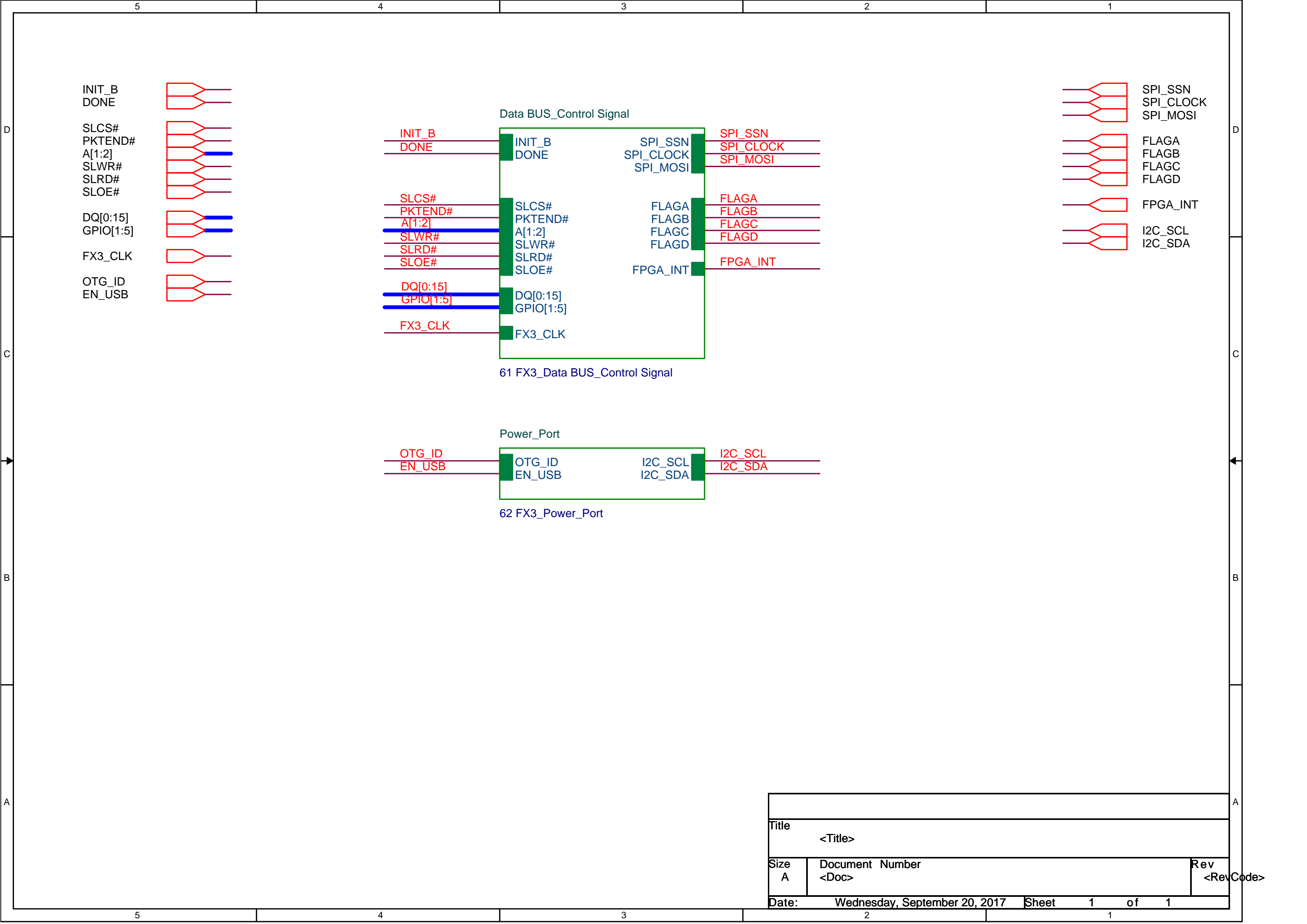
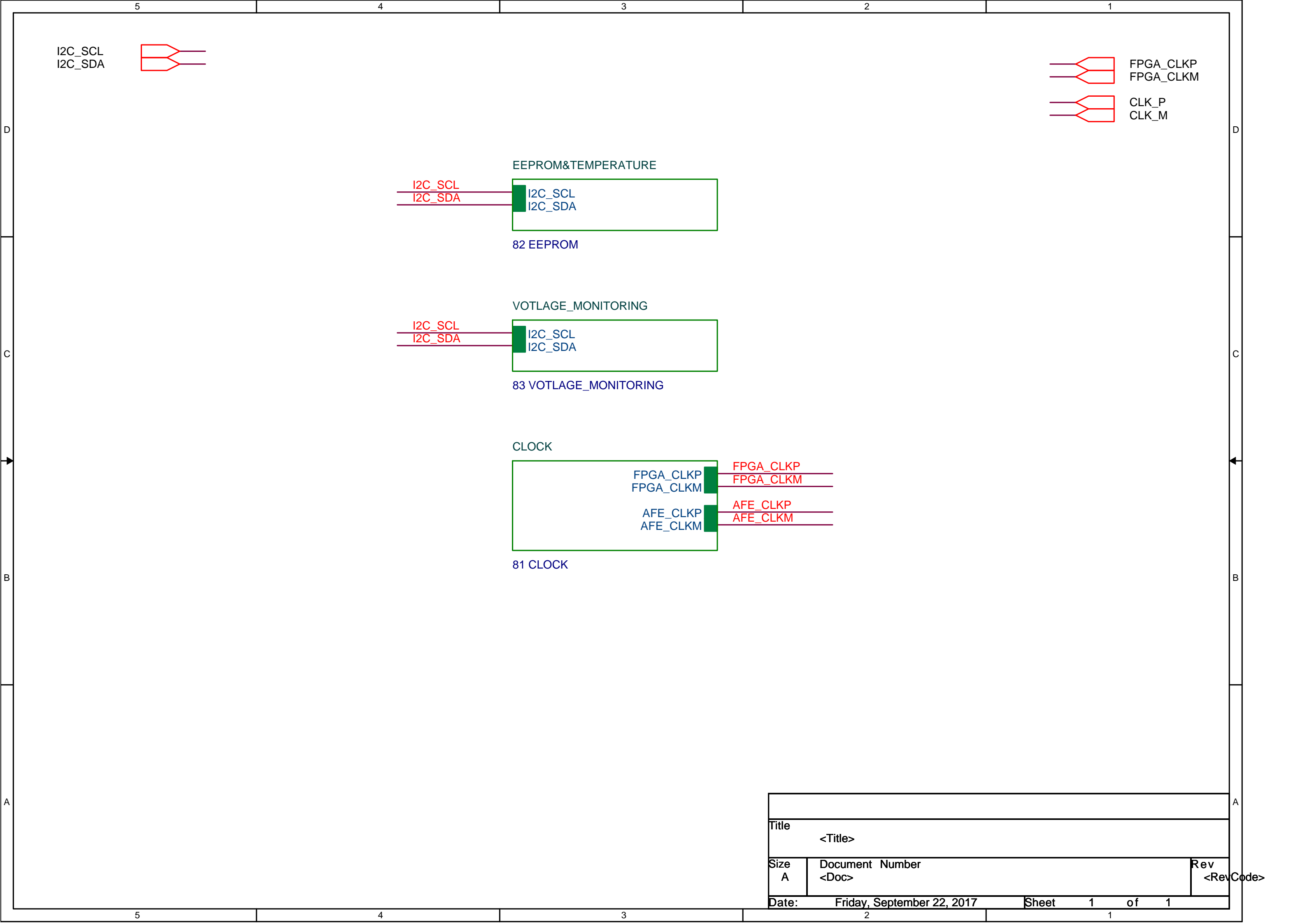


Title <Title>			
Size Custom	Document Number <Doc>		Rev <Rev Code>
Date:	Friday, September 22, 2017	Sheet 1 of 1	





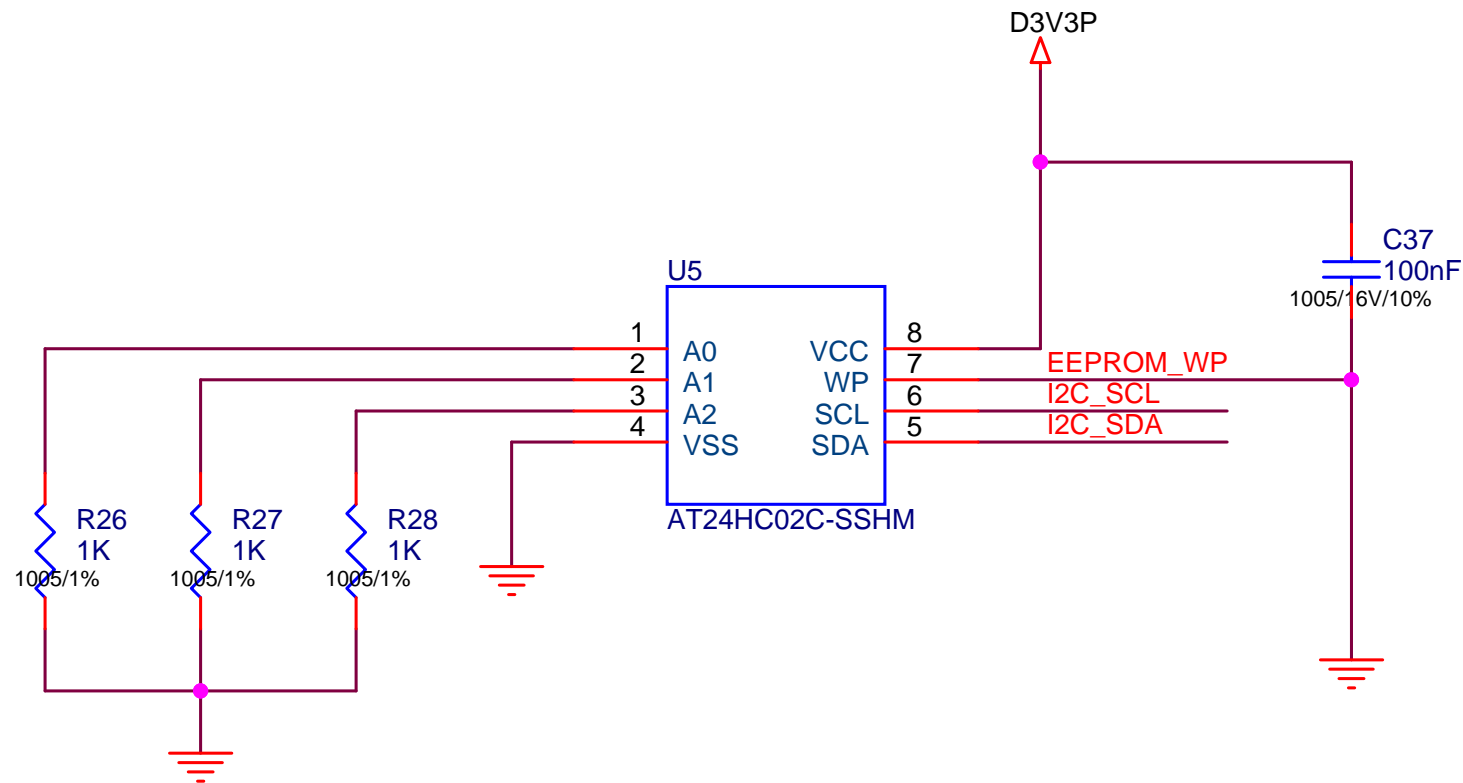
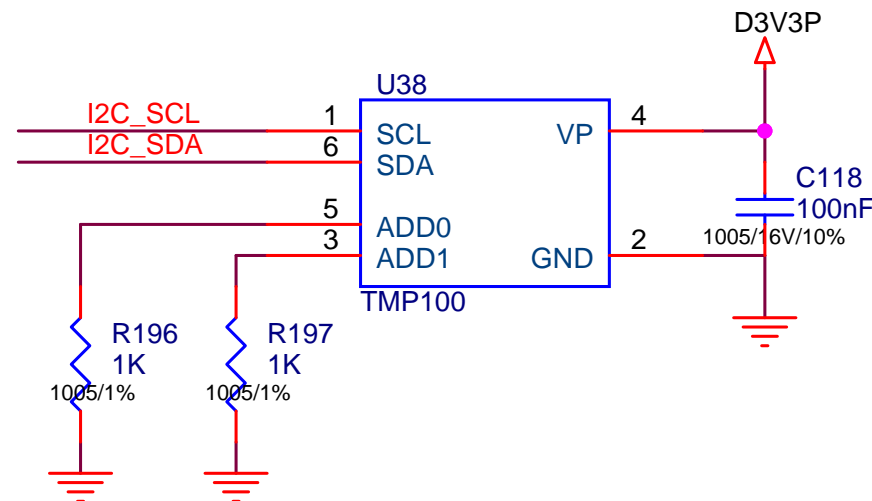
Title		
<Title>		
Size	Document Number	Rev
A	<Doc>	<RevCode>
Date:	Friday, September 22, 2017	Sheet 1 of 1

I2C_SCL
I2C_SDA



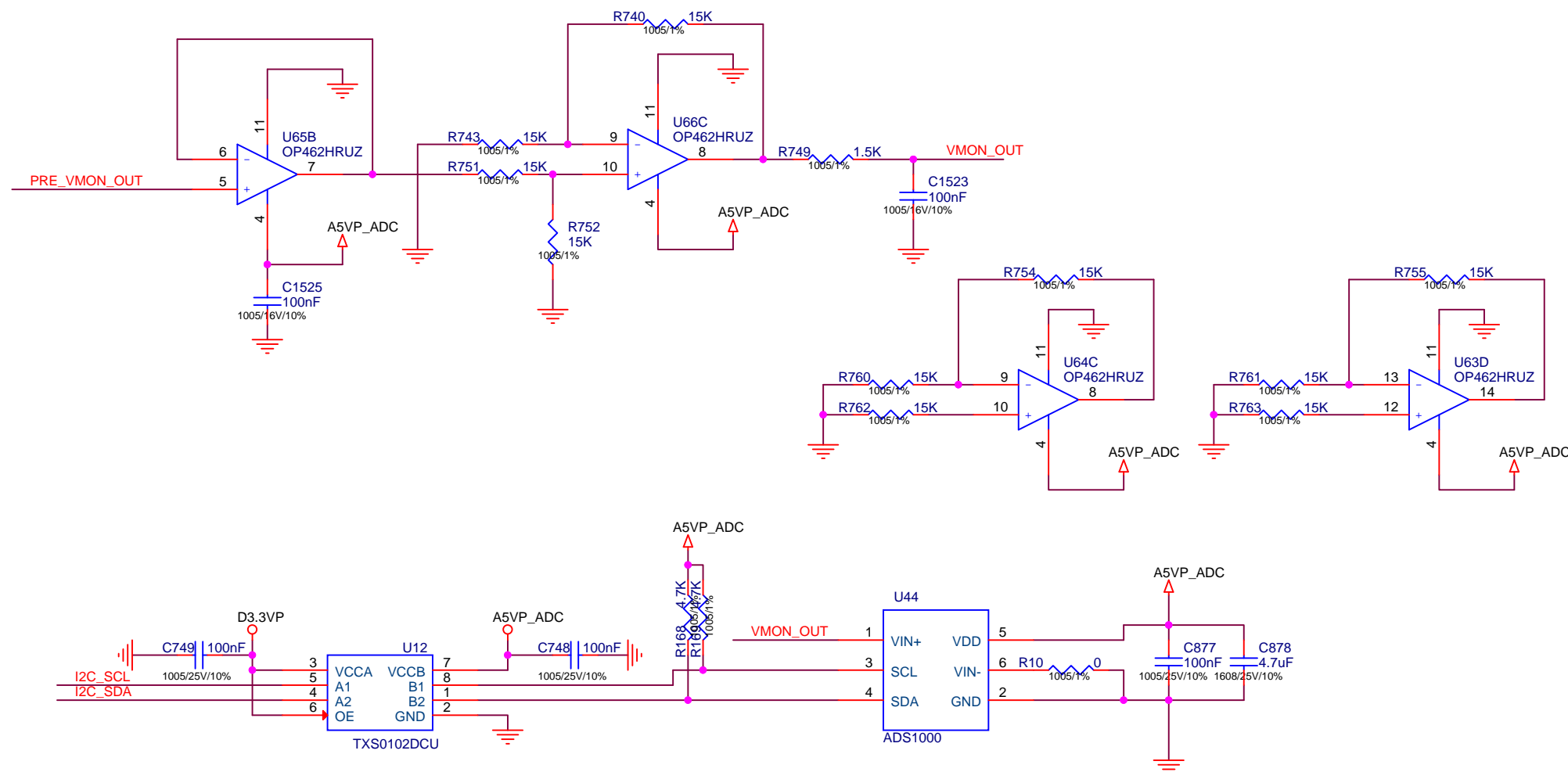
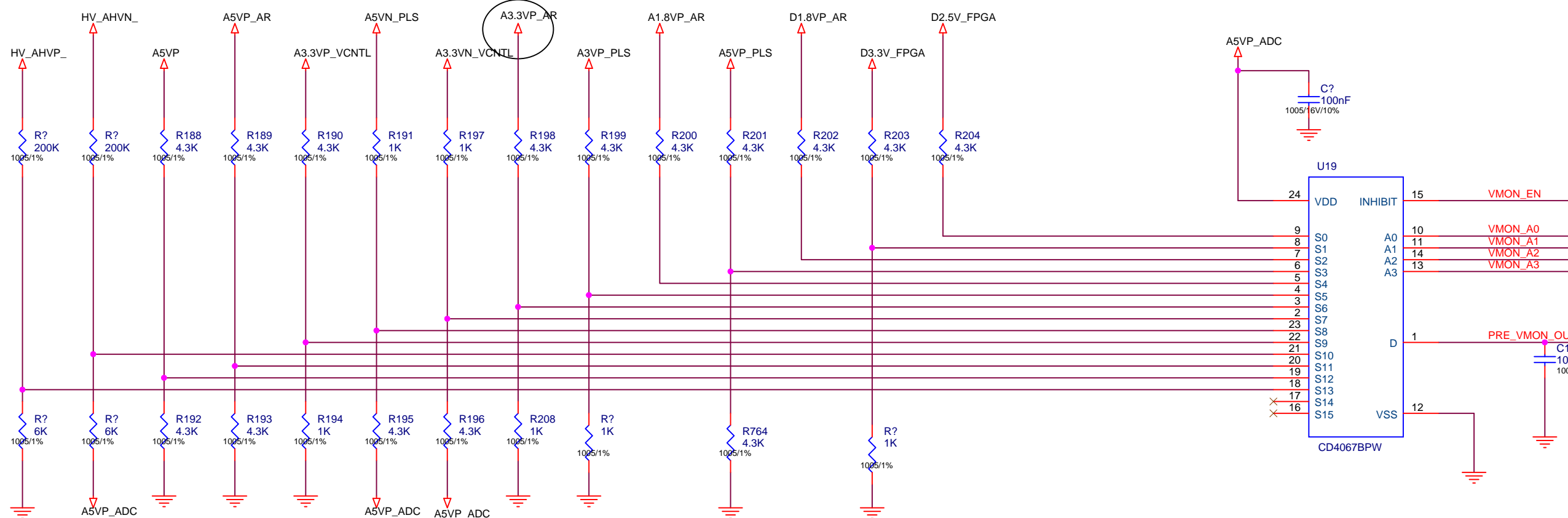
Board	Temperature I2C Address
FE	1001000

