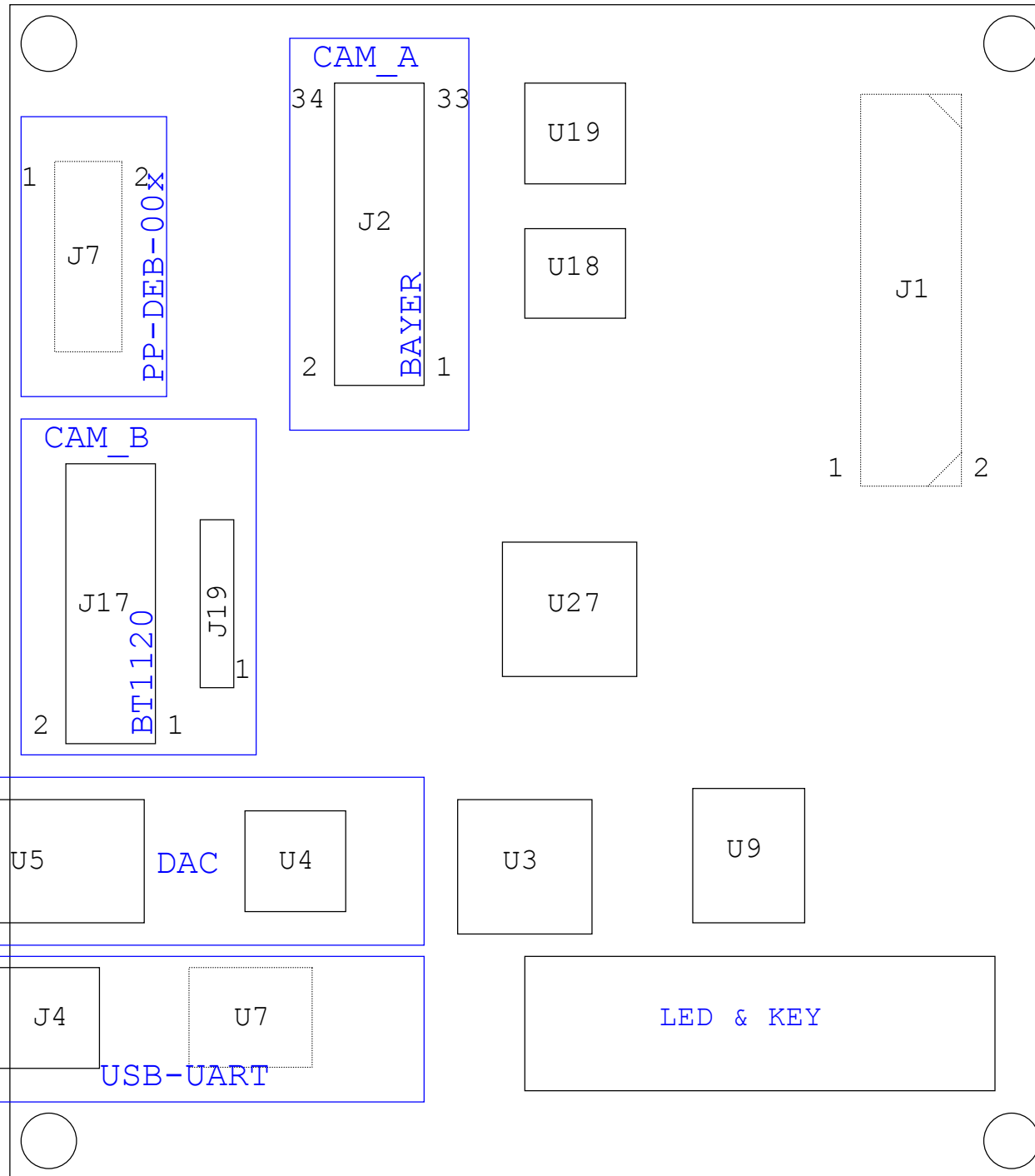


PI4008 XS R1.0

Xilinx Sub Board

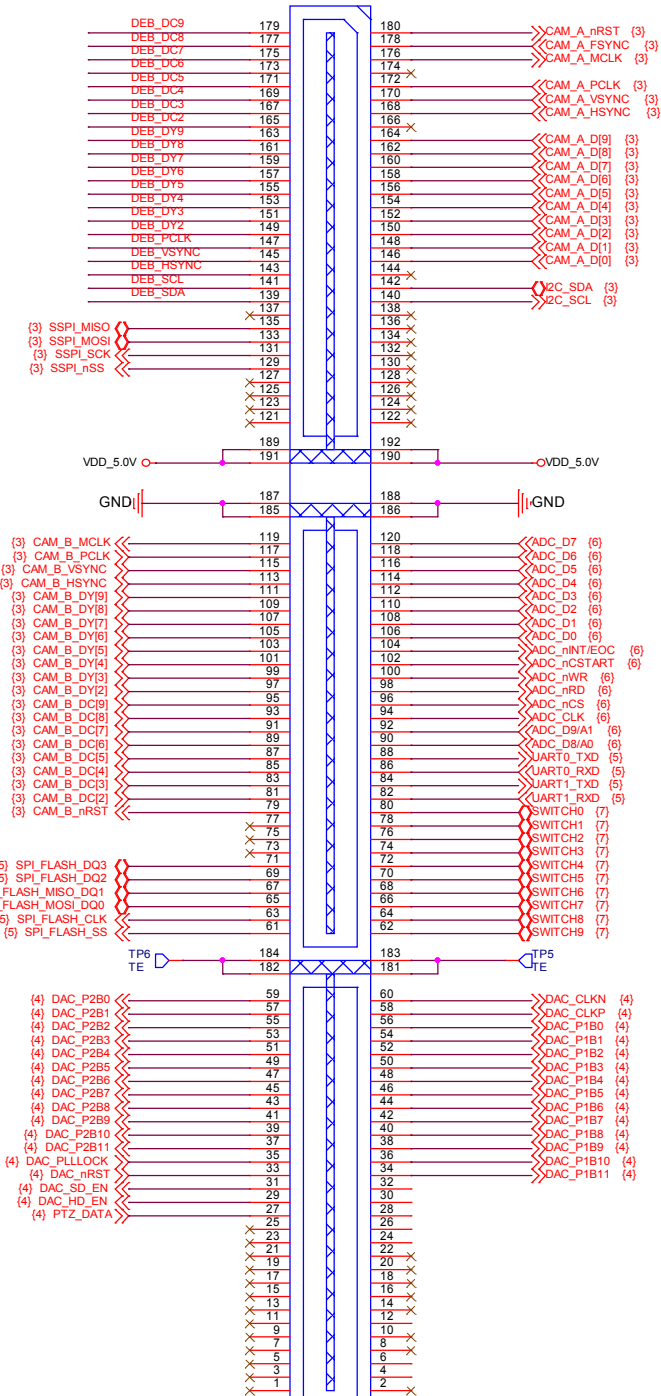
- P01.Outline
- P02.Connetor (Xilinx/DEB-00X)
- P03.CAM (BAYER/BT1120)
- P04.DAC
- P05.FLASH/UART
- P06.ADC/KEY
- P07.SWITCH/LED
- R01.Connector
- R02.DDR_A (4Mx16) (2M/4Mx32)



