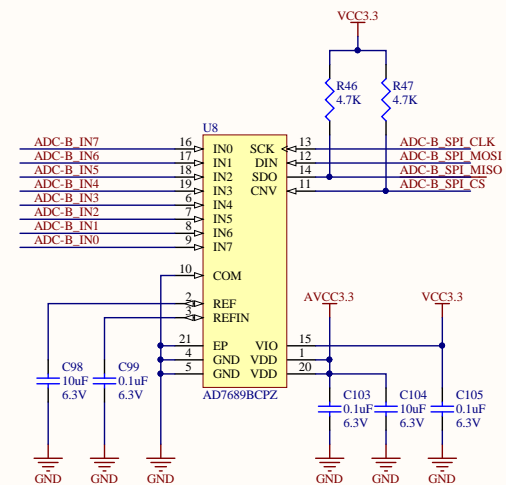
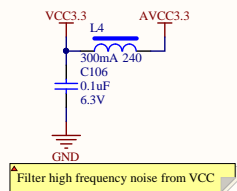
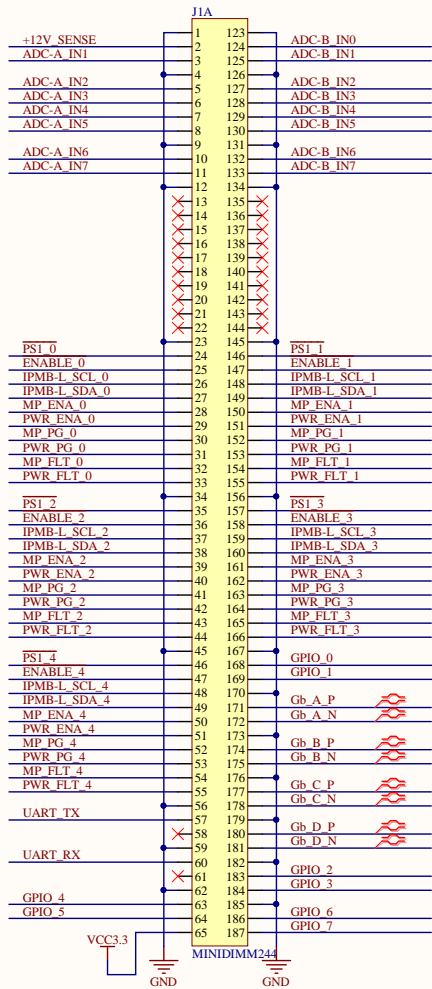


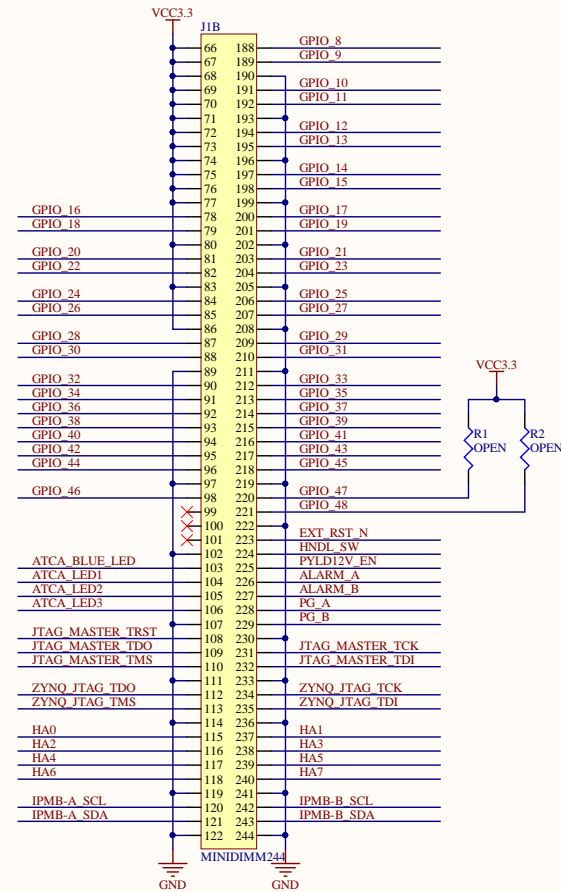
SPI chains are independent because SPI operations during conversion can generate noise. This also allows the Zynq to detect when conversions are done (page 32 of the AD7689 datasheet).



