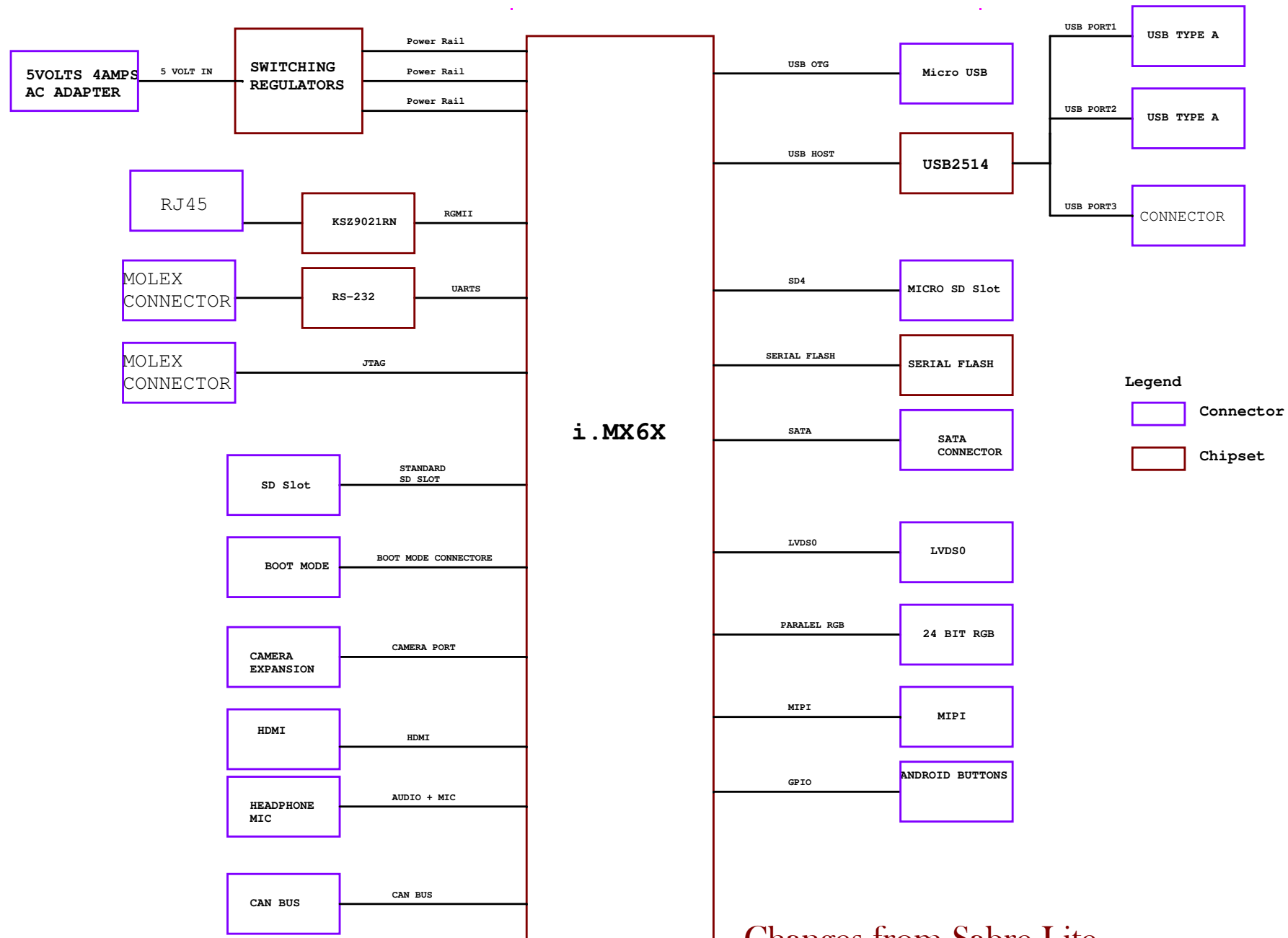


SABER LITE REV-D



Legend

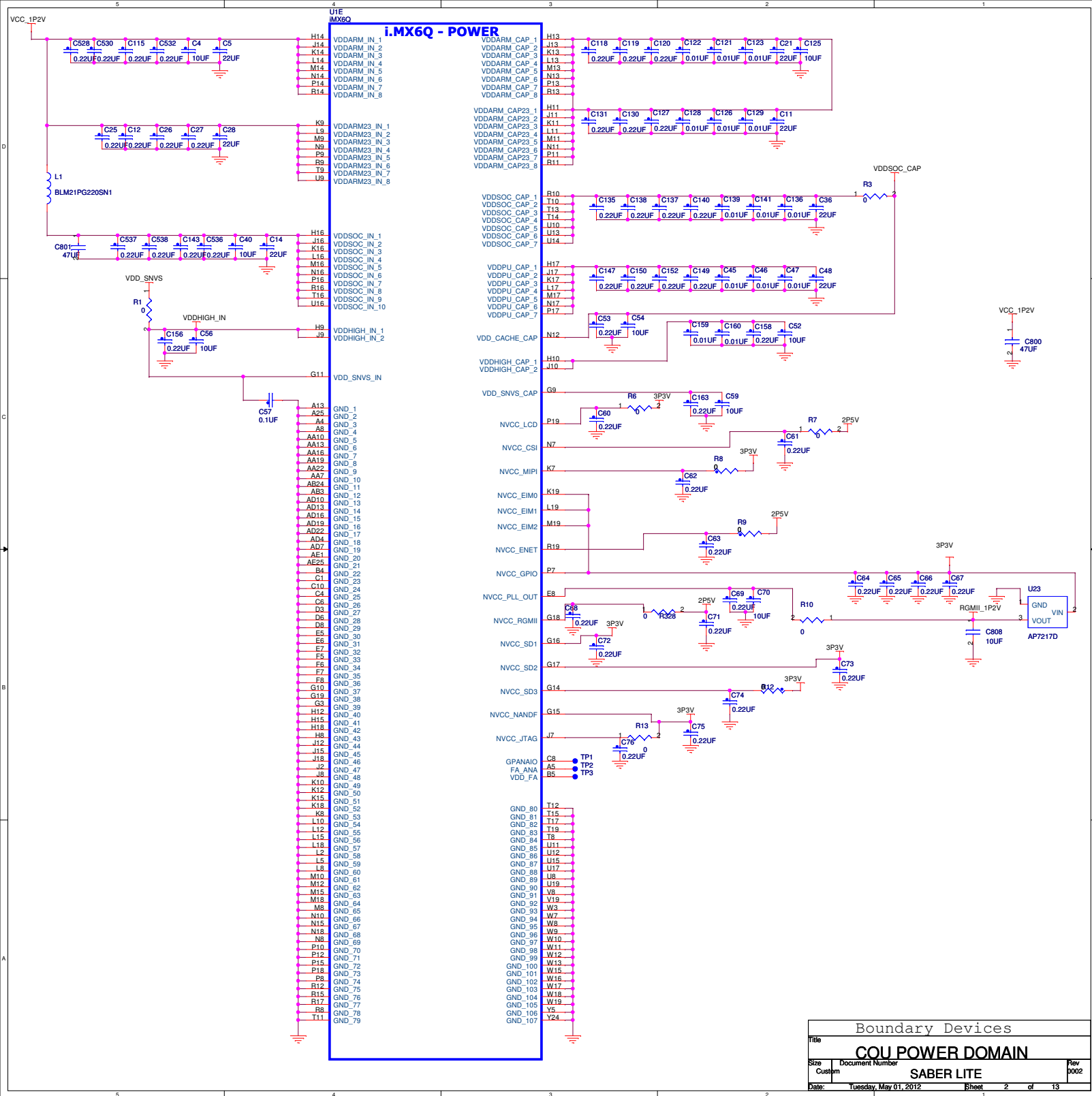
Connector

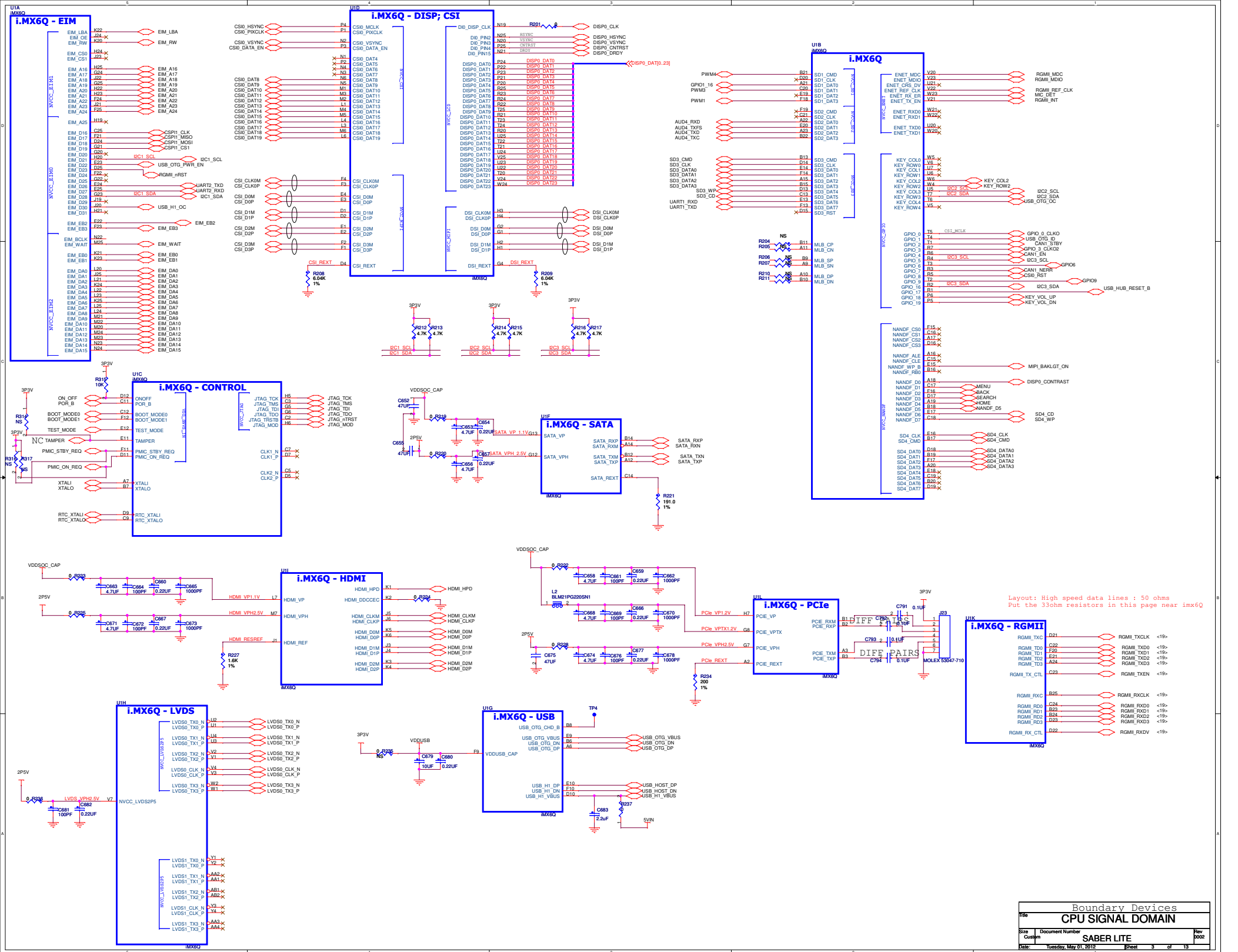
Chipset

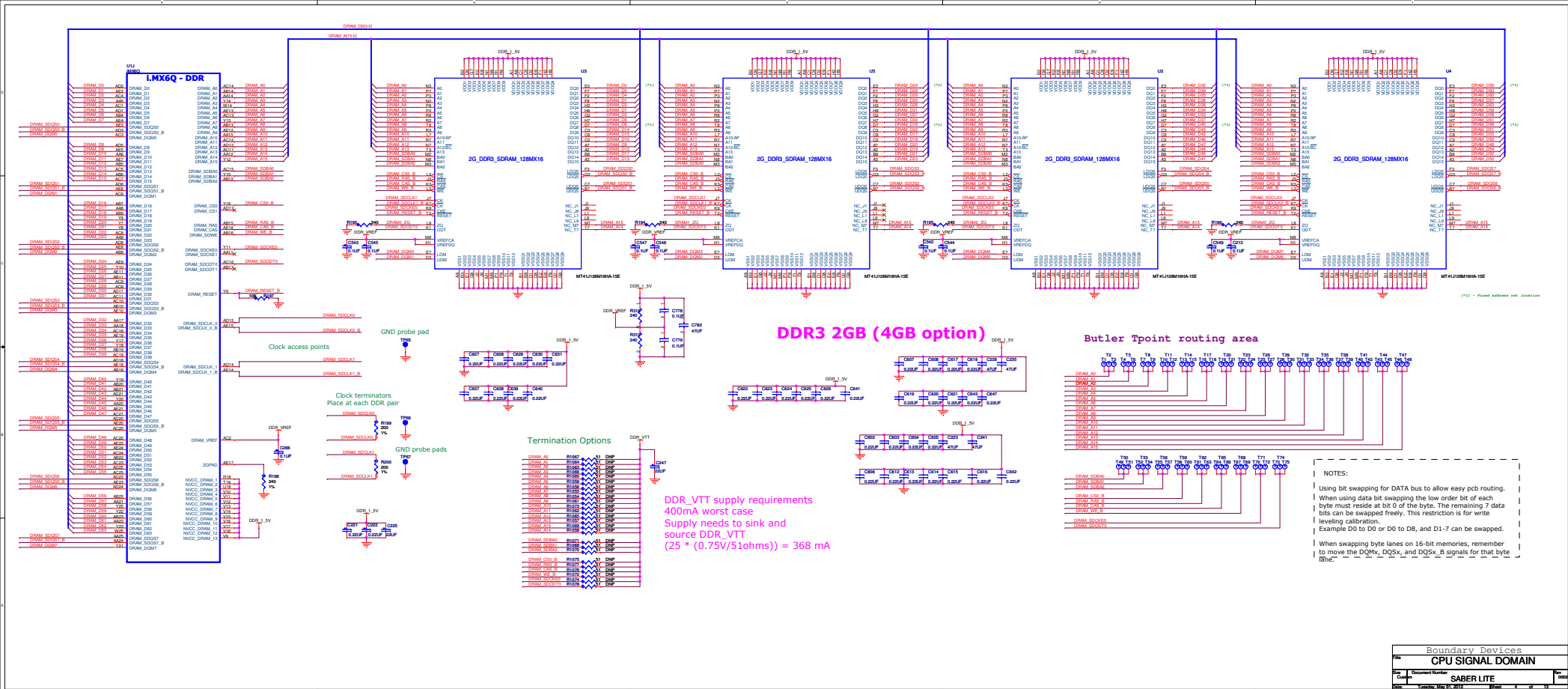
