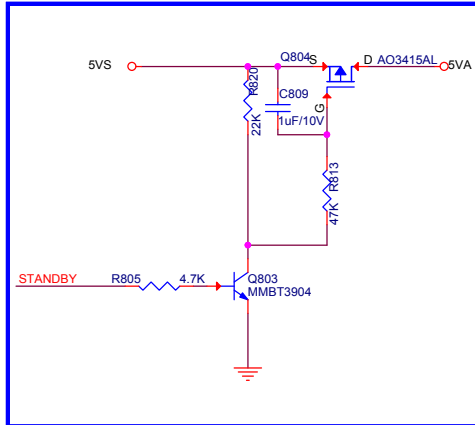
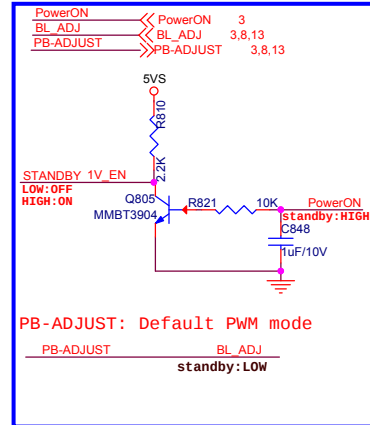
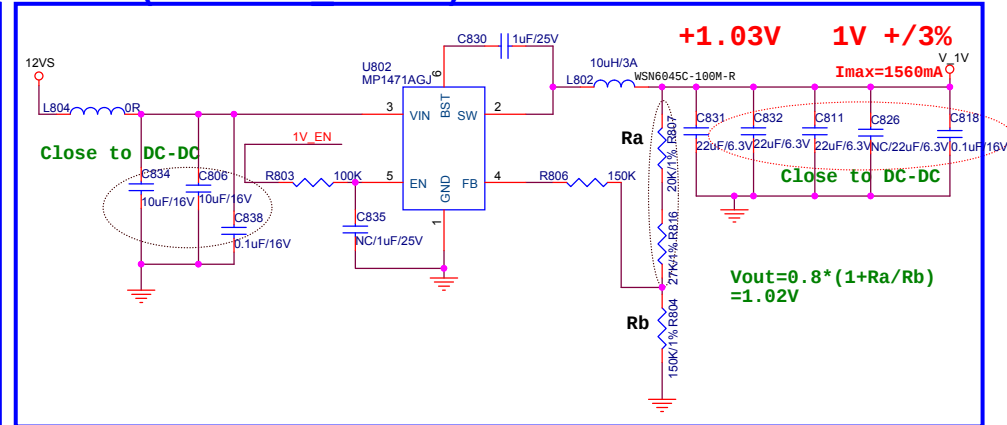


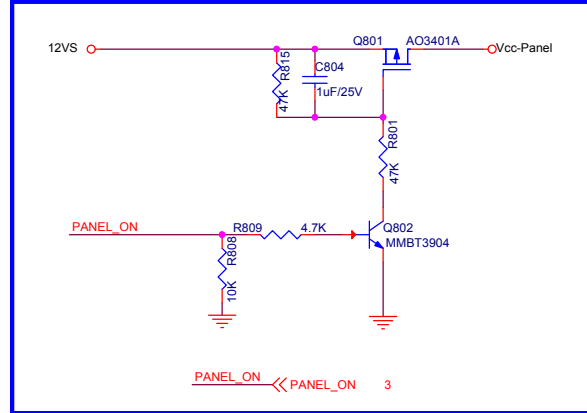
Power controller Power Switch



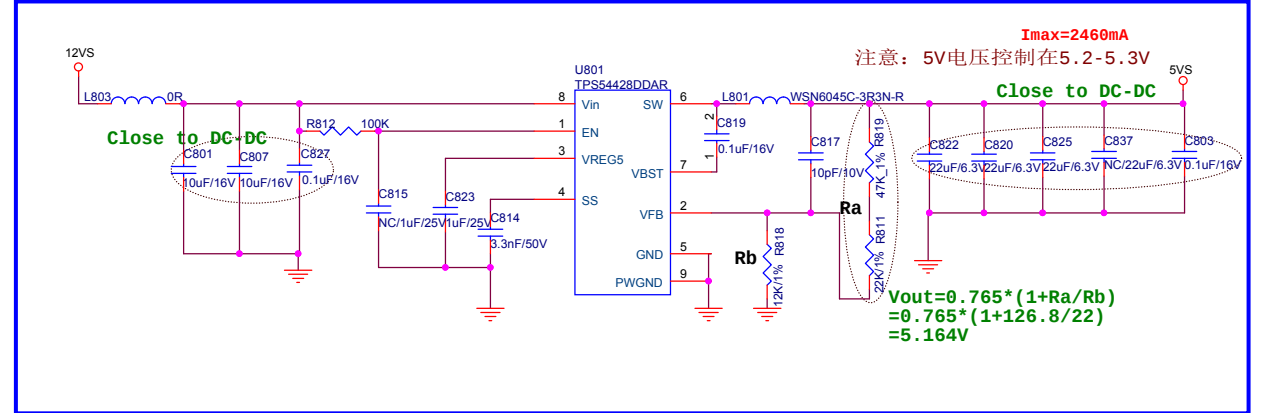
DC-DC(12VS-1V COER)



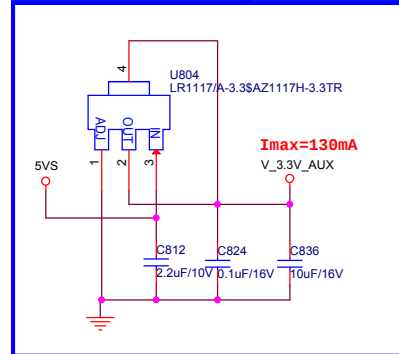
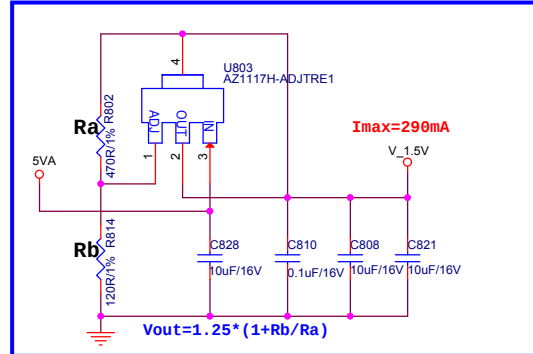
Power for panel



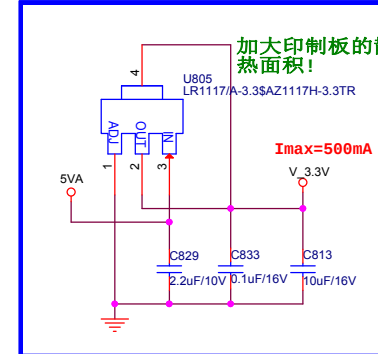
DC-DC(12VS-5VS)