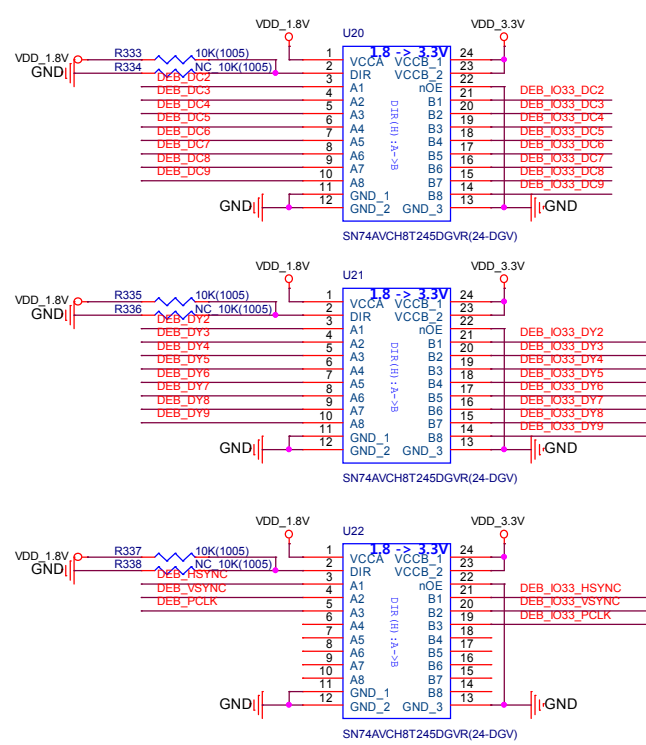
실선 부품은 TOP에 배치, 점선 부품은 BOTTOM에 배치

Title		
PI4008_XS_R1.0		
Size	Document Number	Rev
A3	P01.Outline	1.
Date:	Tuesday, February 02, 2016	Sheet 1 of 9

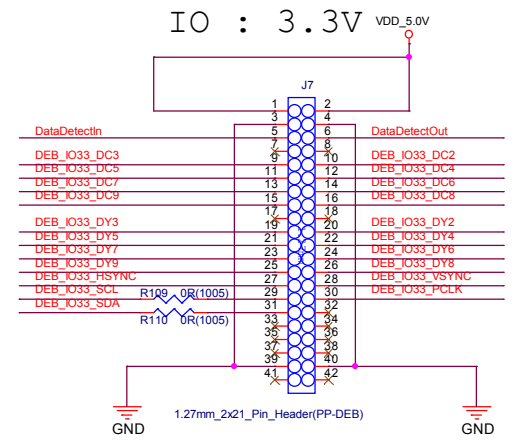
EDA_V7 - JP4 (HDRY)



