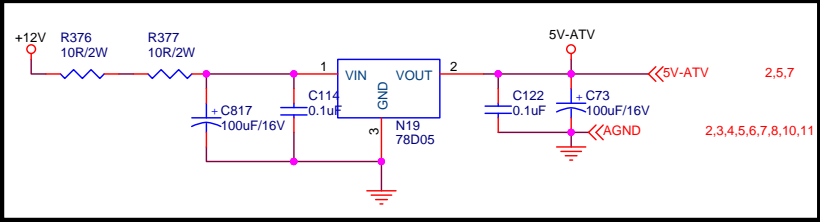
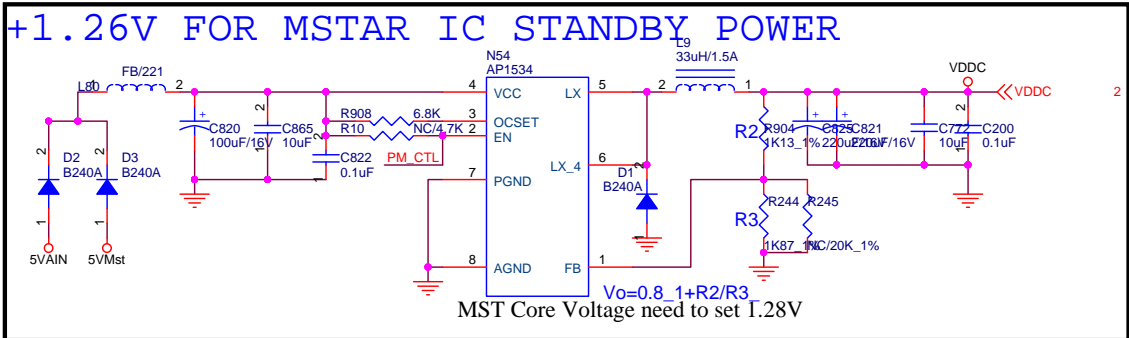
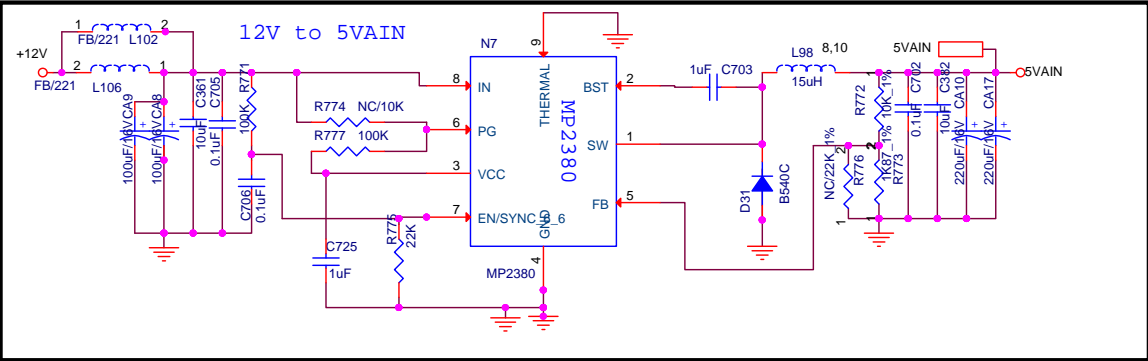
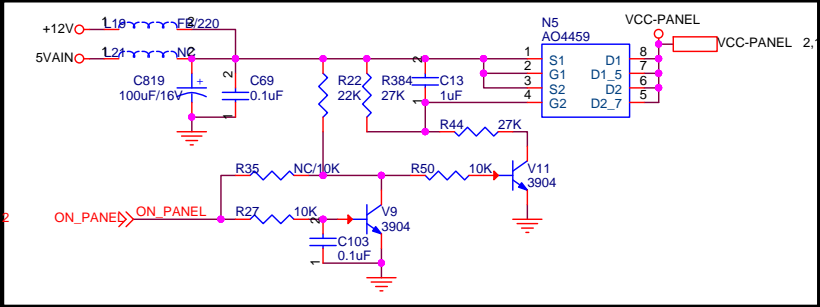


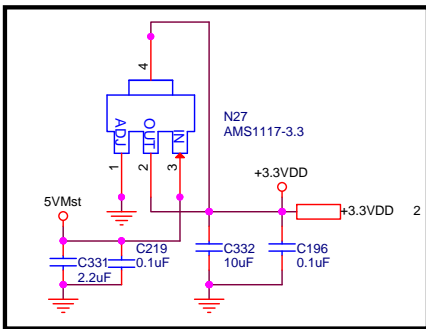
TUNER POWER



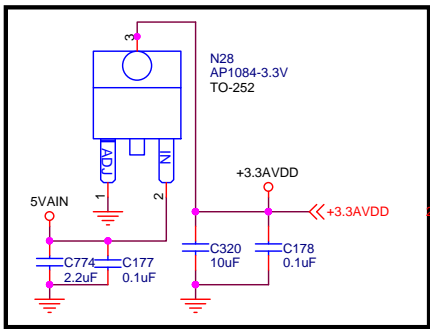
PANEL POWER



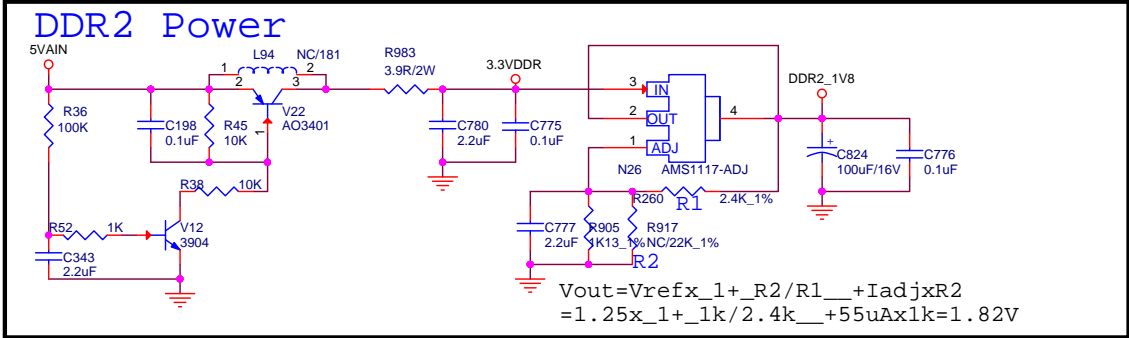
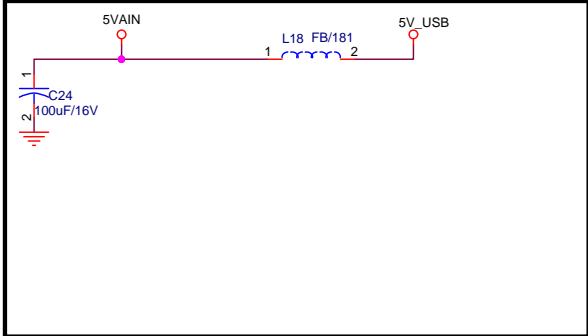
+3.3V STANDBY POWER



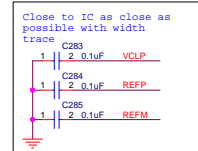
+3.3V NORMAL POWER



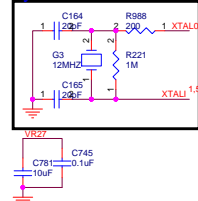
USB Power



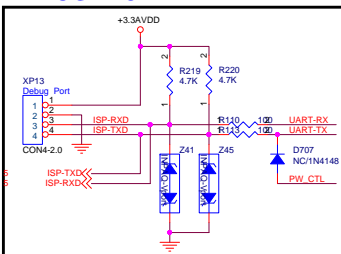
RESET CIRCUIT



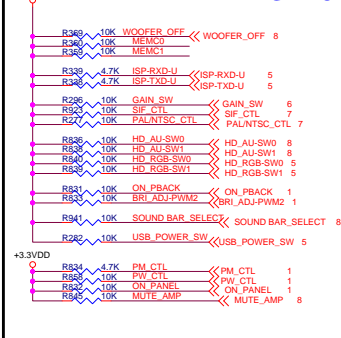
System XTAL



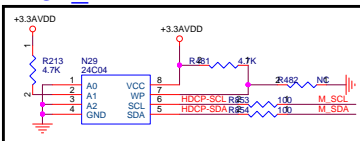
DEBUG PORT



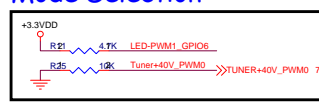
GPIO



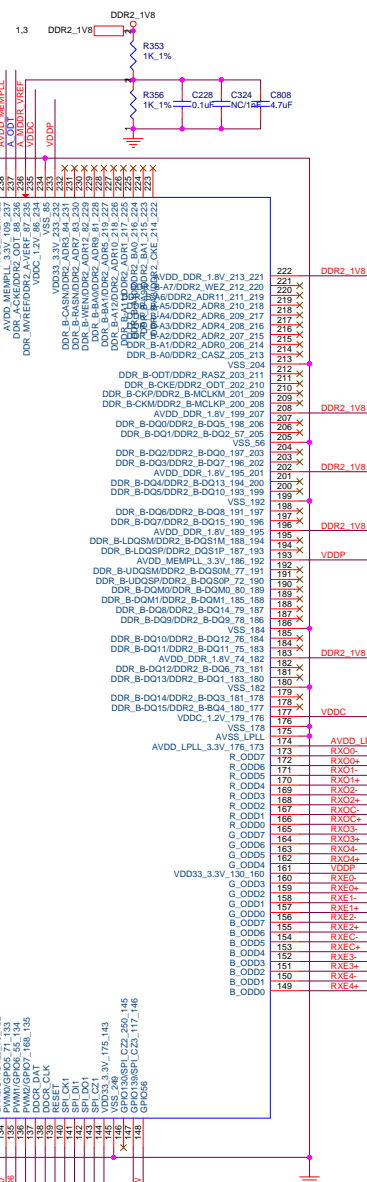
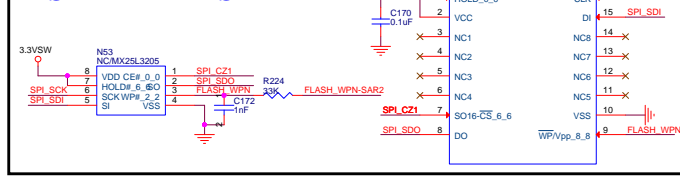
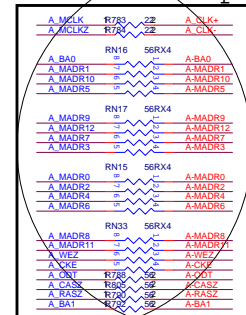
HDCP_KEY