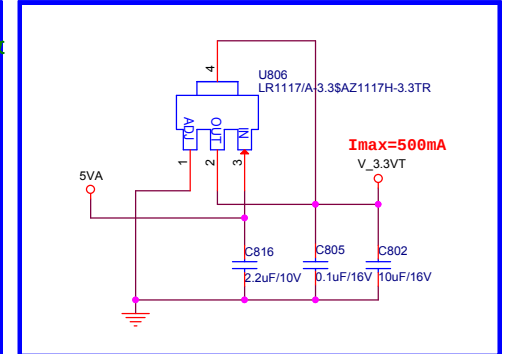
1.5V Normal Power for DDR3 3.3V Standby Power



3.3V Normal Power



3.3V Tuner



CHANGHONG

System Power

Size Document Number

Custom S2T512_APCKTVA

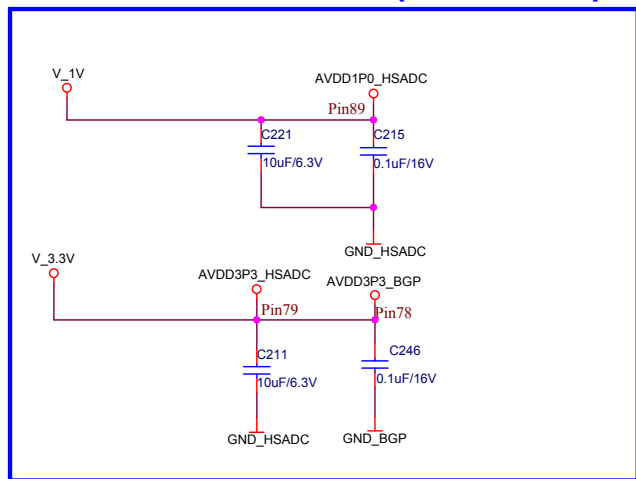
Date: Friday, July 18, 2014

Sheet 1 of 13

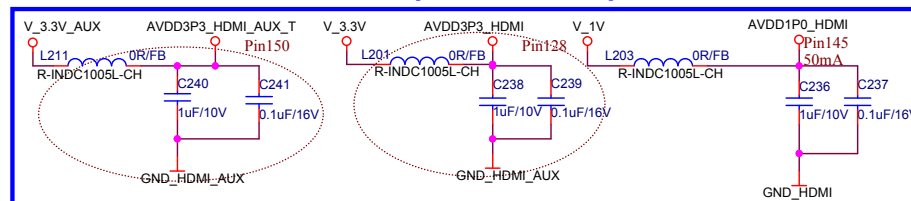
Rev

0.1

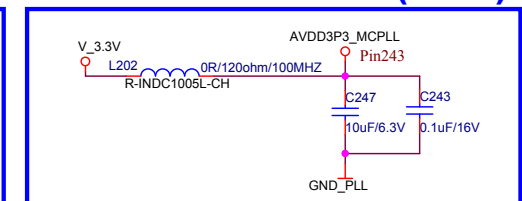
ADC POWER/GND (1.0V/3.3V)



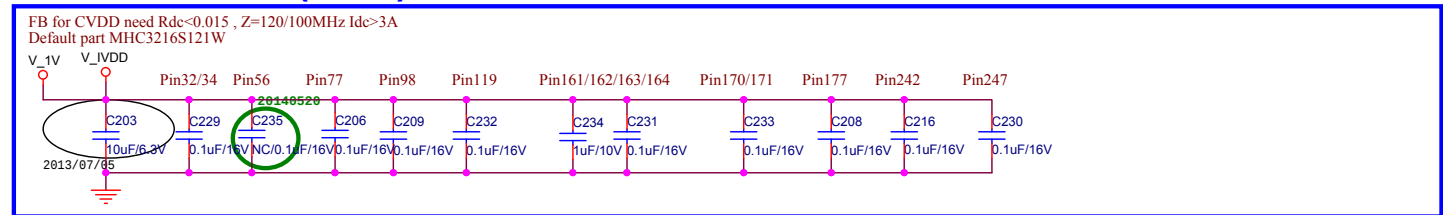
HDMI POWER/GND (1.0V/3.3V)



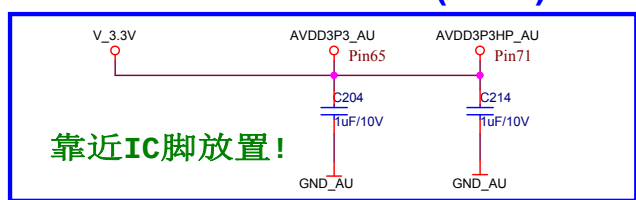
PLL POWER/GND (3.3V)



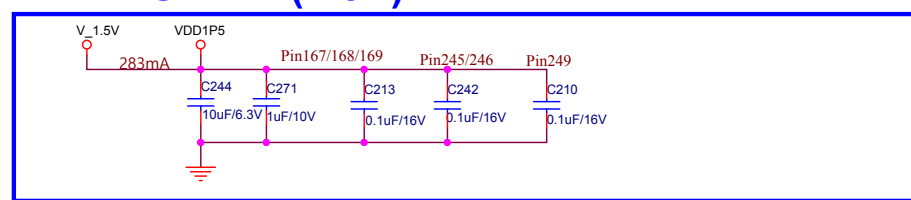
IVDD POWER (1.0V)



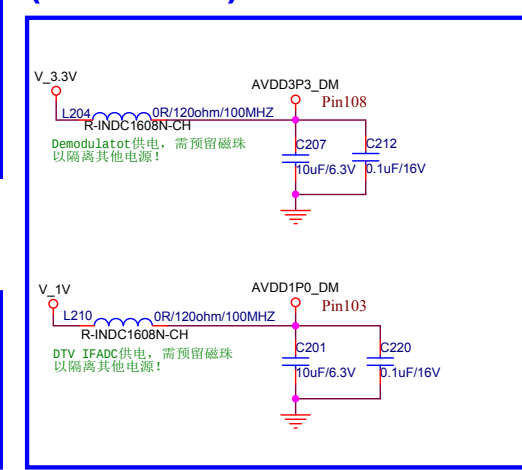
AUDIO POWER/GND (3.3V)



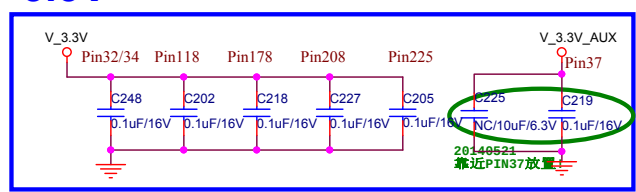
DDR POWER (1.5V)