Changes from Sabre Lite

- 1)REPLACED THE 1.2 VOLT POWER FOR "NVCC_PLL_OUT" WITH LINEAR REGULATOR U23
- 2)REPLACED THE CAN CONTRROLLER WITH NXP TJA1040T U18
- 3)MODIFIED J24A TO SUPPORT GIGA BIT ETHERNET

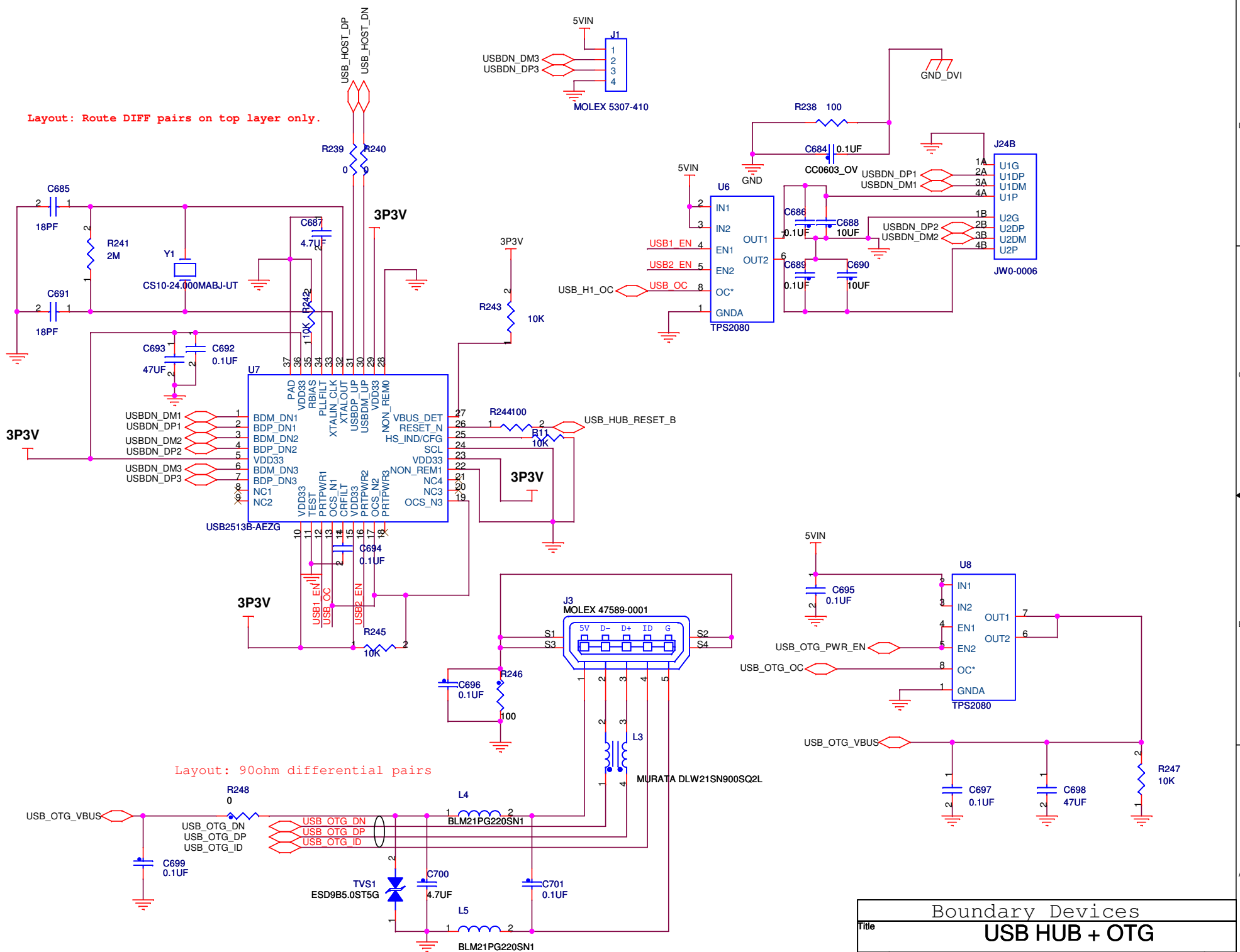
Boundary Devices			
Title	EVK BLOCK DIAGRAM		
Size	Document Number	Rev	
C	SABER LITE REV2	0001	
Date:	Wednesday, May 02, 2012	Sheet	1 of 13







Layout: Route DIFF pairs on top layer only.