Mode Selection



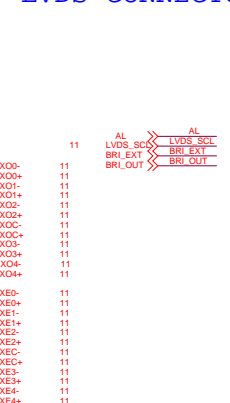
SERIAL FLASH

~~1st DDR2 Chip~~

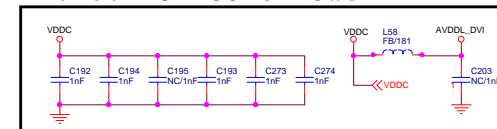
LED CTRL



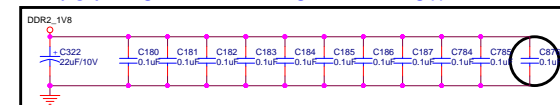
LVDS CONNECTOR



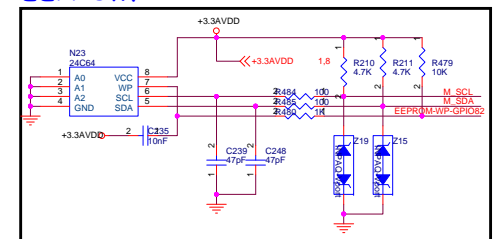
+1.26V FOR Core Power



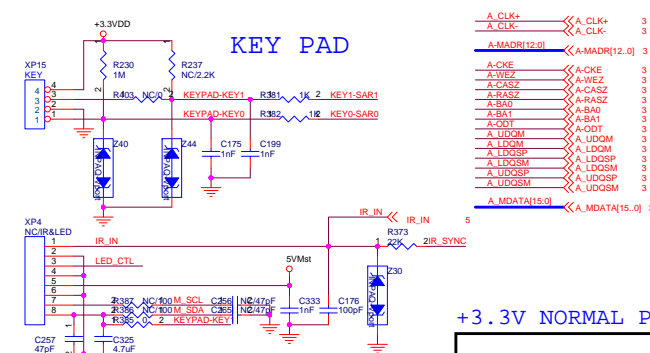
+1.8V FOR DDR2 NORMAL POWER



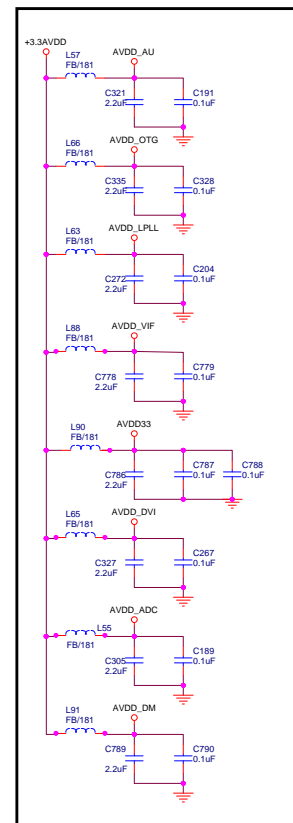
EEPROM



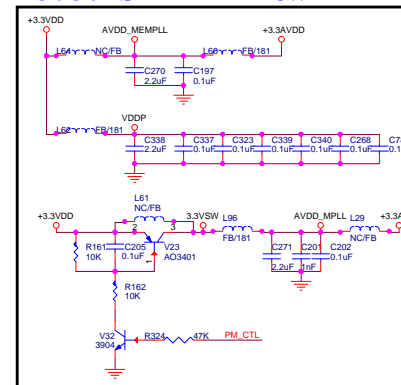
KEY PAD

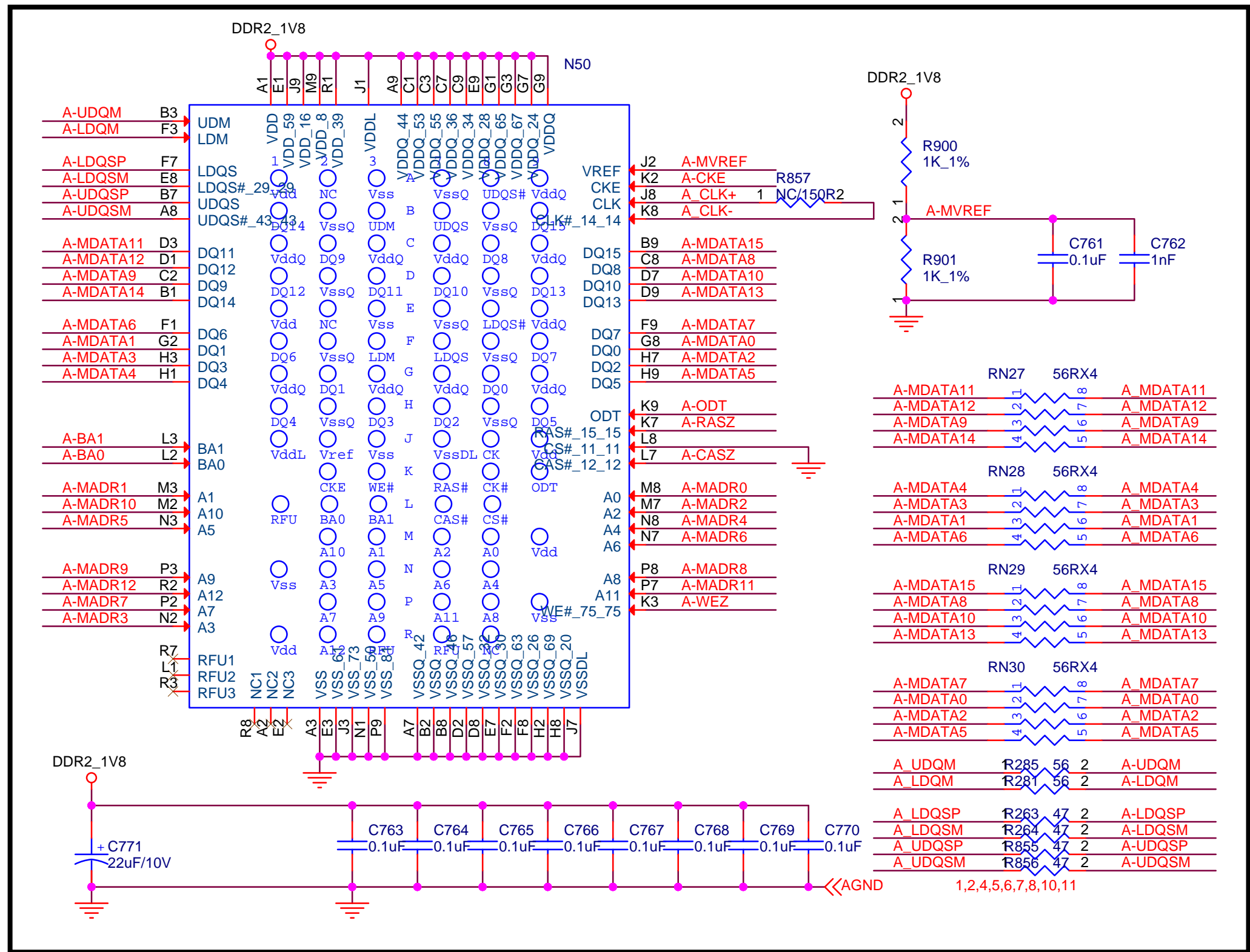
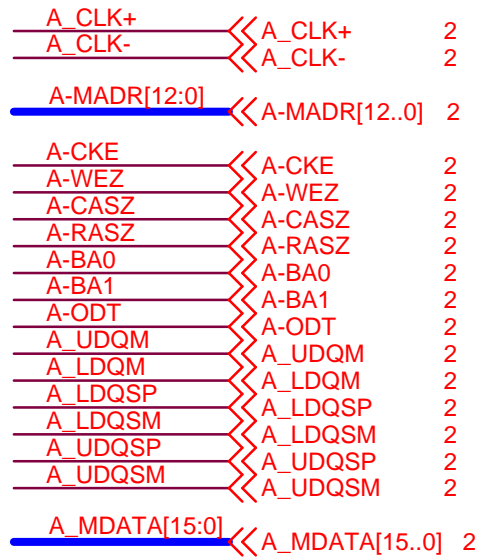