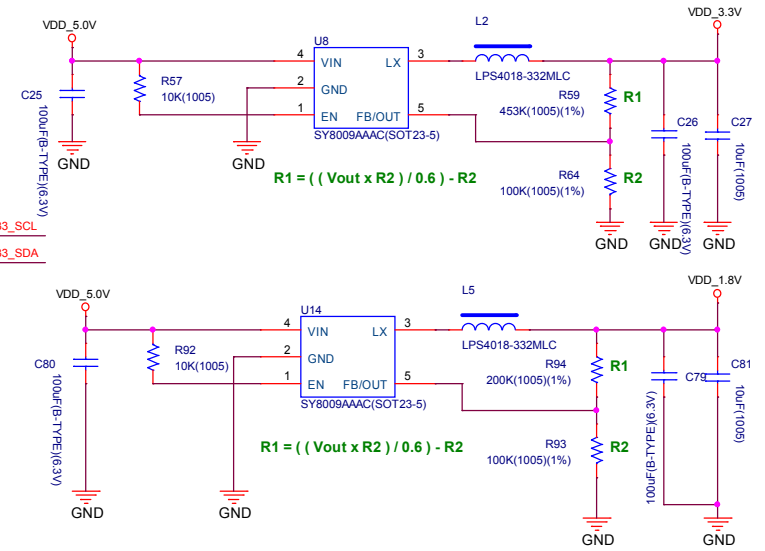
Level Shifter



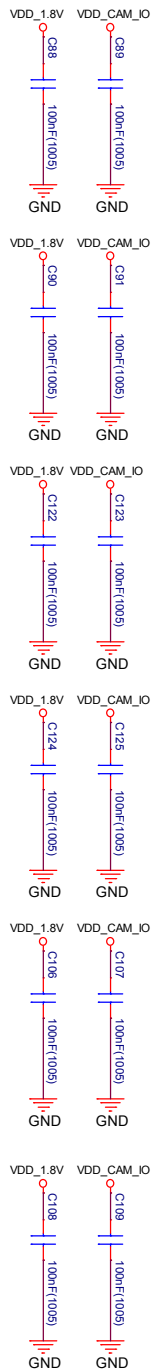
PP-DEB-00x



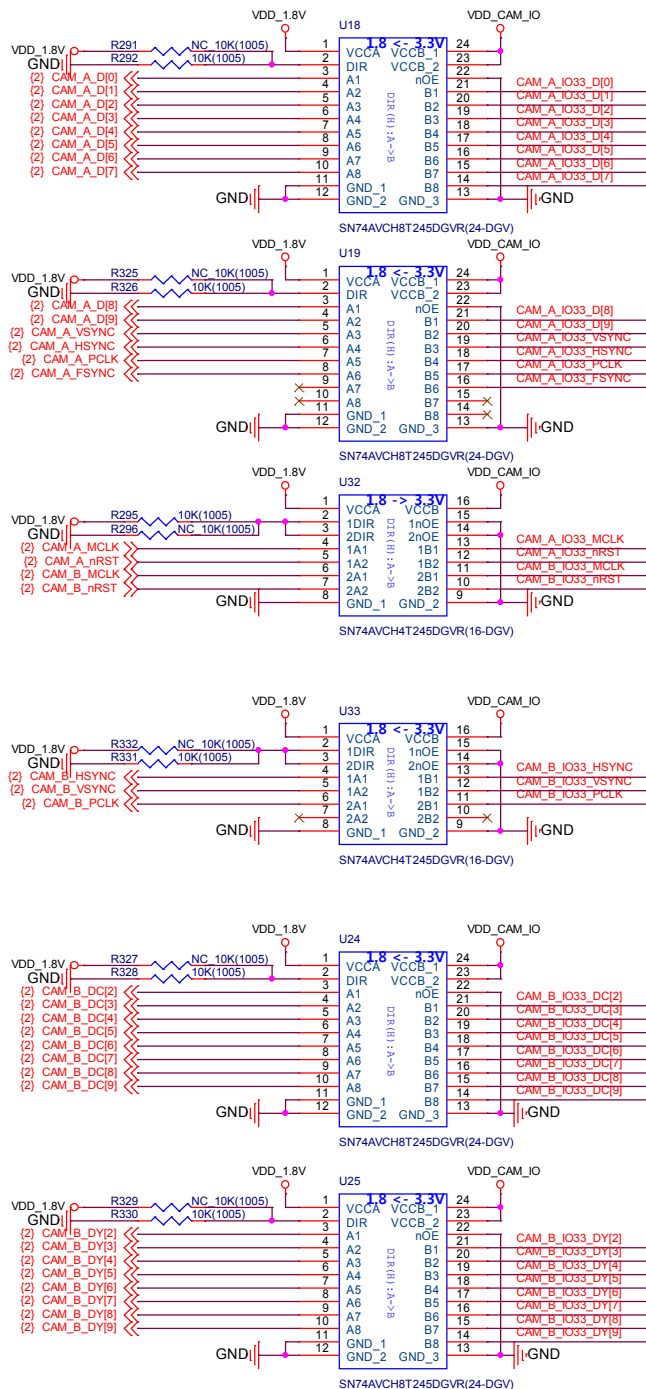
Power



Title		
P4008_XS_R1.0		
Size	Document Number	Rev
A3	P02.Connector(Xilinx/DEB-00X)	1.
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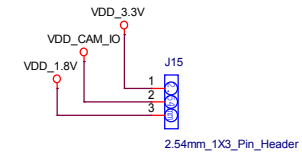
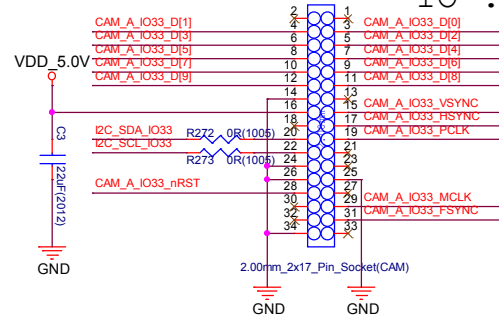
Level Shifter



CAM_A_SENSOR I/F (BAYER)

PS3210 / PS5100 / PS6100

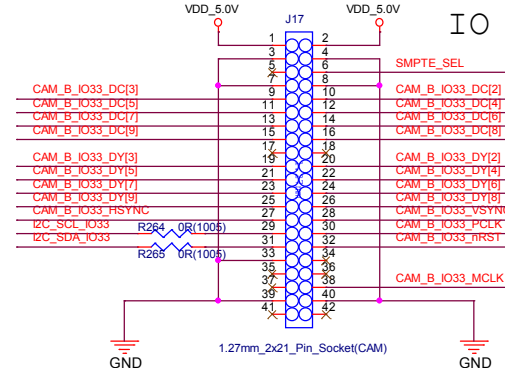
IO : 3.3V or 1.8V



CAM_B_SENSOR I/F (BT1120)