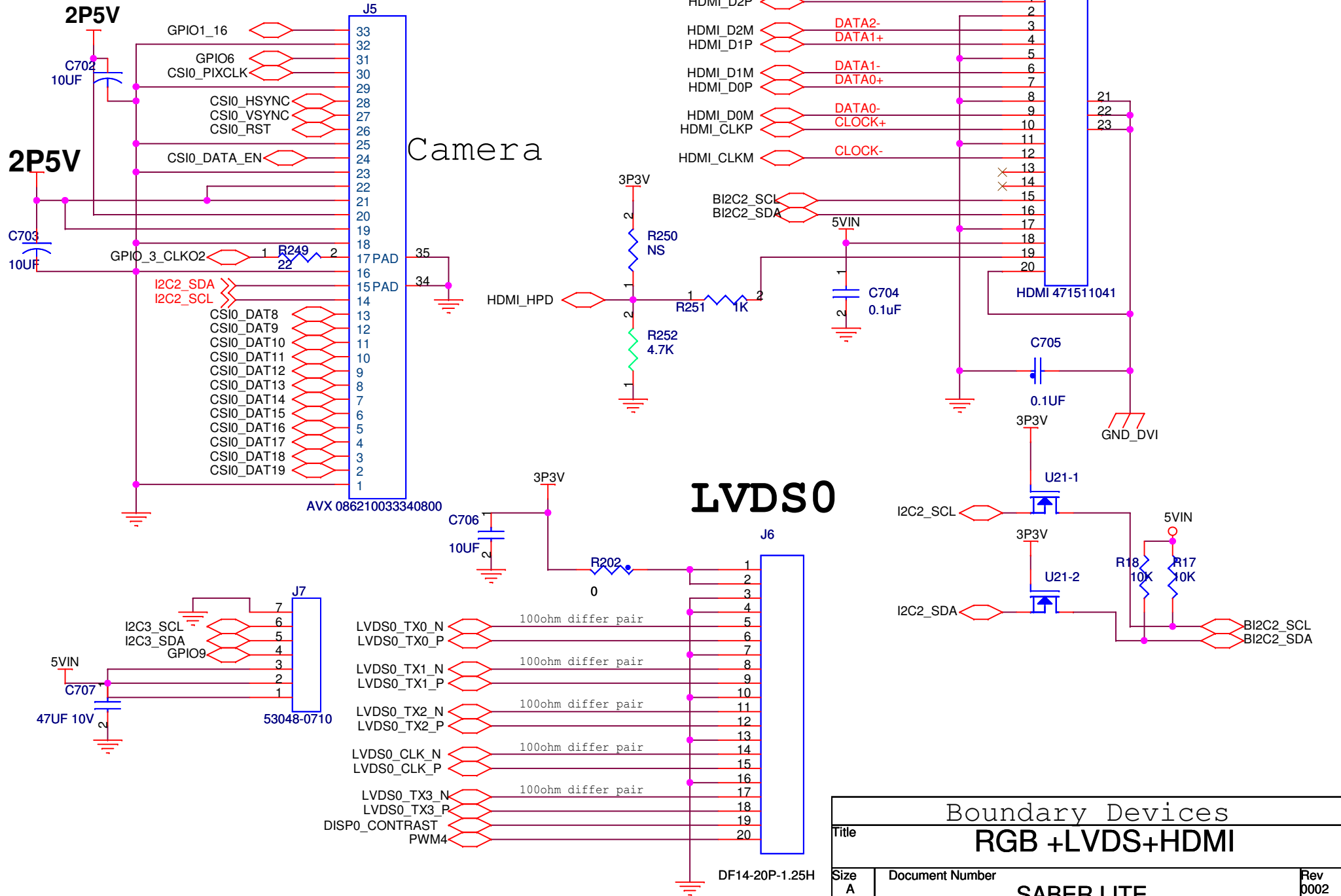


Layout: 90ohm differential pairs

Boundary Devices			
Title USB HUB + OTG			
Size Custom	Document Number SABER LITE		Rev 0002
Date:	Tuesday, May 01, 2012	Sheet	5 of 13