+3.3V NORMAL POWER



+3.3V STANDBY POWER





5

4

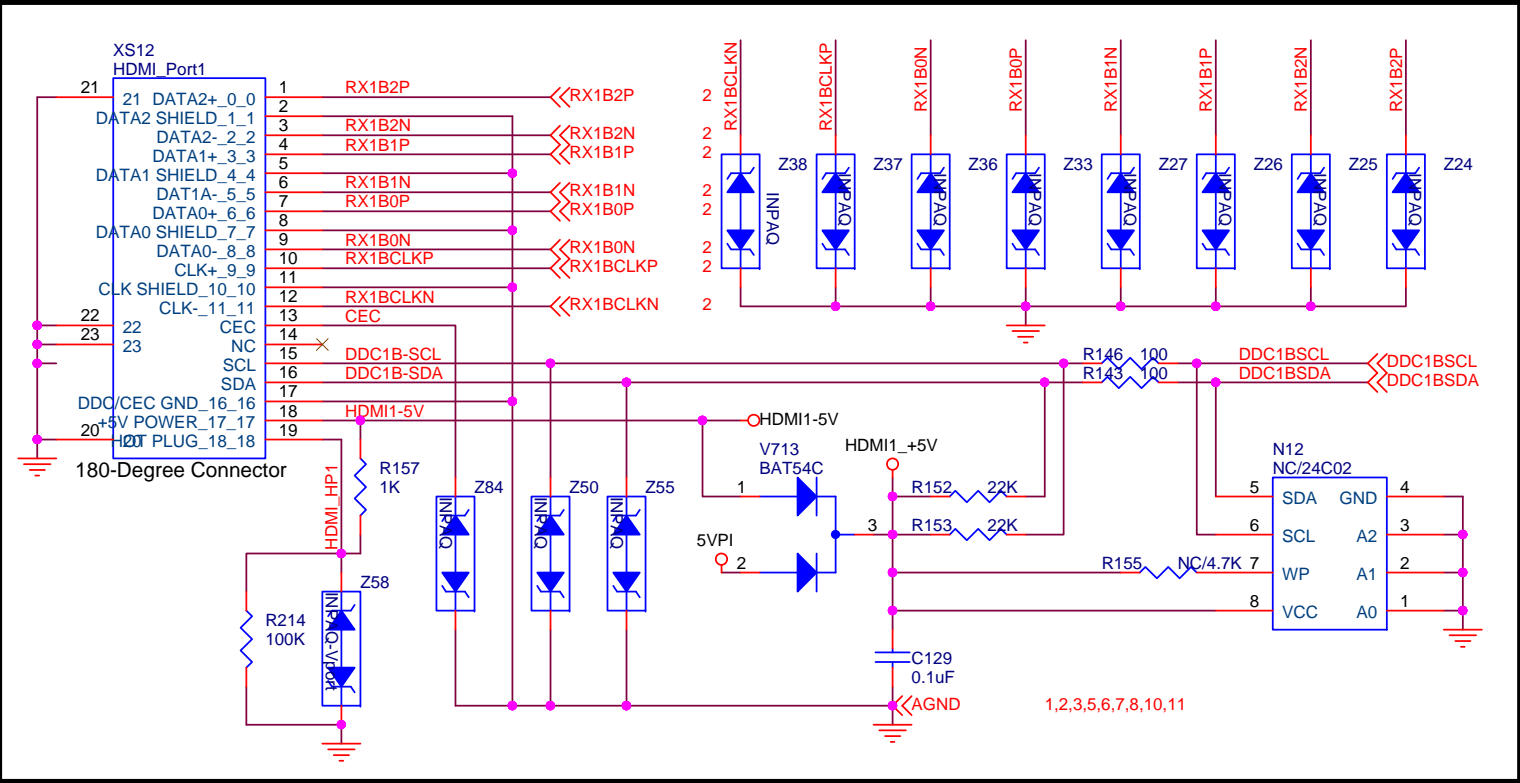
3

2

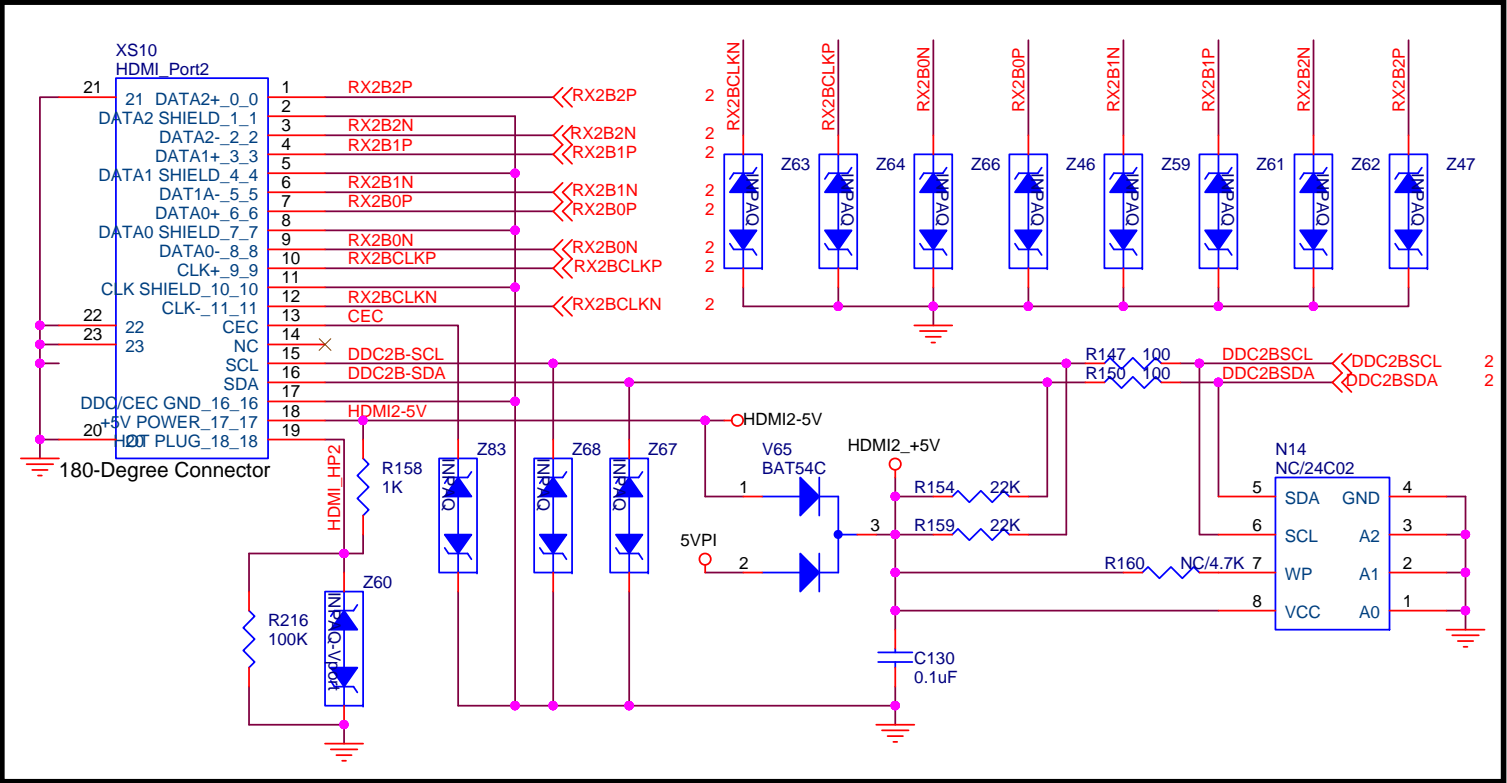
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Title		
MST6M68DQ_296_IC Demo board		
Size	Document Number	Rev
Custom	DDR2_32Bit	1.0
Date:	Wednesday, April 02, 2014	Sheet 3 of 12

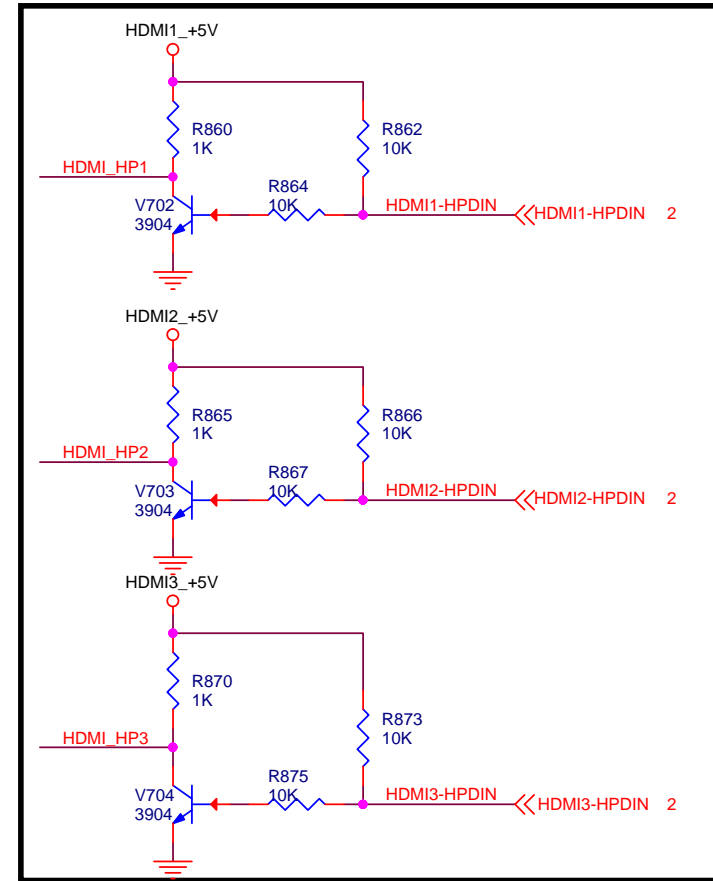
1st HDMI



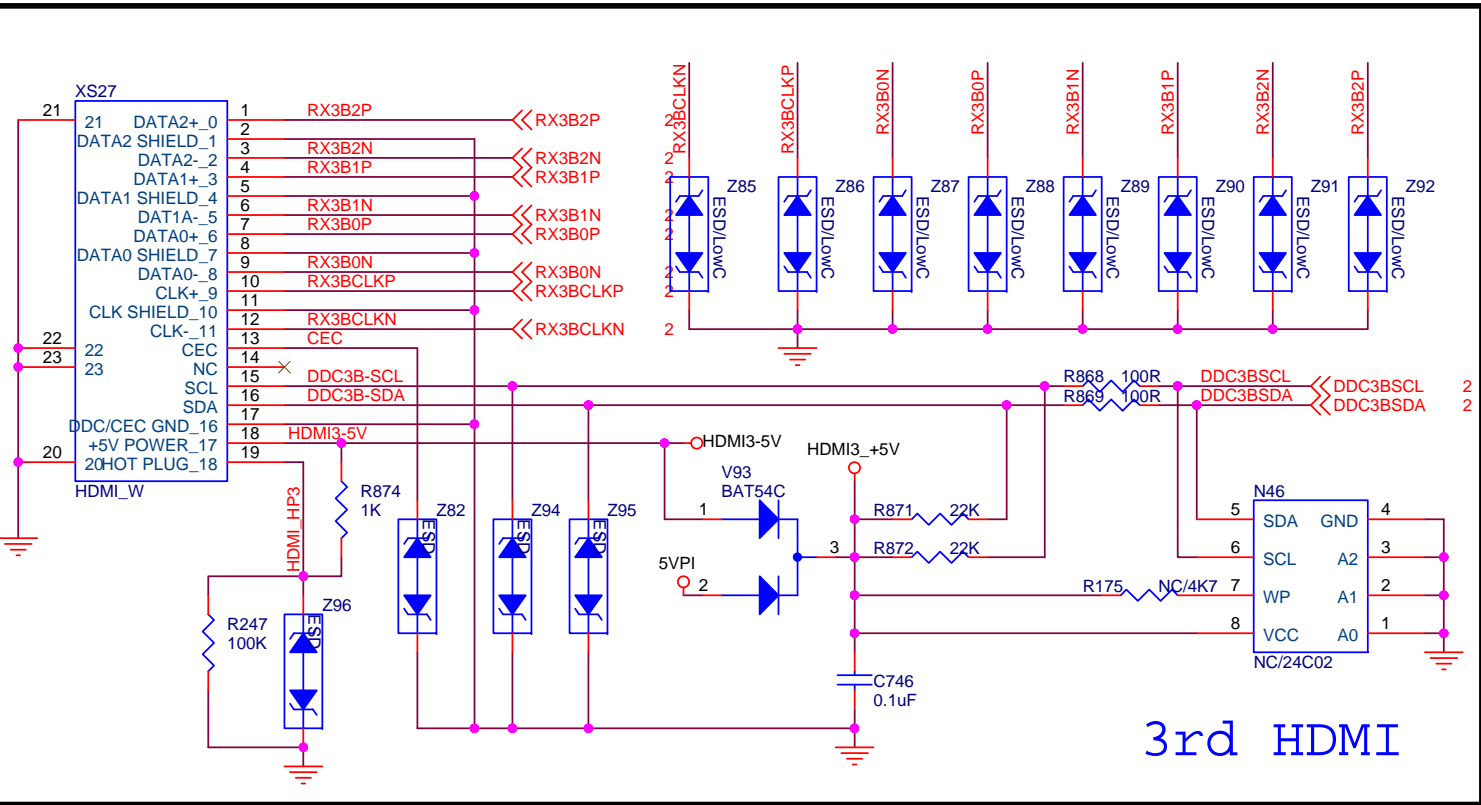
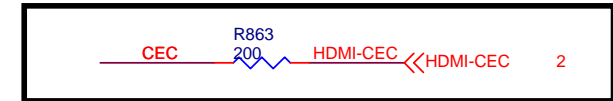
2nd HDMI