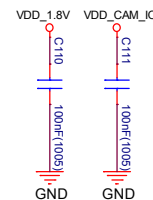
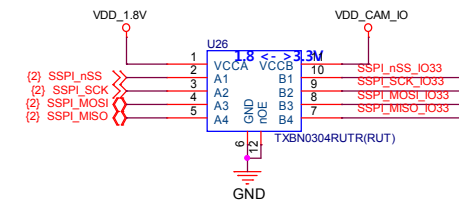
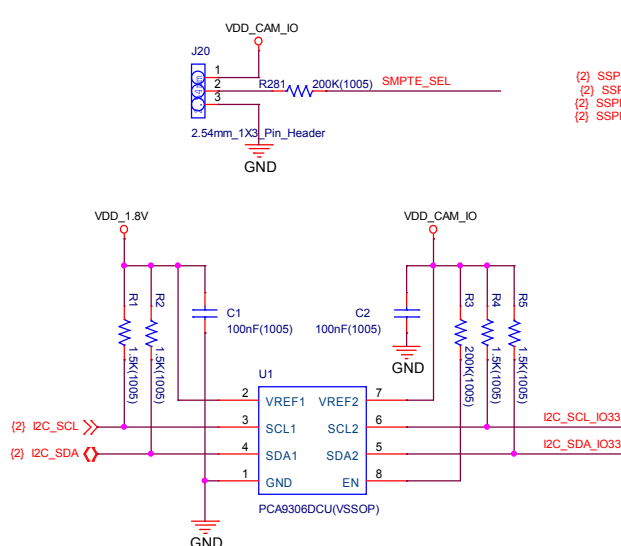
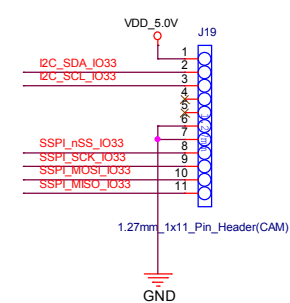
PV1219 / PV2109

IO : 3.3V



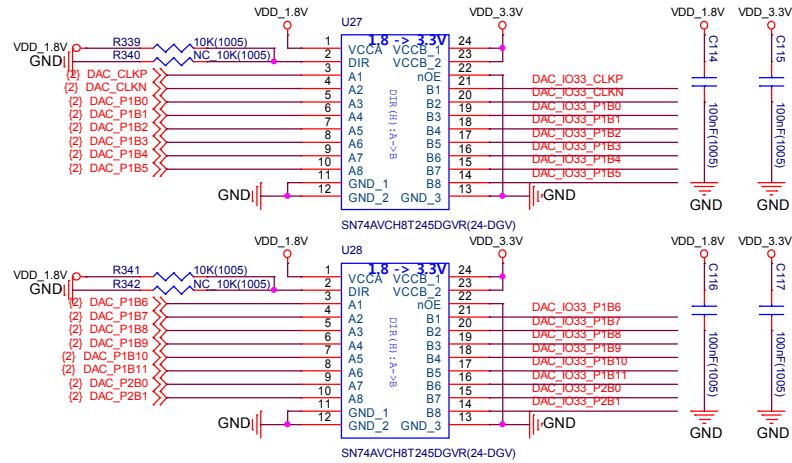
CAM_B_SENSOR I2C & SPI

PV1219 / PV2110

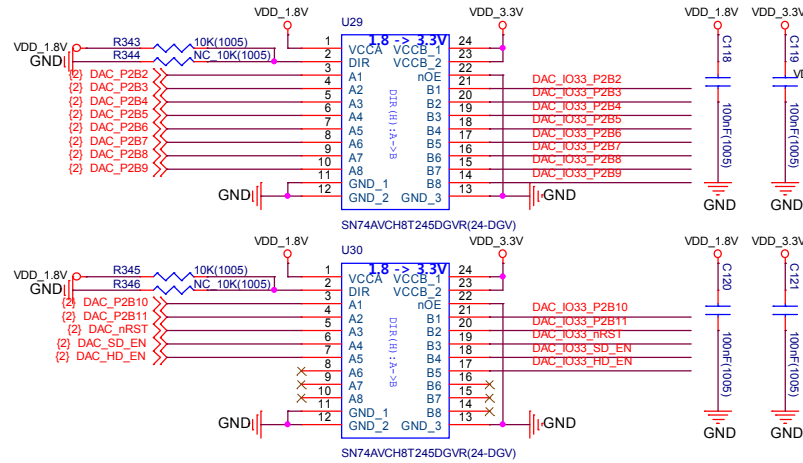


Title		
P4008_XS_R1.0		
Size	Document Number	Rev
A3	CAM / LVDS	1.
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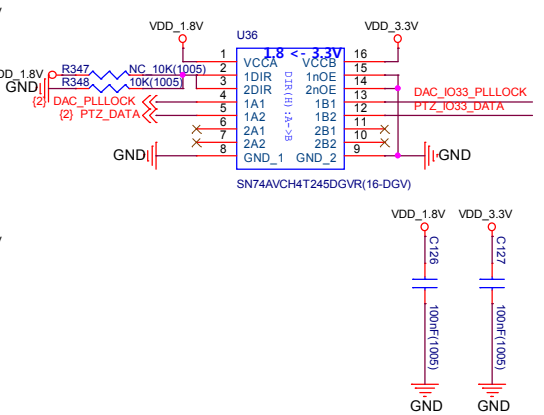
Level Shifter