Board	Board ID EEPROM I2C Address
FE	1010000

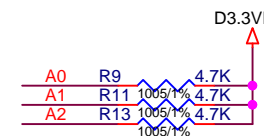
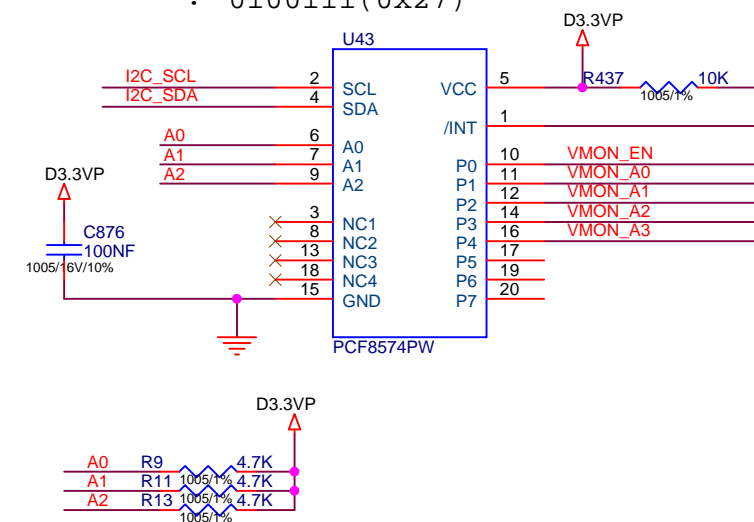


Title		
<Title>		
Size	Document Number	Rev
A	<Doc>	<RevCode>
Date:	Friday, September 22, 2017	Sheet 1 of 1

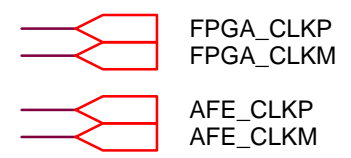
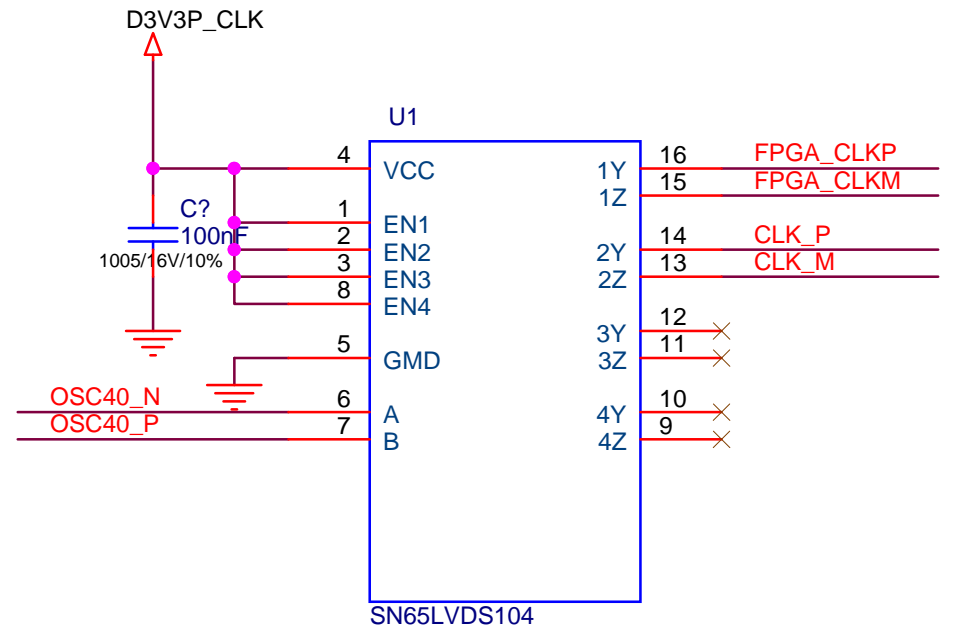
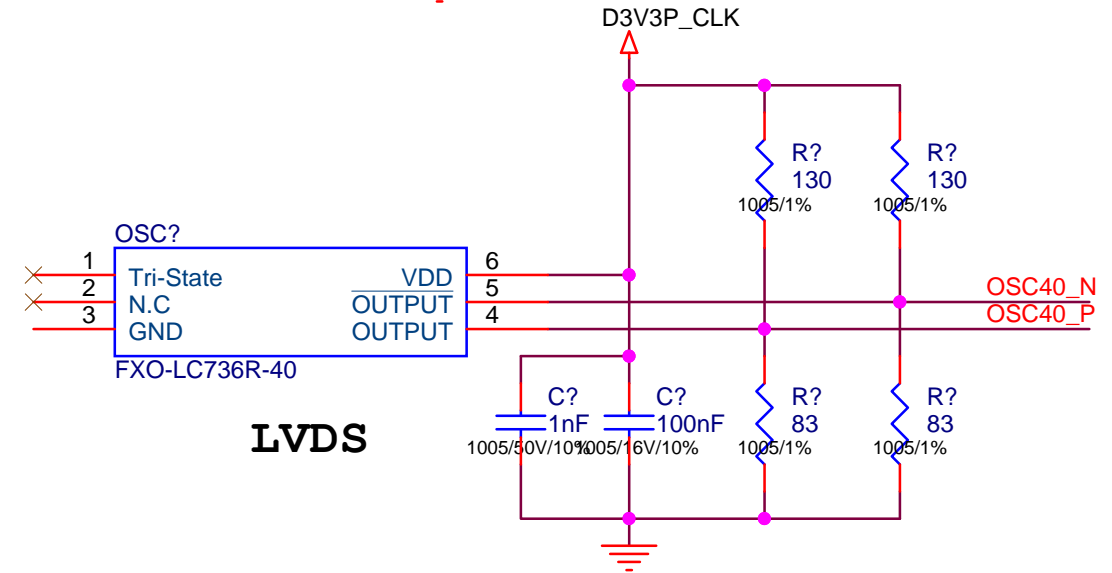
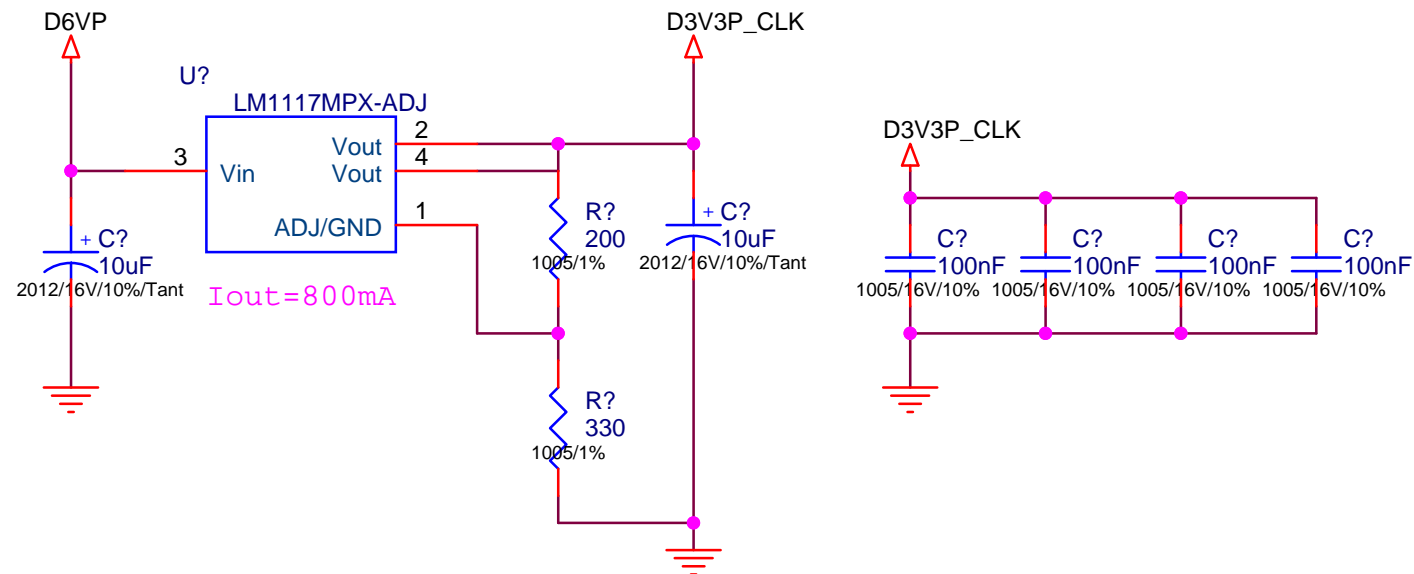
I2C_SCL
I2C_SDA



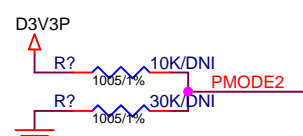
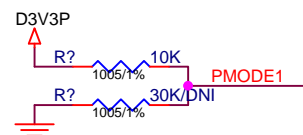
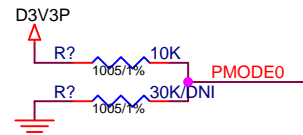
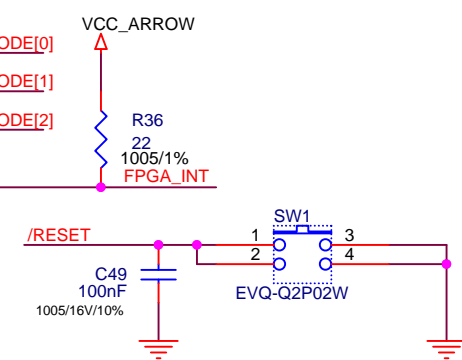
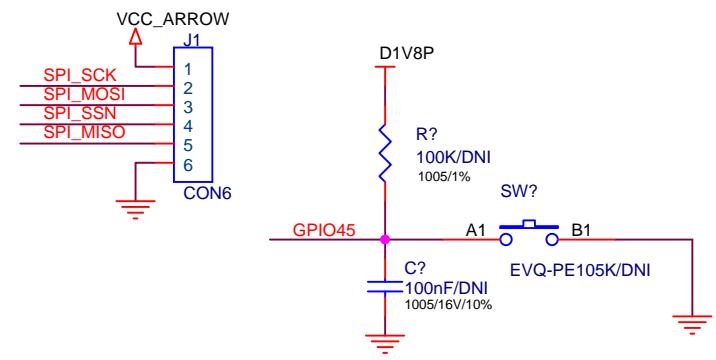
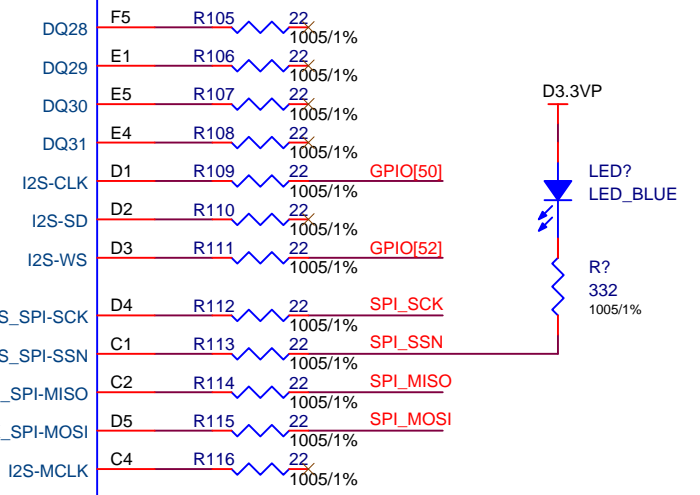
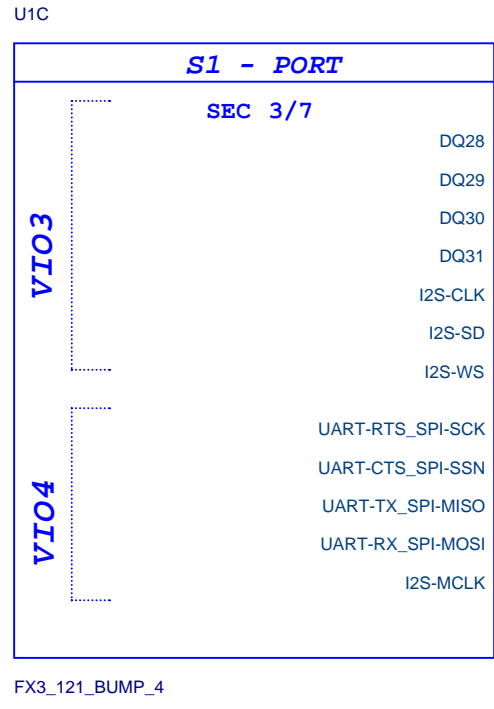
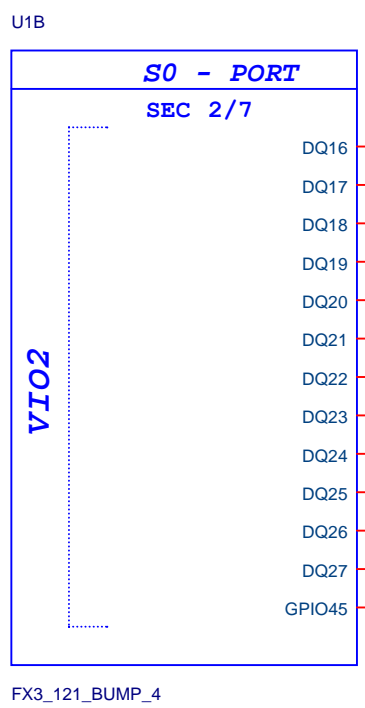
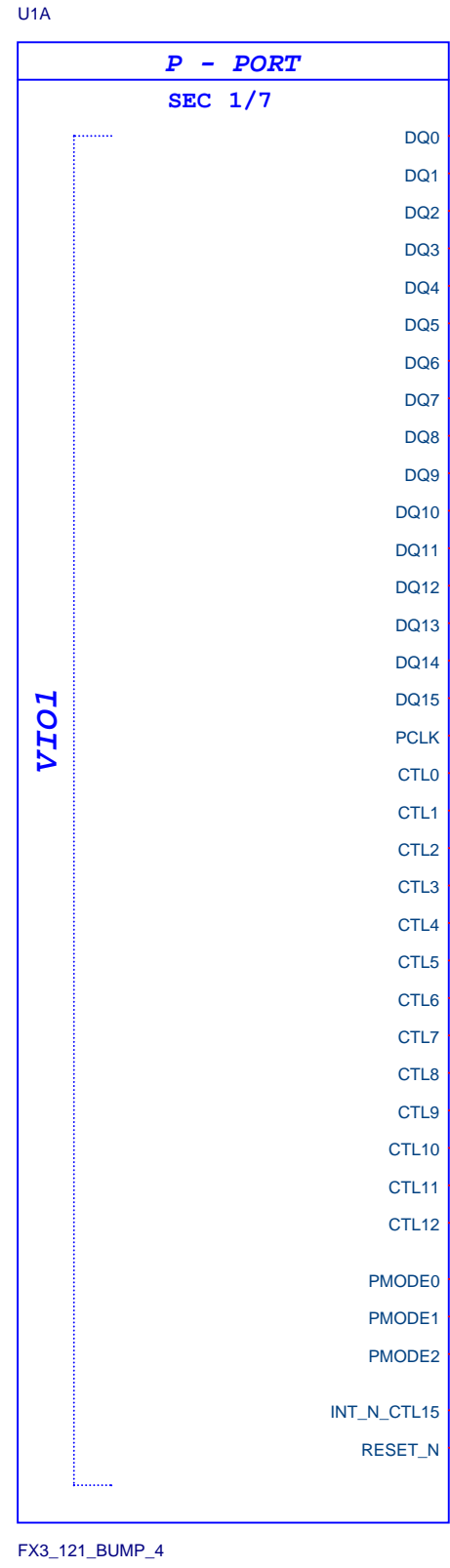
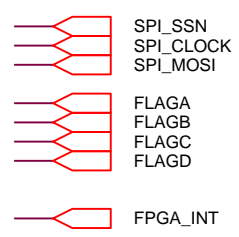
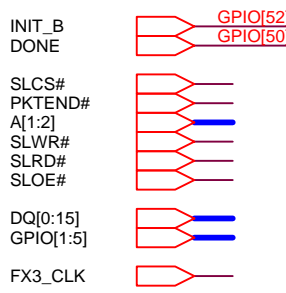
CW & VMON Control register setting
: 0100111(0x27)



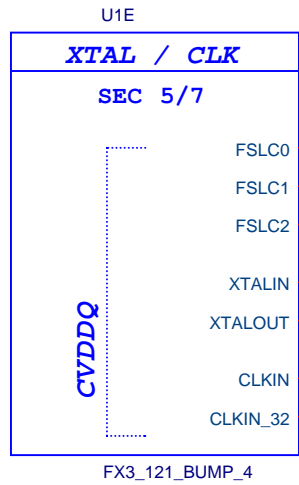
Title			<Title>
Size	Document Number	Rev	
A3	<Doc>	<RevC>	
Date:	Friday, September 22, 2017	Sheet	1 of 1



