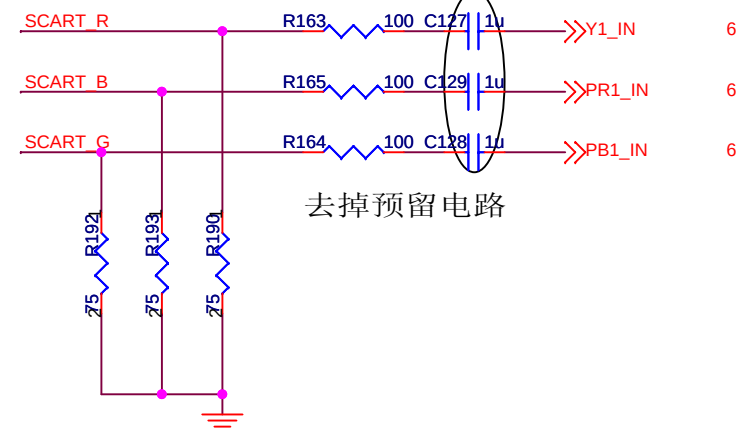
SCART1 Input



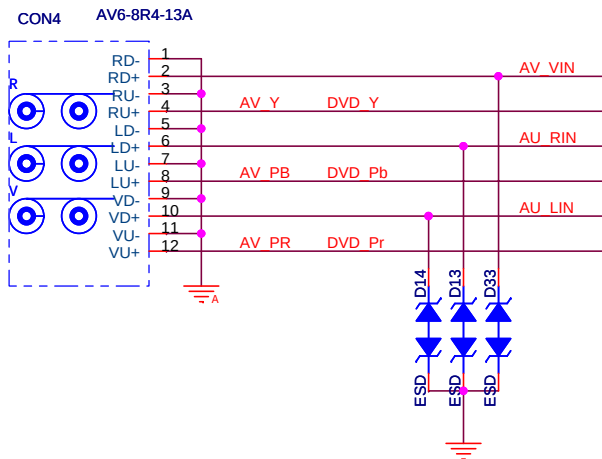
AV OUTPUT CONNECTOR



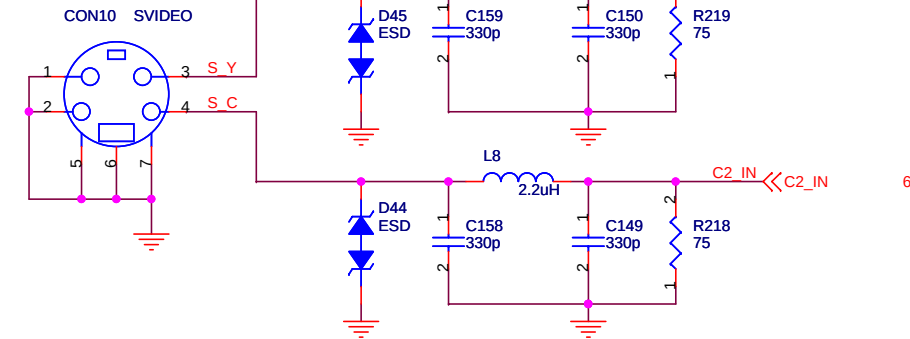
把47欧改为100欧, 47N改为10N



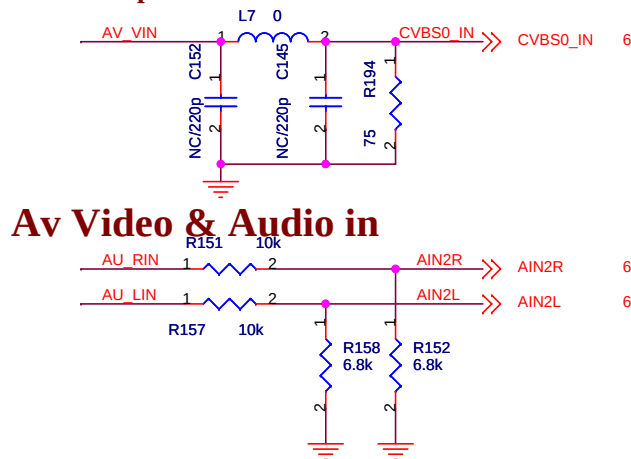
Cultraview , Inc.		CONFIDENTIAL	3000 LongDong Road Shanghai, China (86) 021-68791101	
Title		04_AV_I/O		
Size	Document Number			Rev
Custom	CV7050LA_V1.2			
Date:	Tuesday, November 10, 2009		Sheet 4	of 11