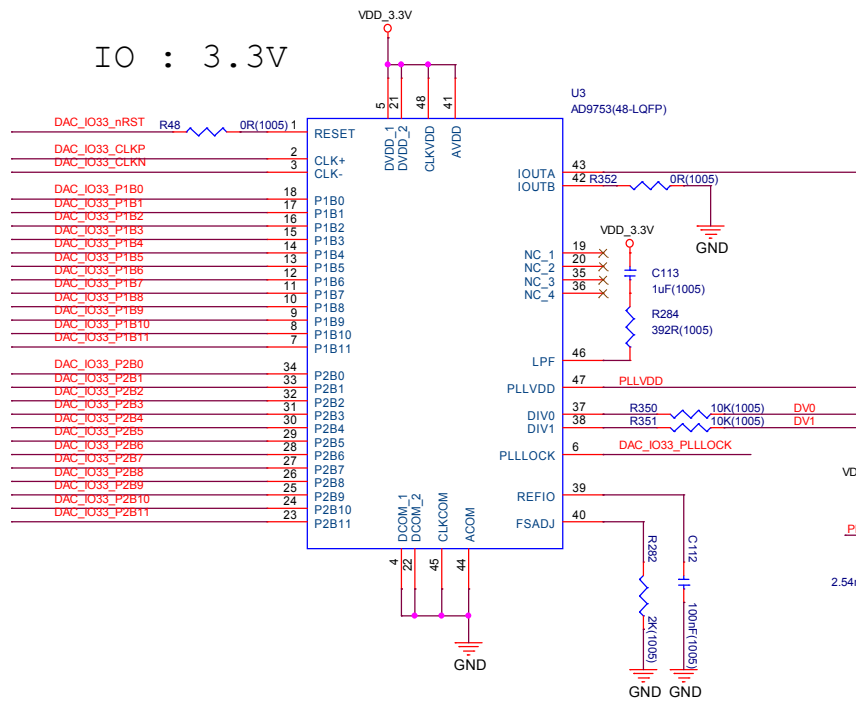
Level Shifter



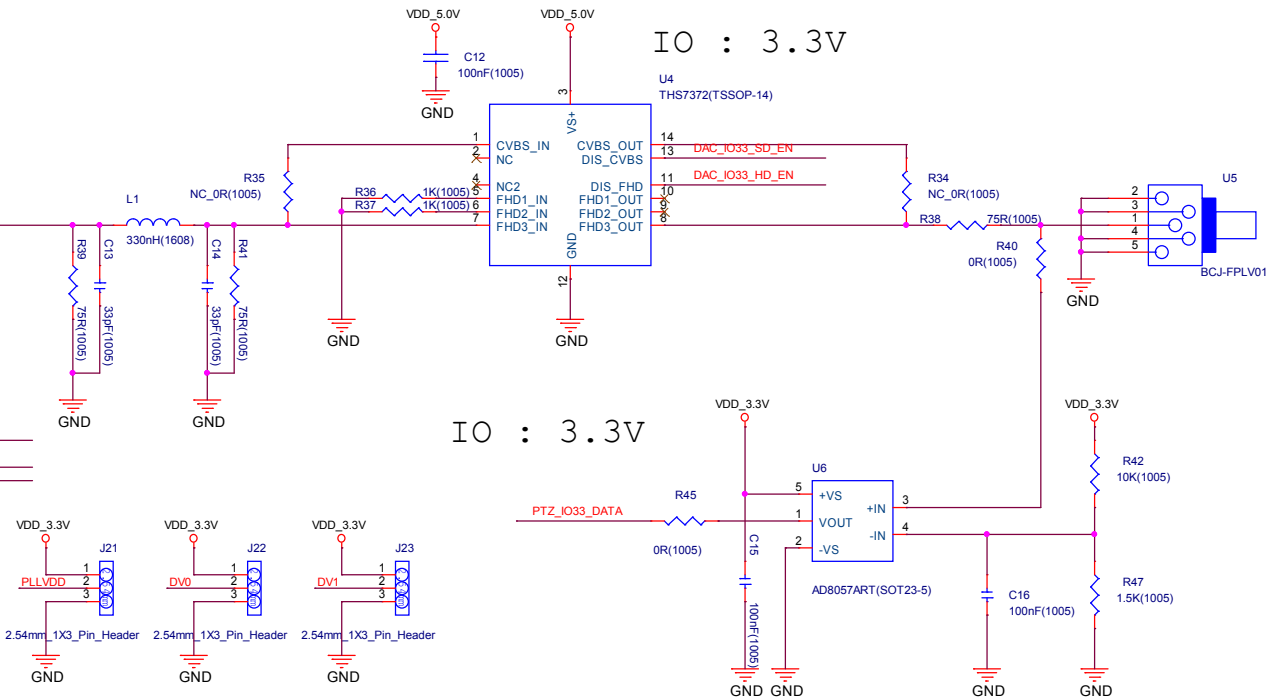
Level Shifter



IO : 3.3V

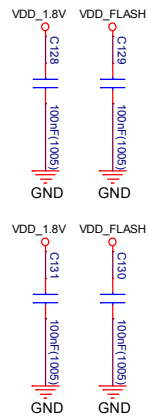


IO : 3.3V

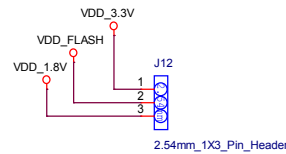
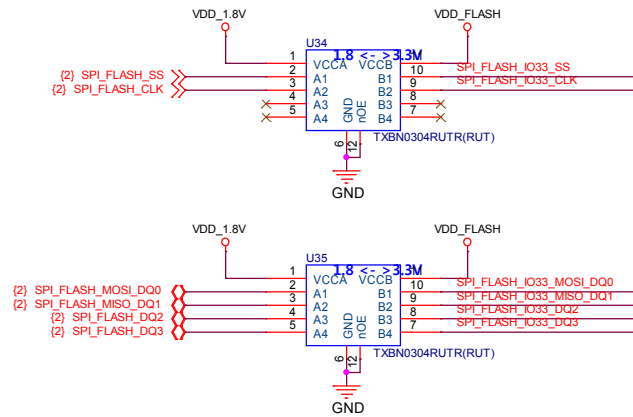


IO : 3.3V

Title			
P4008_XS_R1.0			
Size	Document Number	Rev	
A3	P05.DAC	1.	
Date:	Tuesday, February 02, 2016	Sheet	4 of 9