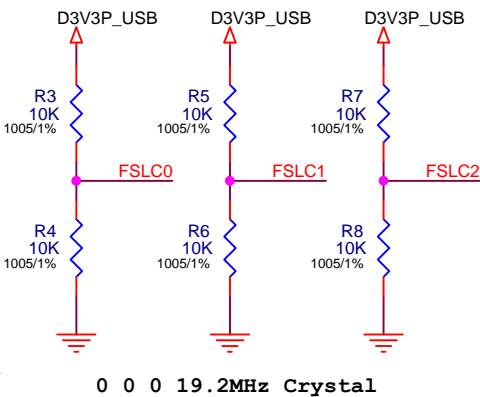
CLOCK Buffer LVDS 1:4



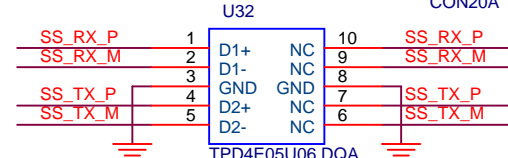
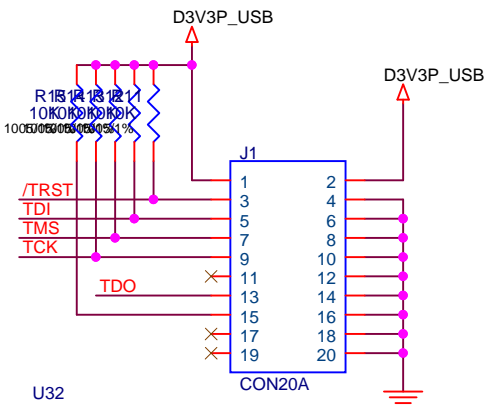
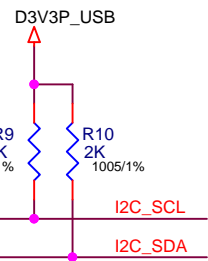
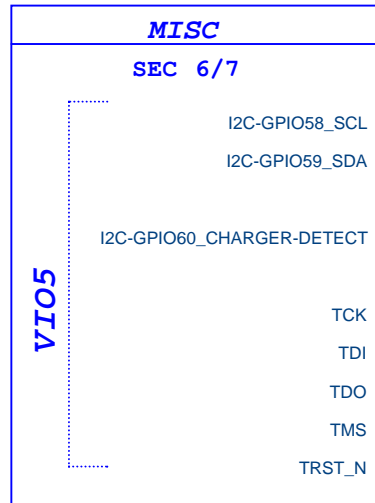
OTG_ID
EN_USB



Crystal/Clock Frequency Selection



U1F

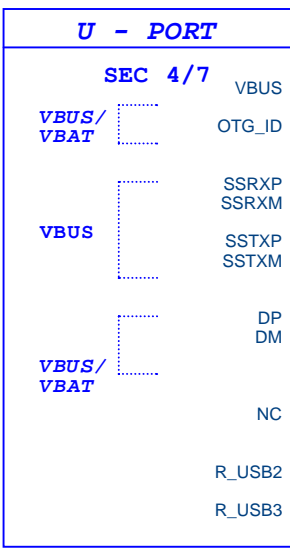


I2C_SCL
I2C_SDA

U1G

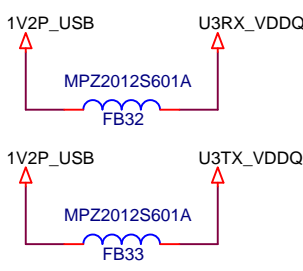
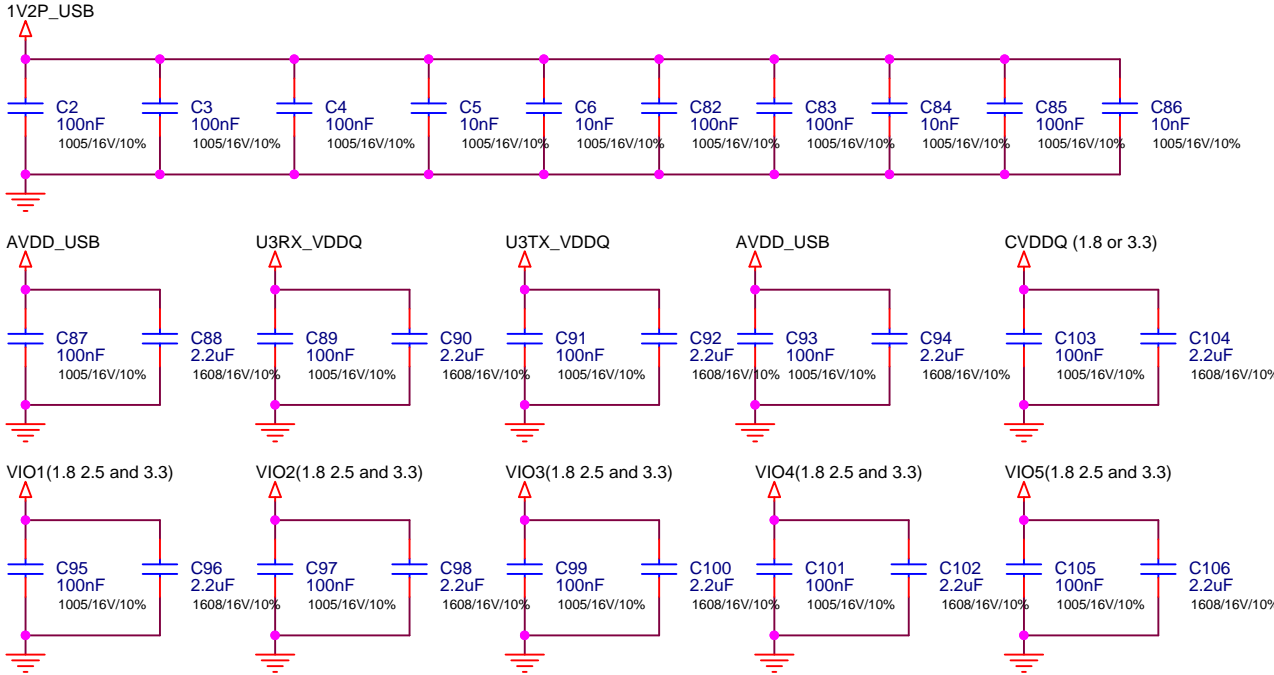
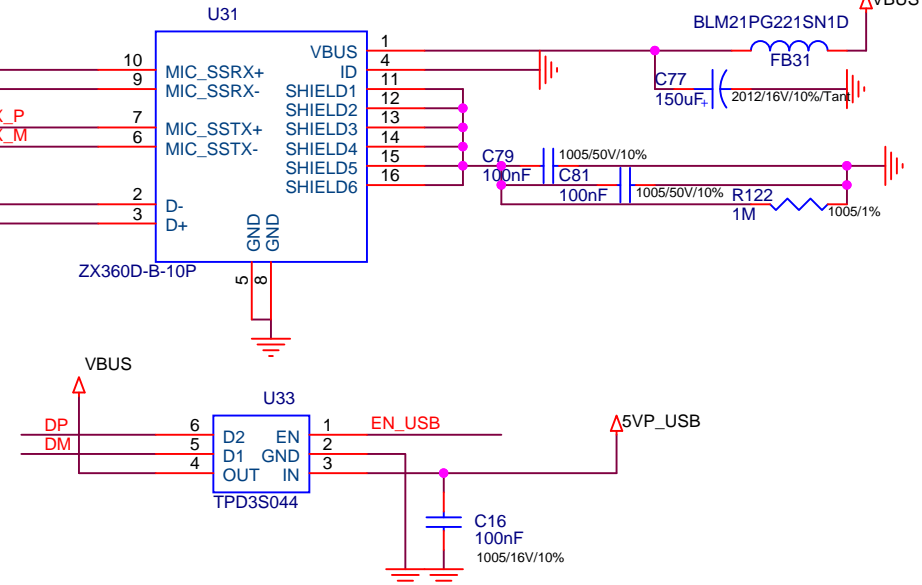


U1D



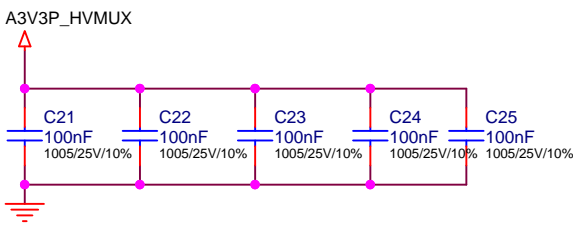
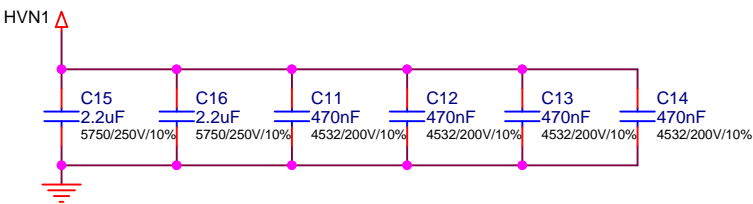
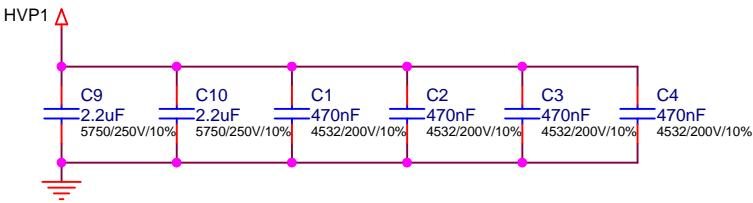
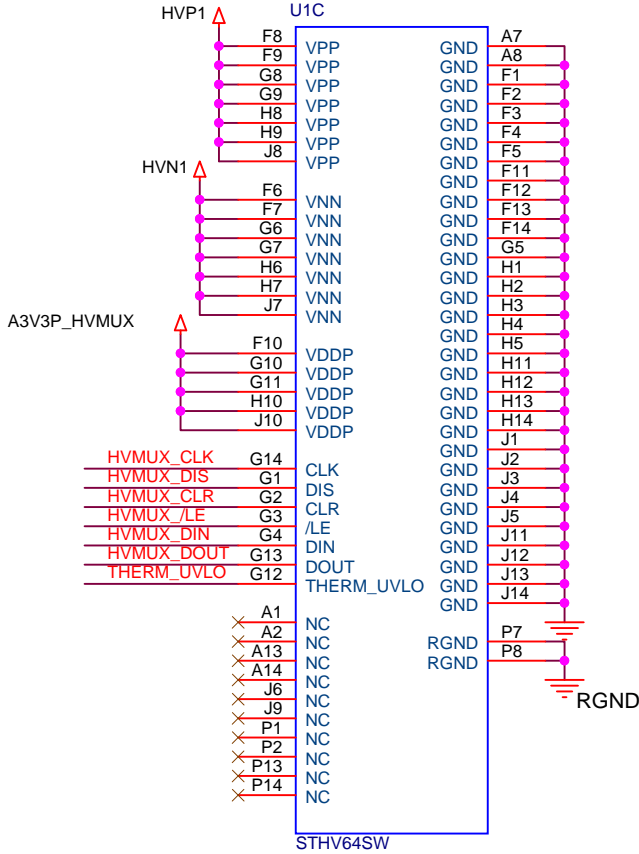
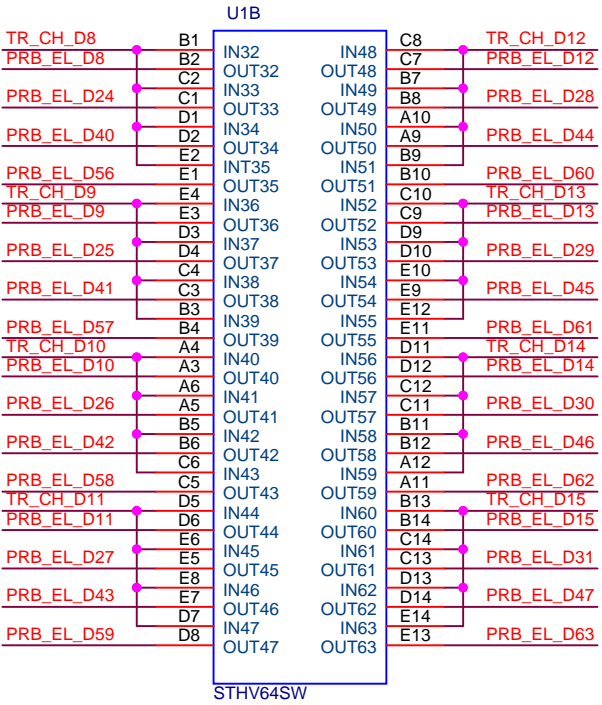
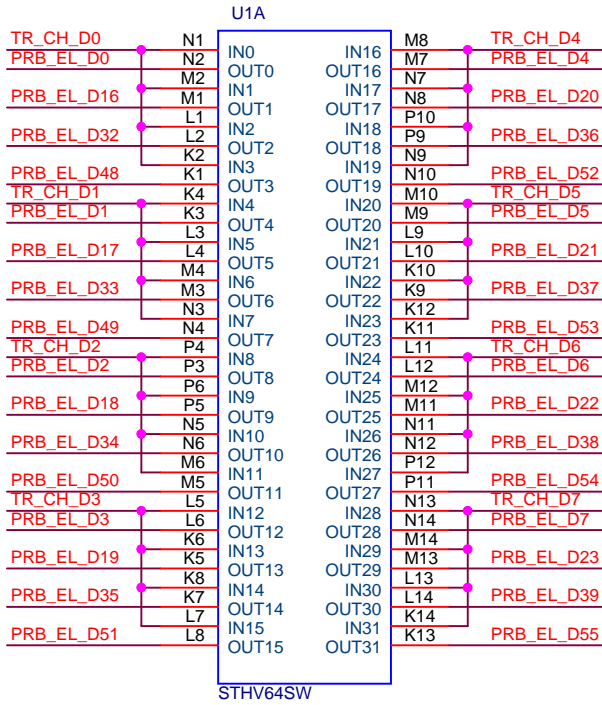
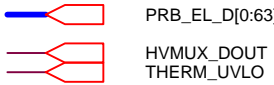
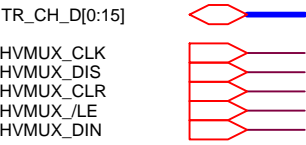
5VP_USB

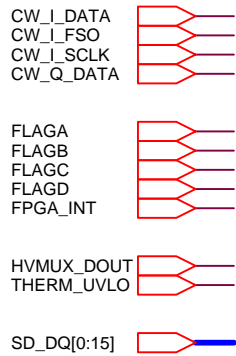
Micron_B



Title			<Title>
Size	A3	Document Number	<Doc>
Date:	Thursday, September 21, 2017	Sheet	1 of 1

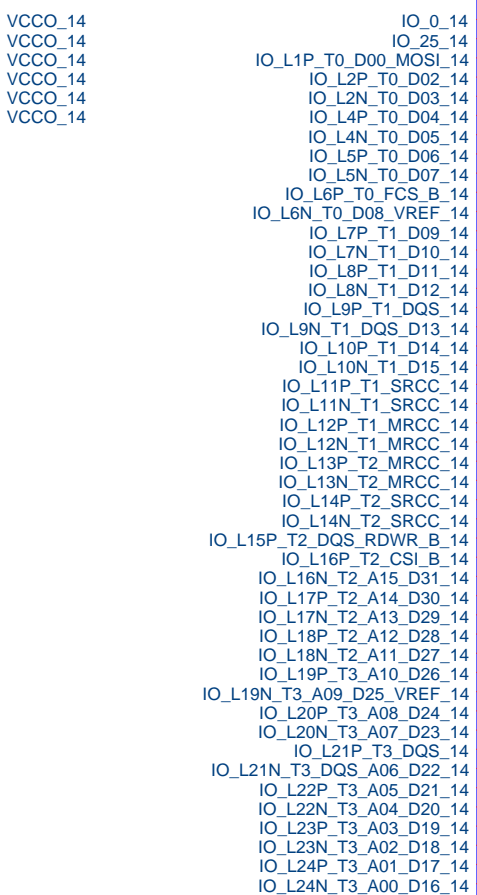




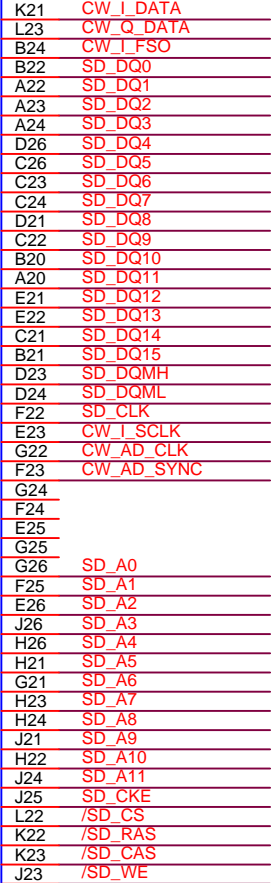


D3V3P_FPGA

U1-3

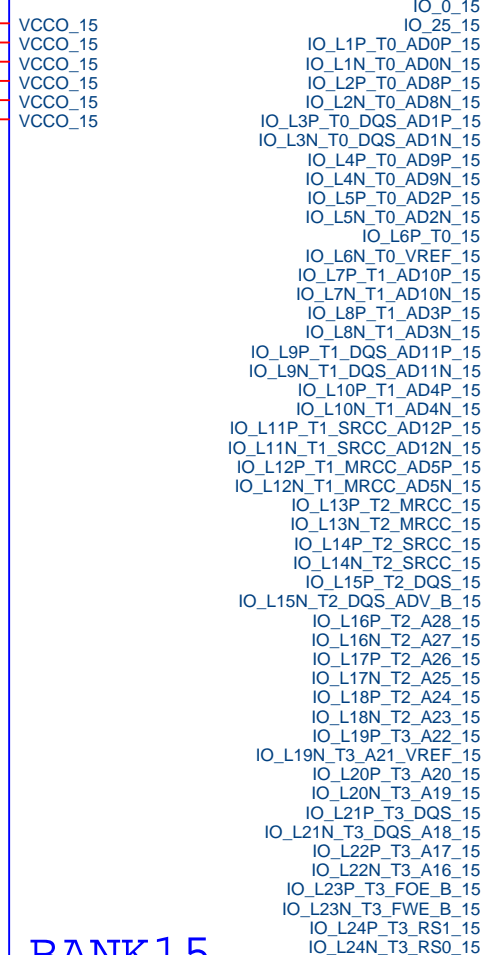


BANK14
XC7K70T-FB(G)676

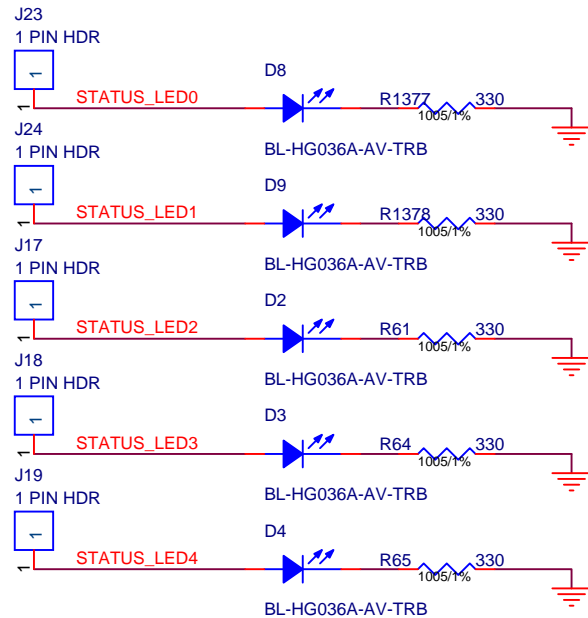
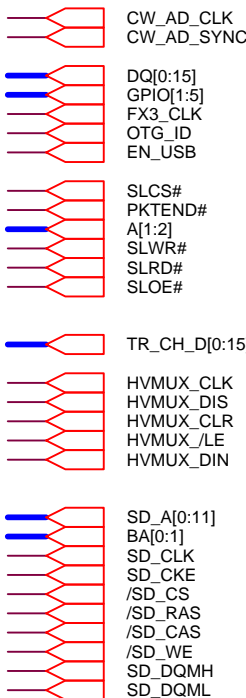