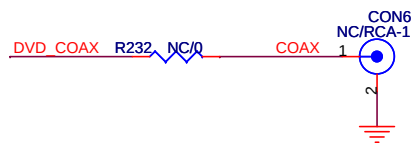
S-Video



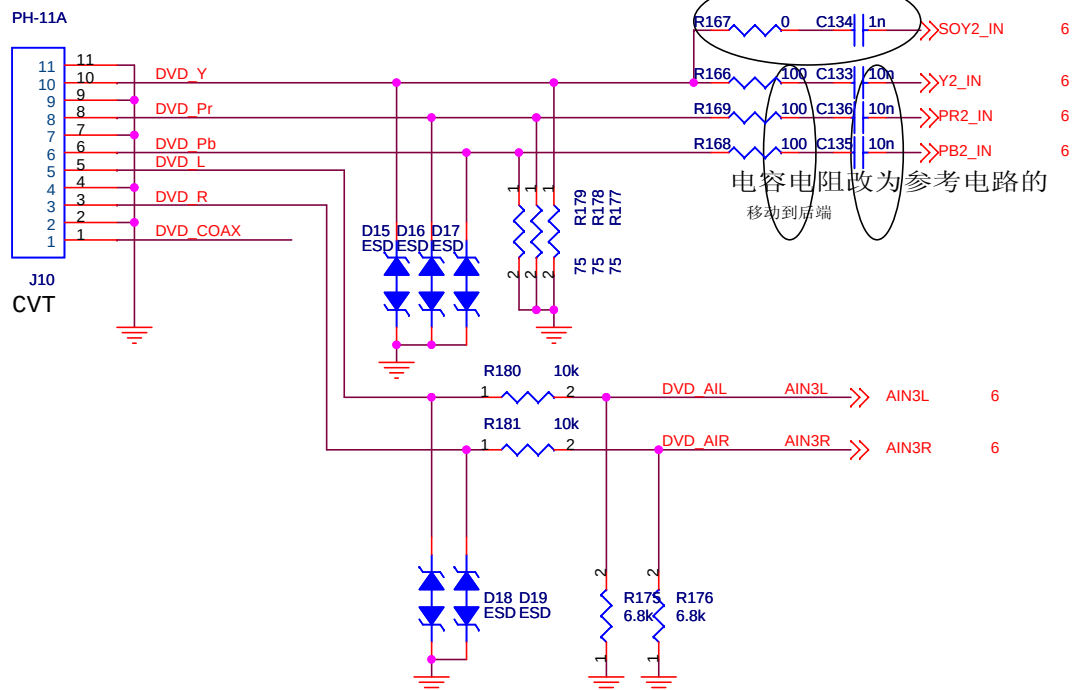
These components close to SPV7050



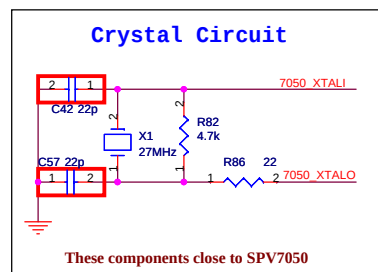
Av Video & Audio in



DVD_RGB



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Title	05. DVD&DTV		
Size	Document Number	Rev	
Custom	CV7050LA_V1.2		
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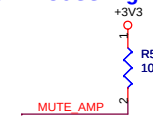
These components close to SPV7050

If X1 CL=12pF, then
C38=C46=15pF

CEC_HDMI?Reserve

LVDS Output

Default Pull Setting



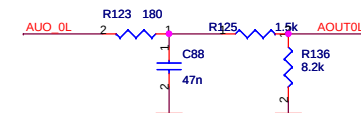
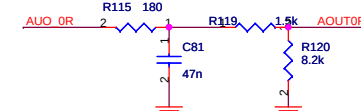
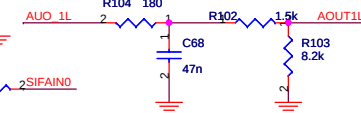
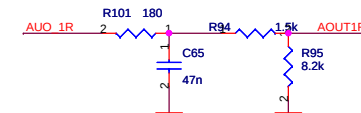
TX0M0	TX0M0	8
TX0P0	TX0P0	8
TX0M1	TX0M1	8
TX0P1	TX0P1	8
TX0M2	TX0M2	8
TX0P2	TX0P2	8
TXCLK0M	TXCLK0M	8
TXCLK0P	TXCLK0P	8
TX0M3	TX0M3	8
TX0P3	TX0P3	8
TX1M0	TX1M0	8
TX1P0	TX1P0	8
TX1M1	TX1M1	8
TX1P1	TX1P1	8
TX1M2	TX1M2	8
TX1P2	TX1P2	8
TXCLK1M	TXCLK1M	8
TXCLK1P	TXCLK1P	8
TX1M3	TX1M3	8
TX1P3	TX1P3	8