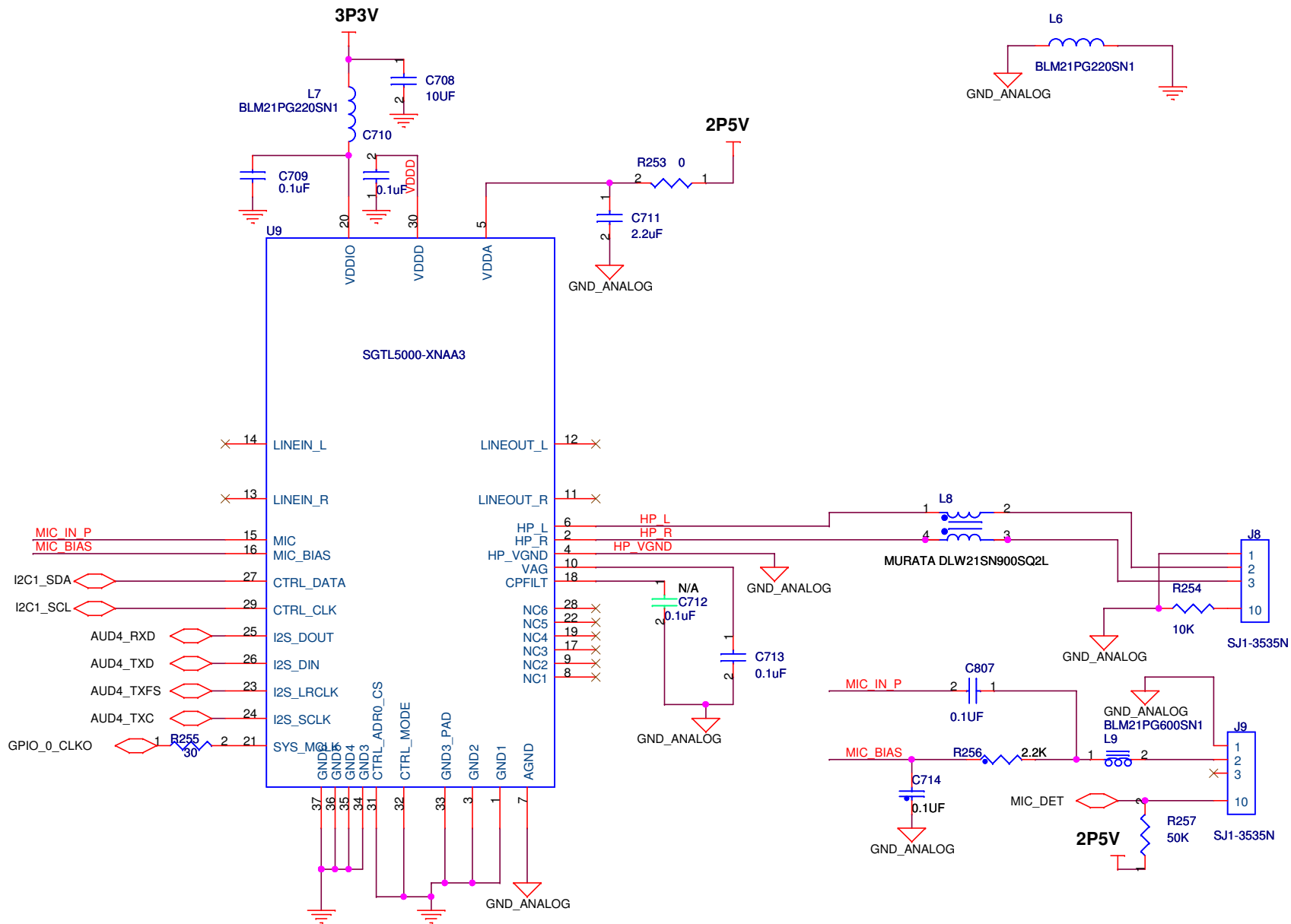
CMOS Sensor

Layout: HDMI 100 ohm differential pairs

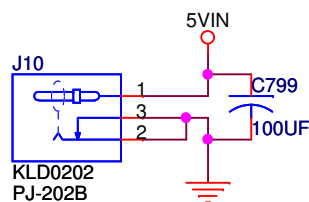
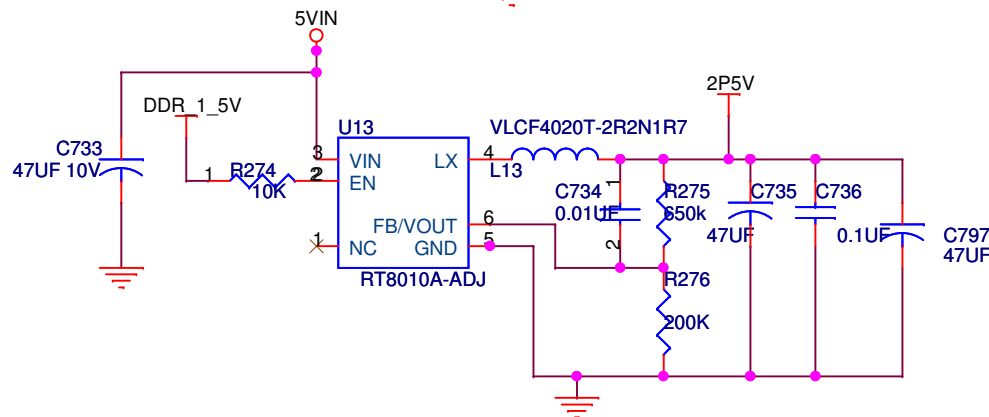
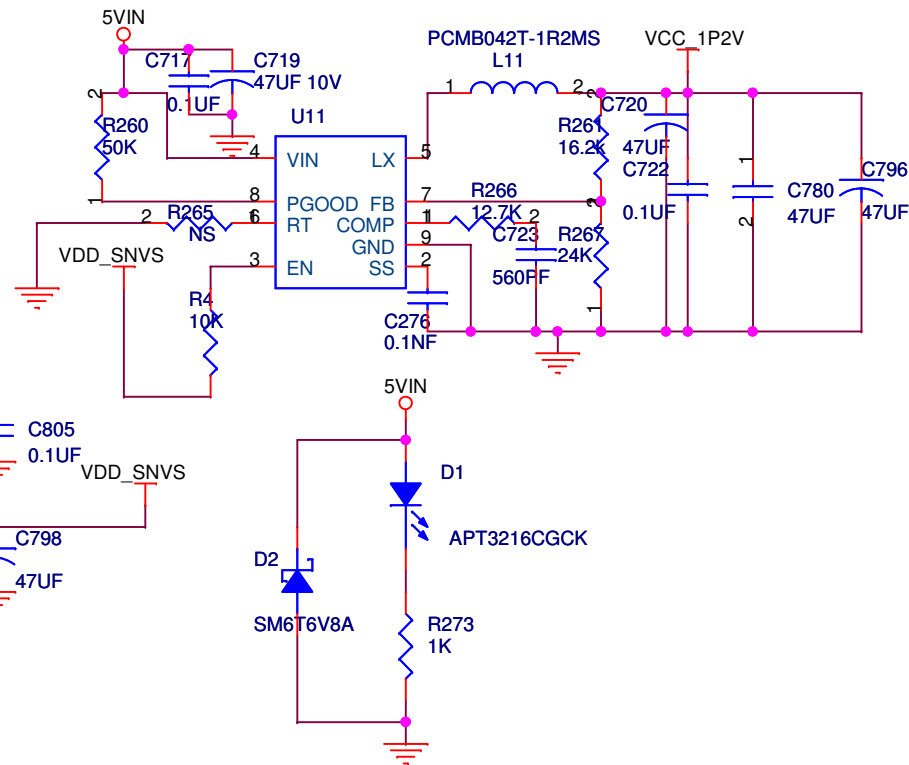
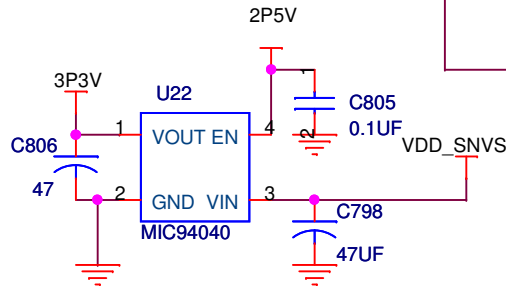
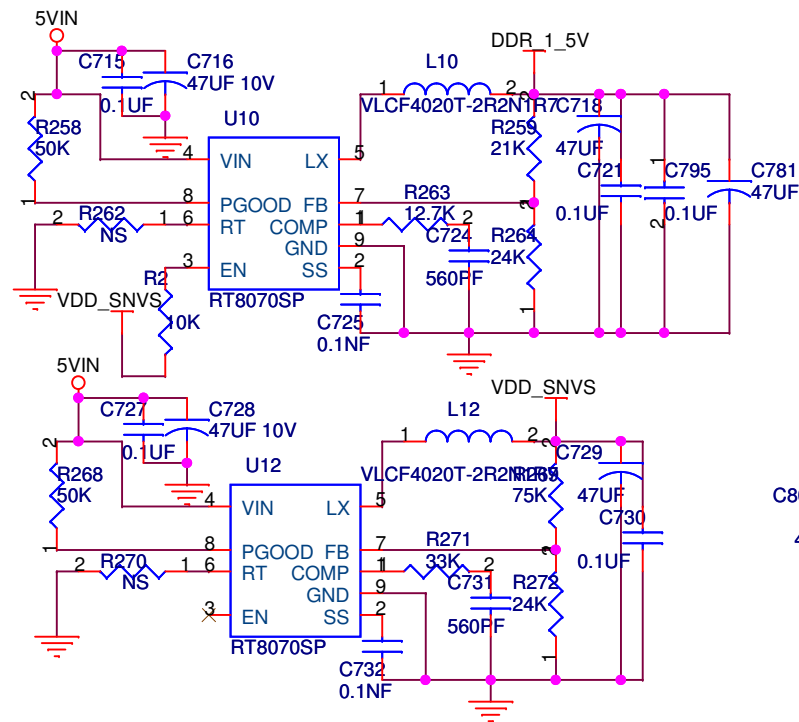