D3V3P_FPGA

U2-4

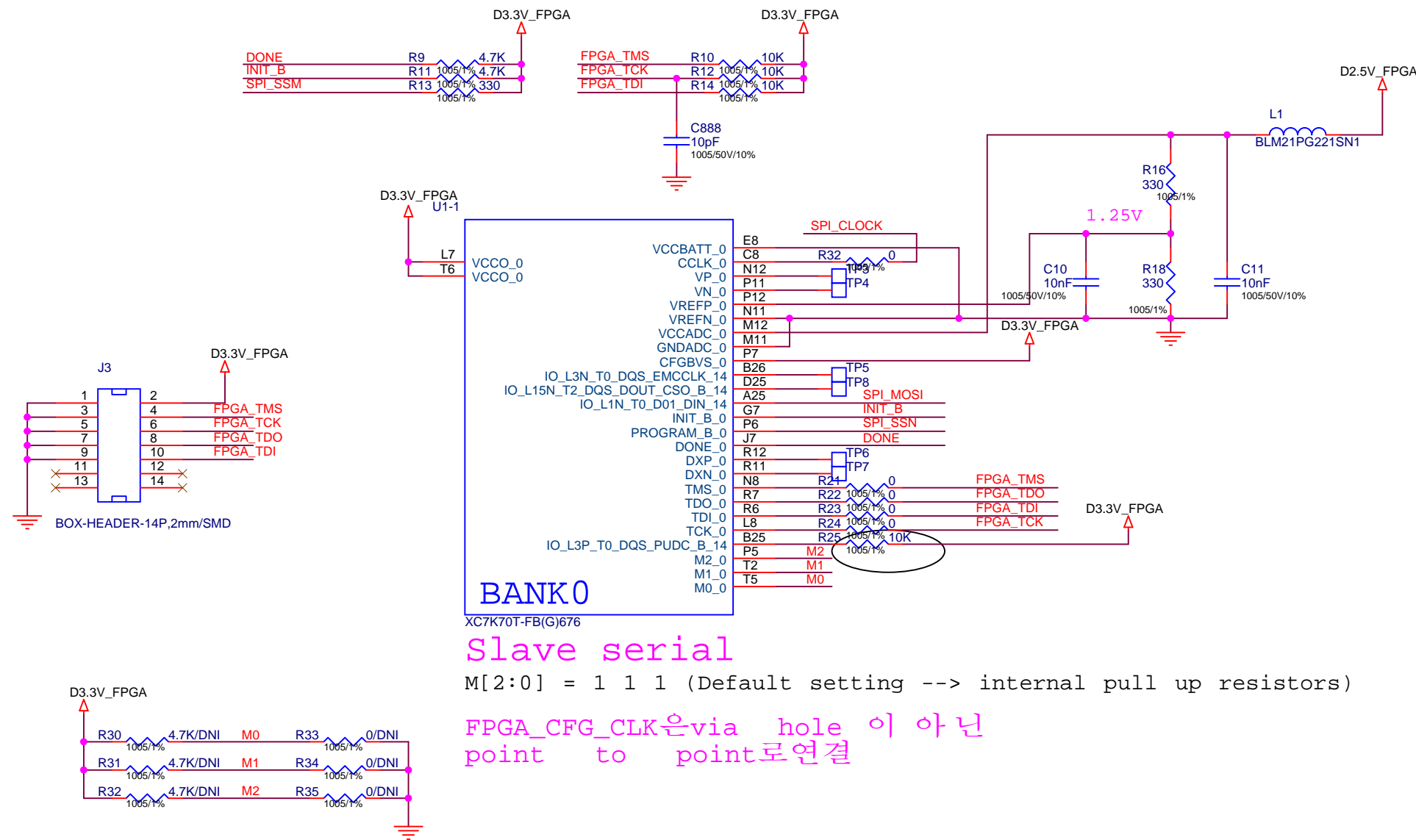


BANK15
XC7K70T-FB(G)676

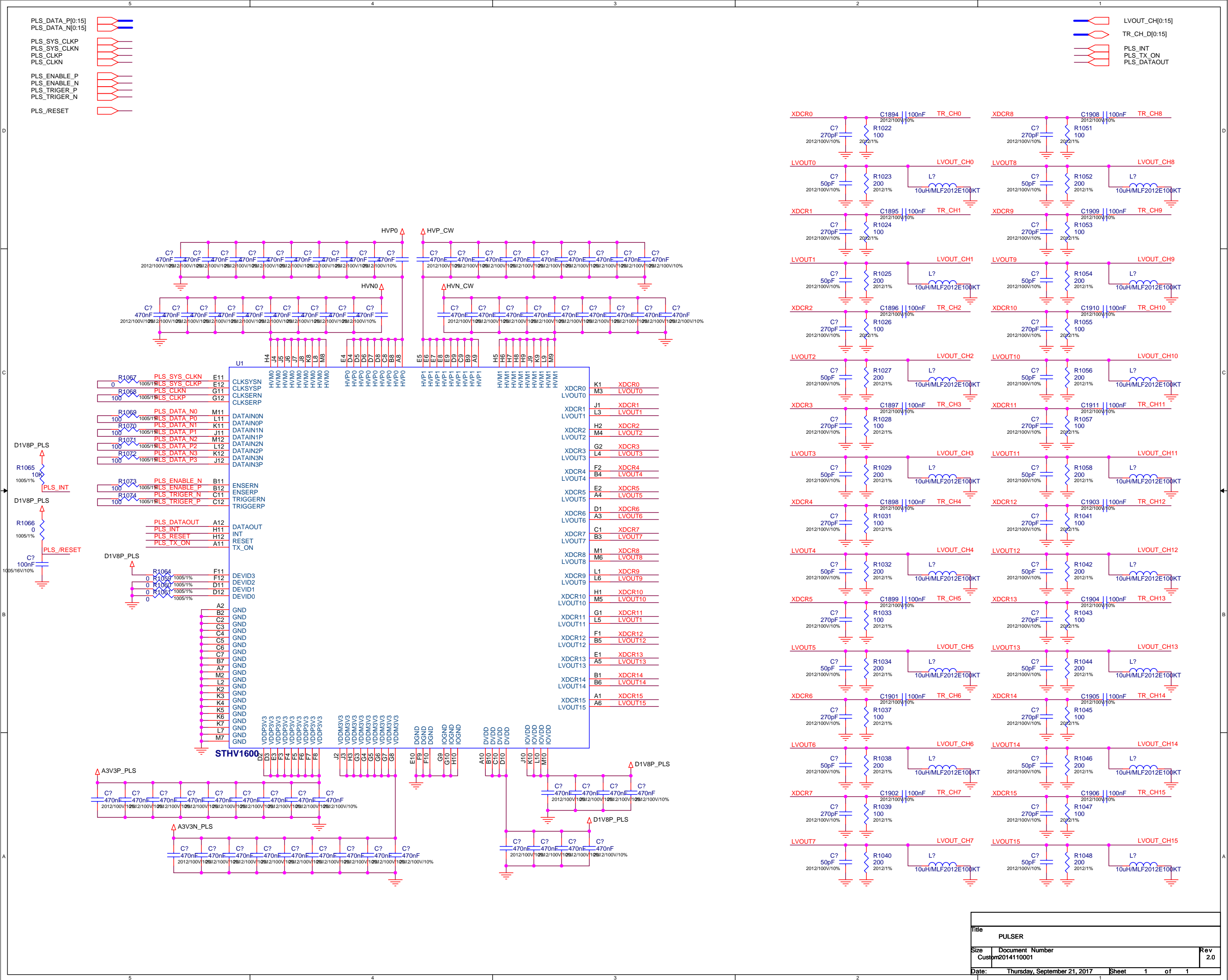


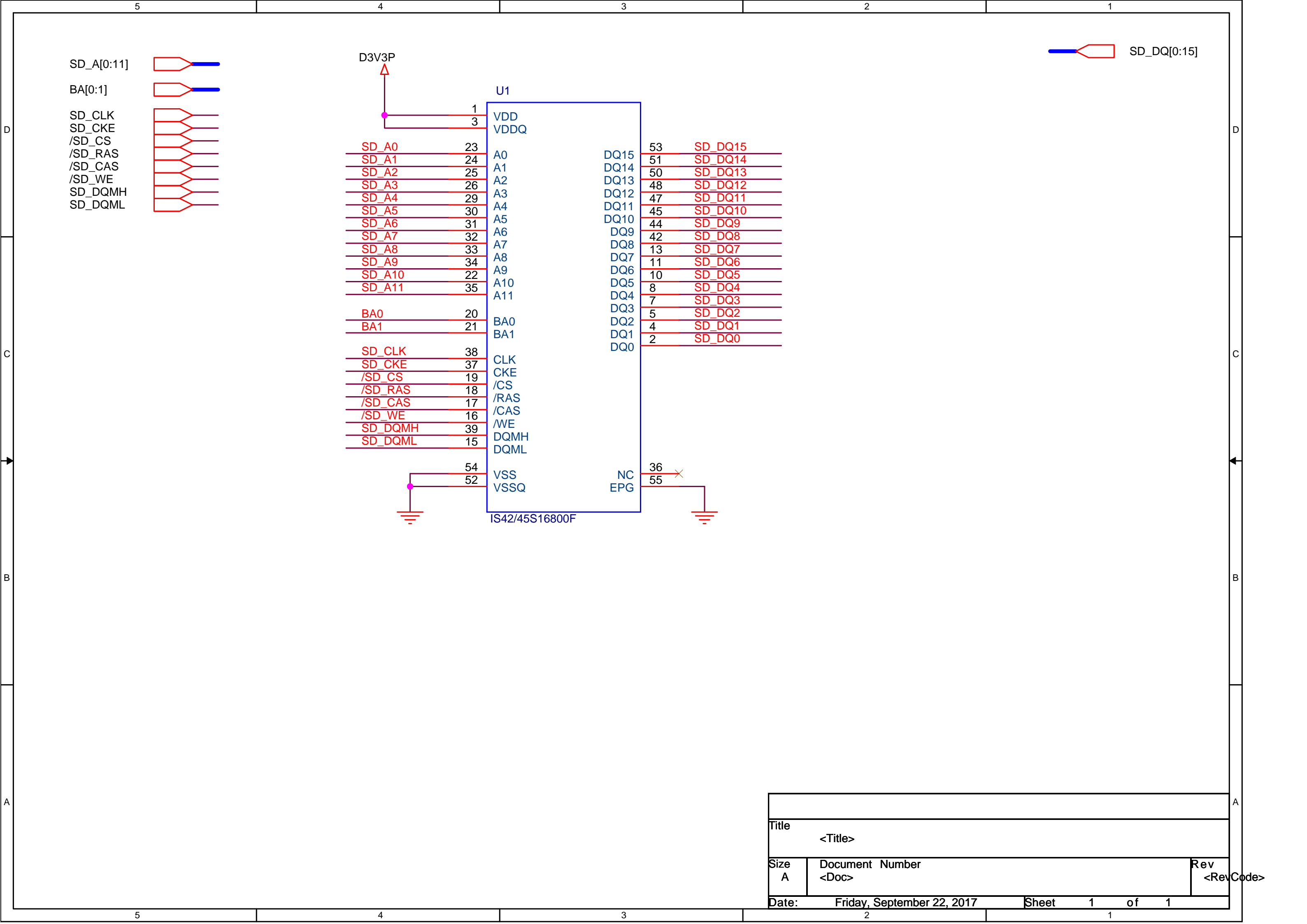
SPI_SSN
SPI_CLOCK
SPI_MOSI

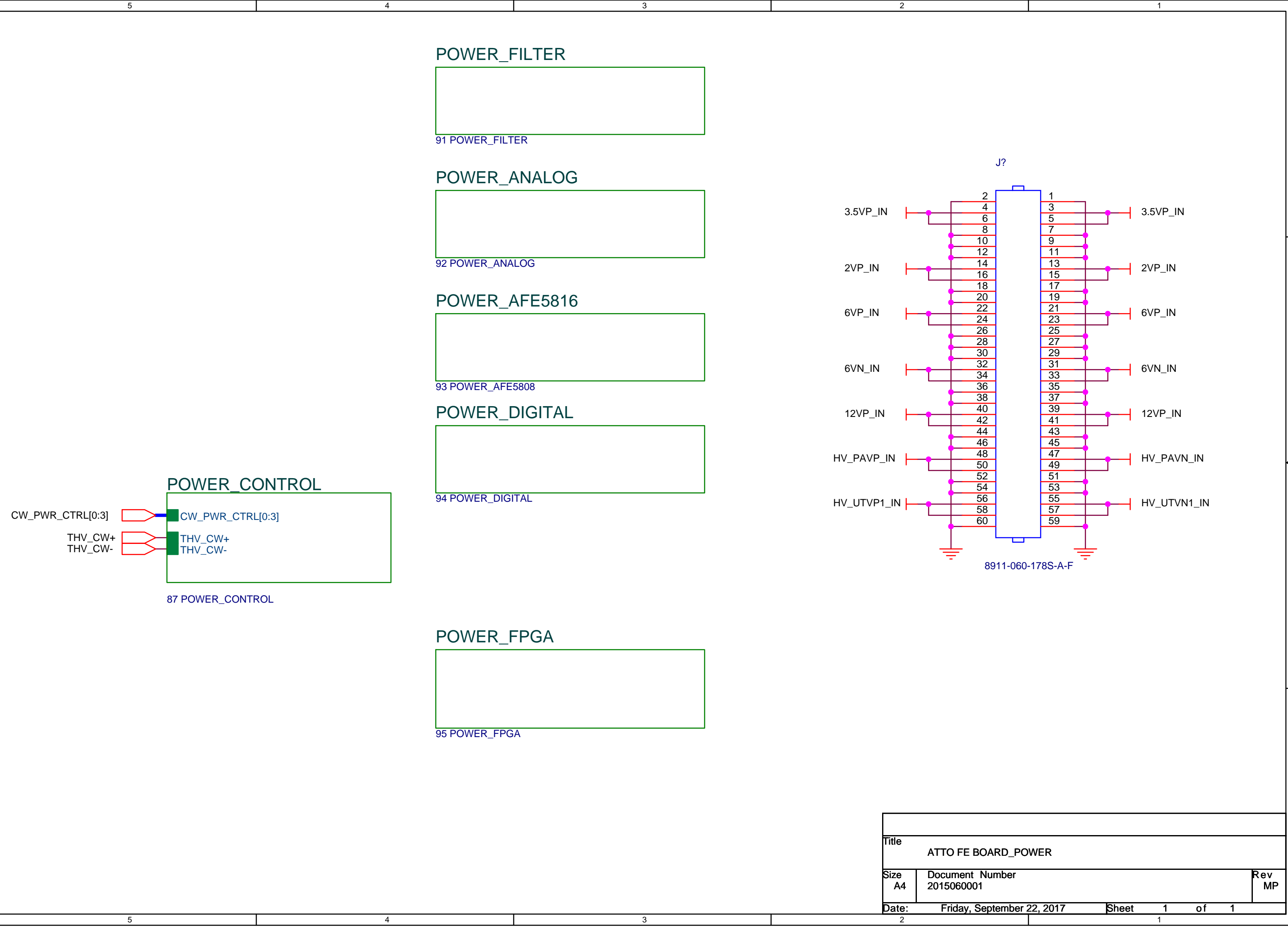
INIT_B
DONE



Title			
FPGA_CONFIG			
Size	Document Number	Rev	
A3	2014110001	2.0	
Date:	Thursday, September 21, 2017	Sheet	1 of 1