DVD PMN_ON	DVD PMN_ON	2
DVD_IR	DVD_IR	2
PANEL_ON	PANEL_ON	2
POWER_ON	POWER_ON	2
DVD_AUTO	DVD_AUTO	2
BL_ON	BL_ON	2
MUTE_AMP	MUTE_AMP	10

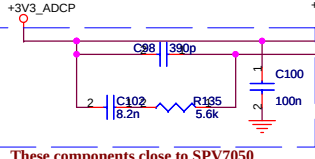
SCL_M	SCL_M	9,10,11
SDA_M	SDA_M	9,10,11

AOUT0L	AOUT0L	4
AOUT0R	AOUT0R	4

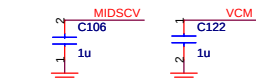
AOUT1L	AOUT1L	10
AOUT1R	AOUT1R	10



HDMI Input



These components close to SPV7050



These components close to SPV7050

VGA/YUV Input

串100欧姆电阻

Video Input

Audio Input

MPU & SPI

IR DAT

POWER ON

BL_ON

MUTE_AMP

SDA_M

SCL_M

SARIN0

AUO_1R

AUO_1L

VCM_AUO

AUO_0R

AUO_0L

+3V3_SIF

VRP_SIF

VCM_SIF

VRN_SIF

VRN_SIF

VRN_SIF

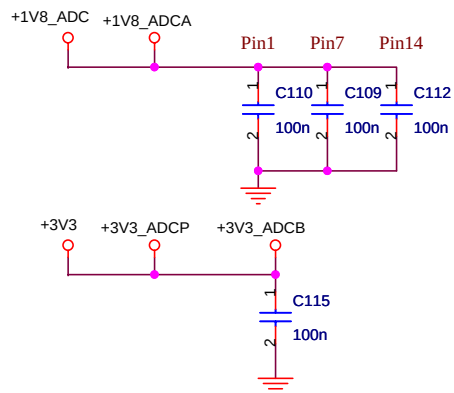
VRN_SIF

VRN_SIF

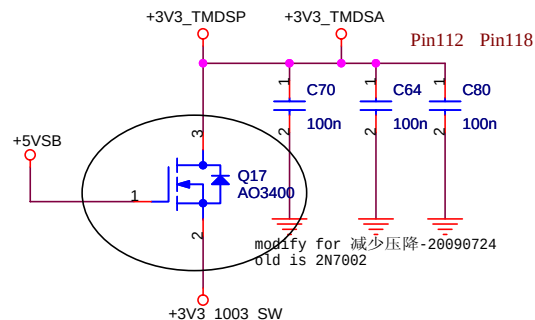
VRN_SIF

Cultraview, Inc.		CONFIDENTIAL	3000 LongDong Road Shanghai, China (86) 021-68791101
Title		06. SPV7050_Main	
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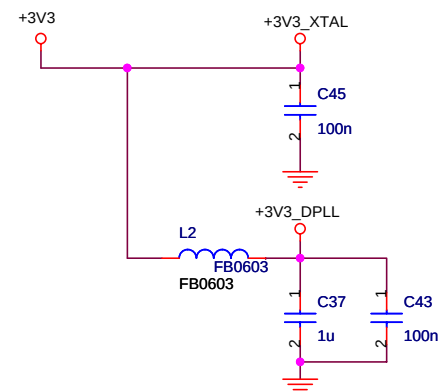
ADC POWER/GND (1.8V/3.3V)



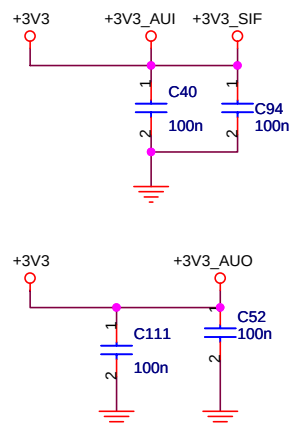
TMDS POWER/GND (1.8V/3.3V)