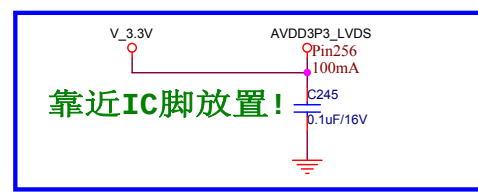
DEMOD POWER/GND (3.3V/1.0V)



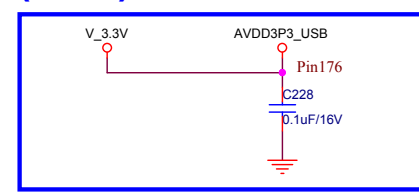
3.3V



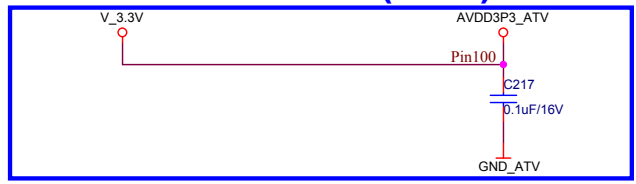
LVDS POWER/GND (3.3V)



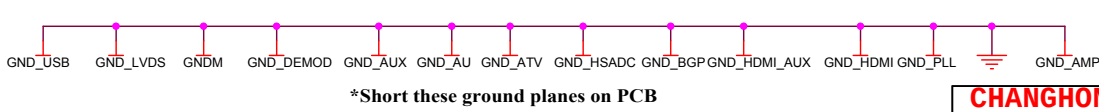
USB POWER/GND (3.3V)



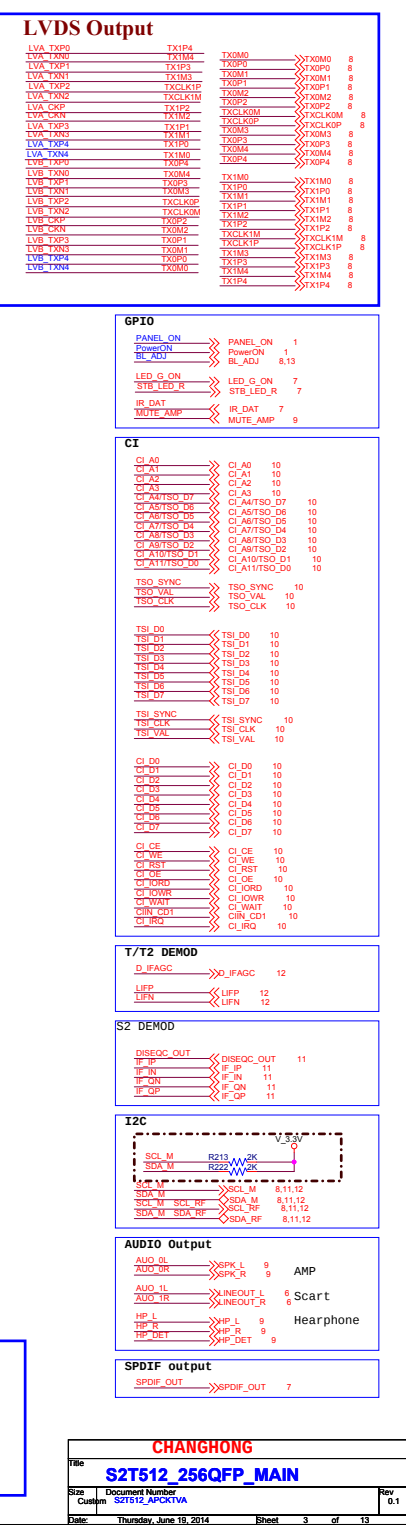
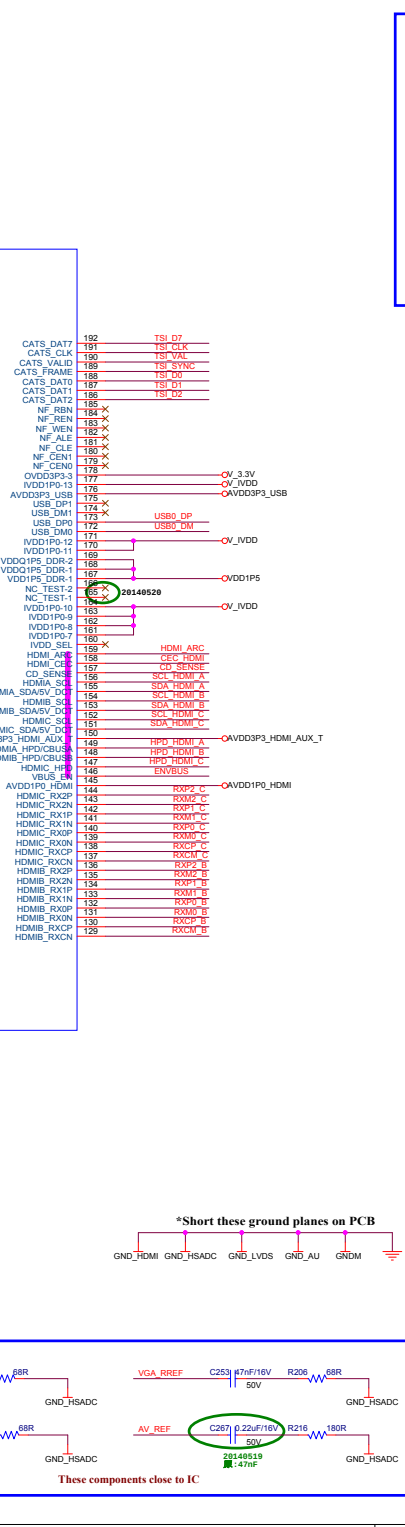
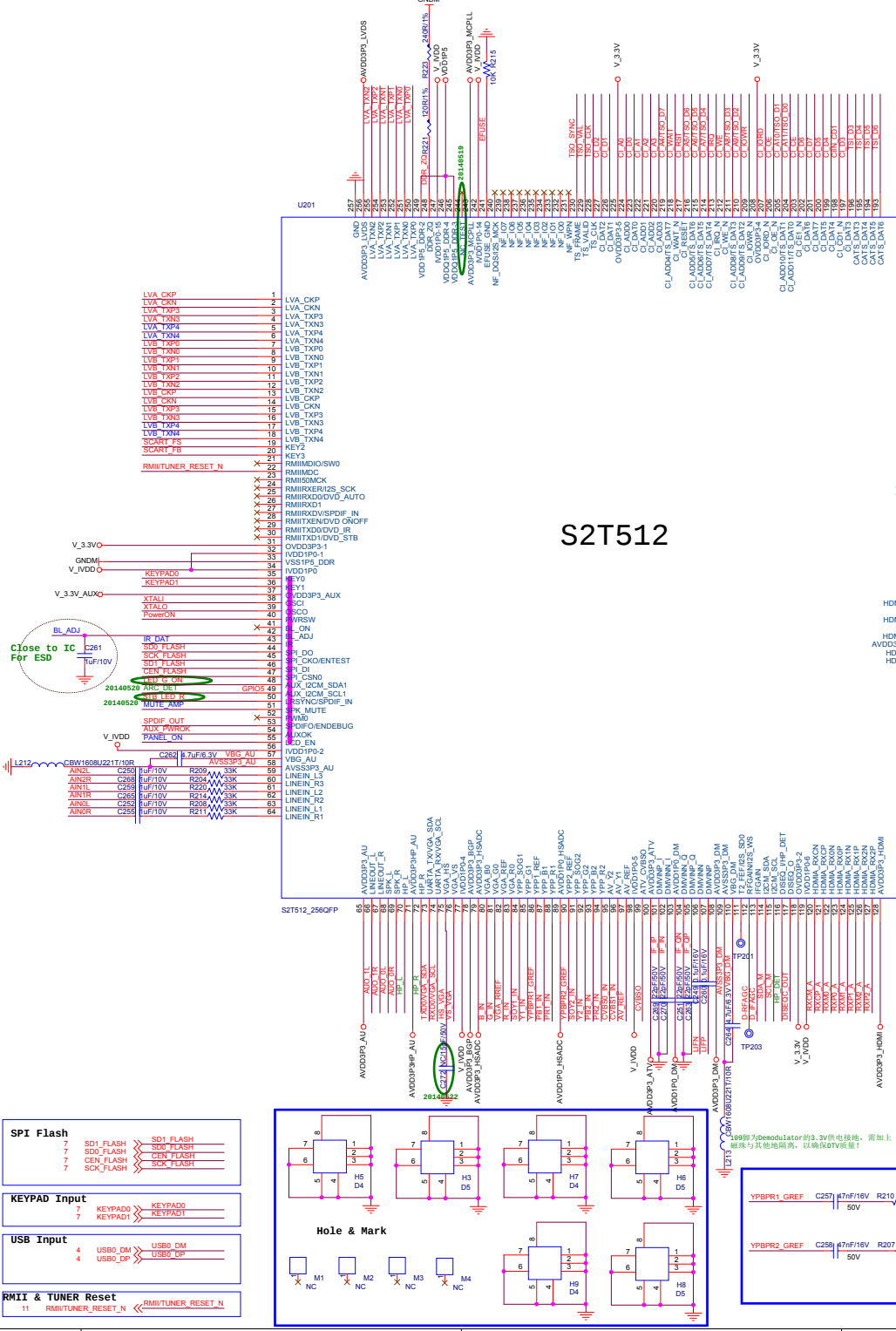
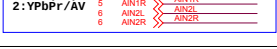
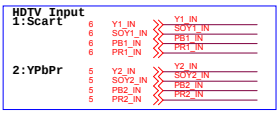
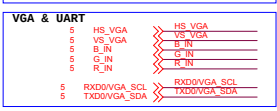
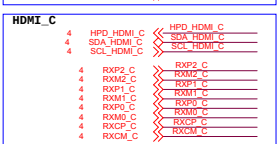
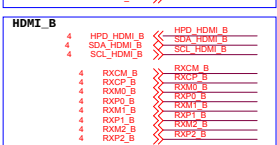
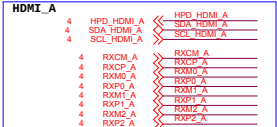
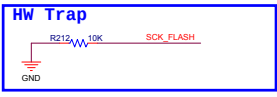
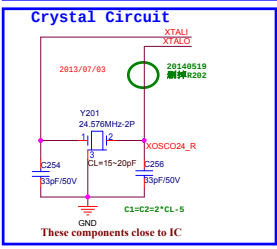
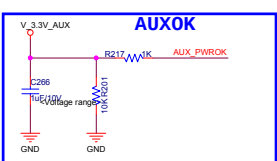
ATV POWER/GND (3.3V)