HDMI HOTPLUG

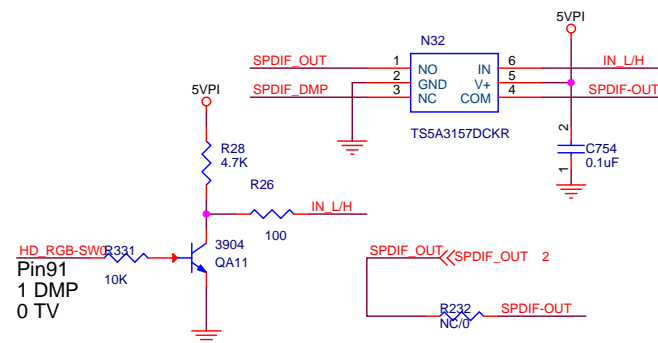
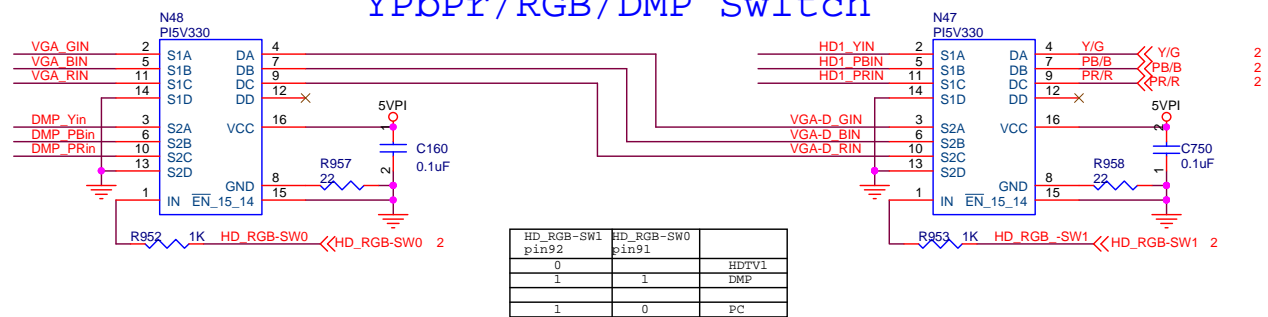
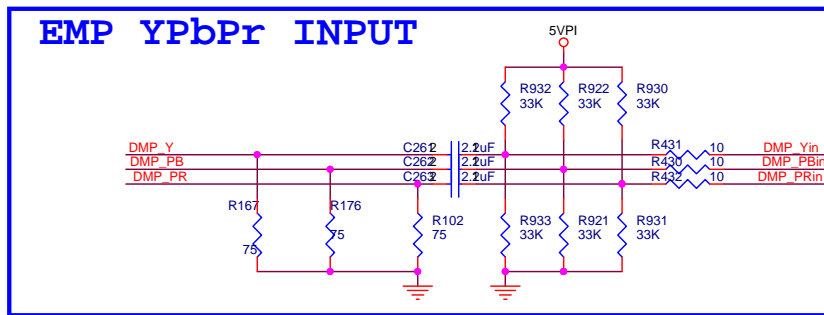
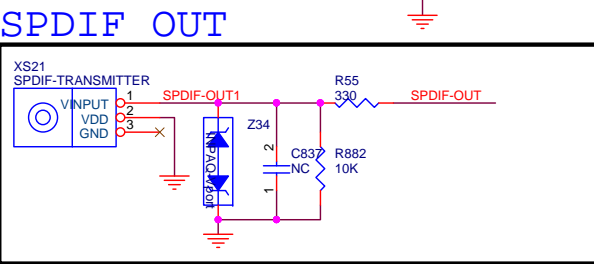
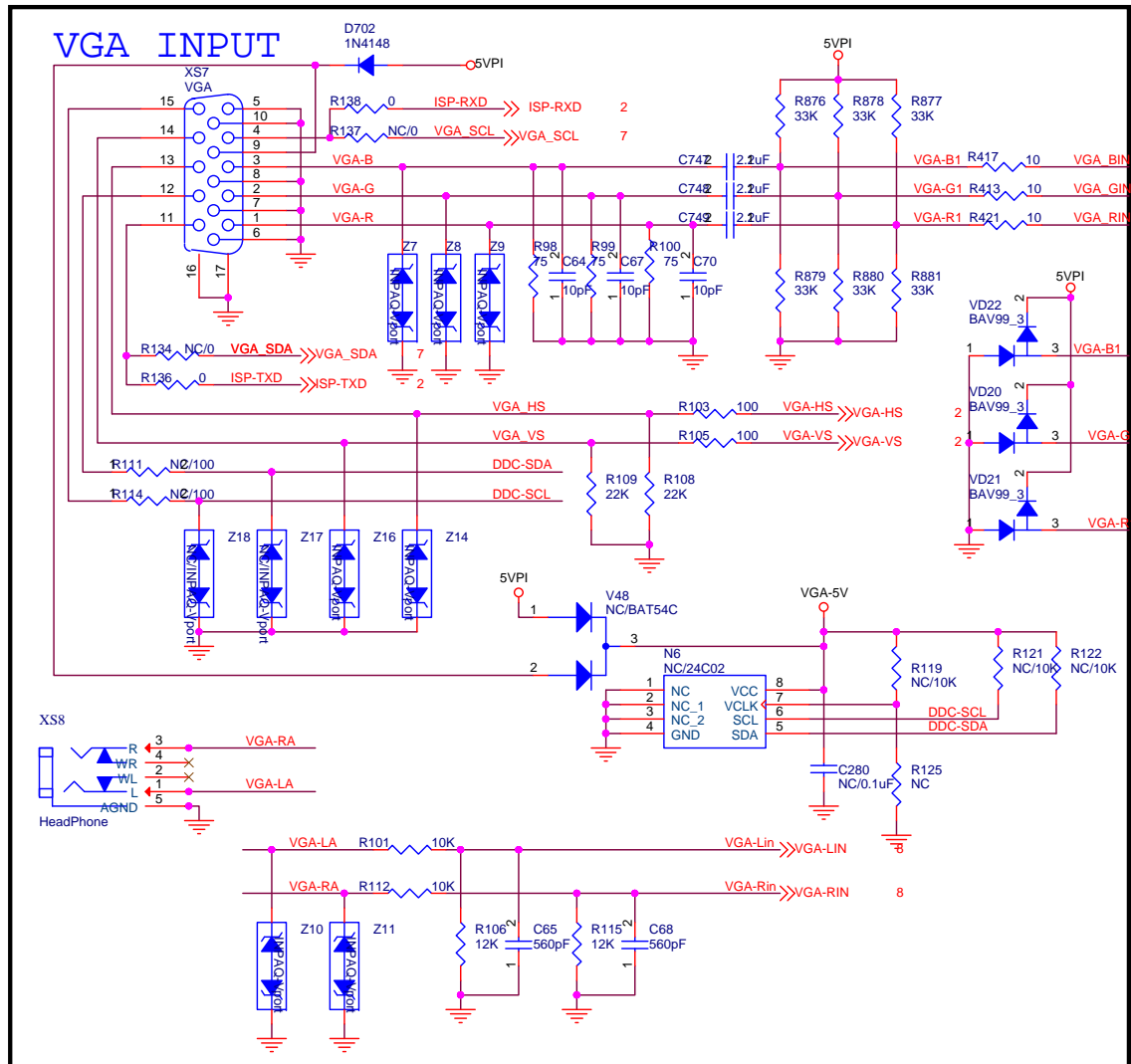
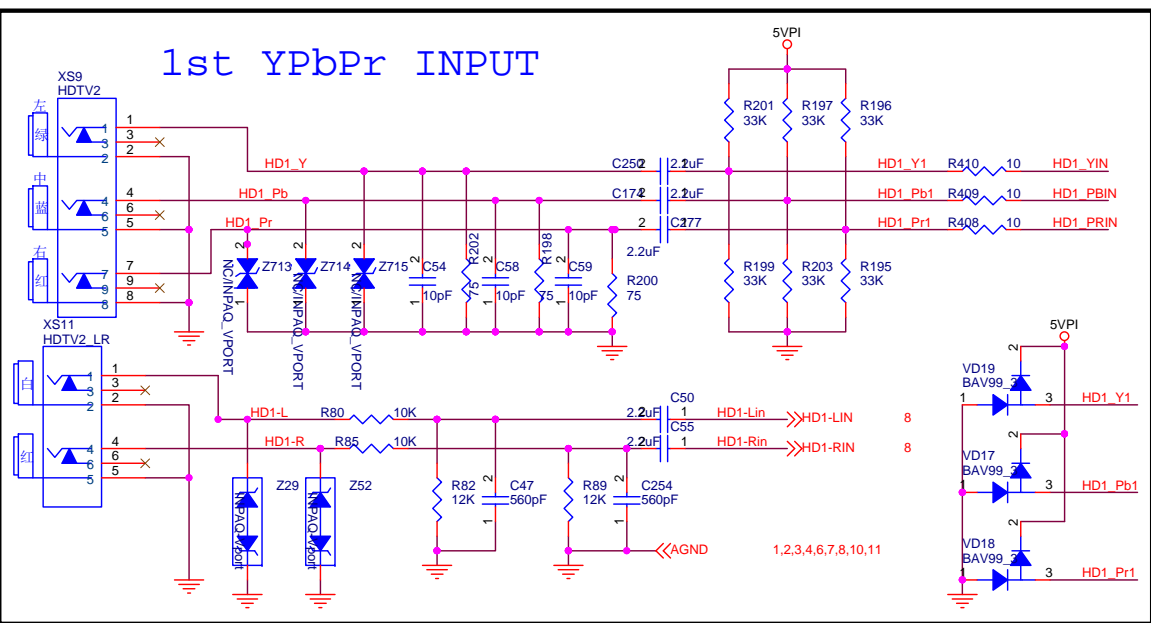