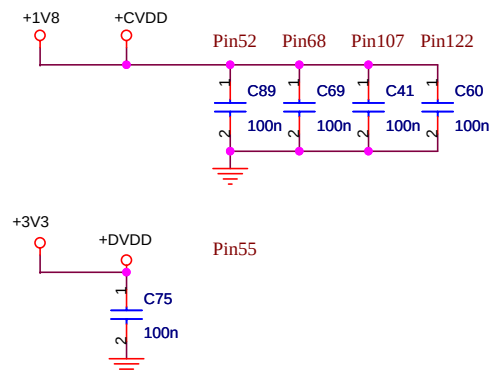
XTAL POWER/GND (3.3V)



SARADC/SIF/AUDIO POWER/GND (3.3V)

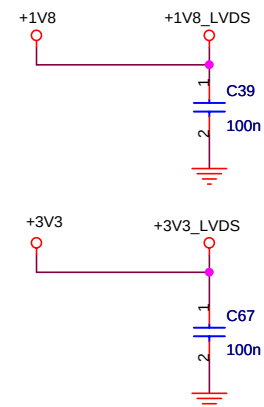


SOURCE POWER/GND (1.8V/3.3V)



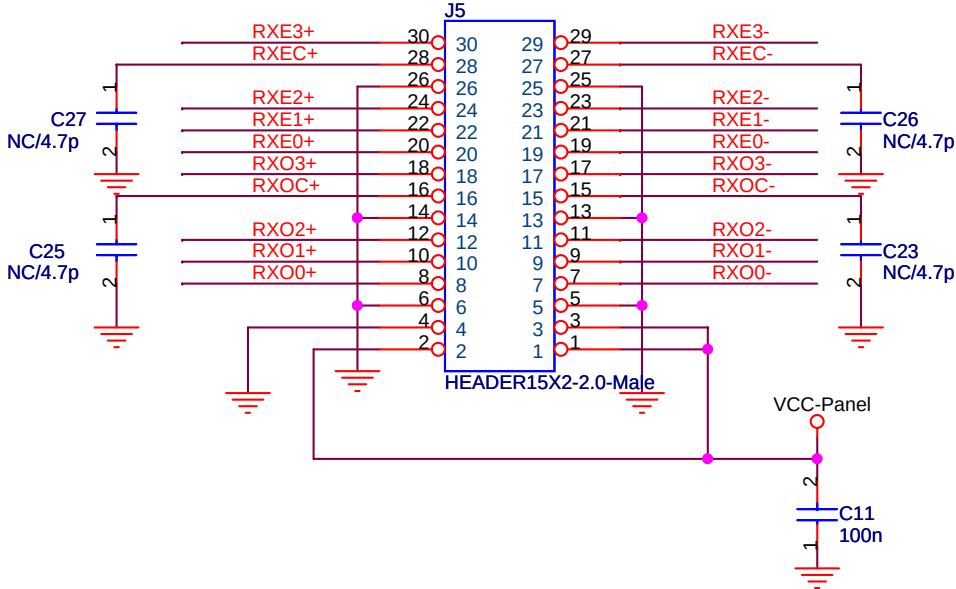
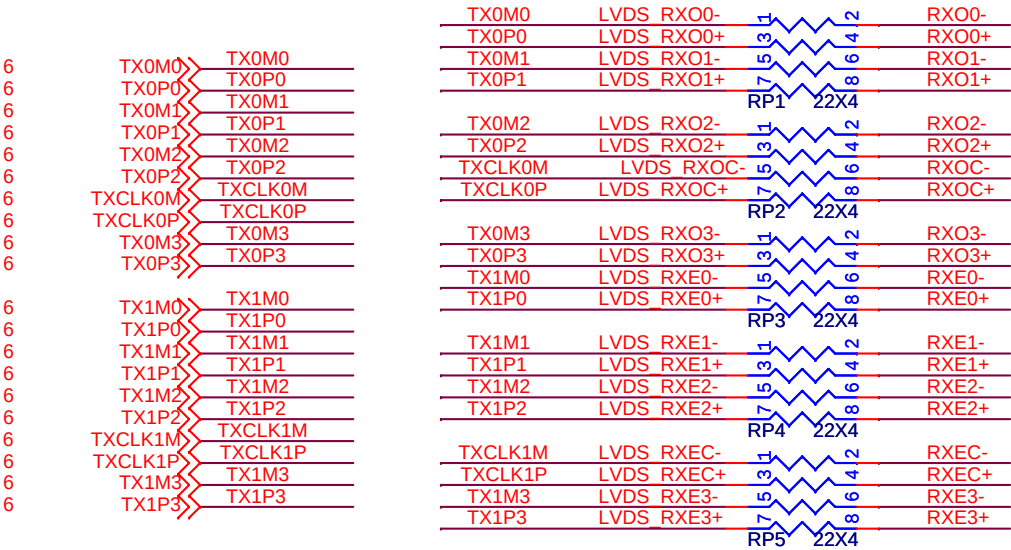
FB52~53 add for current measure only