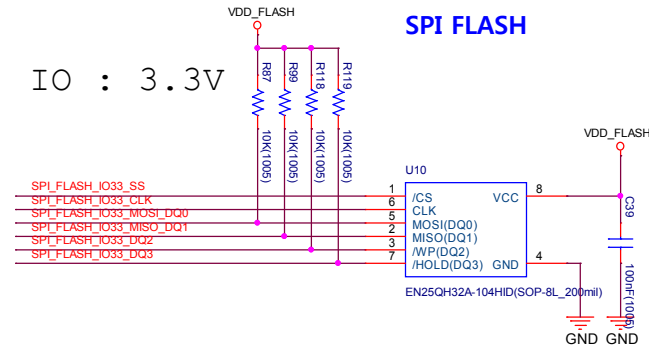


Level Shifter

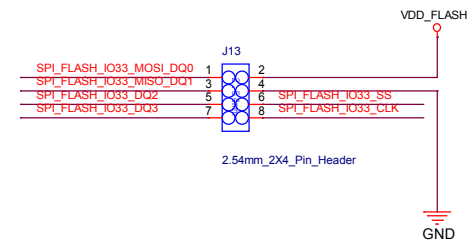


IO : 3.3V

SPI FLASH

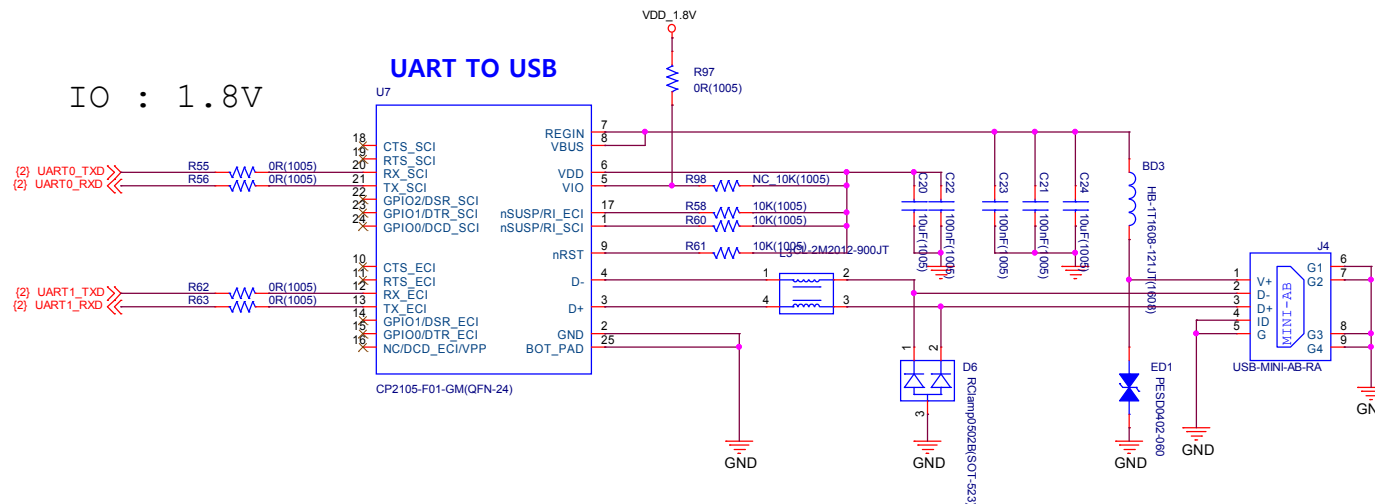


SPI FLASH Sub Board



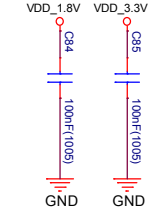
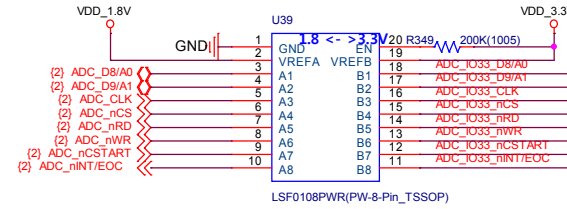
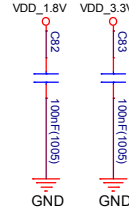
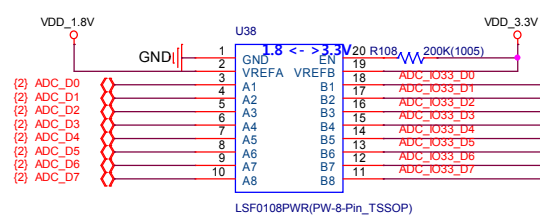
IO : 1.8V

UART TO USB



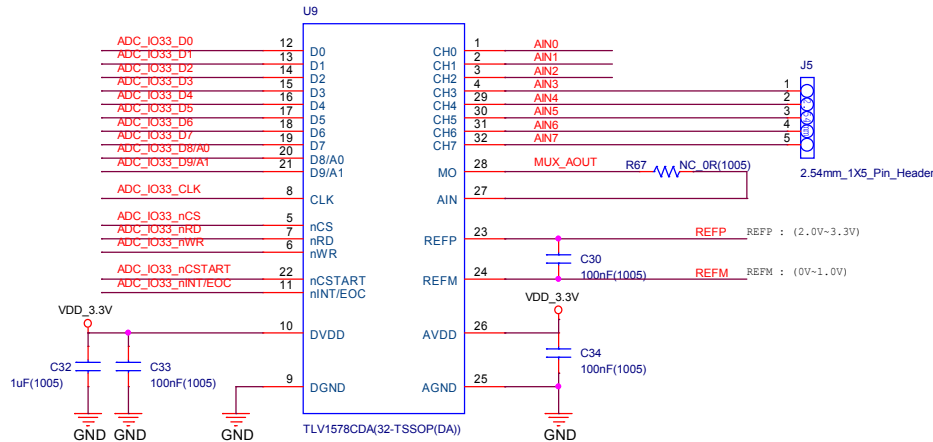
Title		P4008_XS_R1.0
Size	Document Number	P06.FLASH/UART
A3	Rev	1.
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Level Shift(ADC)