HDMI CEC



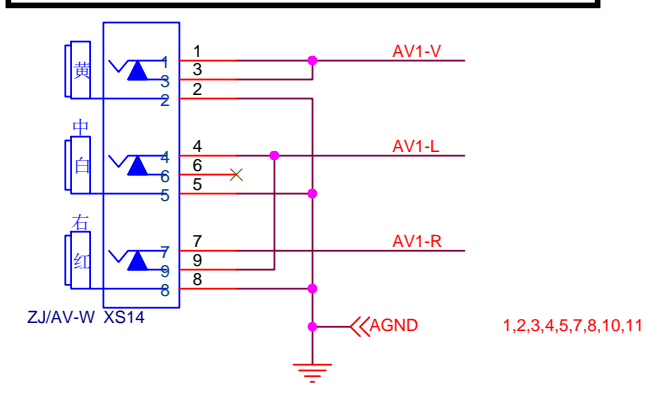
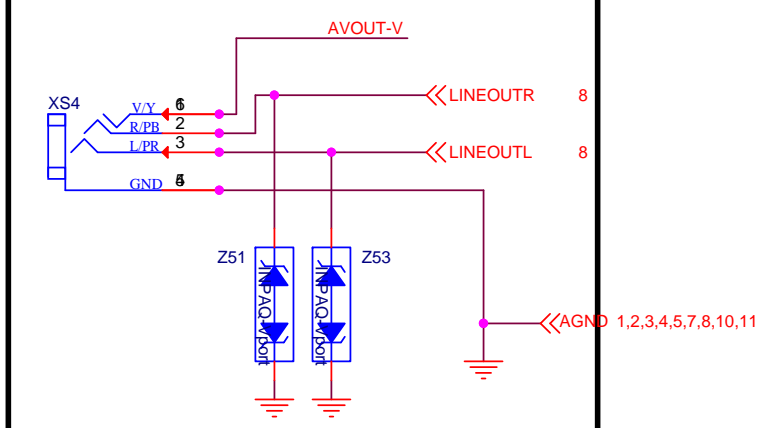
3rd HDMI

Title			
MST6M68DQ_296_IC Demo board			
Size	Document Number	Rev	
Custom	HDMI	1.0	
Date:	Wednesday, April 02, 2014	Sheet	4 of 12