LVDS POWER/GND (3.3V)

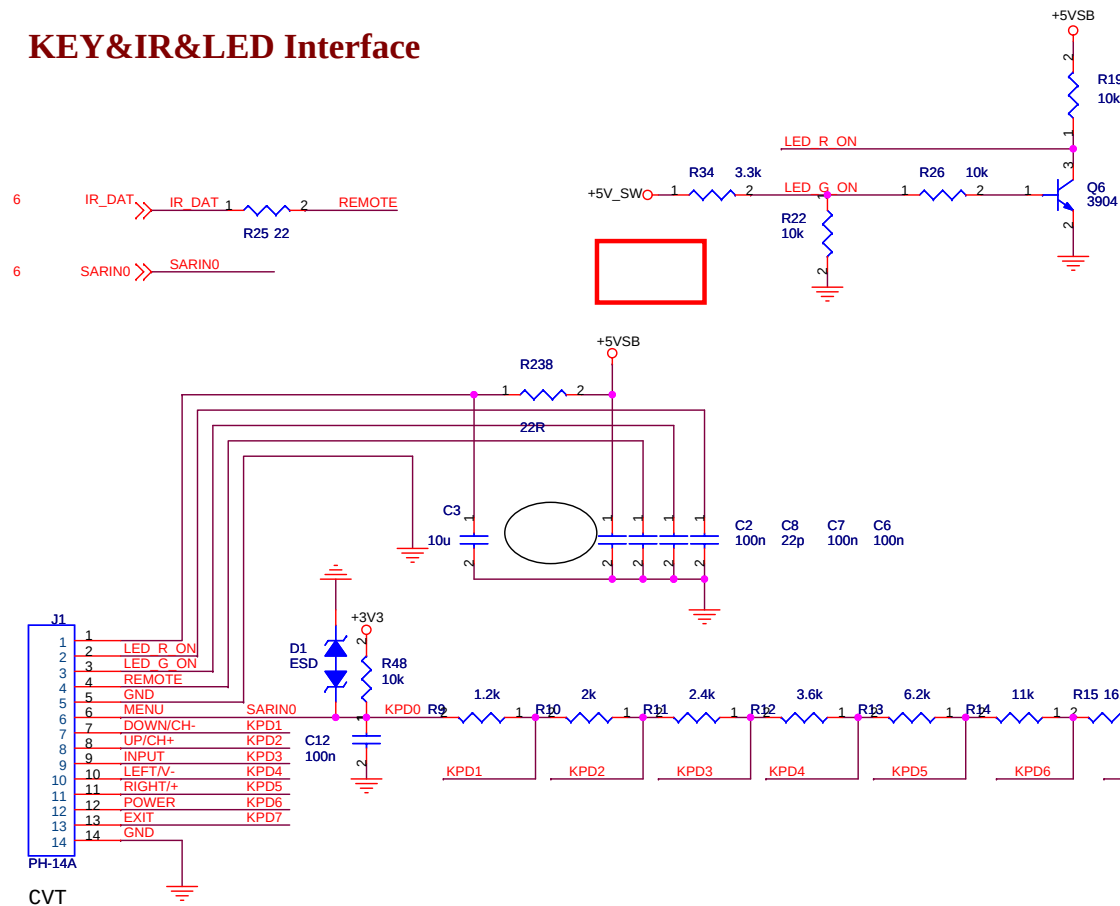


Cultraview , Inc.		CONFIDENTIAL	3000 LongDong Road Shanghai, China (86) 021-68791101	
Title				
07. SPV7050_Power				
Size	Document Number			Rev
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Date:	Tuesday, November 10, 2009	Sheet 7	of 11	