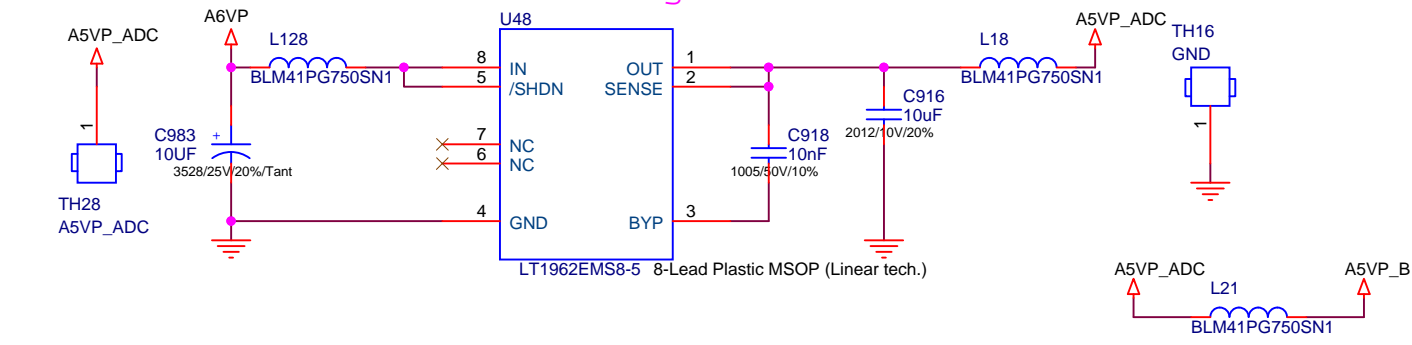




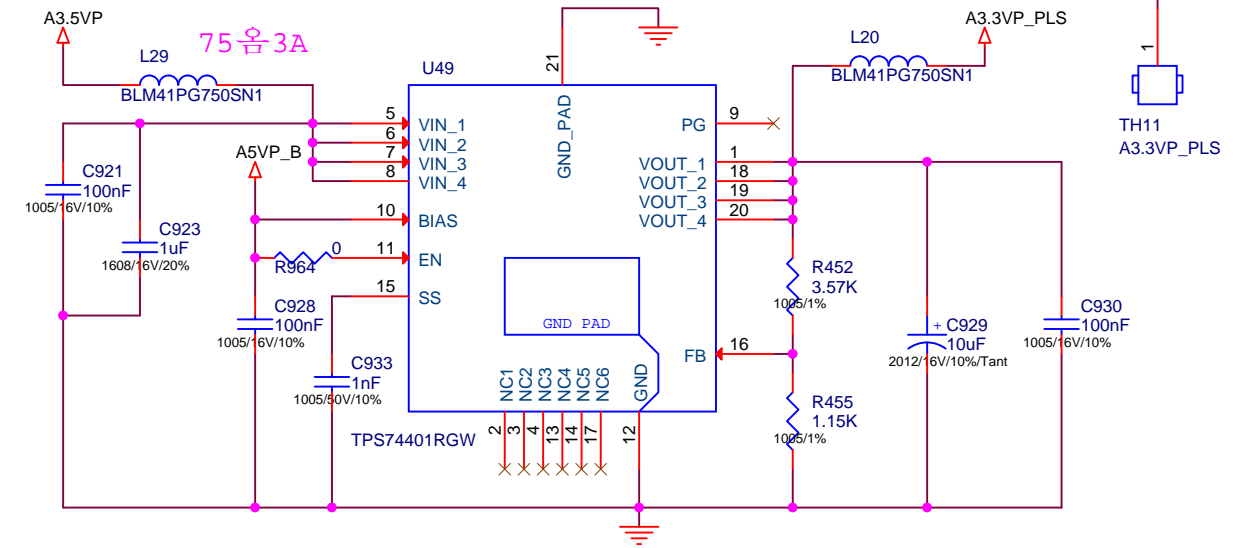
Title			
ATTO FE BOARD_POWER			
Size	Document Number		Rev
A4	2015060001		MP
Date:	Friday, September 22, 2017		Sheet 1 of 1

A12VP → A6VP

Voltage Monitor

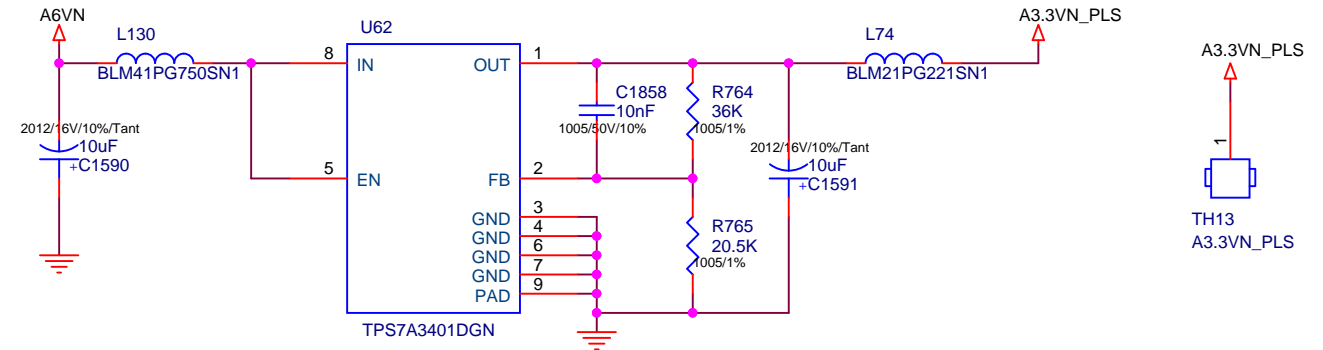
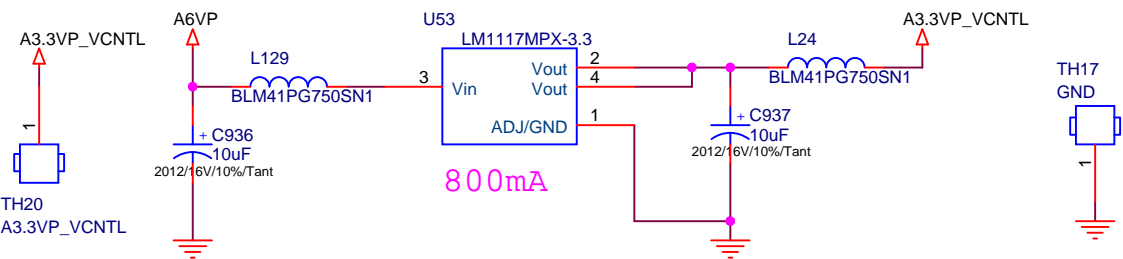


Support Power for Pulser 0 ~ 15 CHIP

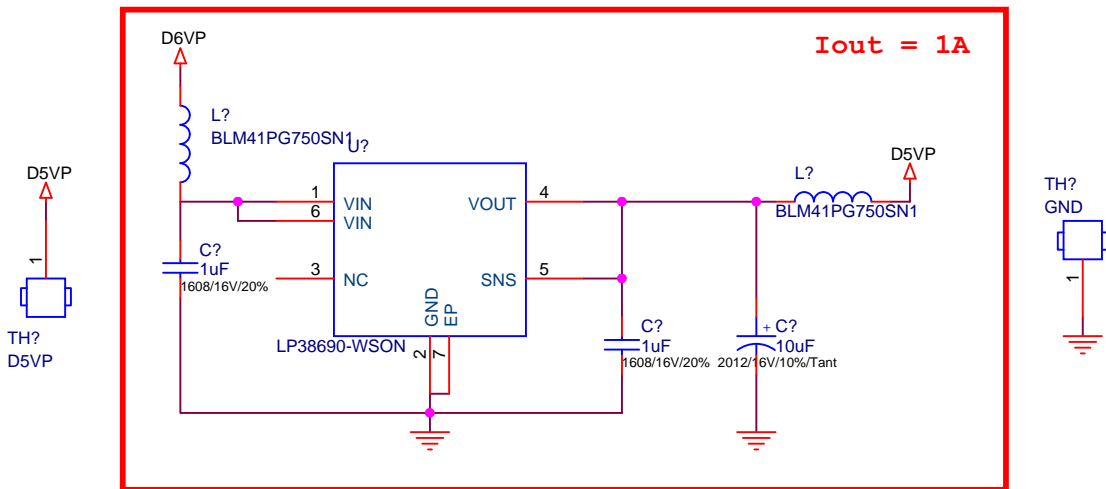


A5VP → A6VP

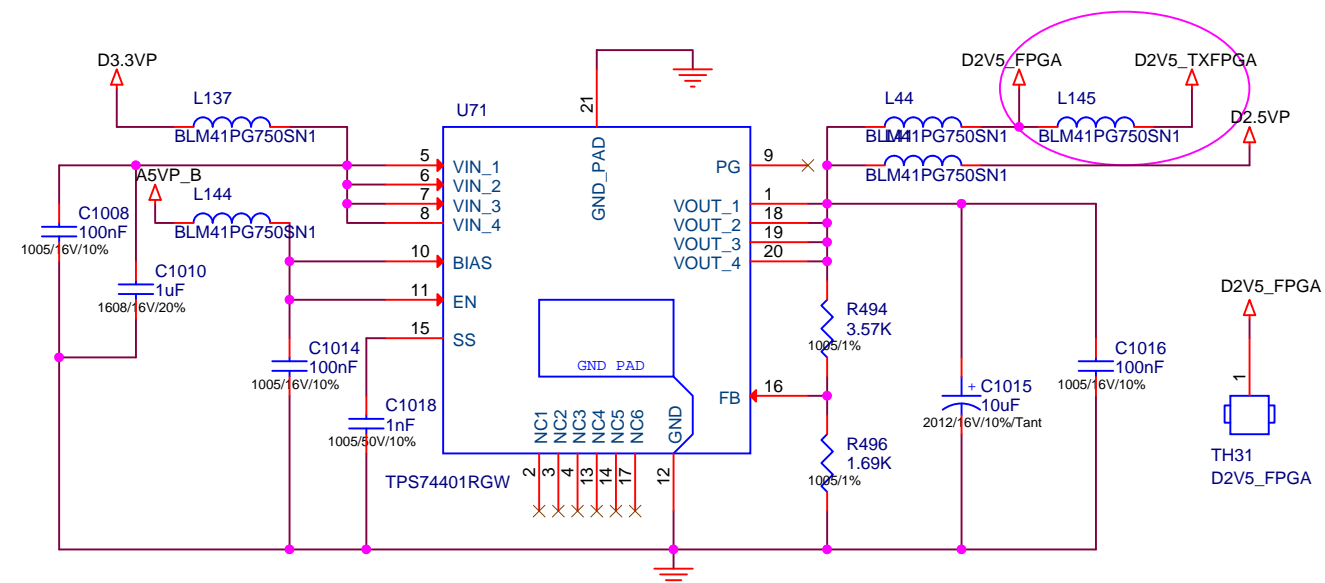
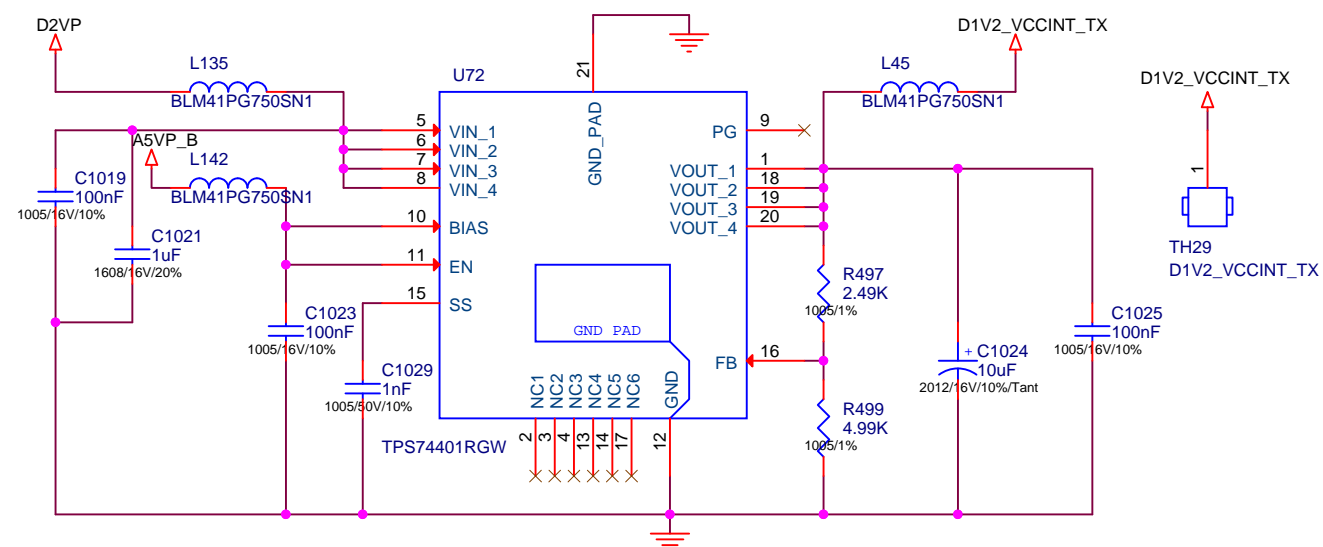
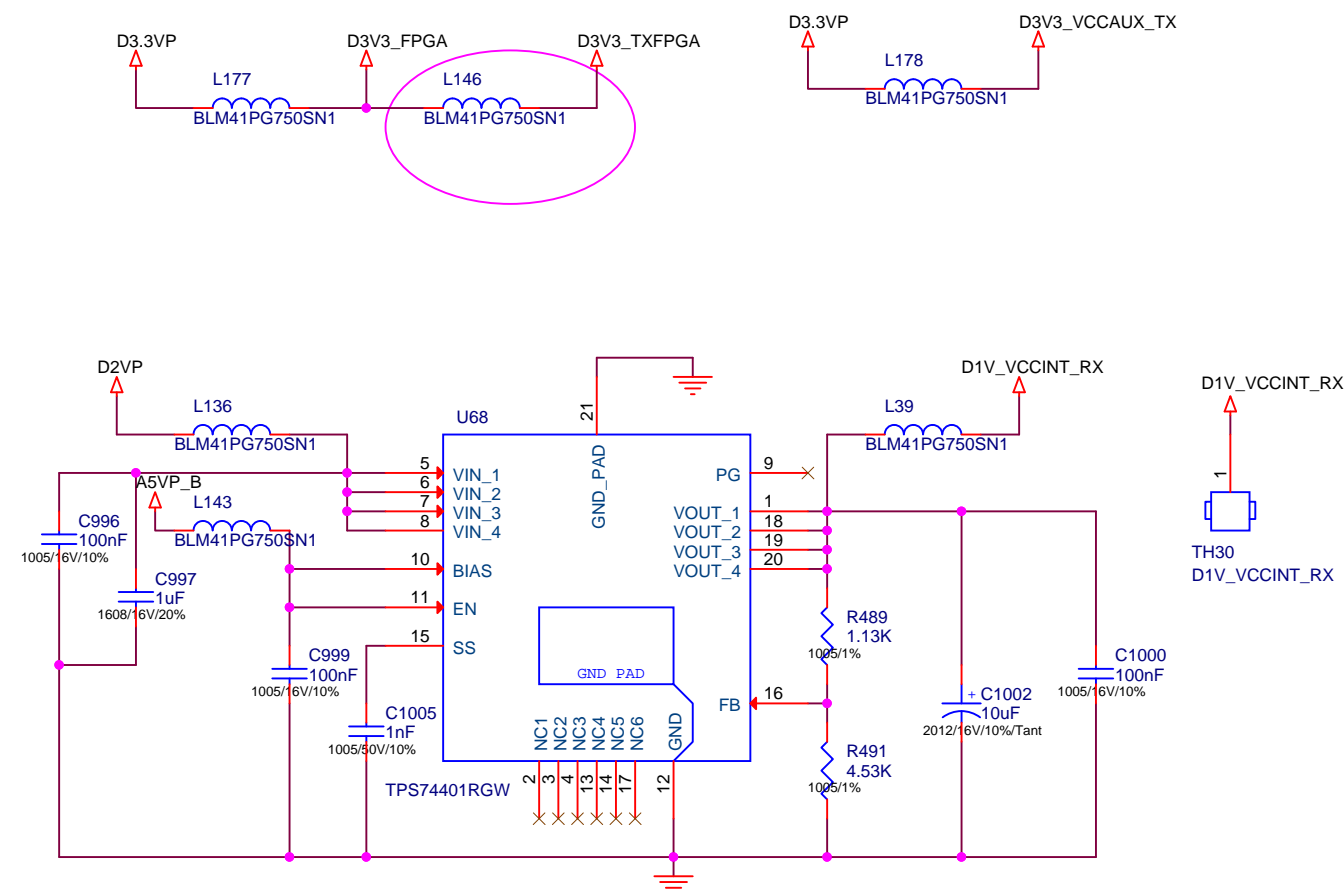
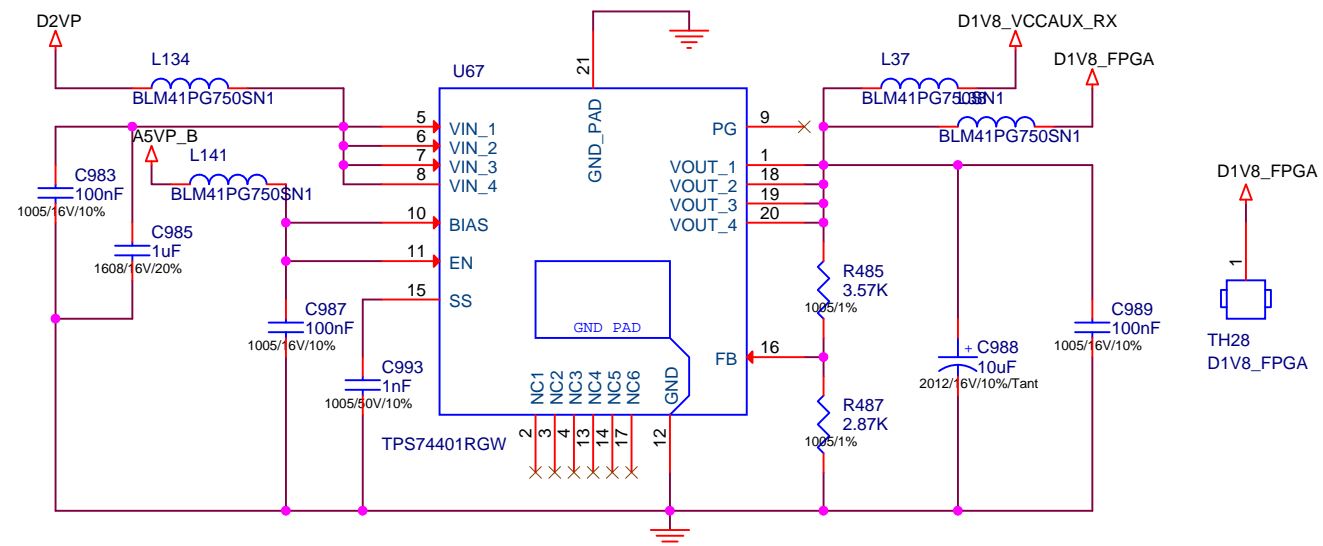
Support Power for ATGC Module