Description				
Title			Univ. Wisconsin-Madison Madison, WI 53706	Cannot open file \\cern.ch\dfs\Users\m mpv\Desktop\Uw-ma
Size: A3				
Number:*		Revision:rev A		
Date: 05/01/2017		Time: 16:05:28	Sheet * of *	
File: AnalogSense.SchDoc			Author: Vicente, M., Gorski, T., Tikalsky, J.	



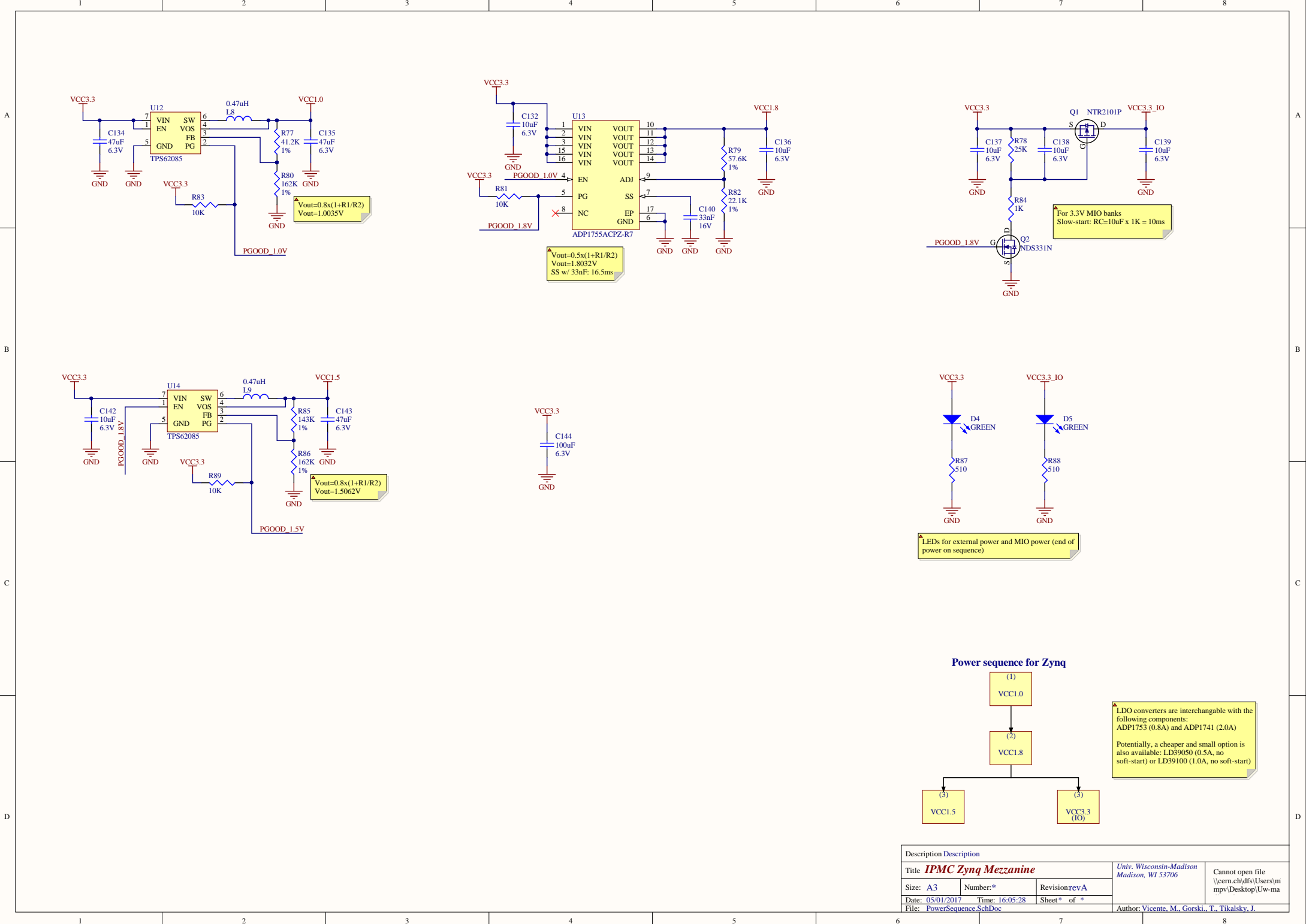
VCC3.3  
R3 OPEN  
R4 OPEN  
LAPP IPMB-L I2C:  
Can be populated  
with pull-ups if I2C is  
desired in these  
GPIOs to maintain  
compatibility.