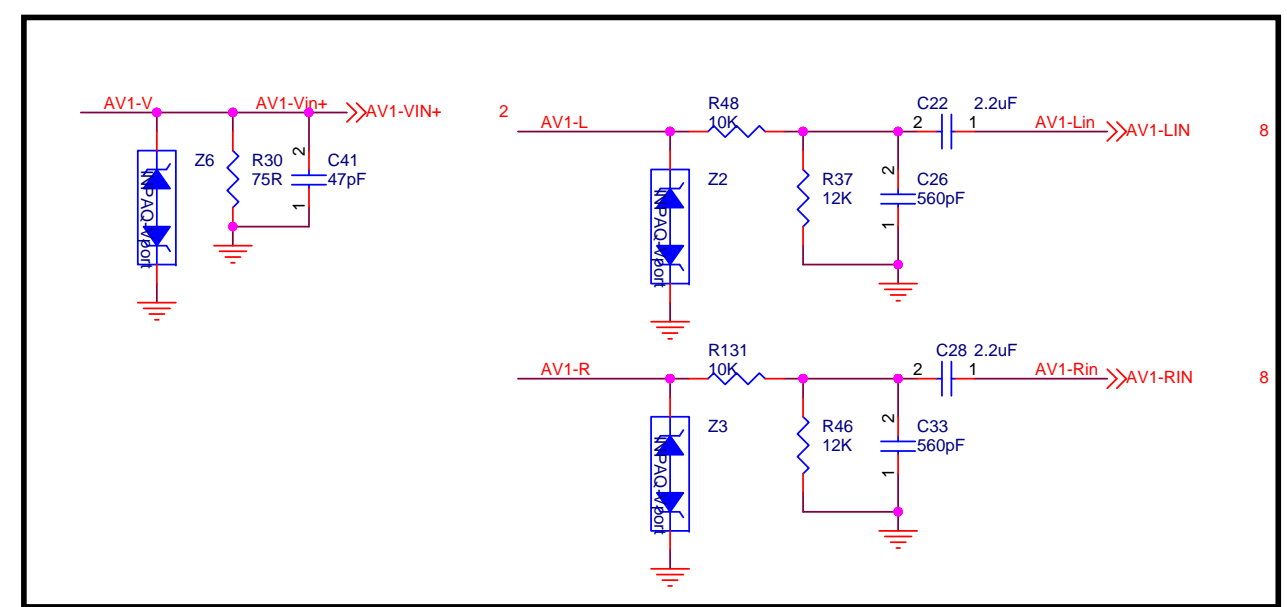


HD_RGB-SW1 pin92	HD_RGB-SW0 pin91	
0		HDTV1
1	1	DMP
1	0	PC

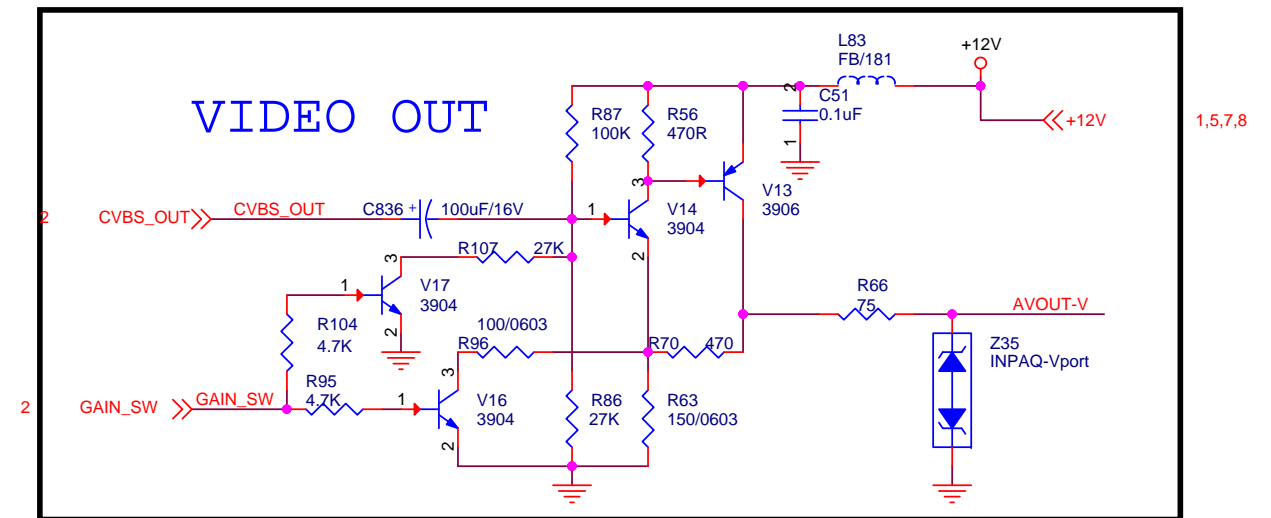
AV OUTPUT



Keep trace width_12mil+_
Keep AGND trace with signal

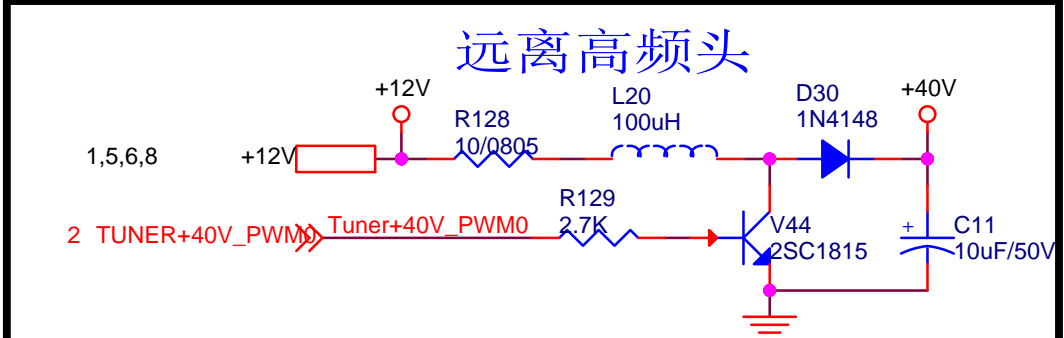


VIDEO OUT

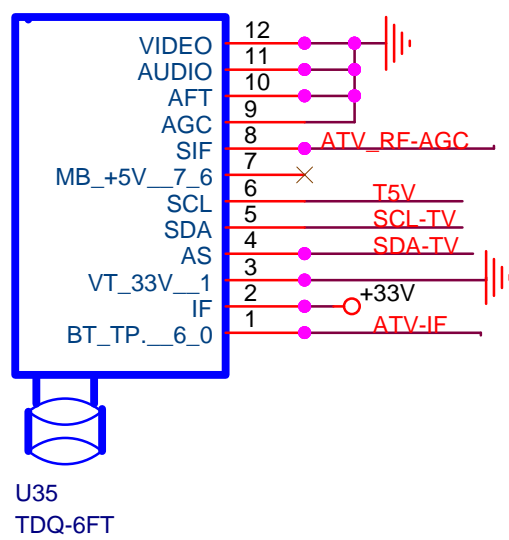
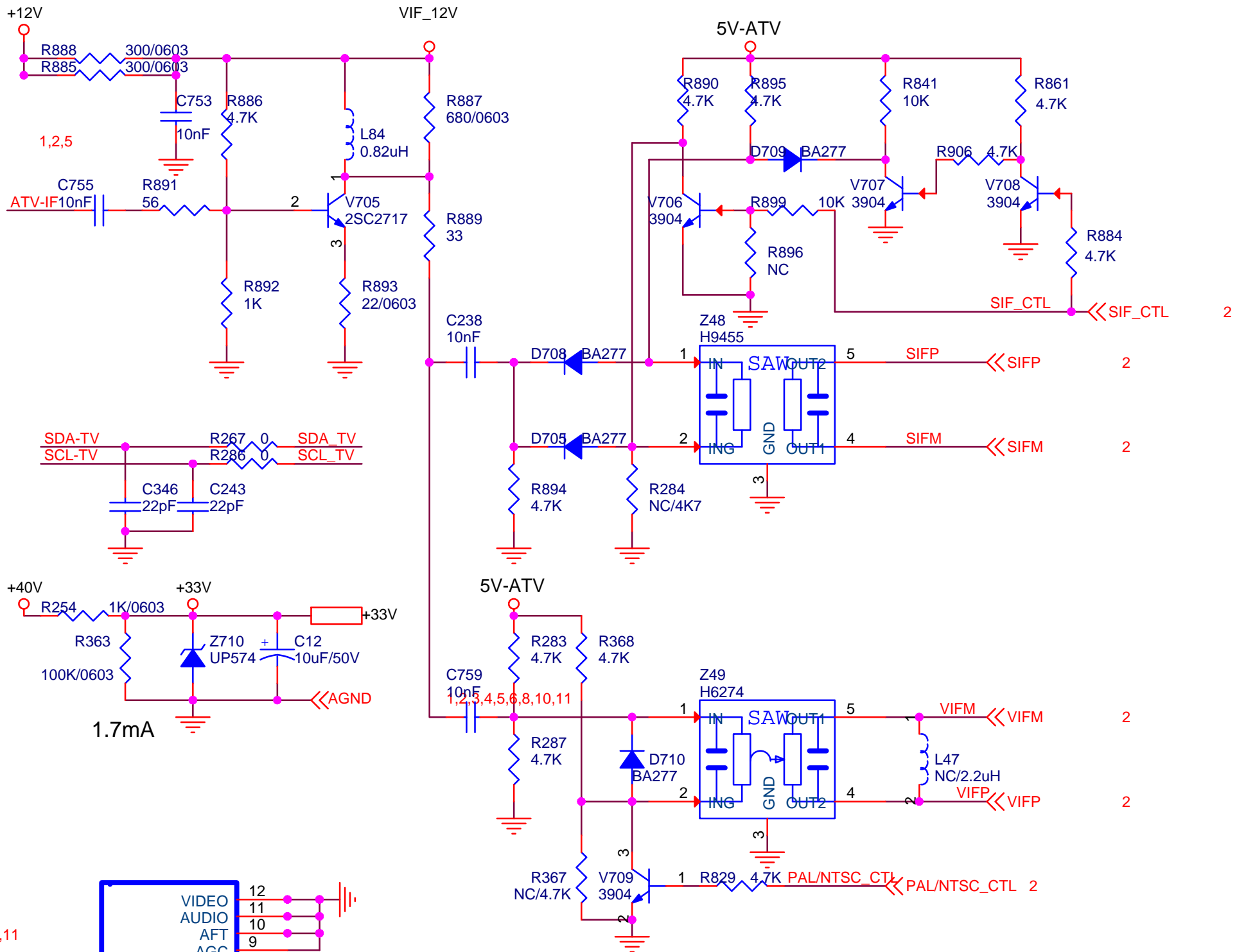
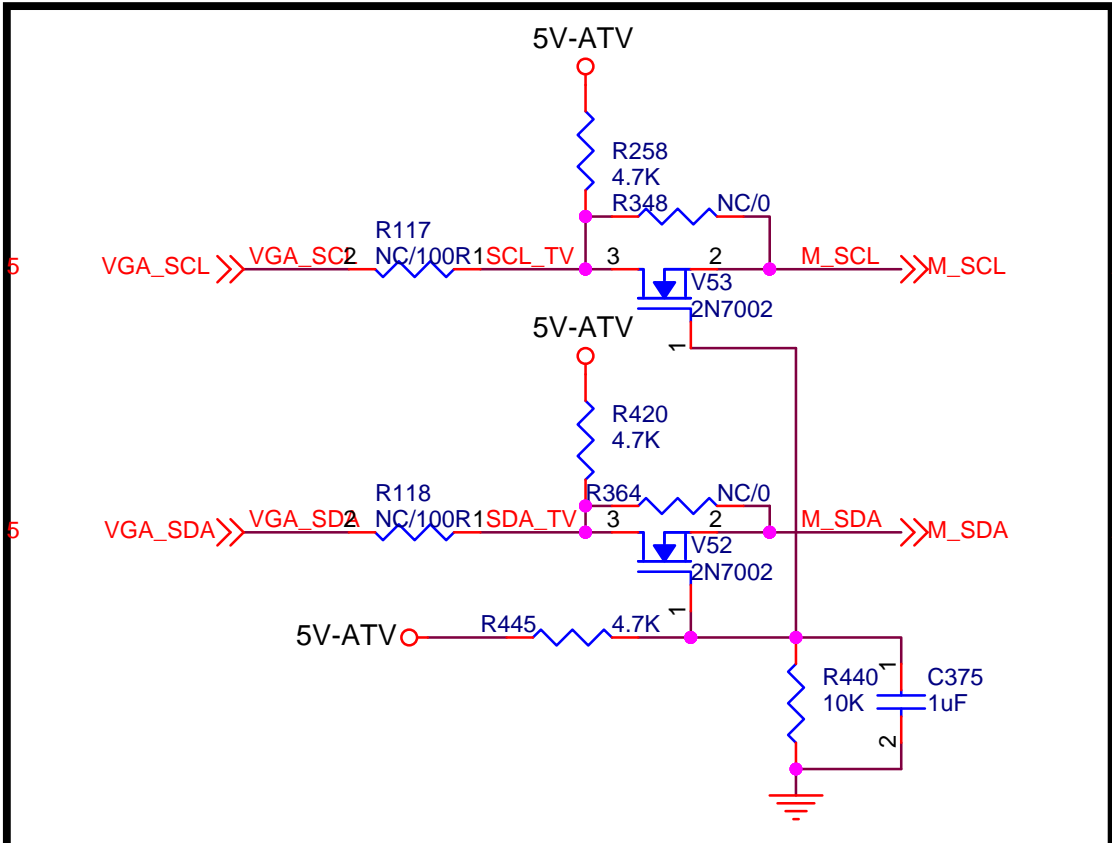


Title			
MST6M68DQ_296_IC Demo board			
Size	Document Number	Rev	
Custom	AVIN&OUT	1.0	
Date:	Wednesday, April 02, 2014	Sheet	6 of 12