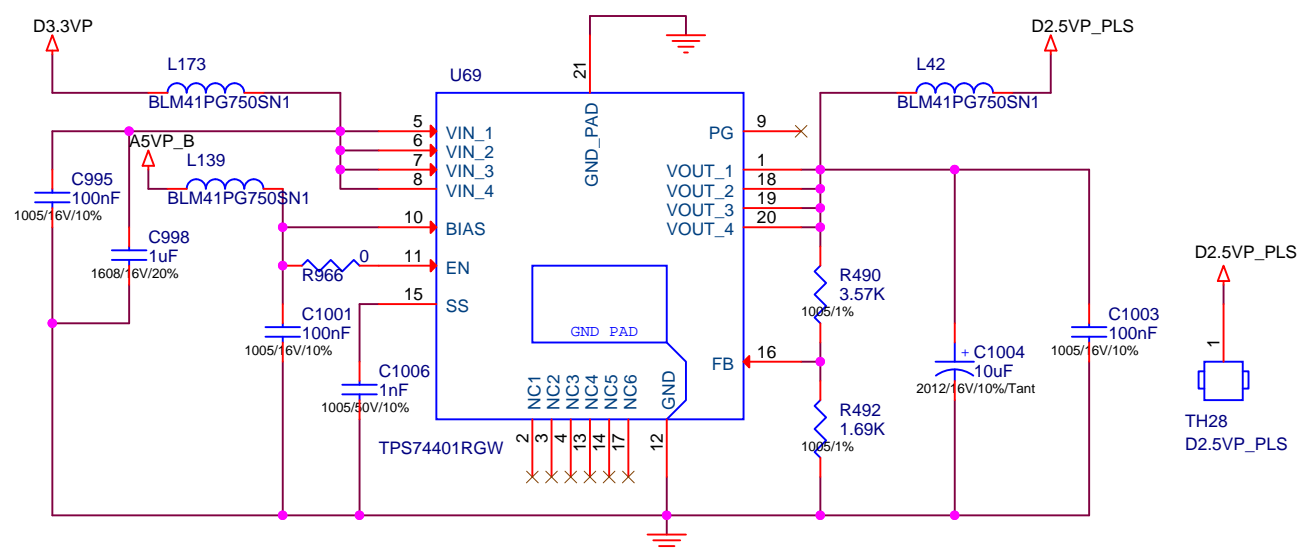


Iout = 1A

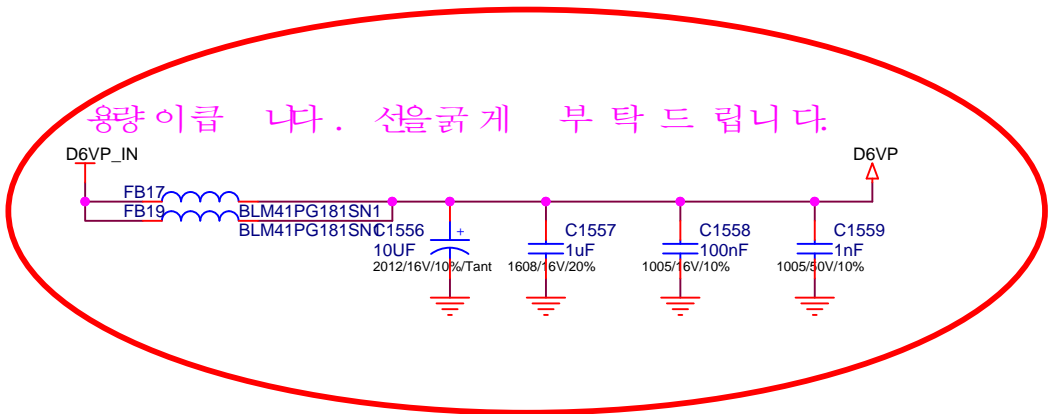
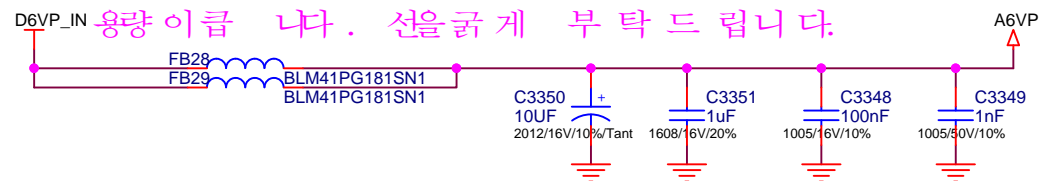
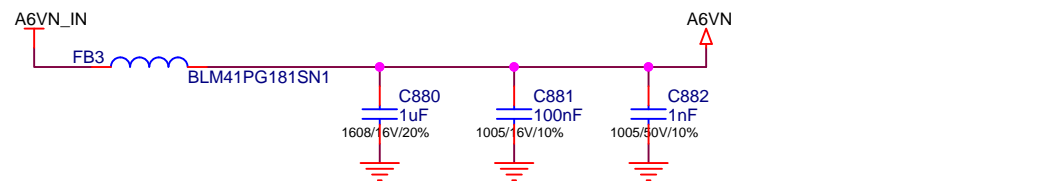
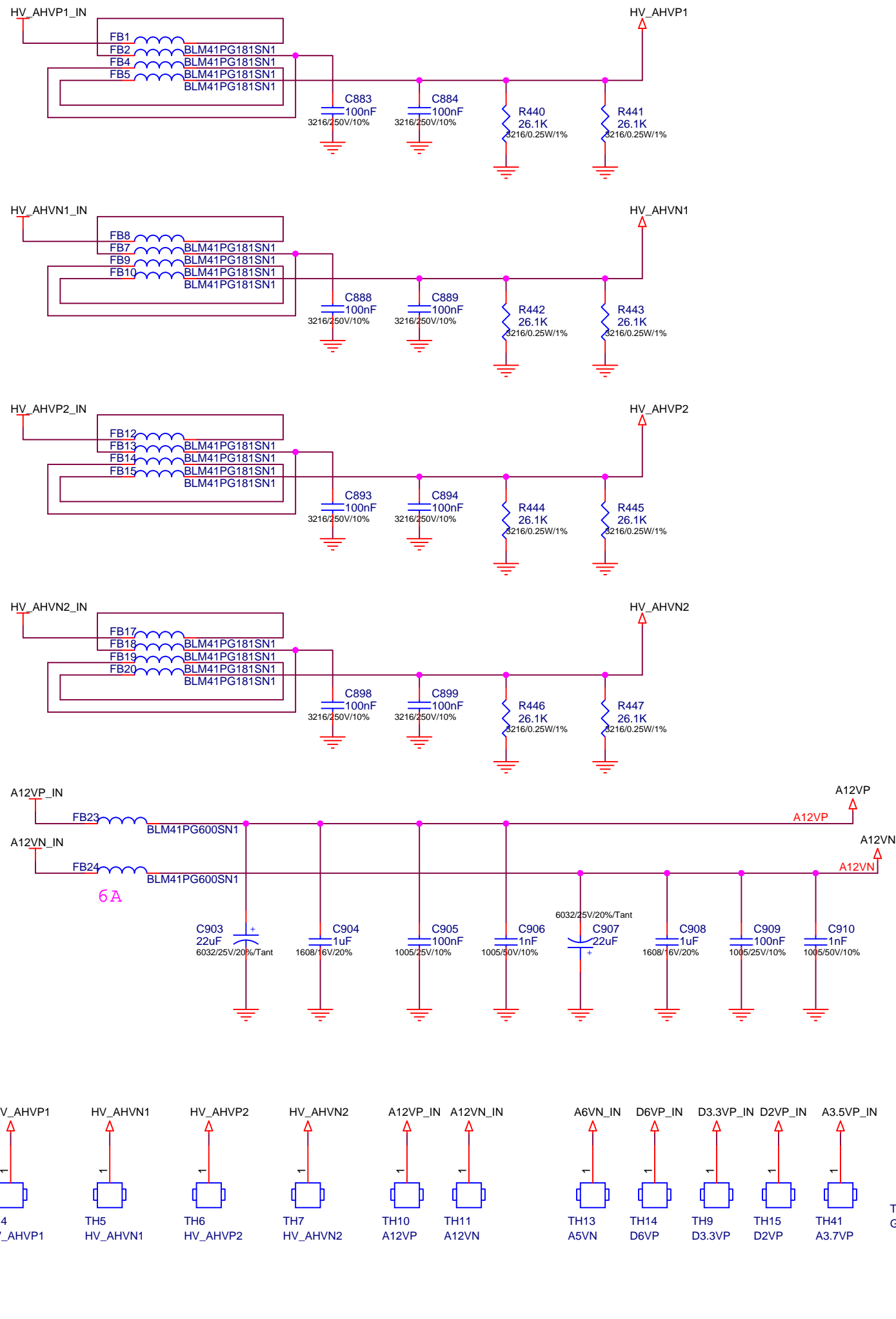


Title ATTO FE BOARD_POWER ANALOG		
Size A3	Document Number 2015060001	Rev MP
Date: Friday, September 22, 2017	Sheet 1 of 1	

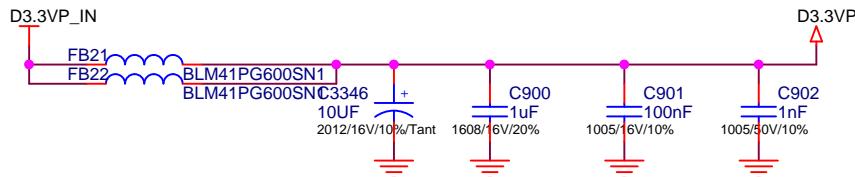




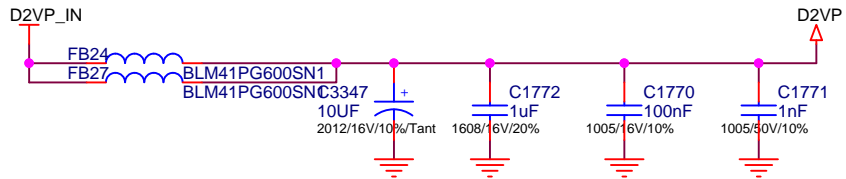
Title		
ATTO FE BOARD_POWER DIGITAL		
Size	Document Number	Rev
A3	2015060001	MP
Date:	Friday, September 22, 2017	Sheet 1 of 1



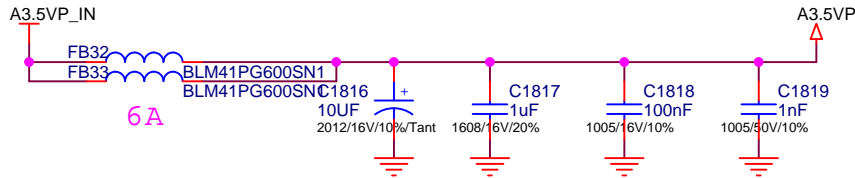
용량 이큅 나다 . 선을 굵게 부탁 드립니다



용량 이큅 나다 . 선을 굵게 부탁 드립니다

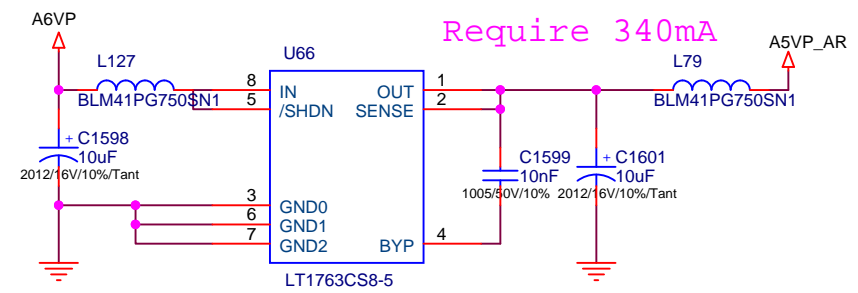


용량 이큅 나다 . 선을 굵게 부탁 드립니다

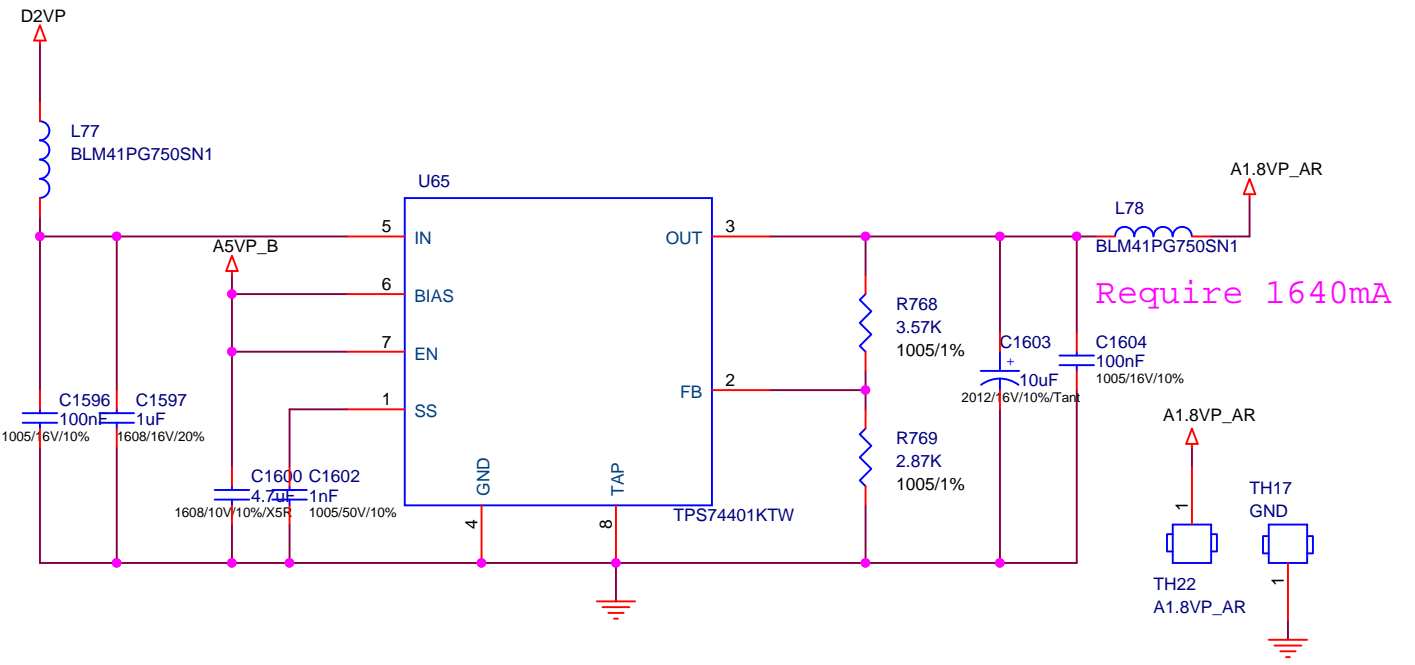
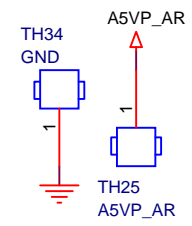
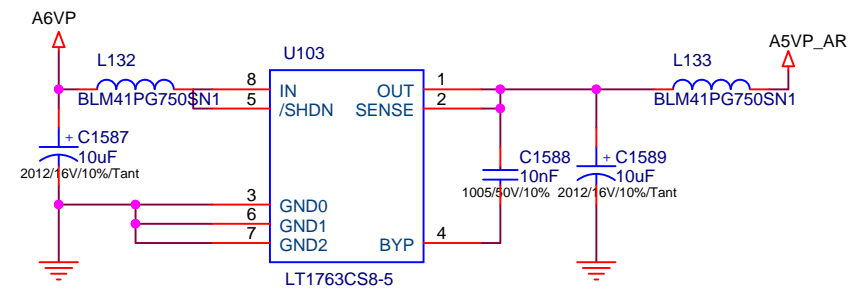


Title		
ATTO FE BOARD_POWER FILTER		
Size	Document Number	Rev
A3	2015060001	MP
Date:	Friday, September 22, 2017	Sheet 1 of 1

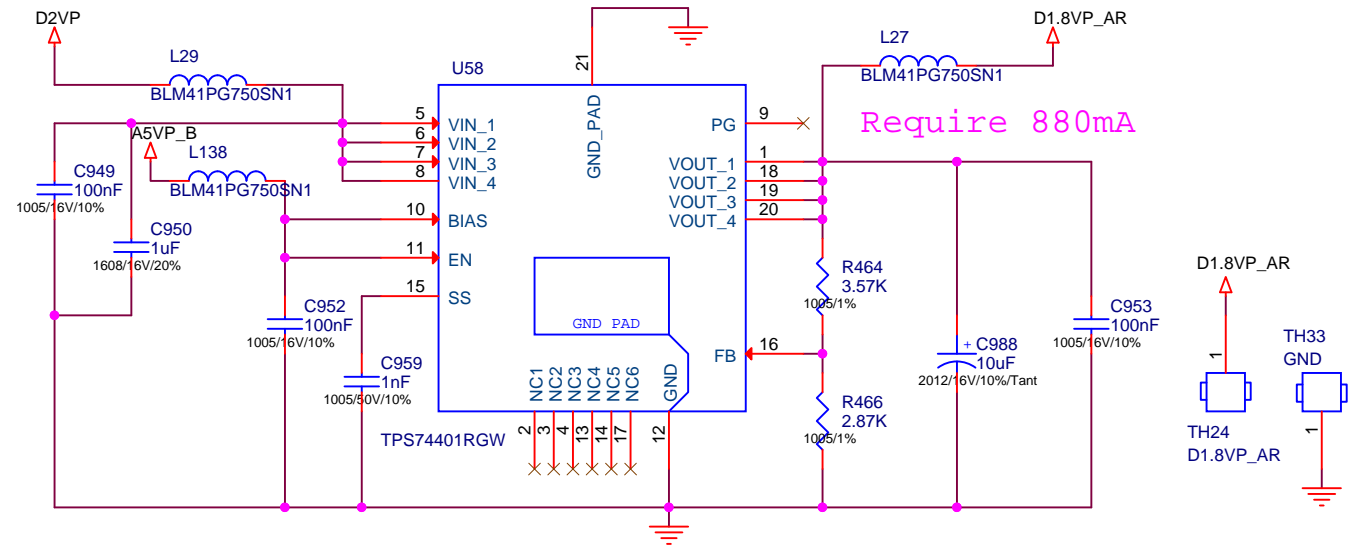
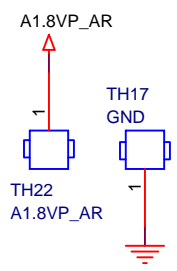
A12VP → A6VP