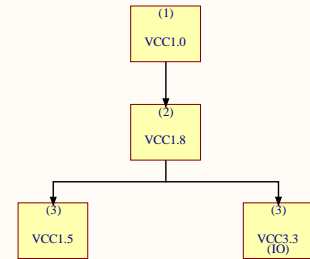
VCC3.3  
R1 OPEN  
R2 OPEN  
LAPP Mgt I2C:  
Can be populated  
with pull-ups if I2C is  
desired in these  
GPIOs to maintain  
compatibility.

Description		Description	
Title		Univ. Wisconsin-Madison	
Size: A3		Madison, WI 53706	
Date: 05/01/2017		Revision: revA	
File: BoardConnector.SchDoc		Sheet * of *	
		Author: Vicente, M., Gorski, T., Tikalsky, J.	



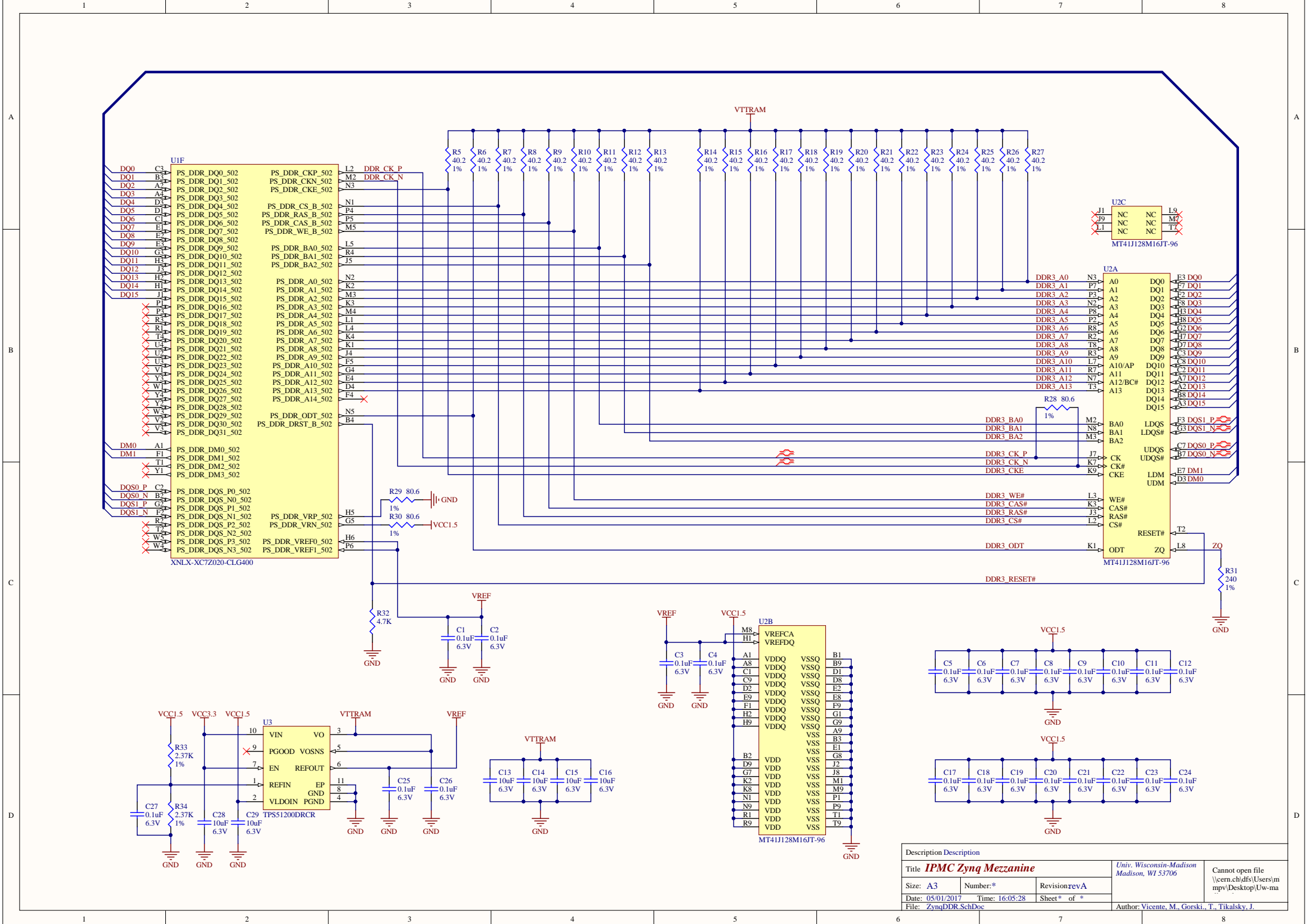


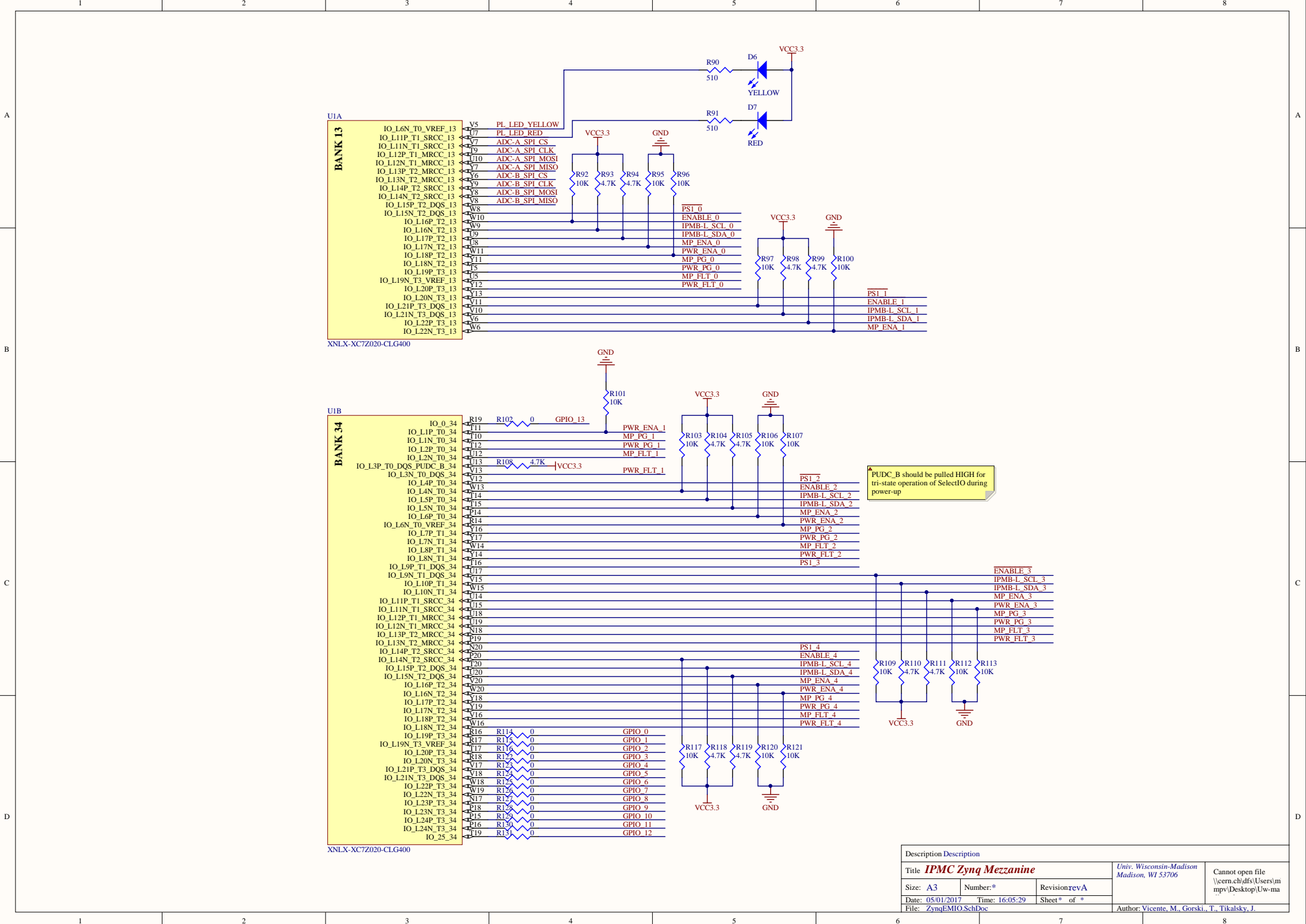
Power sequence for Zynq



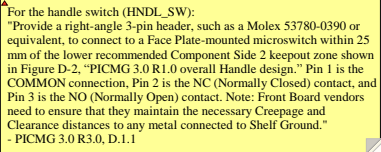
LDO converters are interchangeable with the following components:  
ADP1753 (0.8A) and ADP1741 (2.0A)  
Potentially, a cheaper and small option is also available: LD39050 (0.5A, no soft-start) or LD39100 (1.0A, no soft-start)

Description		Description	
Title		Univ. Wisconsin-Madison	
Size: A3		Madison, WI 53706	
Date: 05/01/2017		Revision: revA	
Time: 16:05:28		Sheet * of *	
File: PowerSequence.SchDoc		Author: Vicente, M., Gorski, T., Tikalsky, J.	