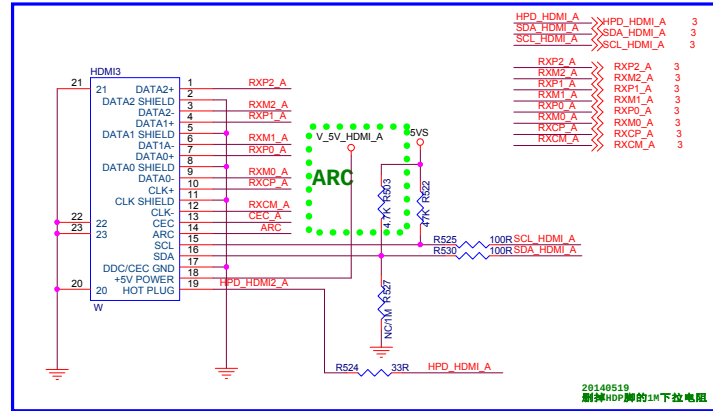
ALL FB except ADC, CVDD : need Rdc<0.2 , Z=300/100MHz , ldc>500mA
Default part : MCB2012S301H



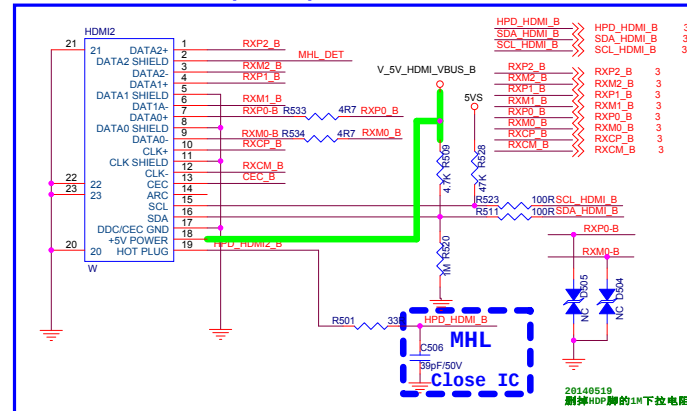
CHANGHONG		
Title	S2T512_256QFP_Power	
Size	Document Number	Rev
B	S2T512_APCKTVA	0.1
Date:	Thursday, June 19, 2014	Sheet 2 of 13



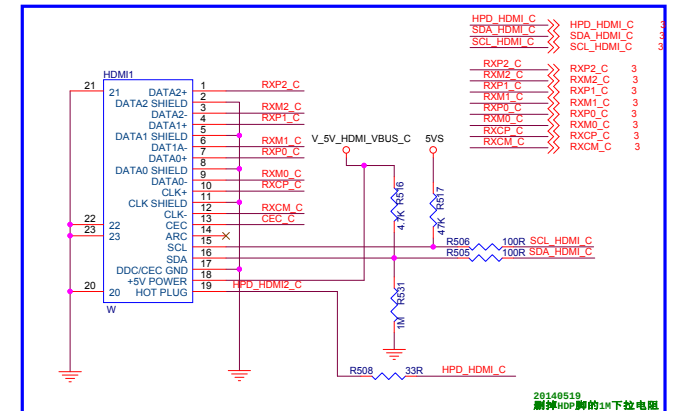
HDMI PORT-A



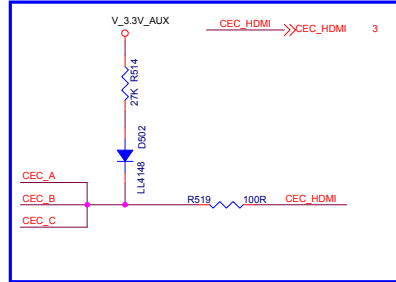
HDMI PORT-B(MHL)