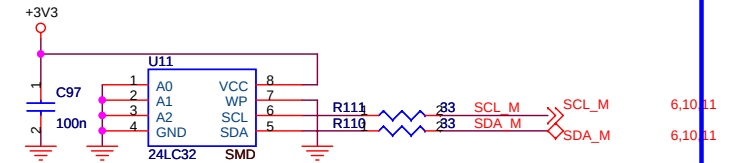
LVDS CONNECTOR



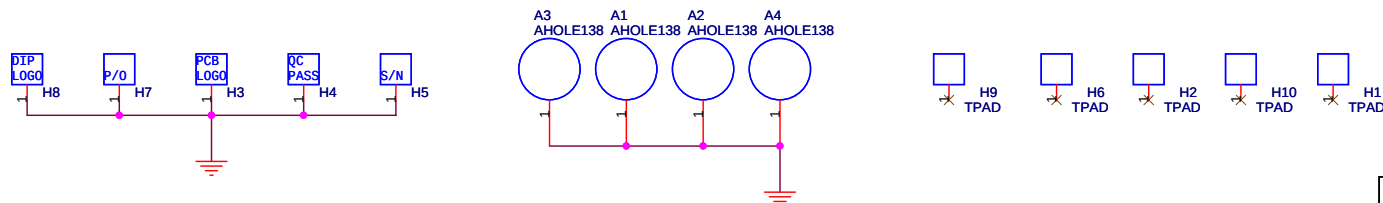
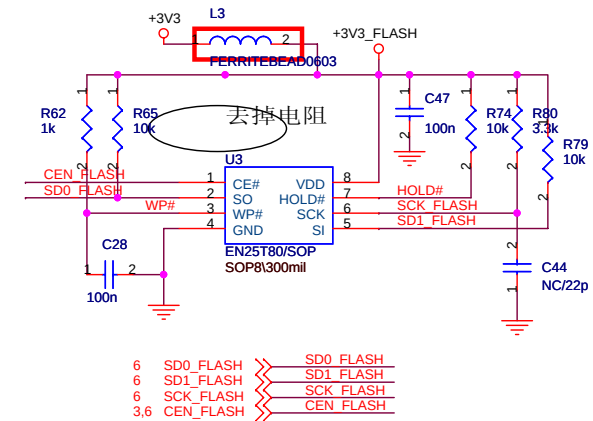
KEY&IR&LED Interface



EEPROM

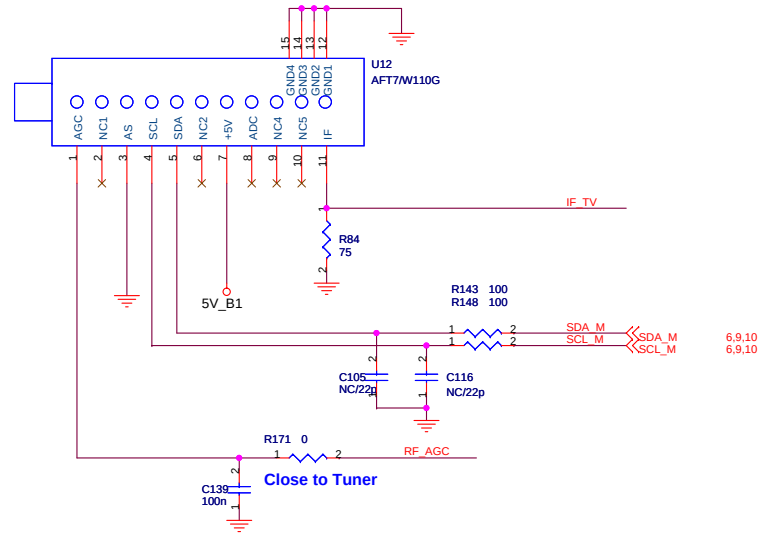
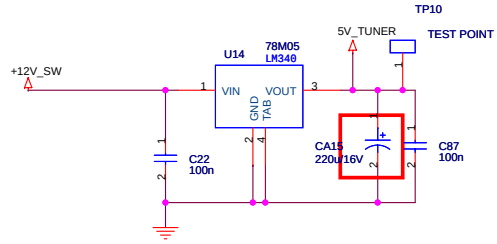


Flash Interface



Cultraview, Inc.		CONFIDENTIAL		3000 LongDong Road Shanghai, China (86) 021-68791101	
Title		09. SPI&KEY&IR			
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TUNER



U23 PIN2 connected to PIN1 B/G,DK,I,L
U23 PIN2 connected to GND L'

I2C ADDRESS(R263 NC):
READ is 0X87
WRITE is 0X86

B/G,DK,I,L PIN22 0
L,L' PIN22 1

