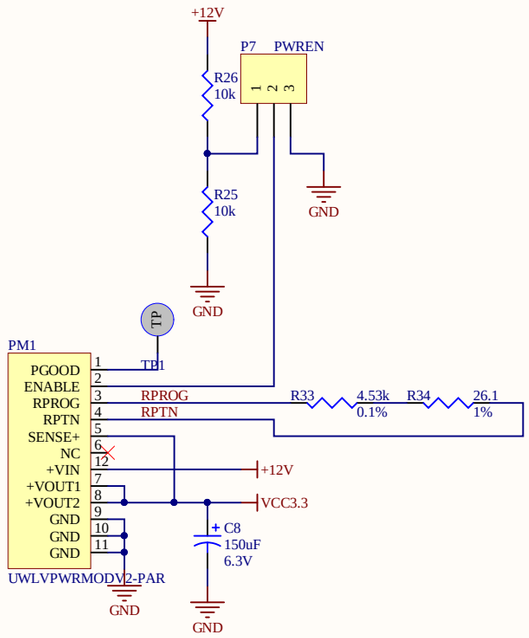
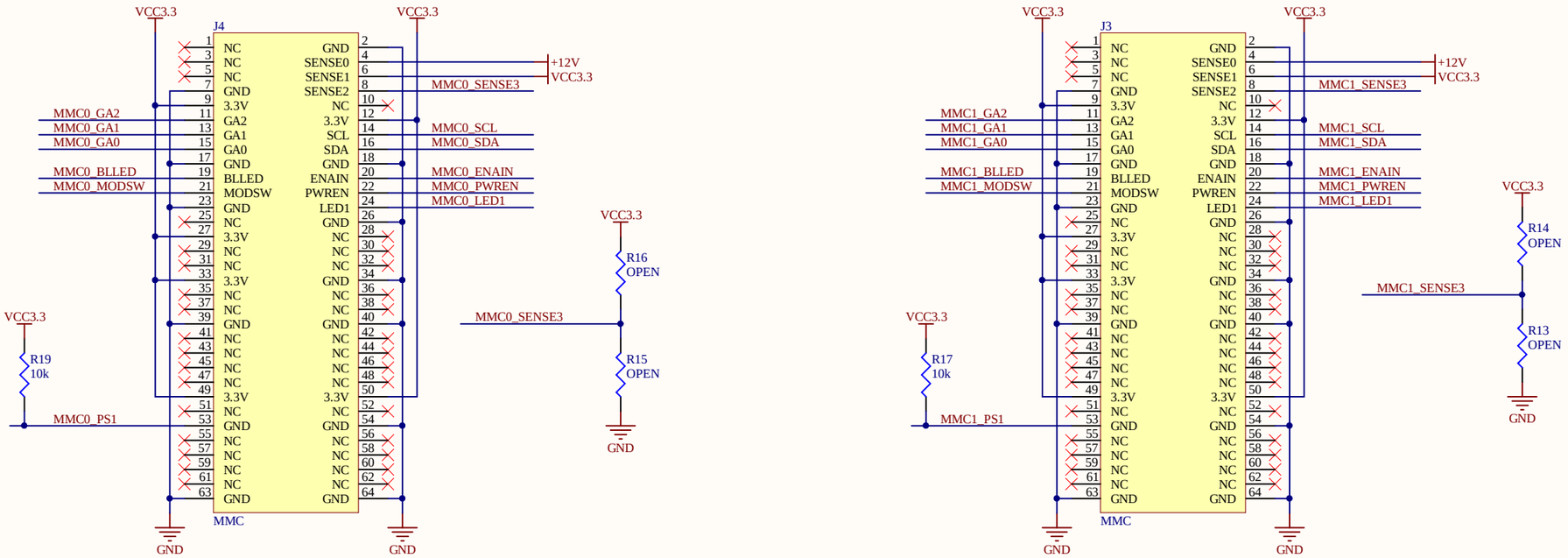
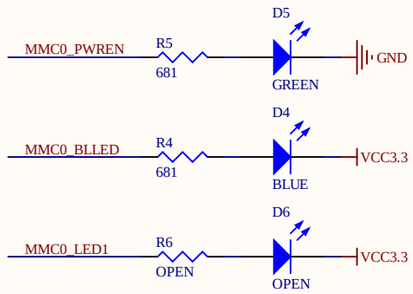
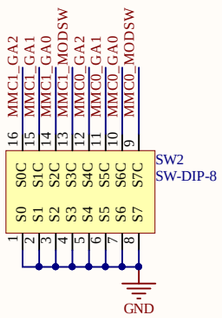


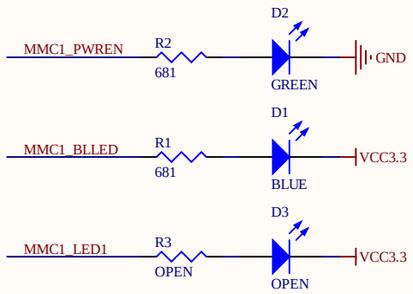
Description			
Title ***ZYNQ-IPMC Test Board***			*Univ. of Wisconsin-Madison* *Madison, WI 53706*
Size: A3	Number: 1	Revision: revA1	
Date: 6/26/2019 Time: 2:09:58 PM		Sheet 1 of 5	
File: IPMC_TestBoard.SchDoc			Author: *Marcelo Vicente*