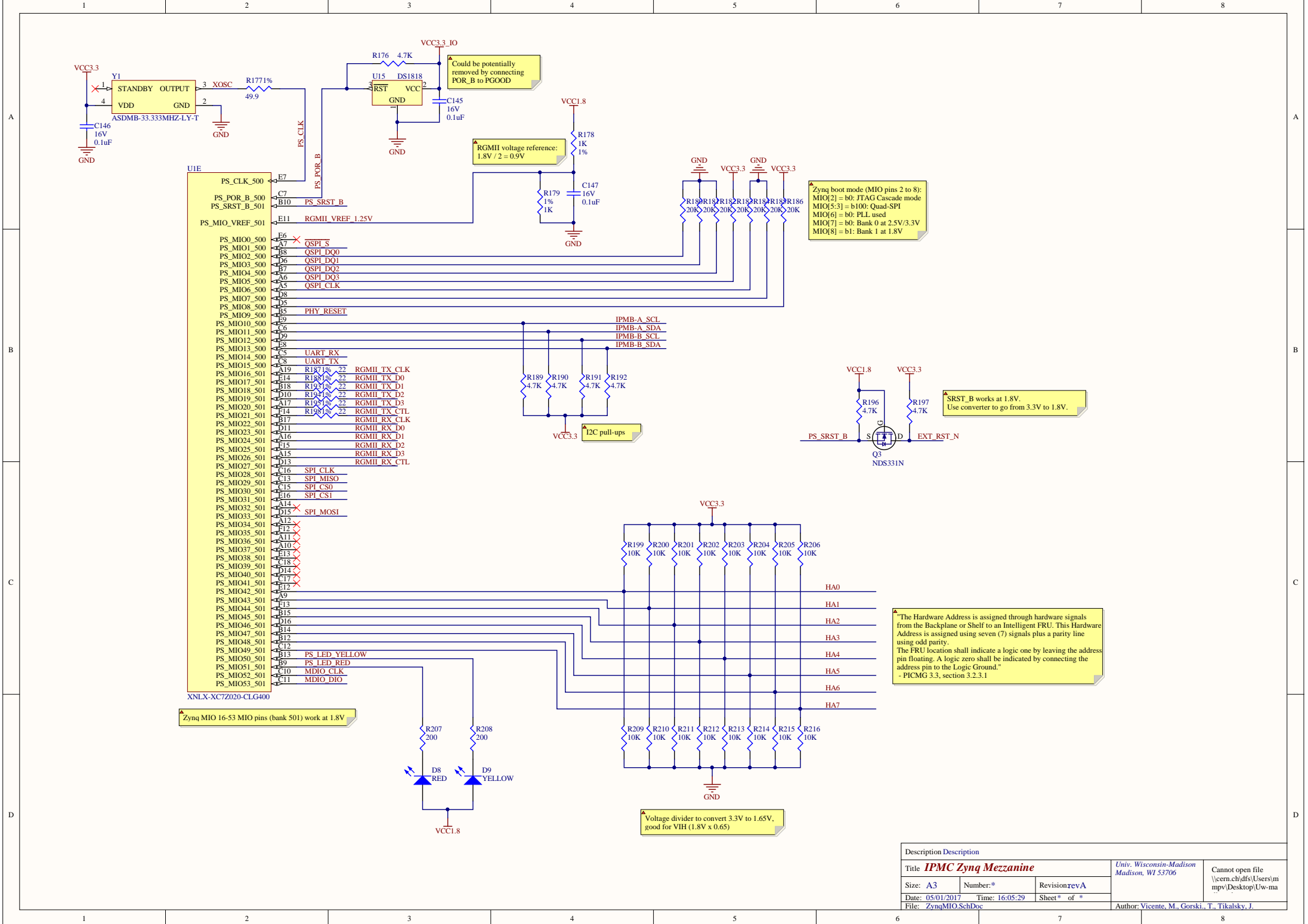




Description		Description	
Title		Univ. Wisconsin-Madison	
Size: A3		Madison, WI 53706	
Date: 05/01/2017		Cannot open file	
File: ZynqEMIO.SchDoc		\\cern.ch\dfs\Users\m	
Number: *		mpv\Desktop\Uw-ma	
Revision: revA		Author: Vicente, M., Gorski, T., Tikalsky, J.	
Sheet * of *			

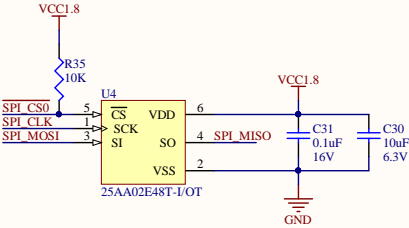


Description <a href="#">Description</a>			
Title <i><b>IPMC Zynq Mezzanine</b></i>		Univ. Wisconsin-Madison Madison, WI 53706	Cannot open file \\cern.ch\dfs\Users\m mpv\Desktop\Uw-ma
Size: <b>A3</b>	Number:*	Revision: <b>revA</b>	
Date: <b>05/01/2017</b>	Time: <b>16:05:29</b>	Sheet * of *	
File: <b>ZynqEMIO 2.SchDoc</b>		Author: <b>Vicente, M., Gorski, T., Tikalsky, J.</b>	

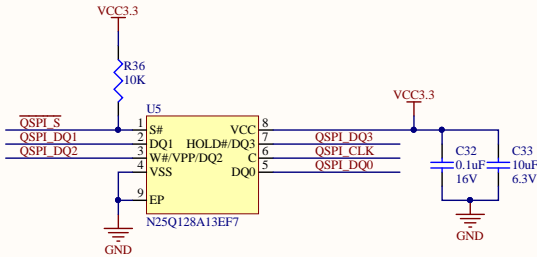
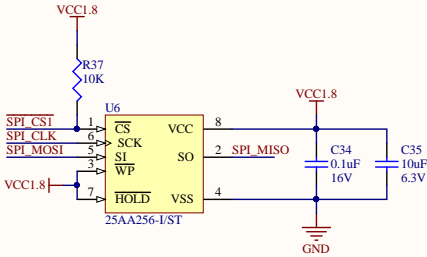


Description		Description	
Title	IPMC Zynq Mezzanine	Univ. Wisconsin-Madison	Cannot open file
Size:	A3	Number:	Number
Date:	05/01/2017	Time:	16:05:29
File:	ZynqMIO.SchDoc	Sheet:	of *
		Author:	Vicente, M., Gorski, T., Tikalsky, J.





CS pins can be swapped if it improves layout



QSPI has 16MBytes  
Needs 500nm lines  
C should be pulled LOW, but there is already the Zynq strap-pins

Description				
Title <i>IPMC Zynq Mezzanine</i>			Univ. Wisconsin-Madison Madison, WI 53706	Cannot open file \\cern.ch\dfs\Users\m mpv\Desktop\Uw-ma
Size: <i>A3</i>	Number:*	Revision <i>revA</i>		
Date: 05/01/2017	Time: 16:05:29	Sheet * of *		
File: ZynqPeripherals.SchDoc			Author: Vicente, M., Gorski, T., Tikalsky, J.	



Component	Description	Part Number	Manufacturer	Footprint	Library	Doc #	Rev	Part #	Test #
Capacitor		C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0201 0401 0601	Cap	22	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401 0601	Cap	25	0.1uF	15u	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	12	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	100	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
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Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
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Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
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Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
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Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
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Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0401	Cap	6	0.1uF	0	
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Capacitor		C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27		0					