+30V Tune Voltage

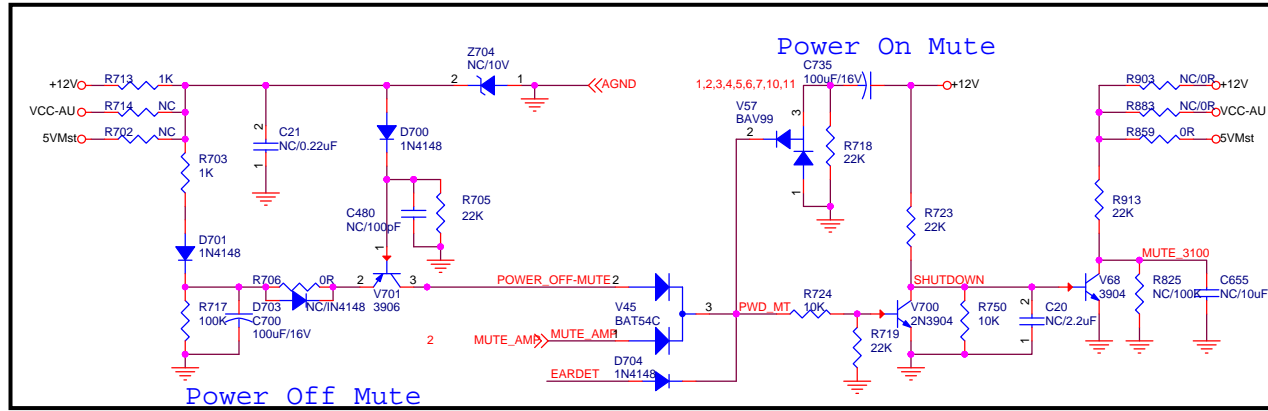


ATV Tuner I2C

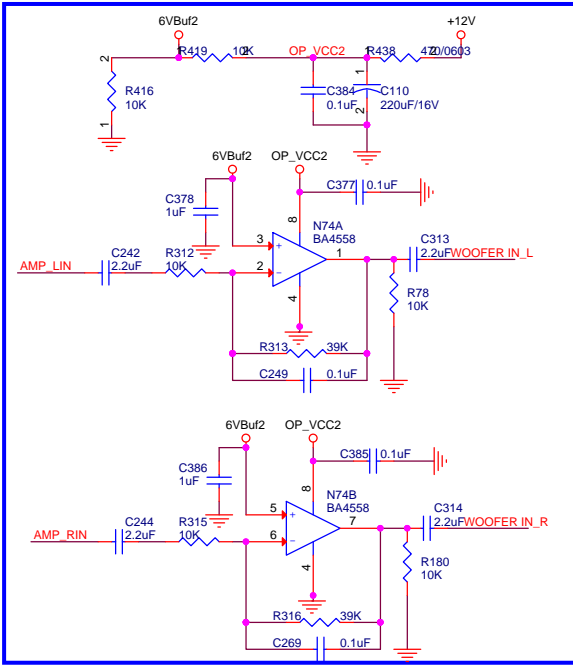
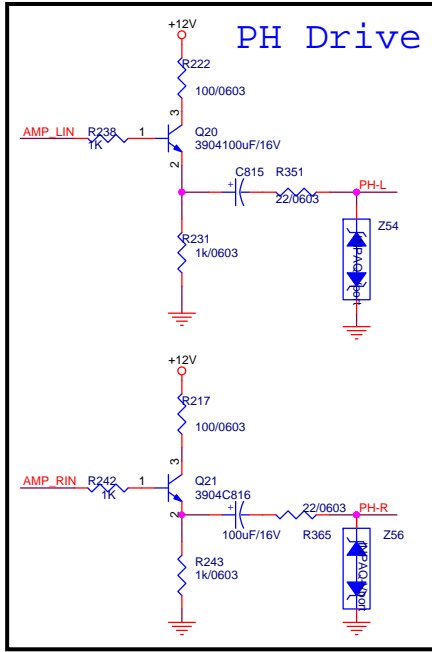
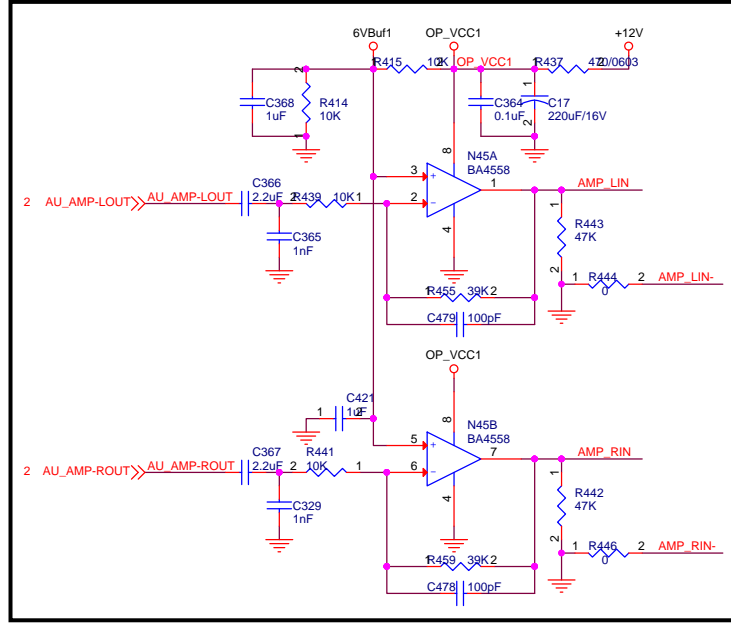


Title			MST6M68DQ_296_IC Demo board		
Size	Custom	Document Number	ATV		Rev 1.0
Date:	Wednesday, April 02, 2014		Sheet	7 of 12	

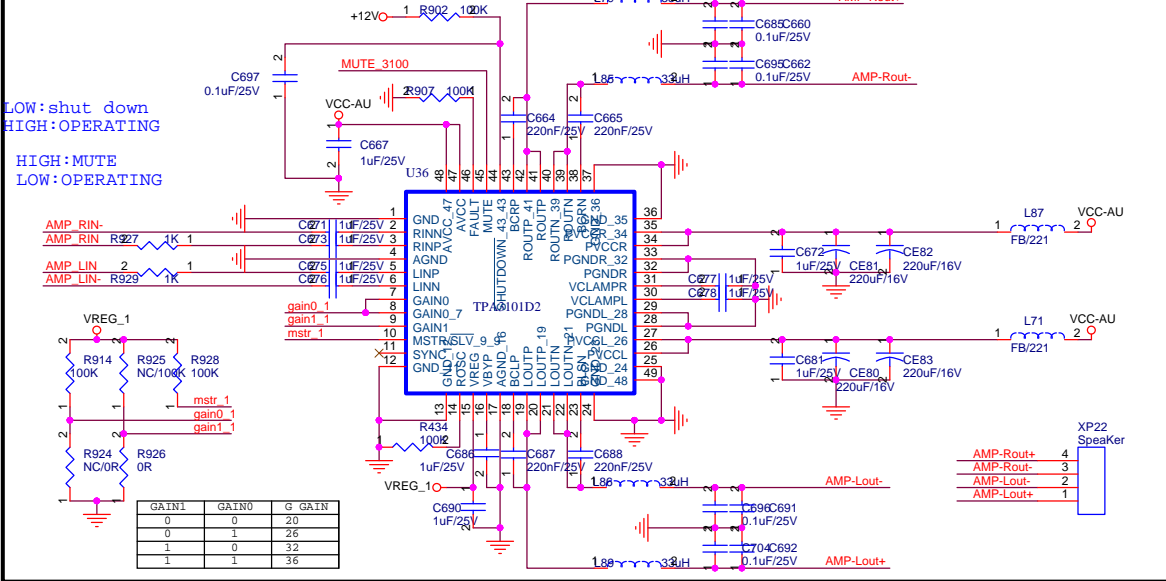
MUTE Circuit & Ear Phone



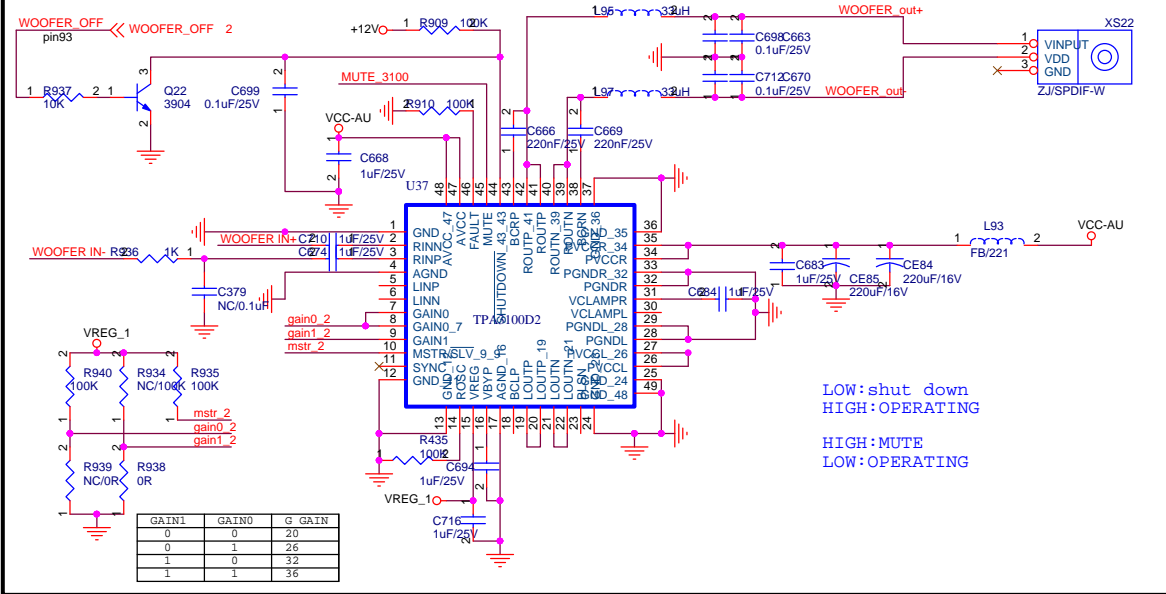
AUDIO OP



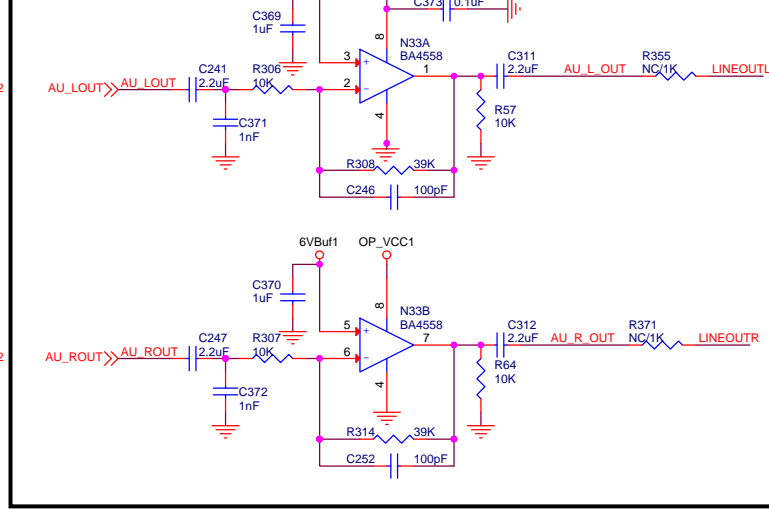
Audio AMP.



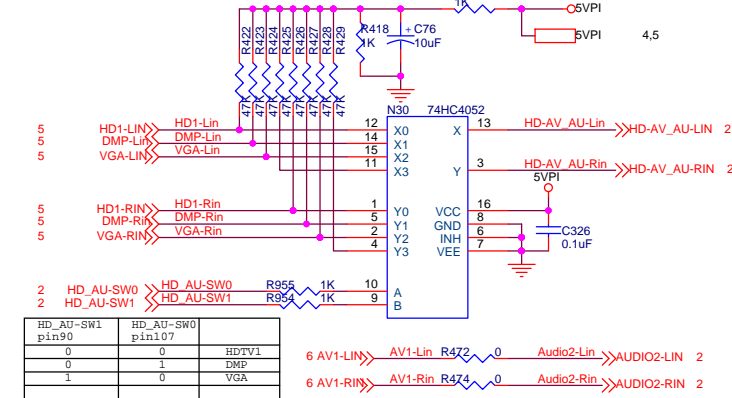
Audio AMP.