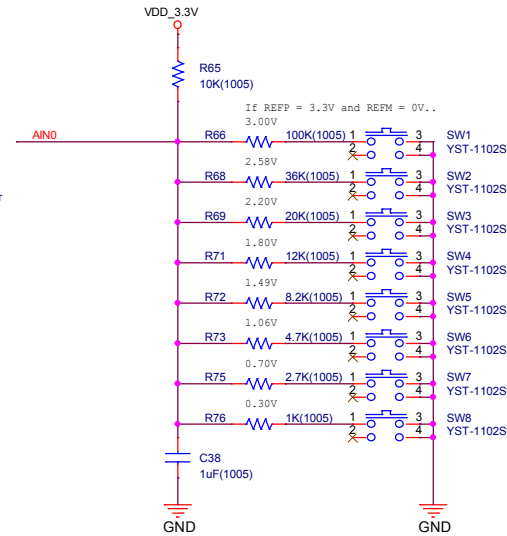


ADC

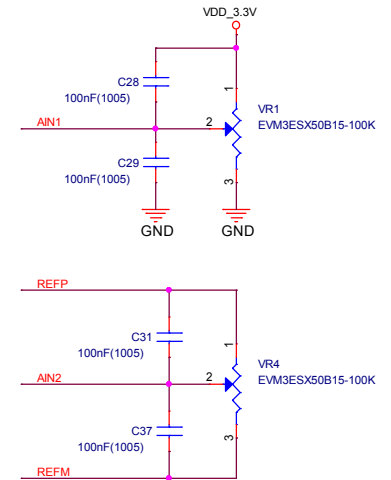
IO : 3.3V



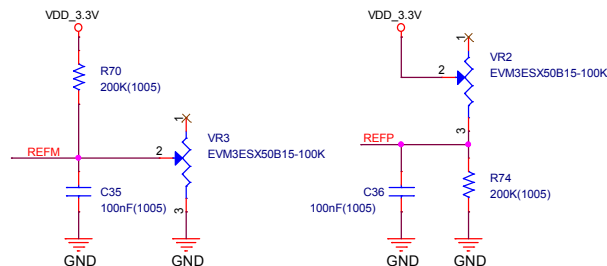
Key(AIN0)



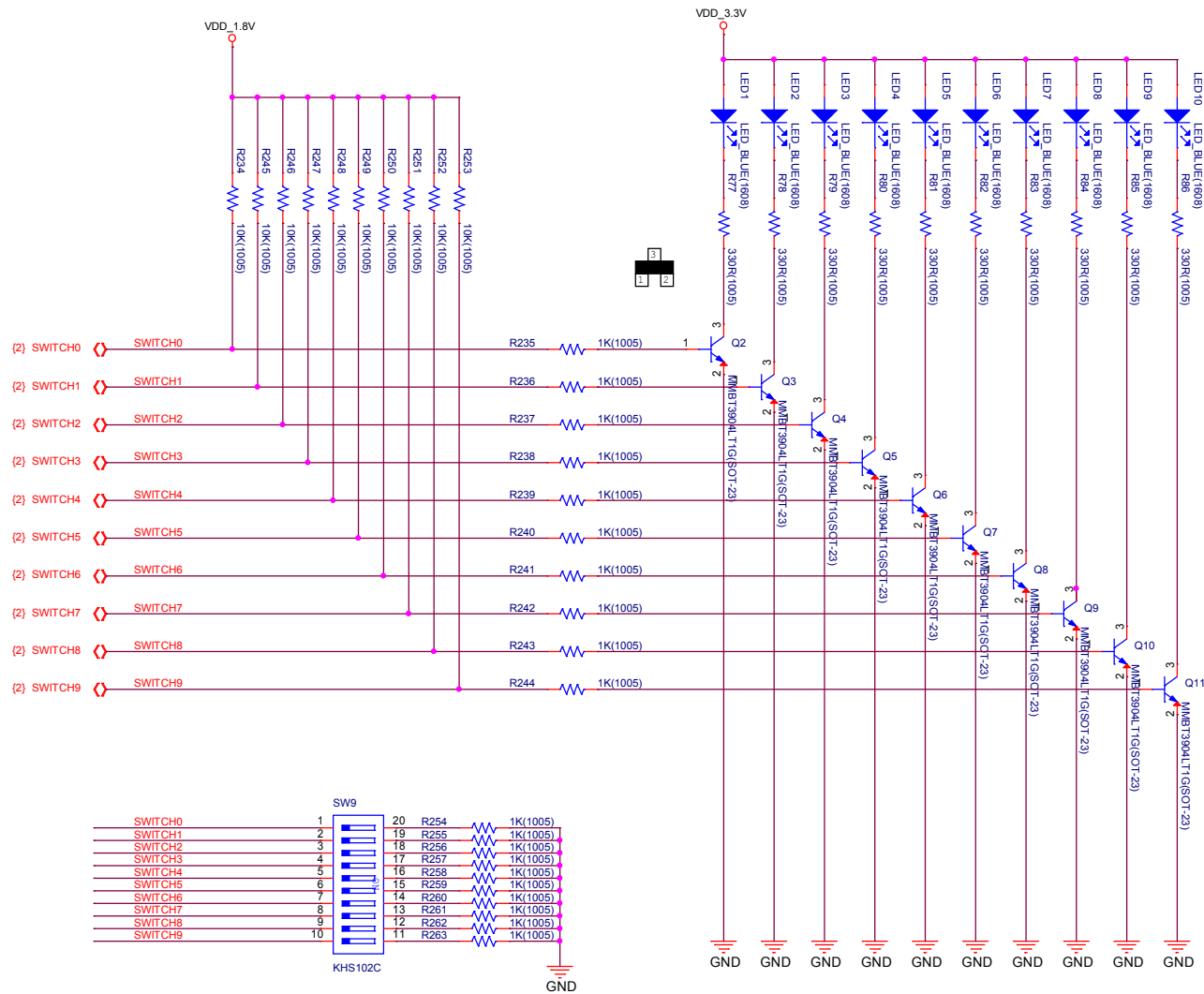
VR(AIN1,AIN2)