\ENAIN is INPUT and is the MMC reset
PWREN is OUTPUT and will enable power for MC
MMC GND pin repurposed to serve as \PS1

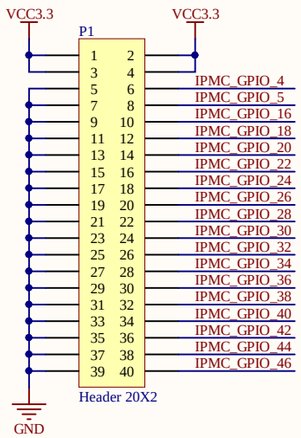


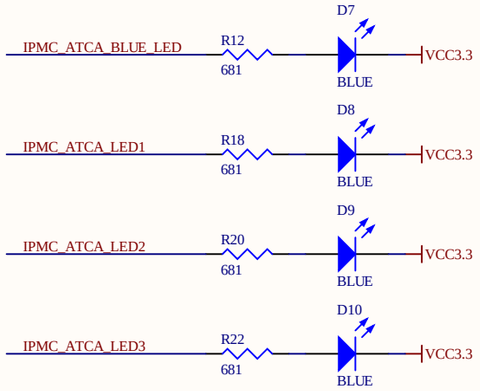


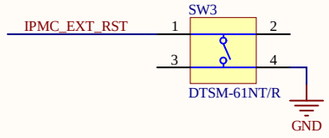


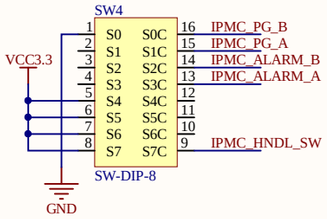


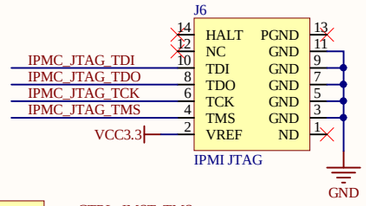
Description			
Title **ZYNQ-IPMC Test Board**			*Univ. of Wisconsin-Madison Madison, WI 53706*
Size: A3	Number: 2	Revision: revA1	
Date: 6/26/2019 Time: 2:09:58 PM		Sheet 2 of 5	
File: MMC_Interface.SchDoc			Author: *Marcelo Vicente*