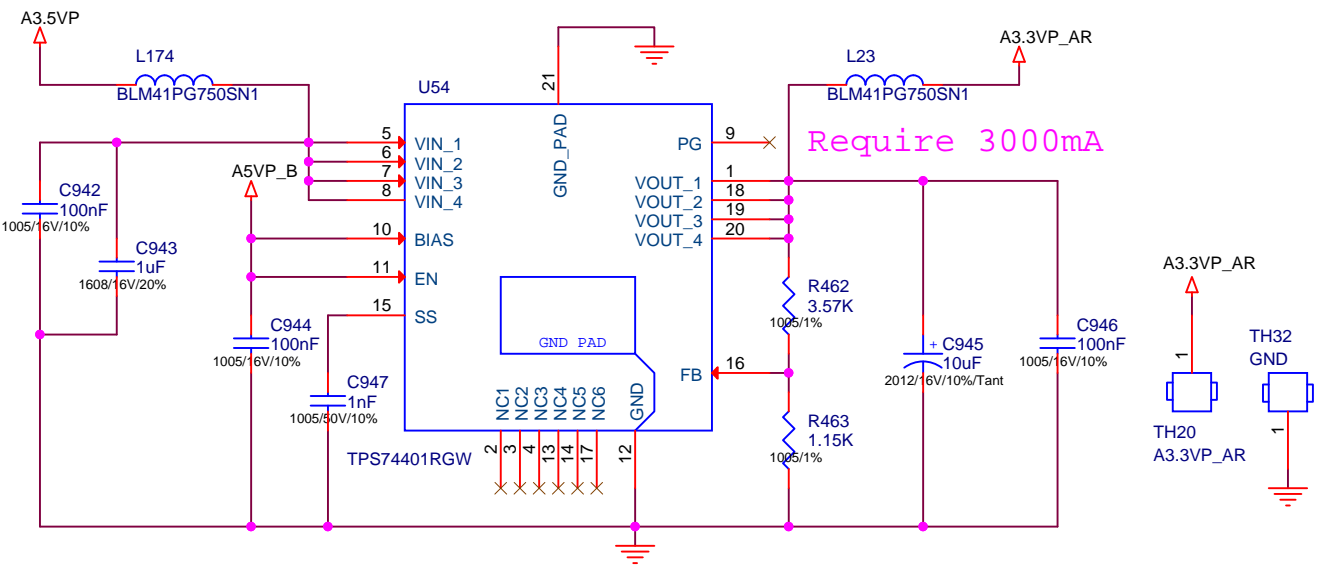
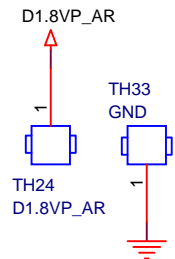
Require 340mA



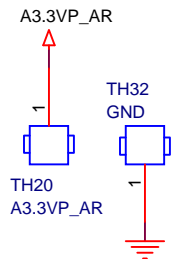
Require 1640mA

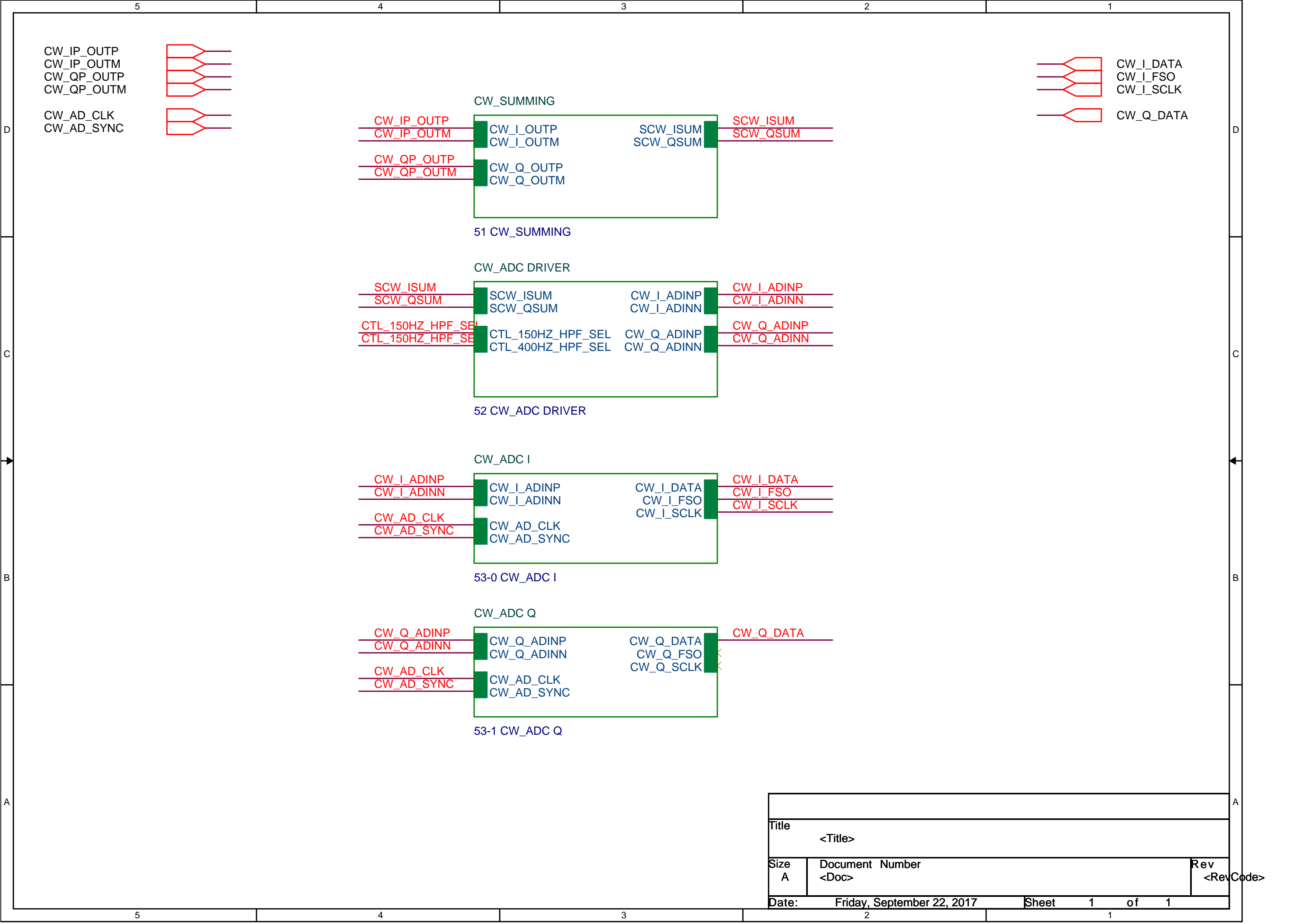


Require 880mA



Require 3000mA



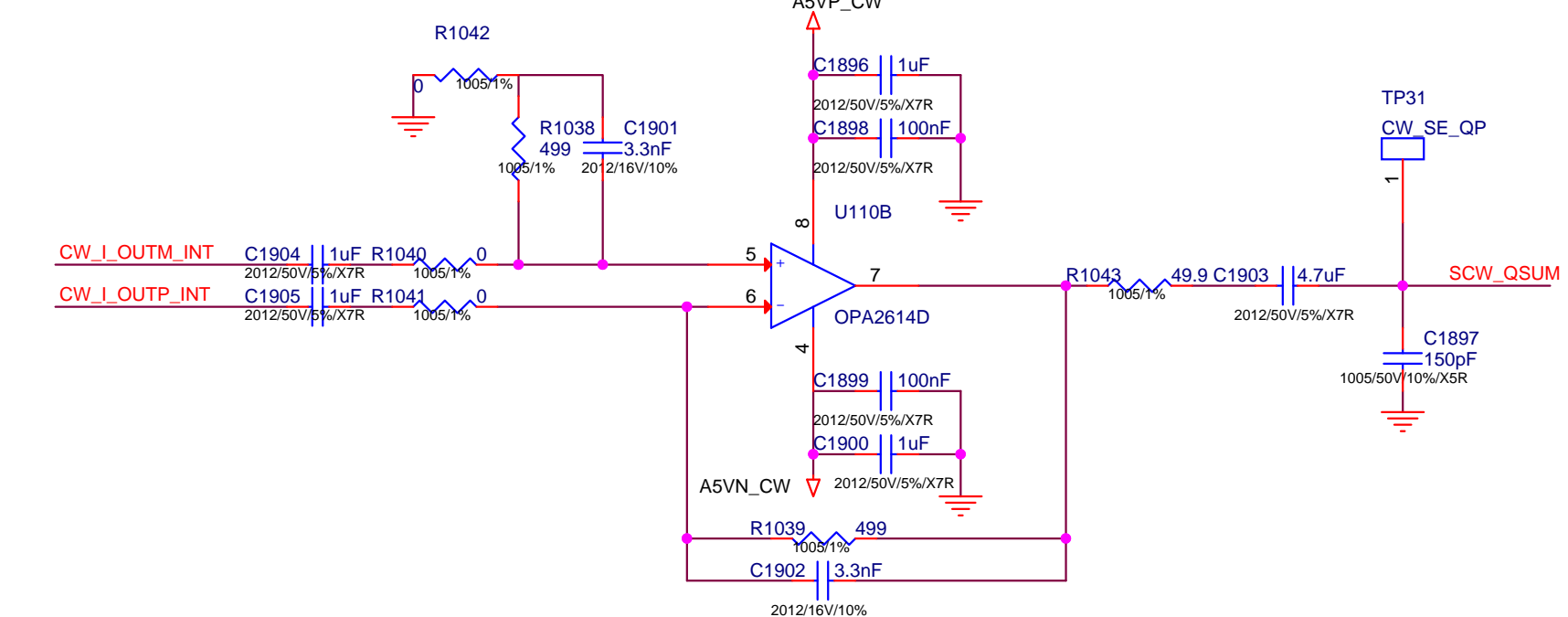
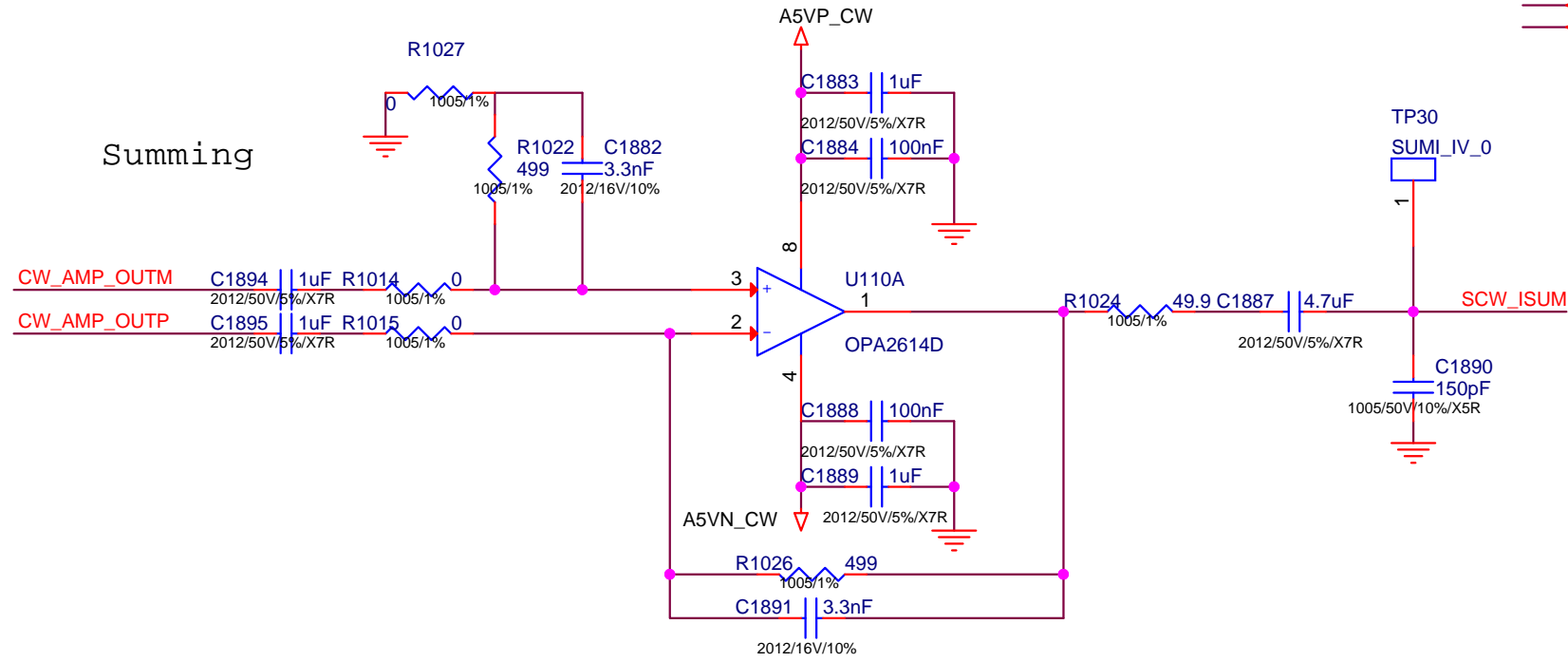
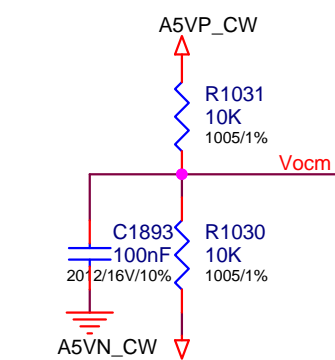
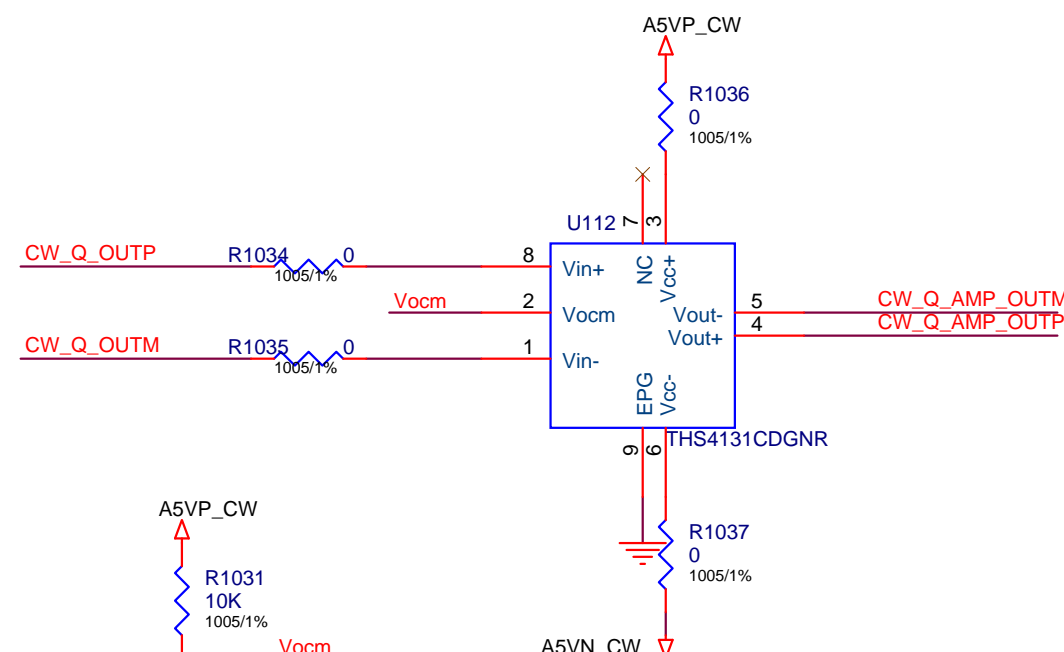
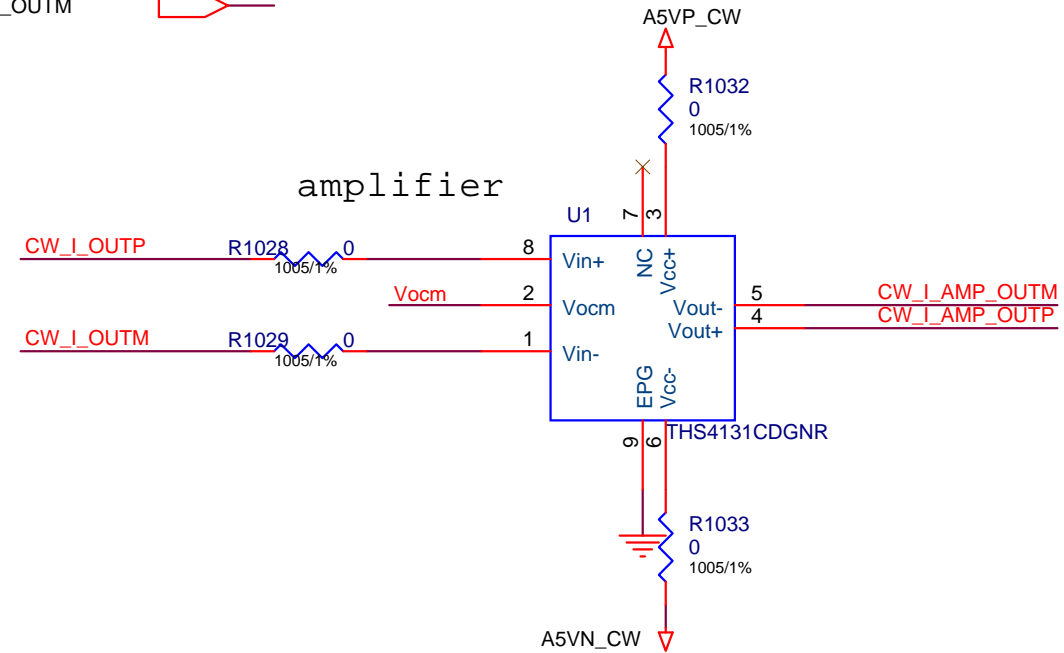