ADC Ref

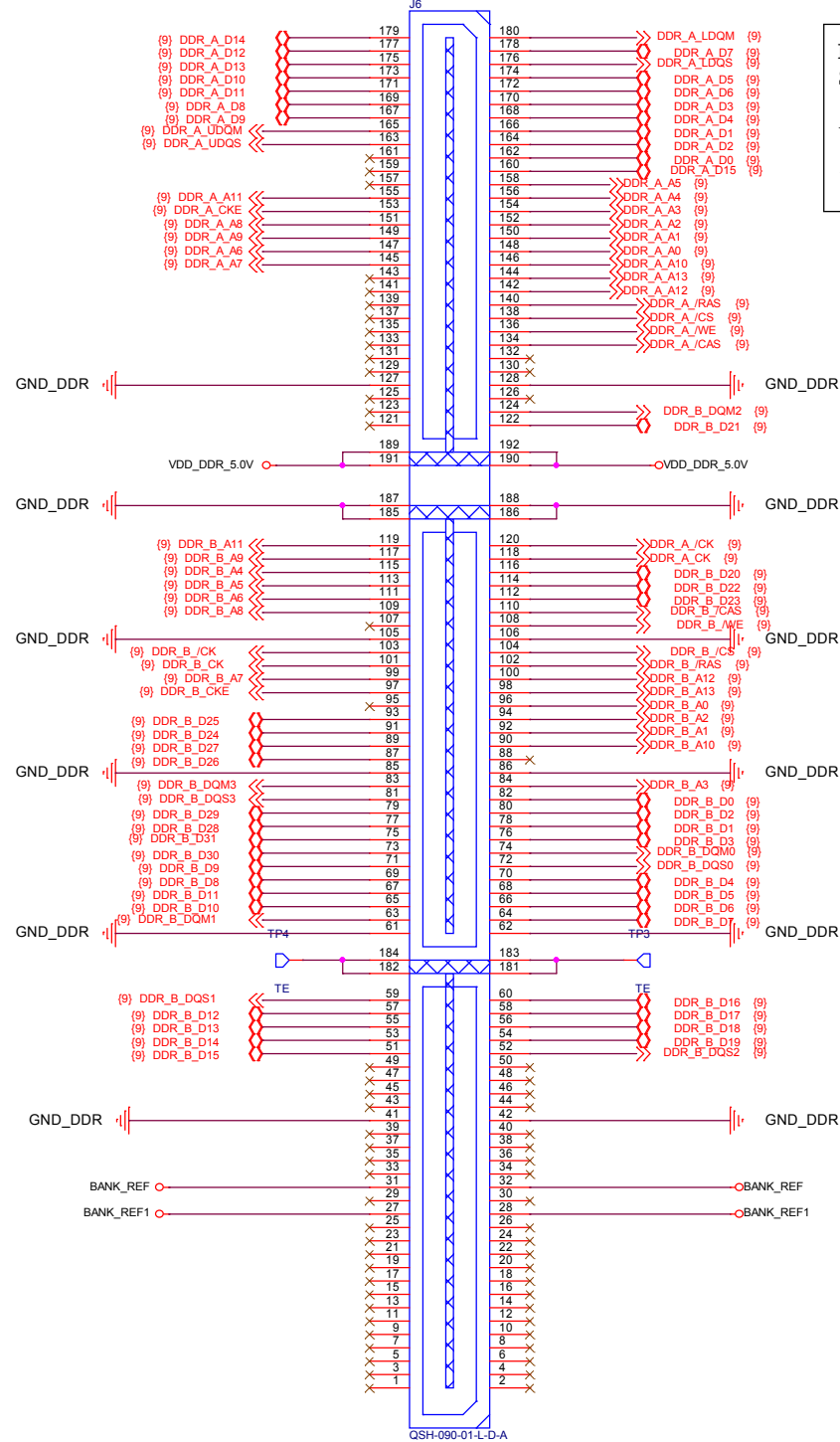


DIP SWITCH & LED

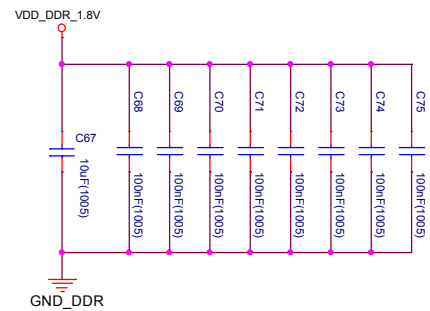
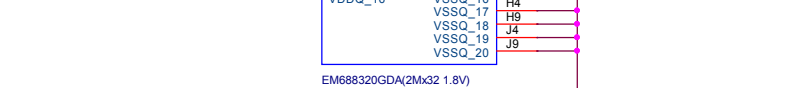
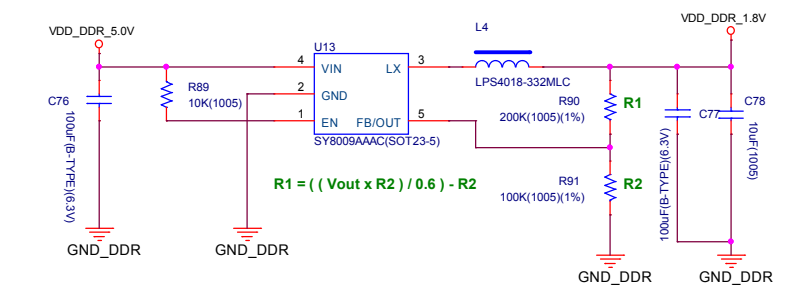


Title			
P4008_XS_R1.0			
Size A3	Document Number P08.SWITCHLED		Rev 1.
Date:	Tuesday, February 02, 2016	Sheet	7 of 9

EDA_V7(Xilinx) 보드의 JP6과
Stratix_V_FPGA(Altera) 보드의 J21에 연결가능.
두 보드의 커넥터의 Pin Number가 반전되어 있음을 주의.
현재의 회로도는 EDA_V7의 JP6과 Pin Numer가 서로 일치.



Title			
PK4008_XS_R1.0			
Size A3	Document Number R01.Connector		Rev 1.
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EM689320GDB (4Mx32)는 아래의 핀맵이 변경됨
DQM1 <-> DQM3
DQS1 <-> DQS3
D[8:15] <-> D[24:31]