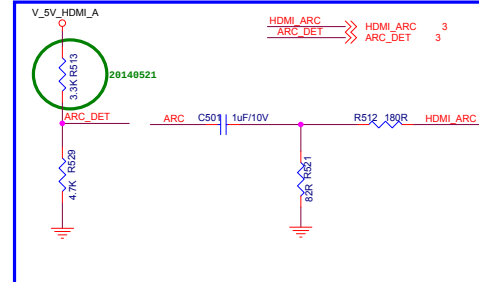
HDMI PORT-C



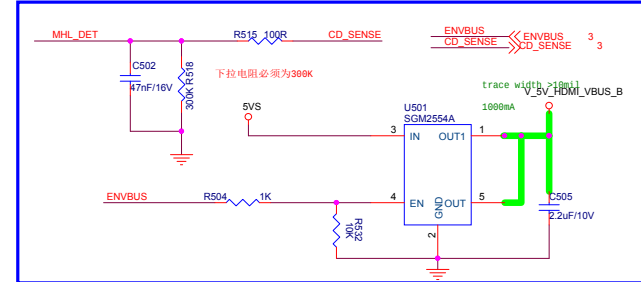
HDMI CEC



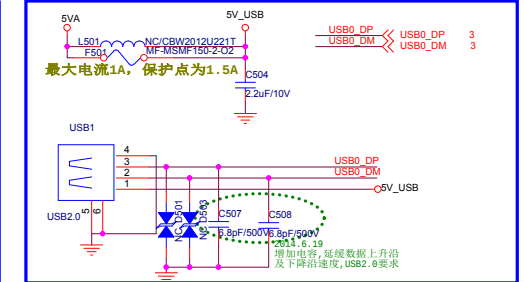
HDMI ARC



HDMI MHL

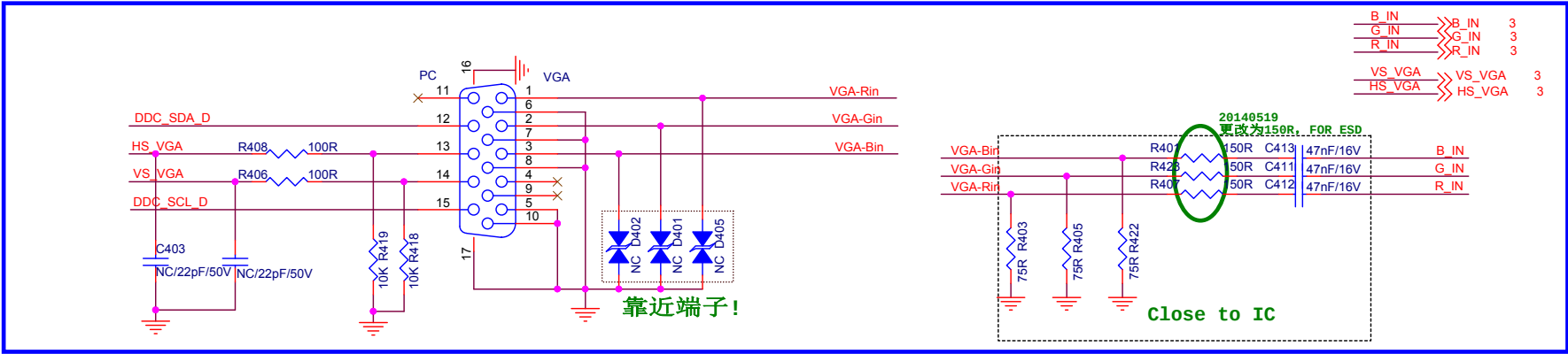


USB interface

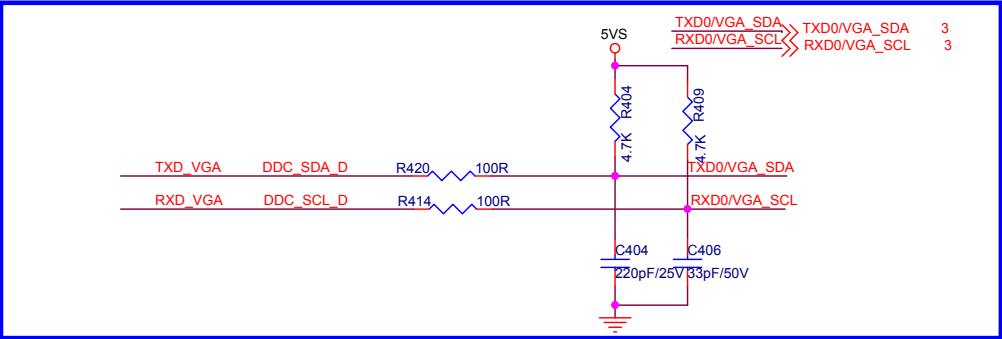


CHANGHONG			
File	Input1-HDMI&USB		
Size	Document Number	Rev	
Custom	S21512_APCKTVA	0.1	
Date:	Friday, July 18, 2014	Sheet	4 of 13