CW_I_OUTP
CW_I_OUTM
CW_Q_OUTP
CW_Q_OUTM

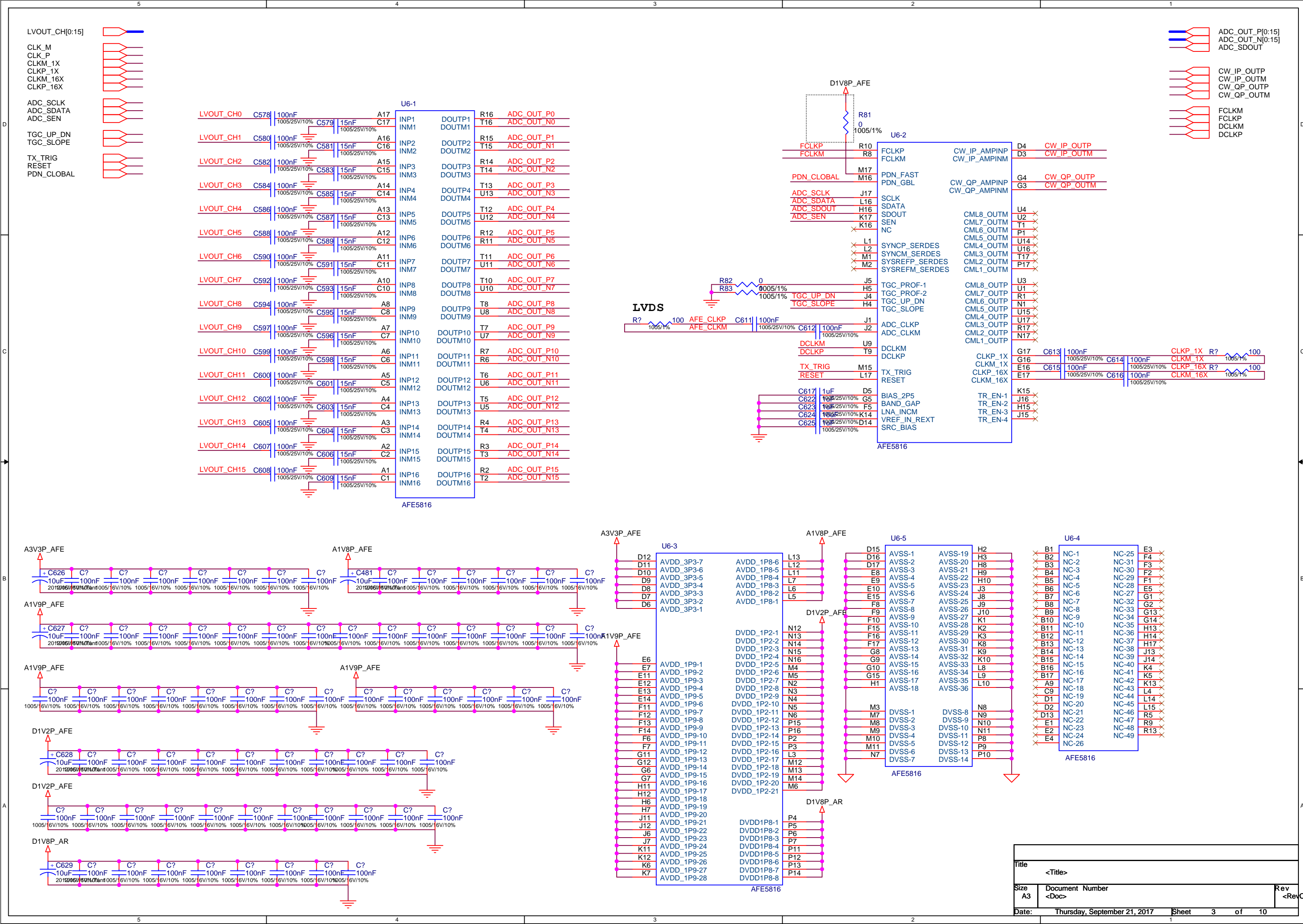
SCW_ISUM
SCW_QSUM

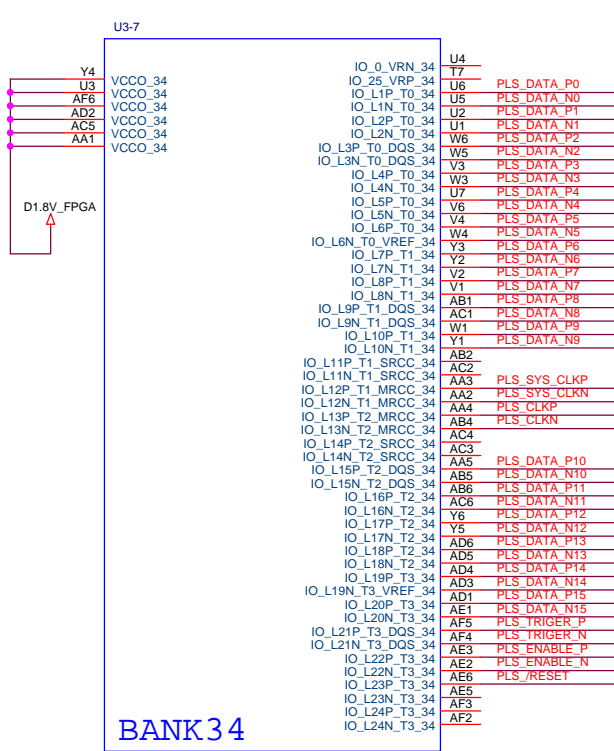
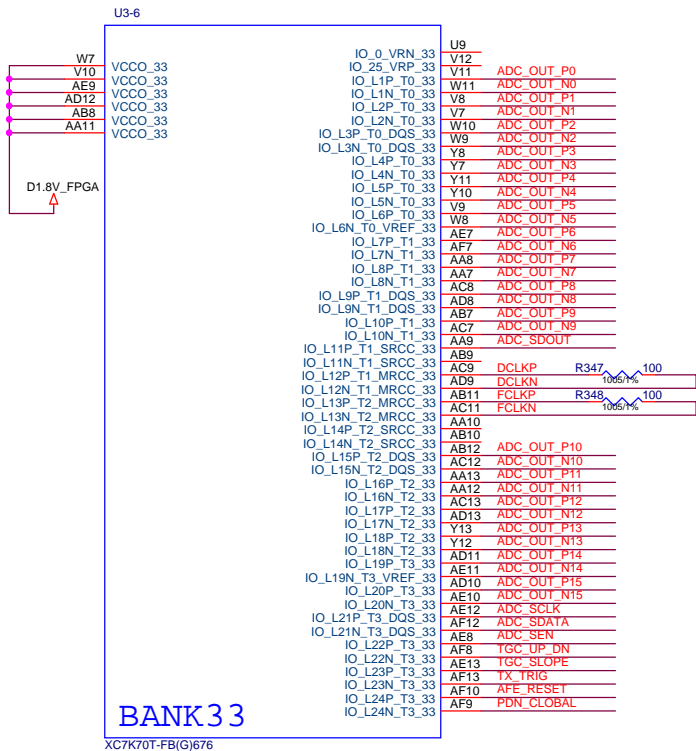
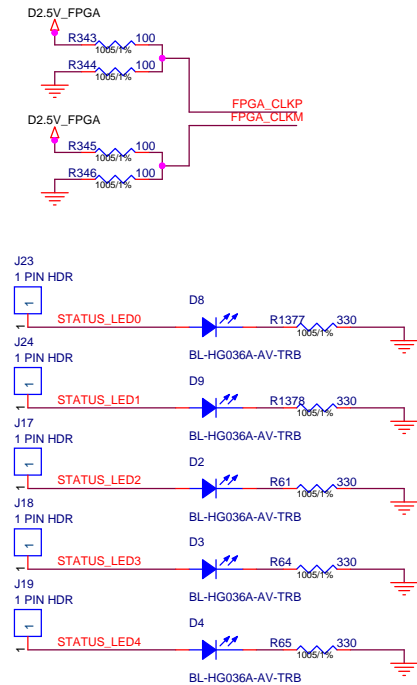
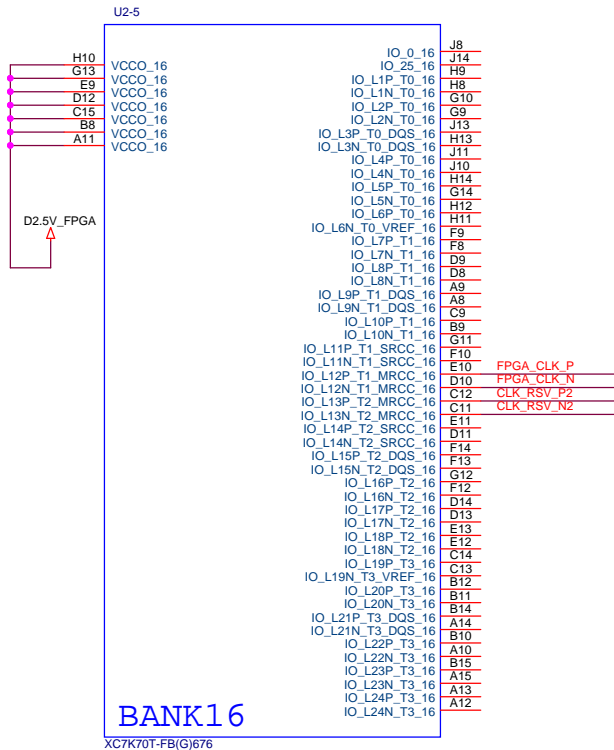
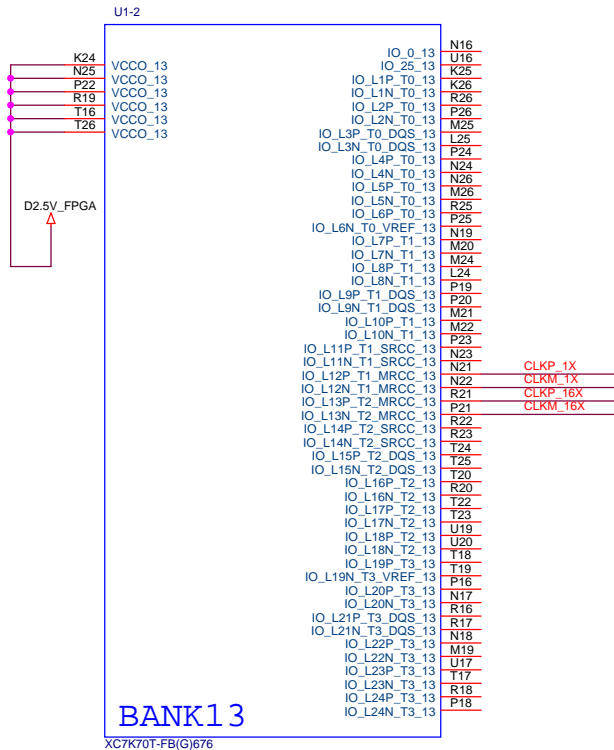
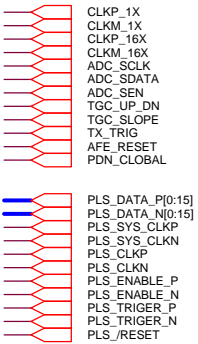
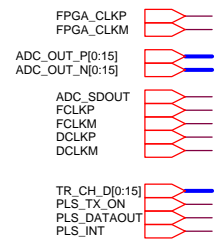
amplifier

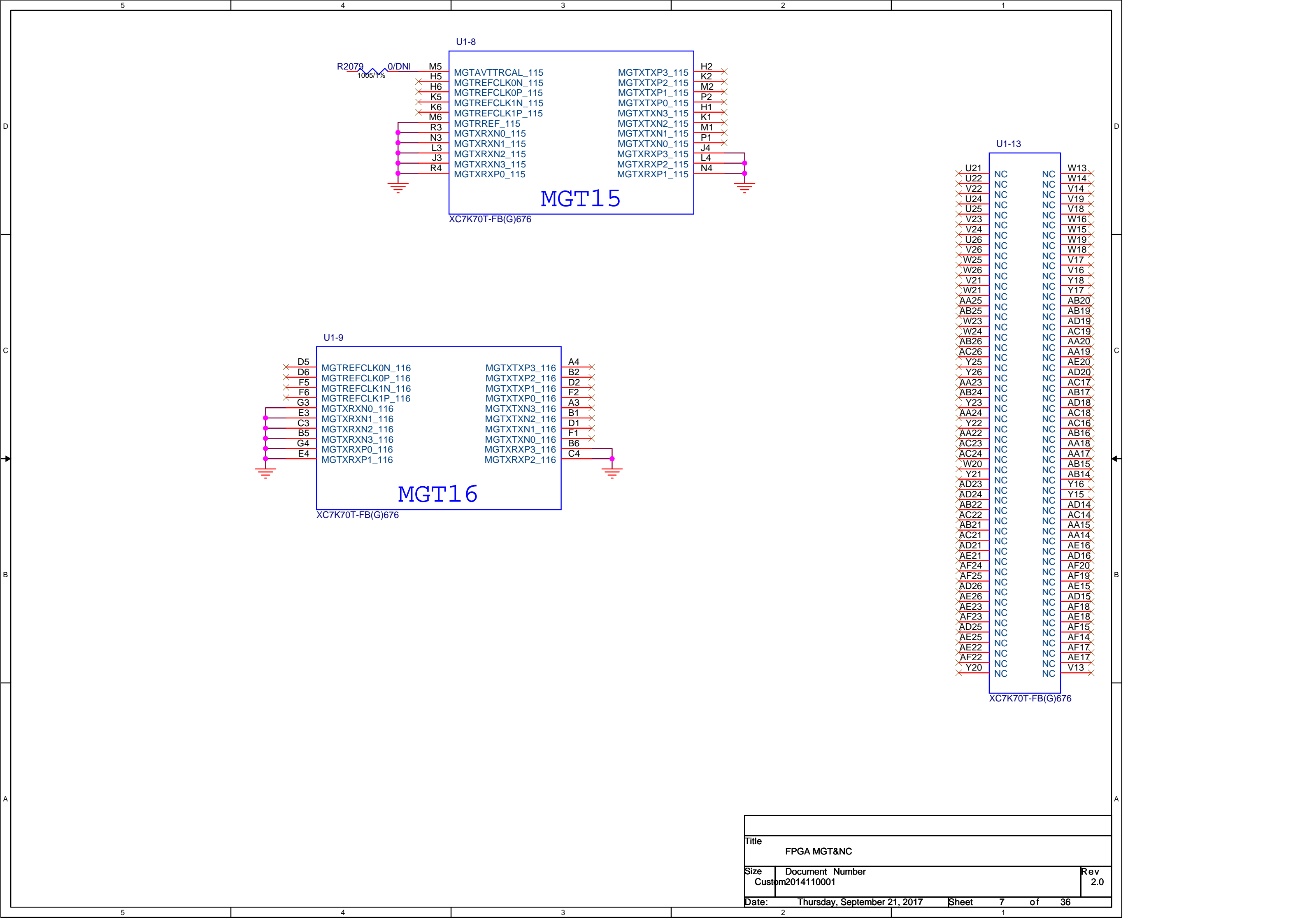
Summing

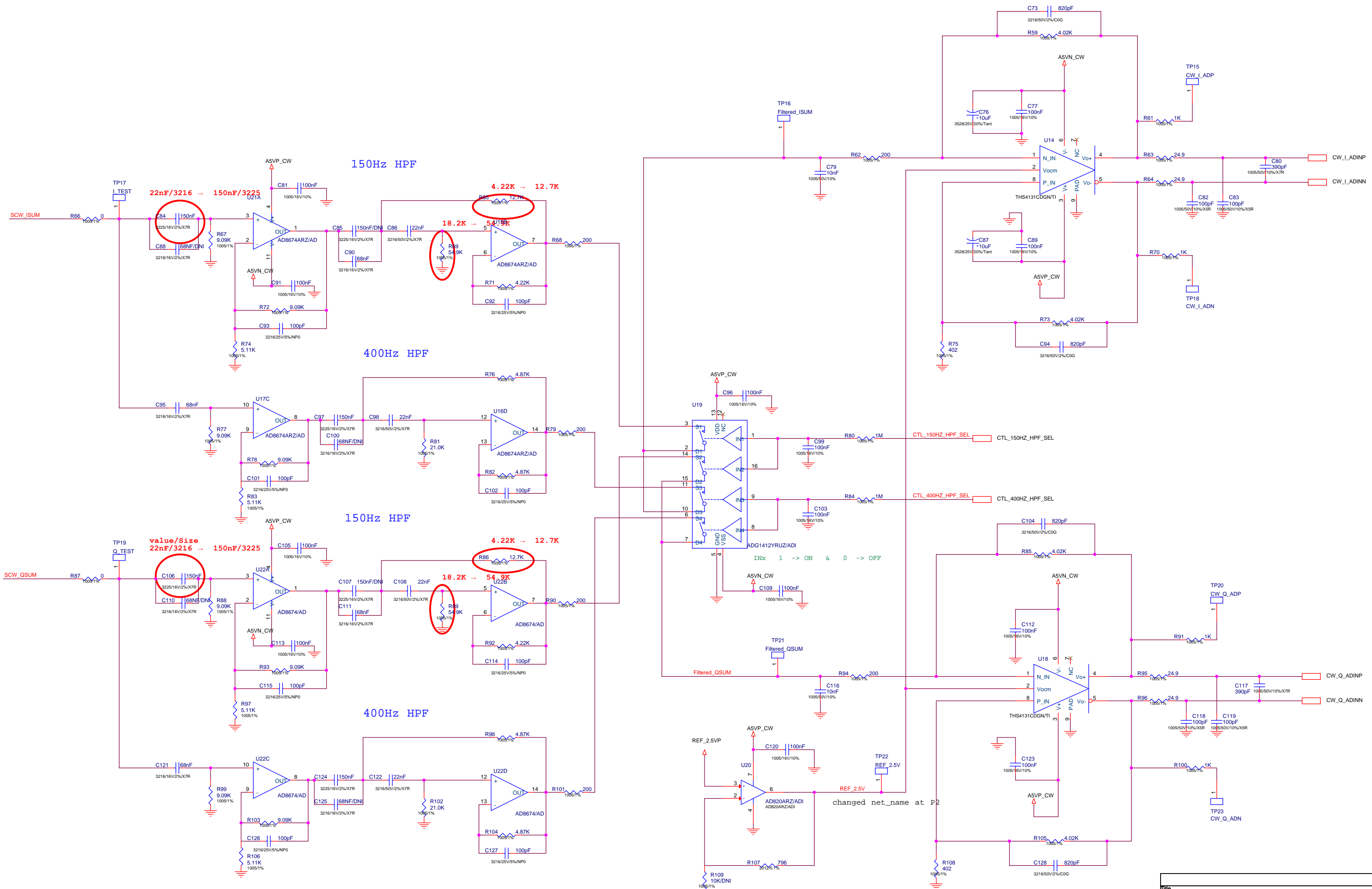


Title			<Title>			
Size	Document Number				Rev	<RevC>
Custom	<Doc>					
Date:	Wednesday, September 20, 2017			Sheet	1 of 1	









Title		
f9g		
Size	Document Number	Rev
A2	ol	MP
Date:	Friday, September 22, 2017	Sheet 8 of 14