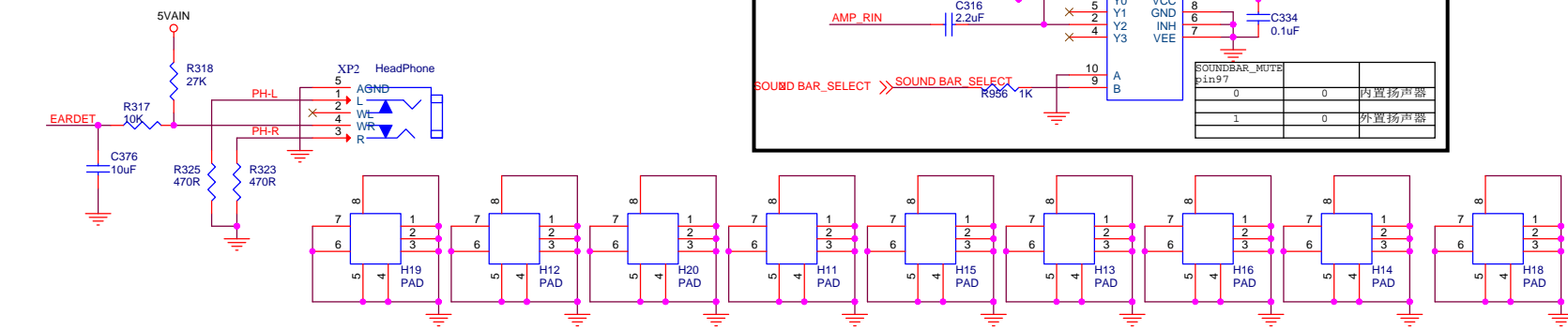
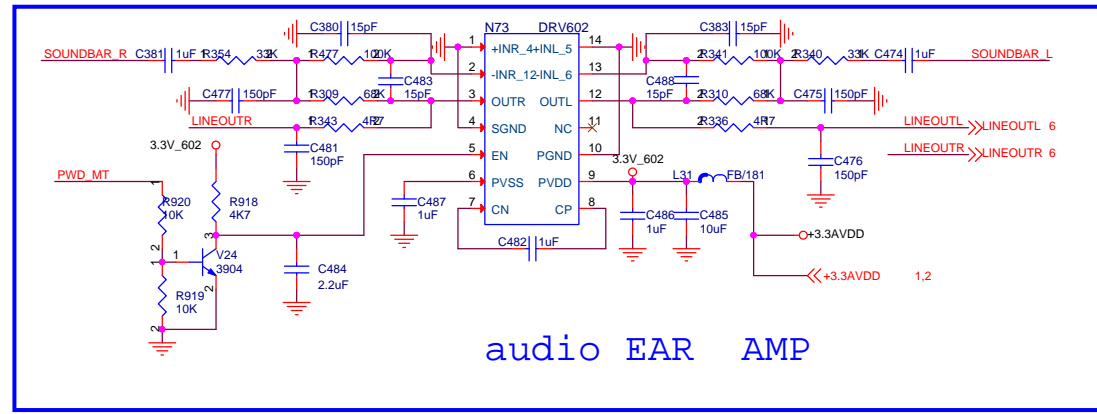
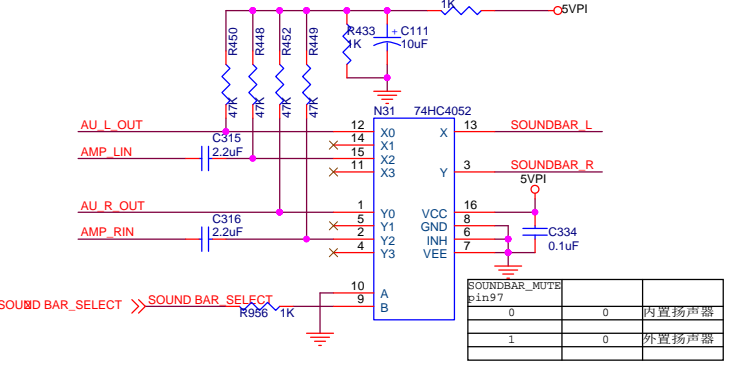
Audio Line out

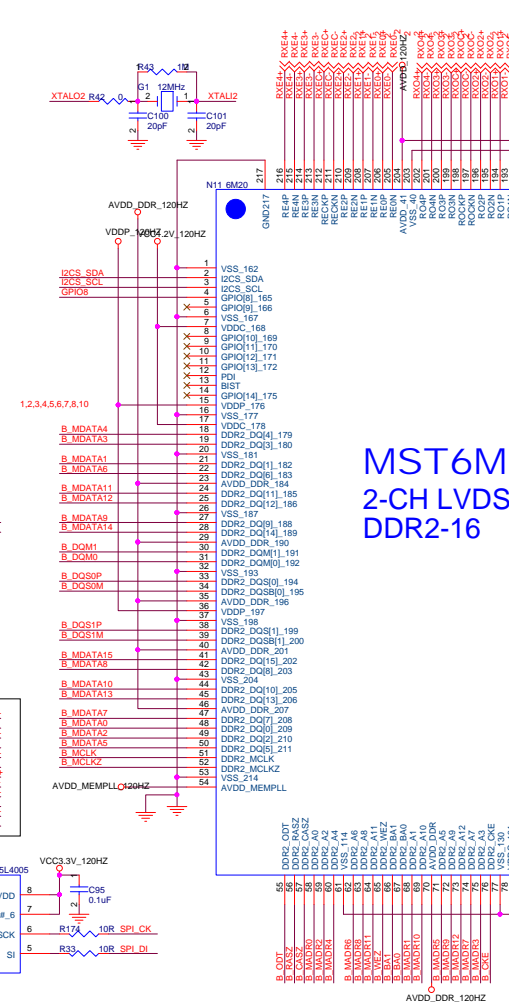
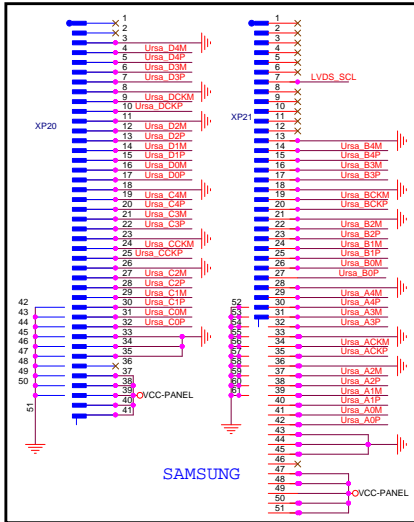
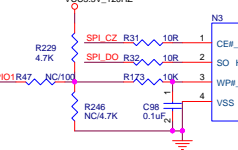
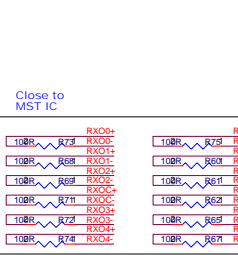
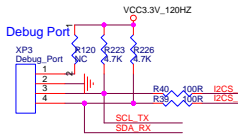
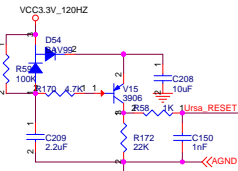
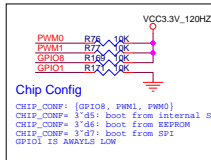


Audio Input Switch

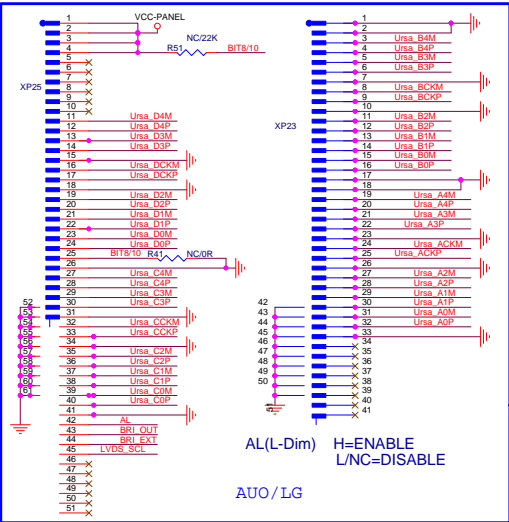


内置、外置扬声器选择

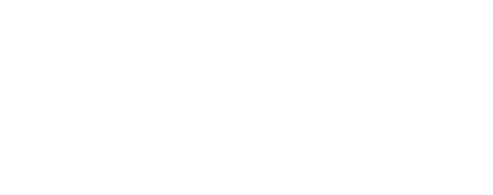
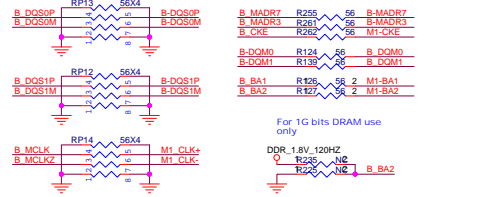
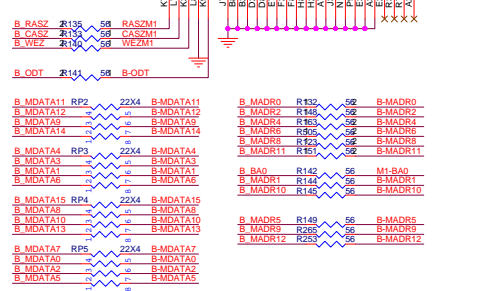
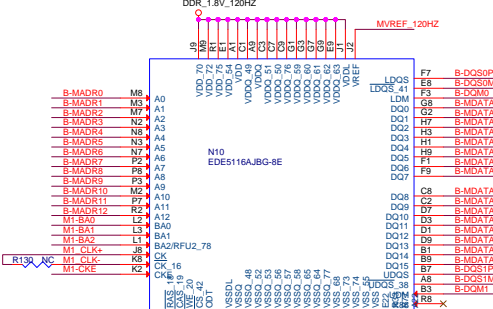
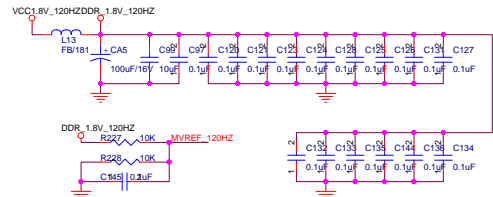




MST6M20S 216P
2-CH LVDS in / 4-CH LVDS out
DDR2-16



AL(L-Dim)
H-ENABLE
L/NC=DISABLE
AUO / LG



- 1、2010-1-14 耳机静音电路改为POWER OFF MUTE；
- 2、2010-1-15 调整L3 L4封装；
- 3、2010-1-16 增加L101 FB/121；
- 4、2010-1-18 增加R941 10K
- 5、2010-1-18 增加SOUND BAR选择问题，将主通道切换到AV输出（增加4052）。
- 6、2010-1-30 将1206封装电感改为0805。