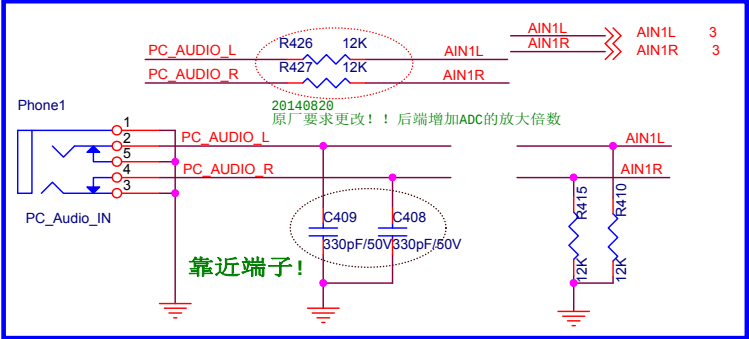
VGA INPUT



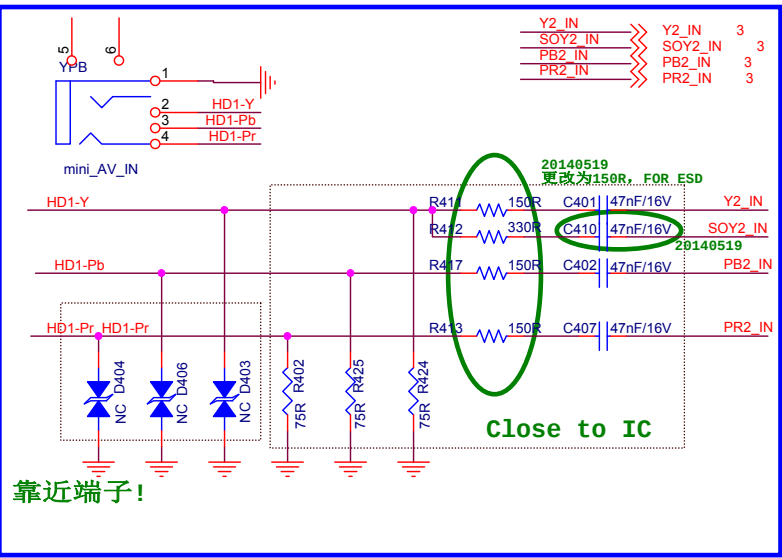
PC DDC



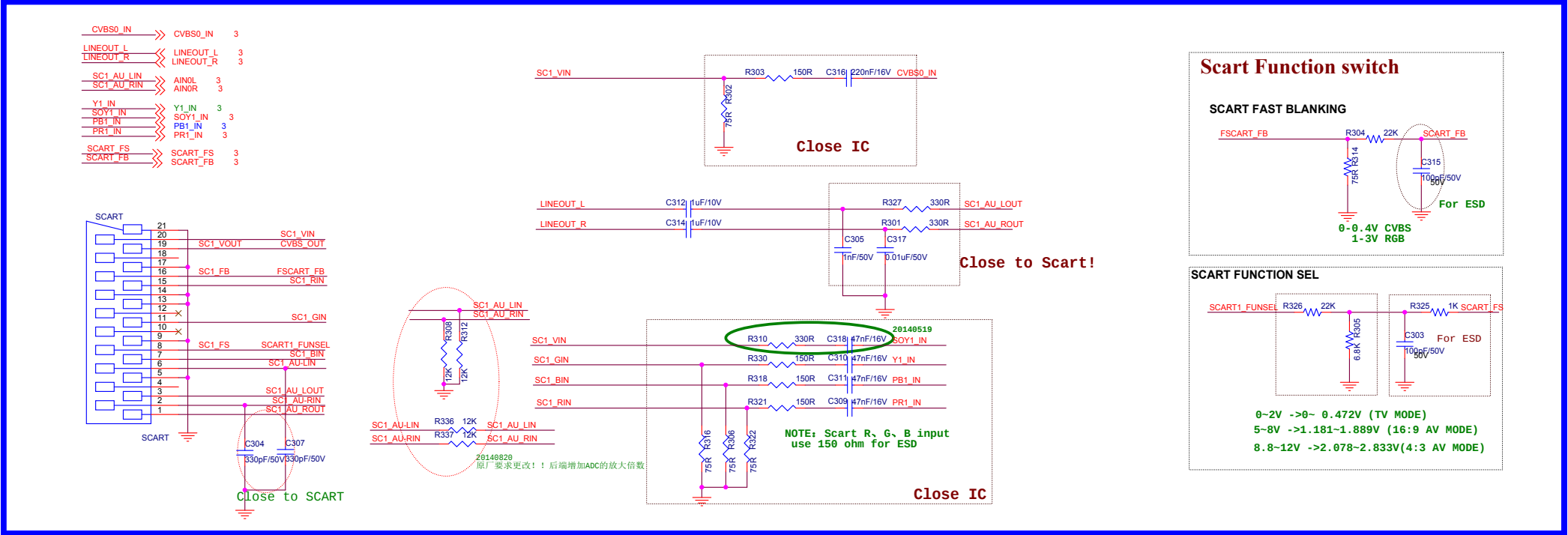
PC AUDIO IN



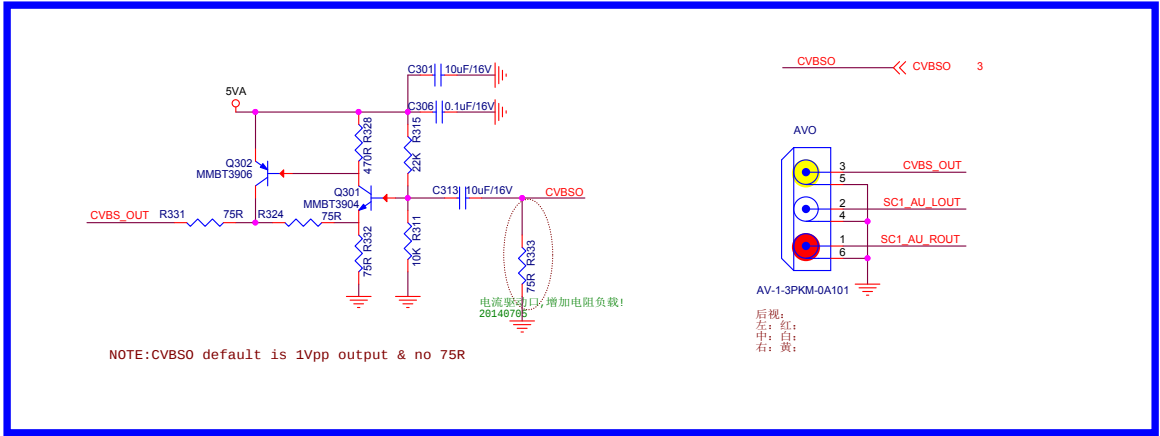
YPBPR INPUT



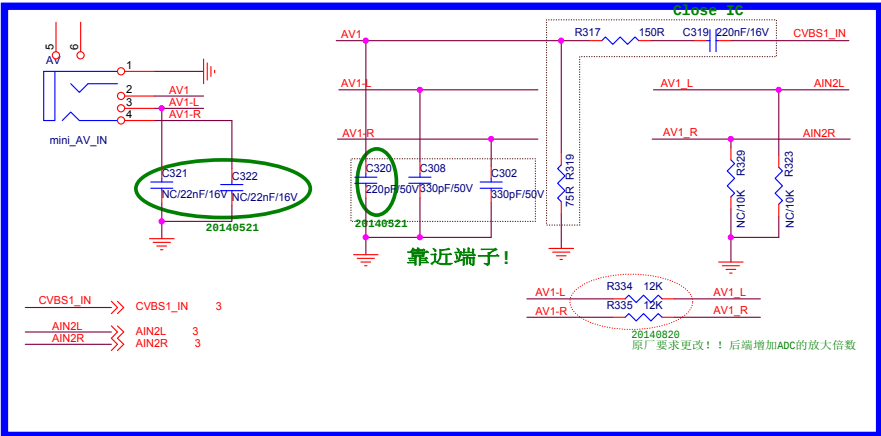
FULL SCART



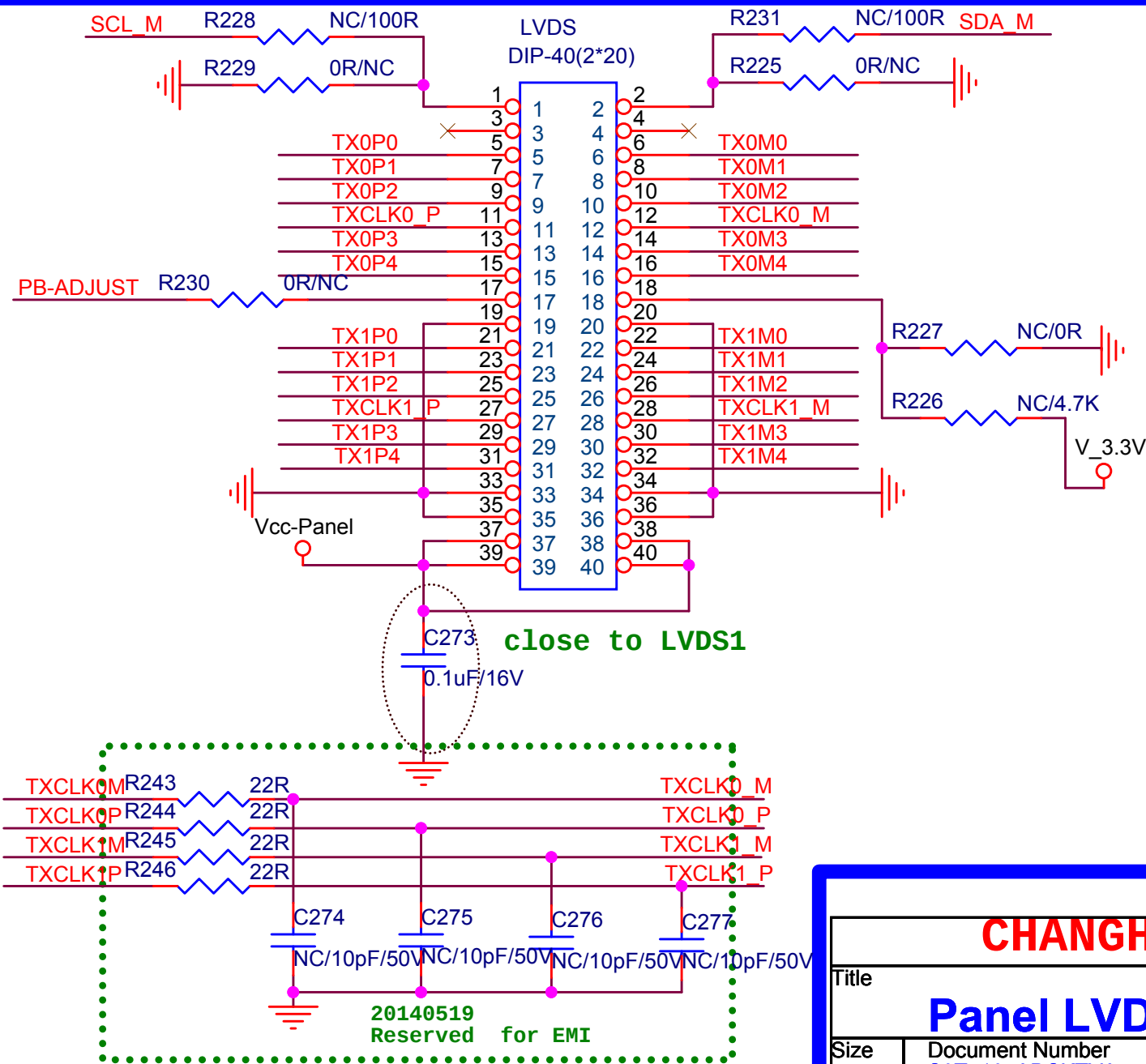
VIDEO OUT OP



AV INPUT



CHANGHONG			
Title			
Input3-AV&SCART			
Size	Document Number	Rev	
Custom	S21512_APCKTIVA	0.1	
Date:	Wednesday, August 20, 2014	Sheet	6 of 13



TX0M4	TX0M4	3
TX0P4	TX0P4	3
TX0M3	TX0M3	3
TX0P3	TX0P3	3
TXCLK0M	TXCLK0M	3
TXCLK0P	TXCLK0P	3
TX0M2	TX0M2	3
TX0P2	TX0P2	3
TX0M1	TX0M1	3
TX0P1	TX0P1	3
TX0M0	TX0M0	3
TX0P0	TX0P0	3
TX1M4	TX1M4	3
TX1P4	TX1P4	3
TX1M3	TX1M3	3
TX1P3	TX1P3	3
TXCLK1M	TXCLK1M	3
TXCLK1P	TXCLK1P	3
TX1M2	TX1M2	3
TX1P2	TX1P2	3
TX1M1	TX1M1	3
TX1P1	TX1P1	3
TX1M0	TX1M0	3
TX1P0	TX1P0	3
SCL_M	SCL_M	3,11,12
SDA_M	SDA_M	3,11,12
PB-ADJUST	PB-ADJUST	3,13