Boundary Devices

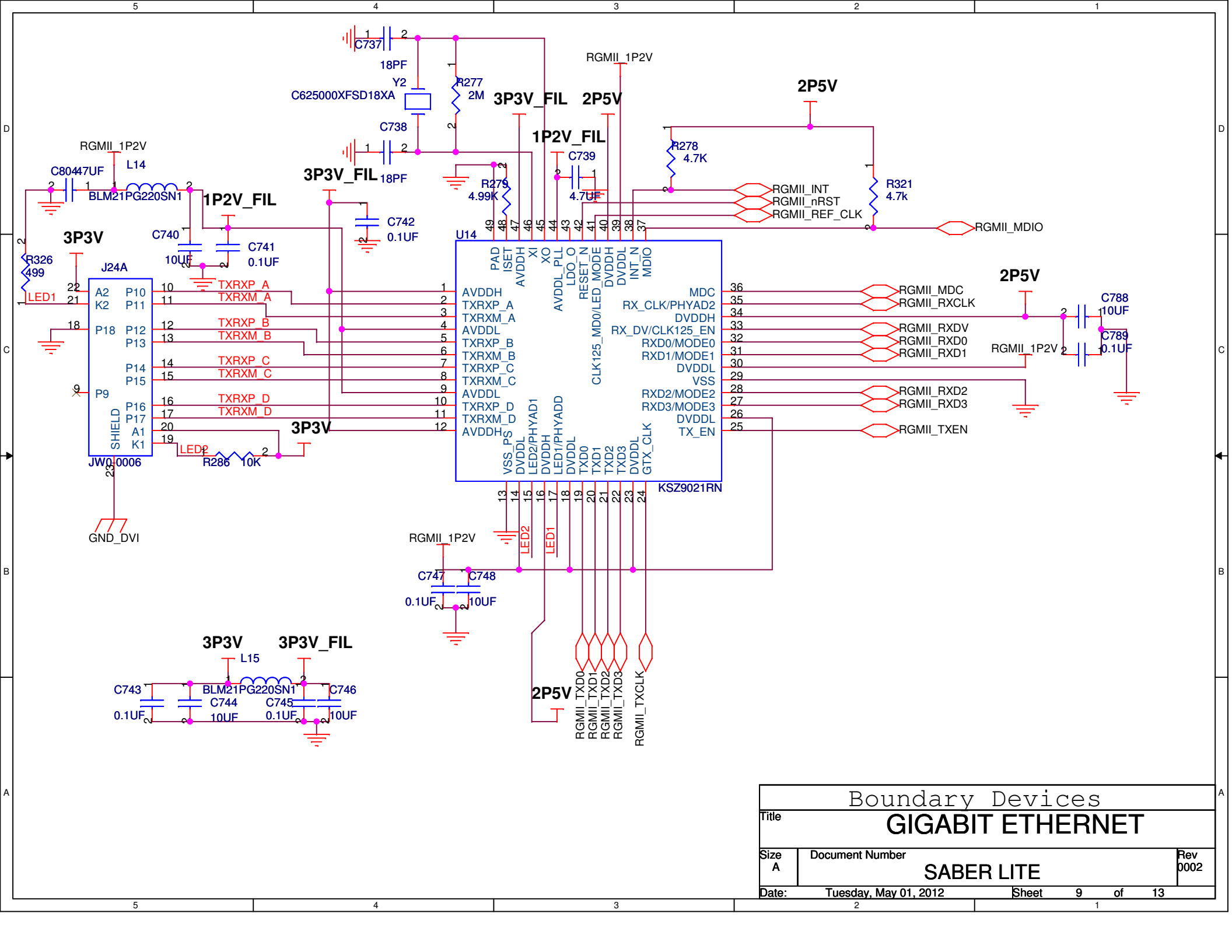
Title		
RGB +LVDS+HDMI		
Size	Document Number	Rev
A	SABER LITE	0002
Date:	Tuesday, May 01, 2012	Sheet 6 of 13



Boundary Devices			
Title			
AUDIO			
Size	Document Number		Rev
Custom	SABER LITE		0002
Date:	Tuesday, May 01, 2012		Sheet 7 of 13

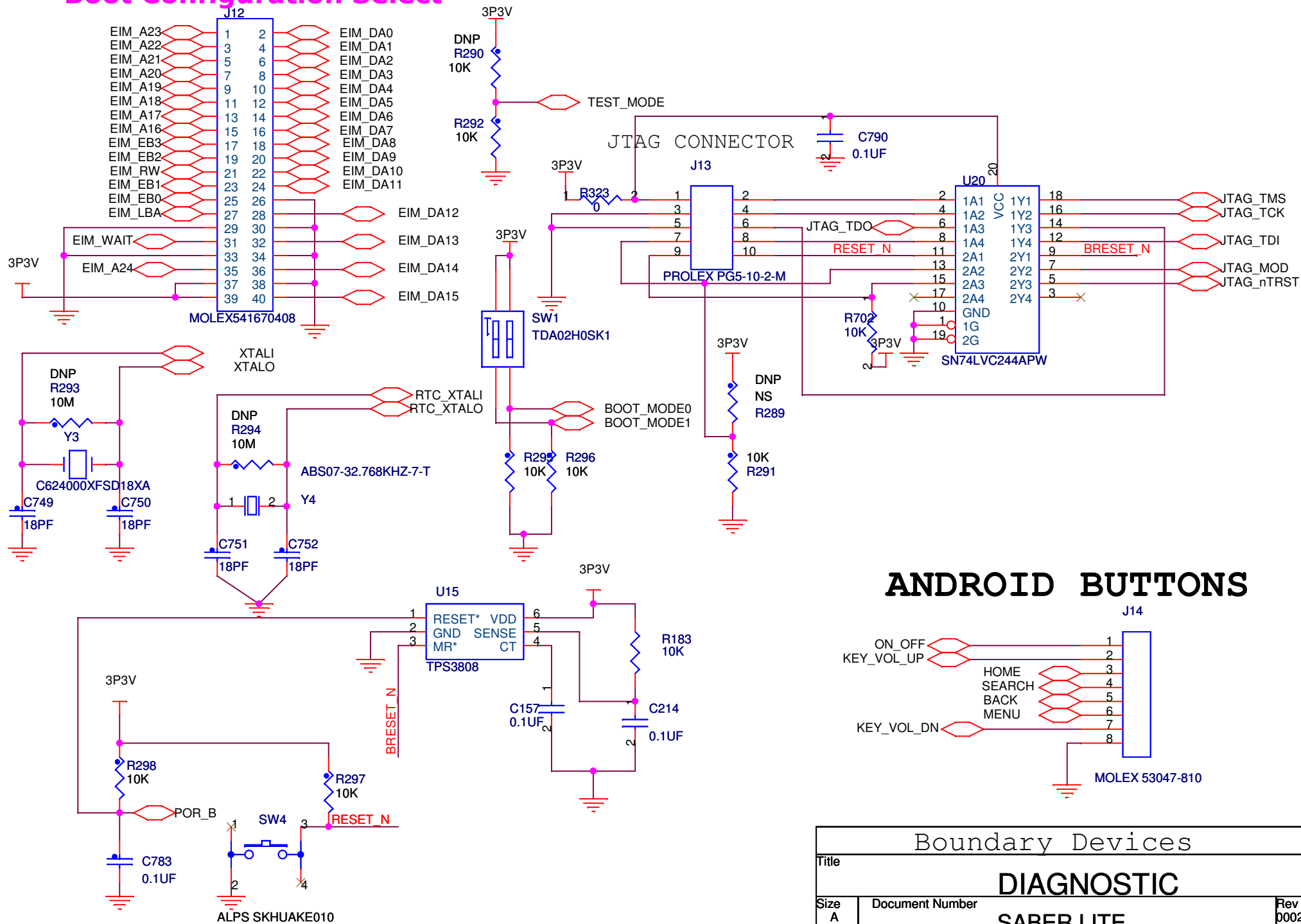


Boundary Devices			
Title			
SYSTEM POWER			
Size A	Document Number		Rev 0002
SABER LITE			
Date:	Tuesday, May 01, 2012	Sheet 8 of 13	