CHANGHONG

Panel LVDS Output

Title

Size

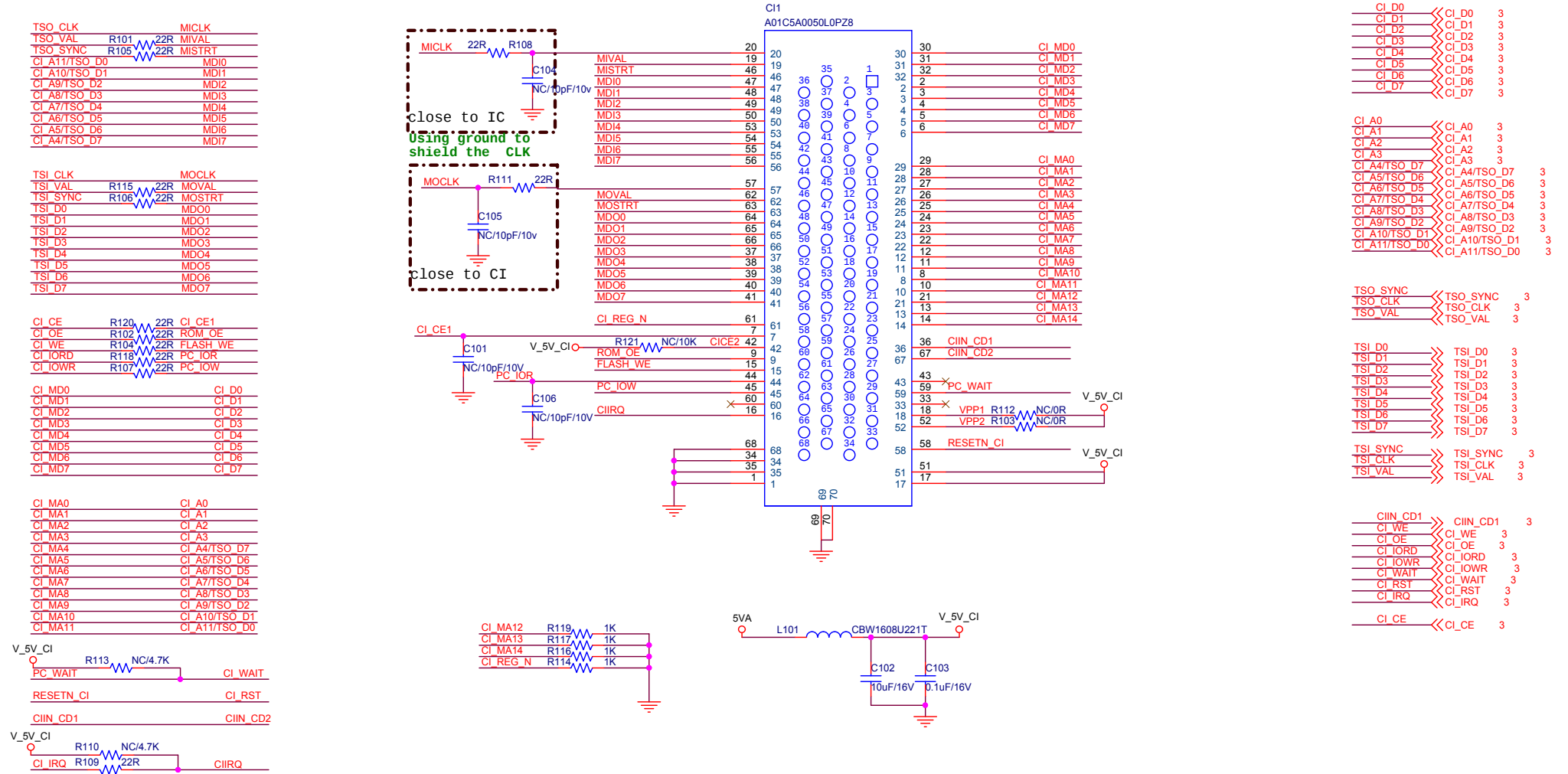
Document Number
Custom S2T512_APCKTVA

Rev
0.1

Date: Thursday, June 19, 2014

Sheet 8 of 13

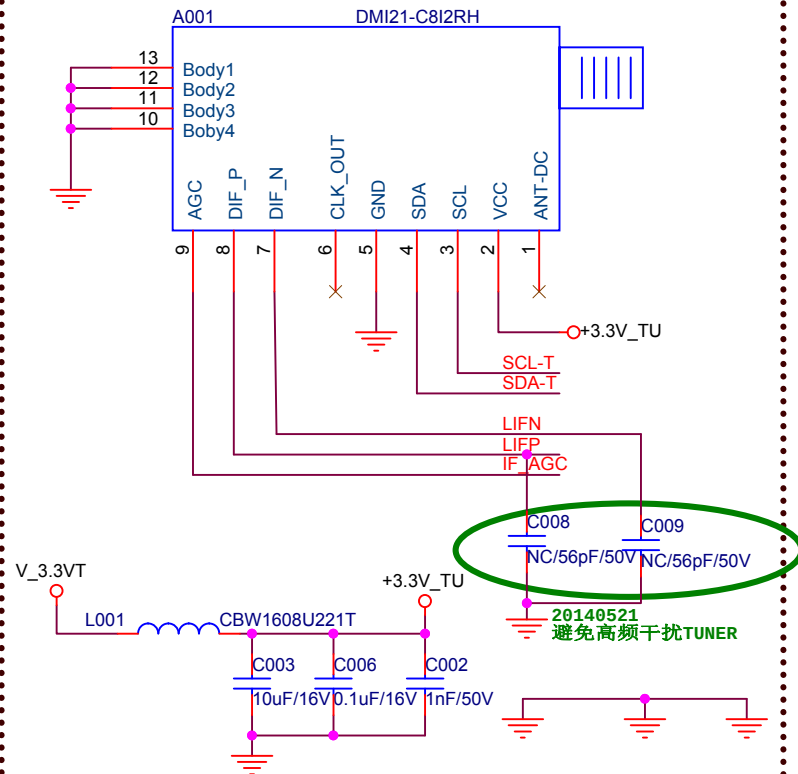
PCMCIA



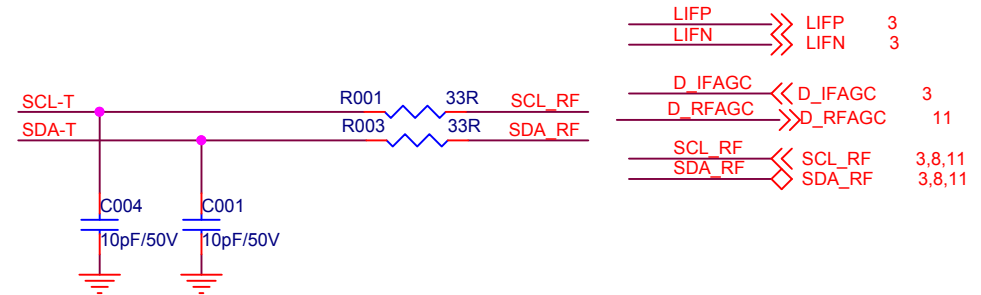
CHANGHONG

Title		
PCMCIA		
Size	Document Number	Rev
Custom	S2T512_APCKTVA	0.1
Date:	Thursday, June 19, 2014	Sheet 10 of 13

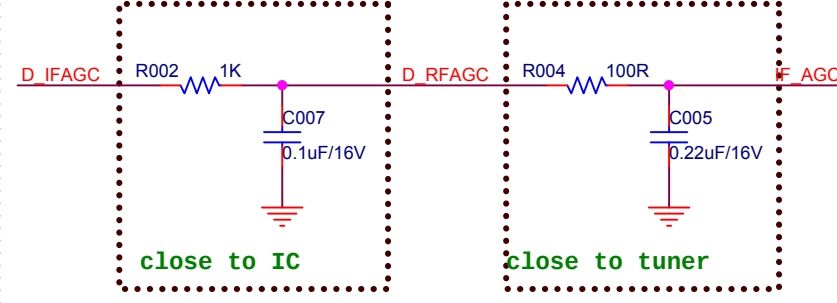
TUNER POWER



DVB-T/T2/C SILICON TUNER



DTV IF AGC



CHANGHONG

Title		
T2+T+C Tuner		
Size	Document Number	Rev
Custom	S2T512_APCKTVA	0.1
Date:	Friday, July 18, 2014	Sheet 12 of 13