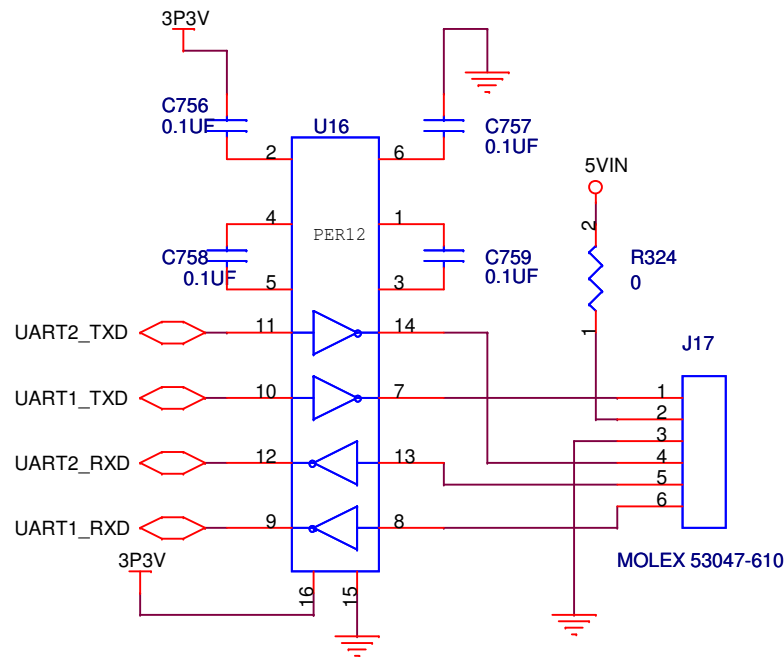
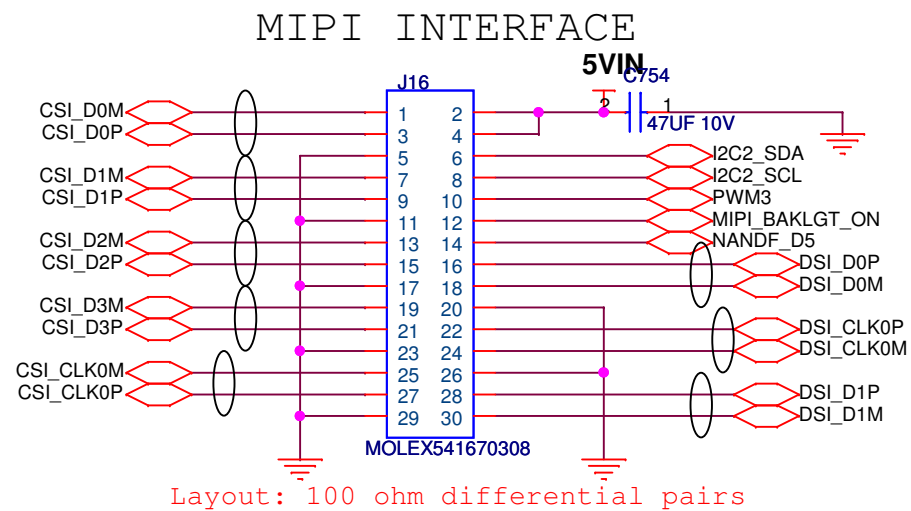
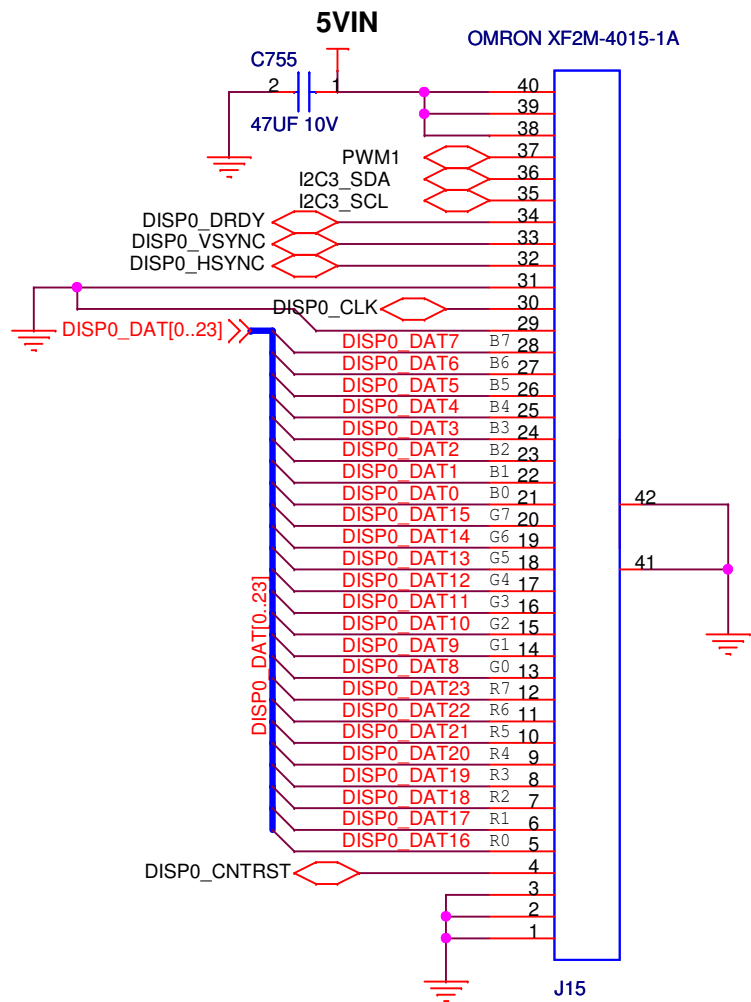
Boundary Devices		
Title		
GIGABIT ETHERNET		
Size	Document Number	Rev
A	SABER LITE	0002
Date:	Tuesday, May 01, 2012	Sheet 9 of 13

Boot Configuration Select



ANDROID BUTTONS

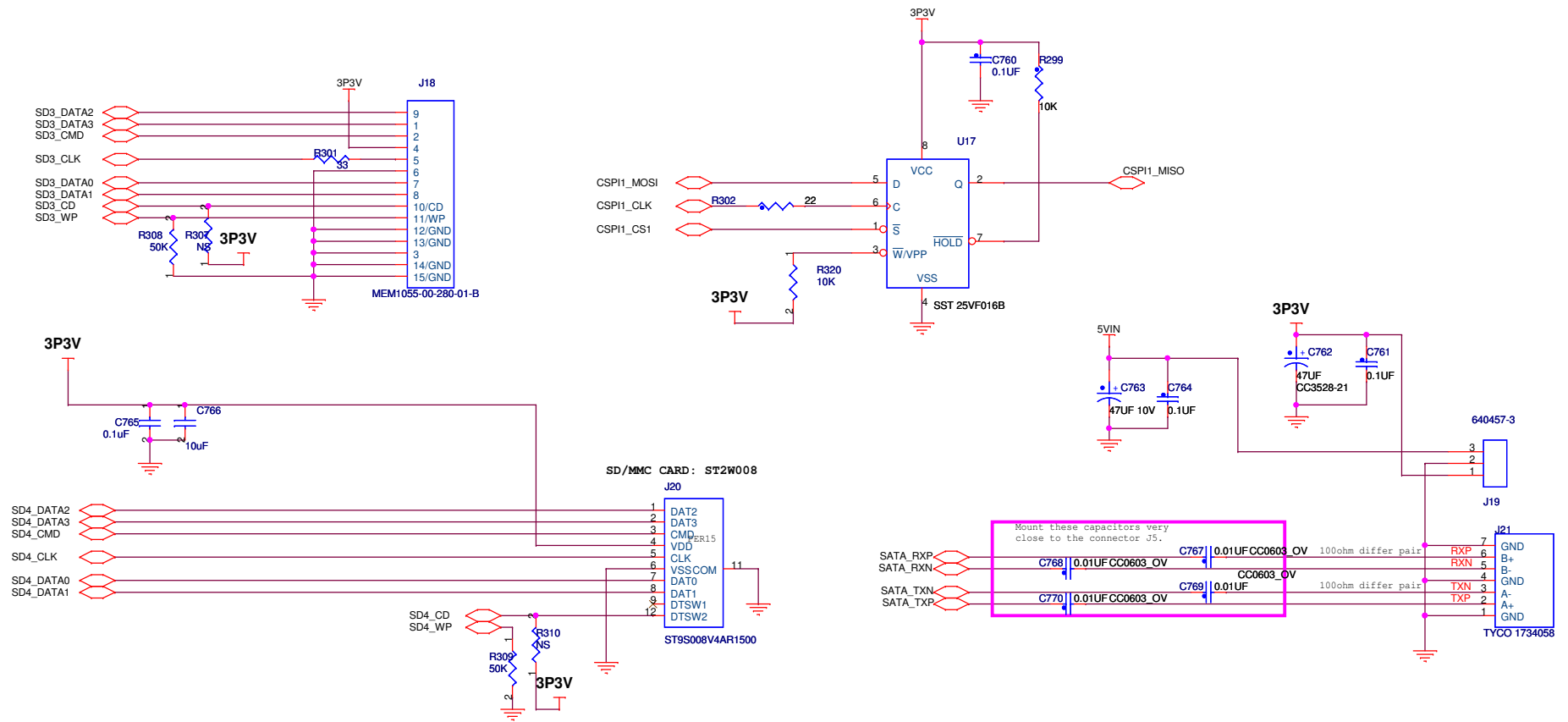
Boundary Devices		
Title		
DIAGNOSTIC		
Size	Document Number	Rev
A		0002
Date:	Tuesday, May 01, 2012	Sheet 10 of 13



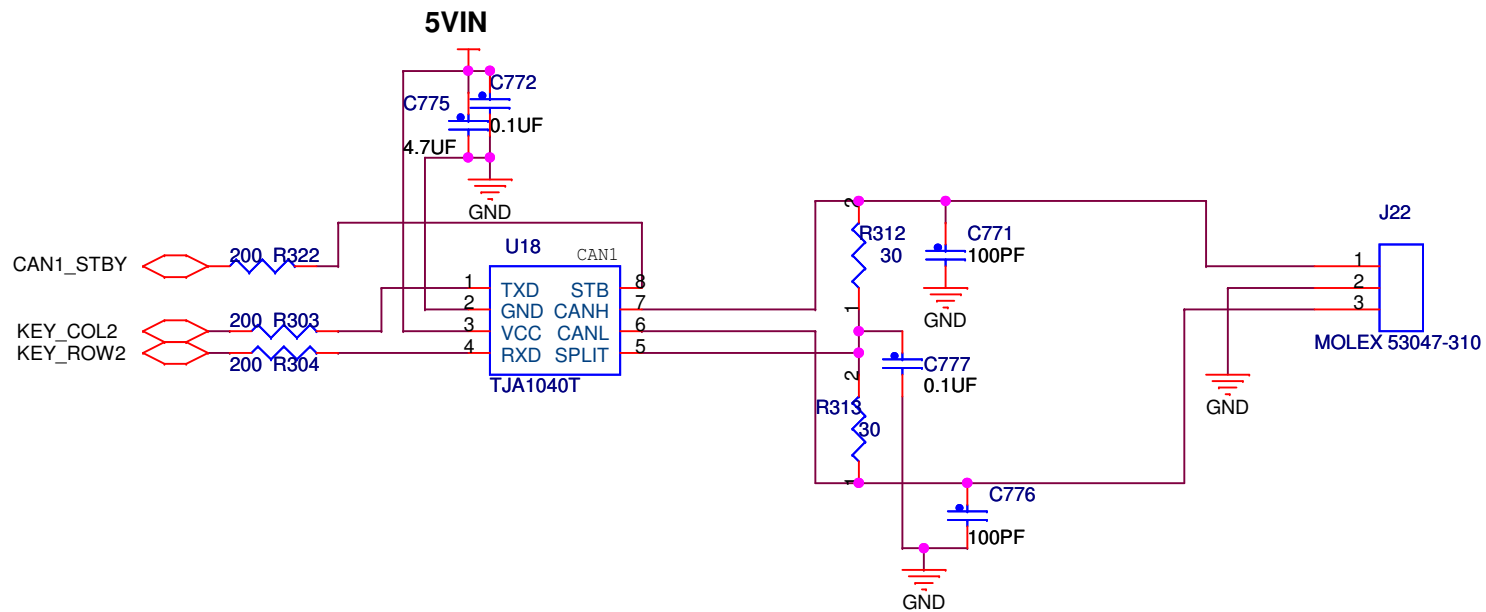
Boundary Devices			
Title			
RGB +MIPI + UART			
Size	Document Number		Rev
A	SABER LITE		0002
Date:	Tuesday, May 01, 2012		Sheet 11 of 13

Layout:

1. 50ohm, SD singals(SD_DATAx, SD_CMD, SD_CLK) length equal
2. R274 be placed near MX6Q chip



Boundary Devices			
Title	SD + SATA		
Size	Document Number	Rev	
B	SABER LITE	0002	
Date:	Tuesday, May 01, 2012	Sheet	12 of 13



Boundary Devices			
Title			
CAN BUS			
Size A	Document Number		Rev 0002
Date:	Tuesday, May 01, 2012		Sheet 13 of 13