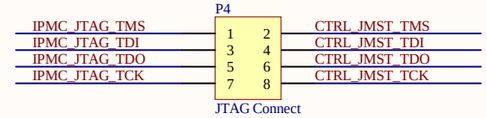


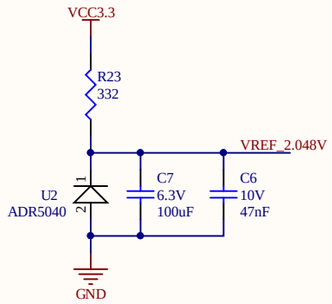


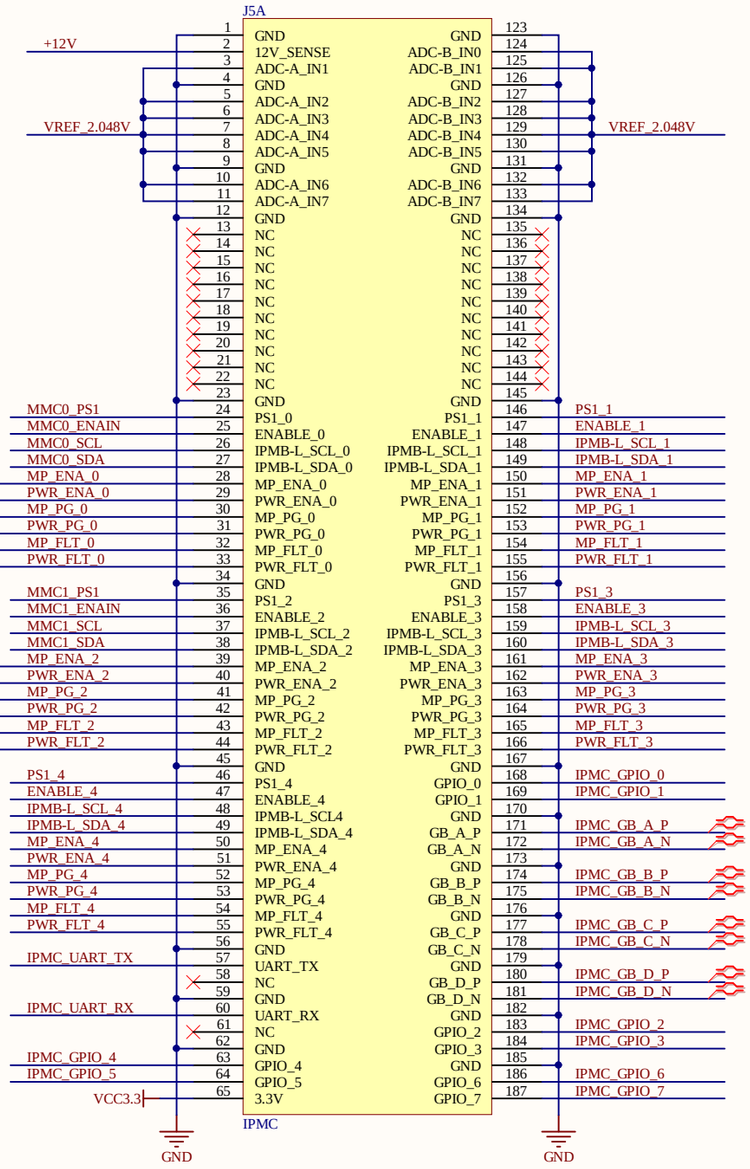


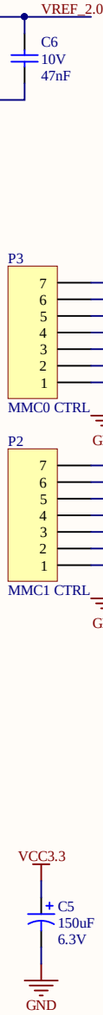


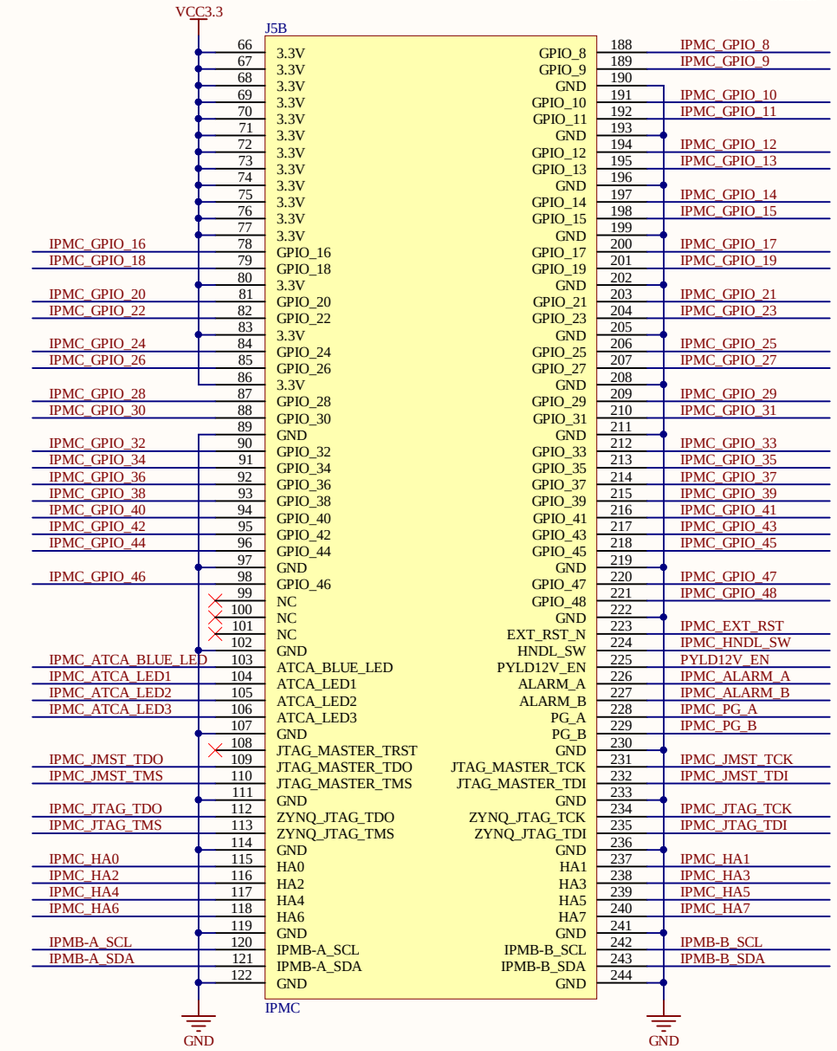


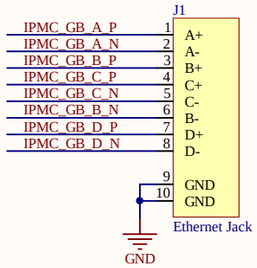


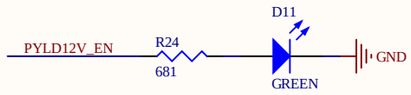


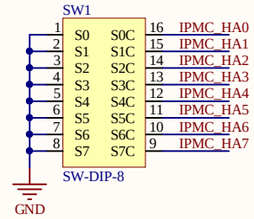




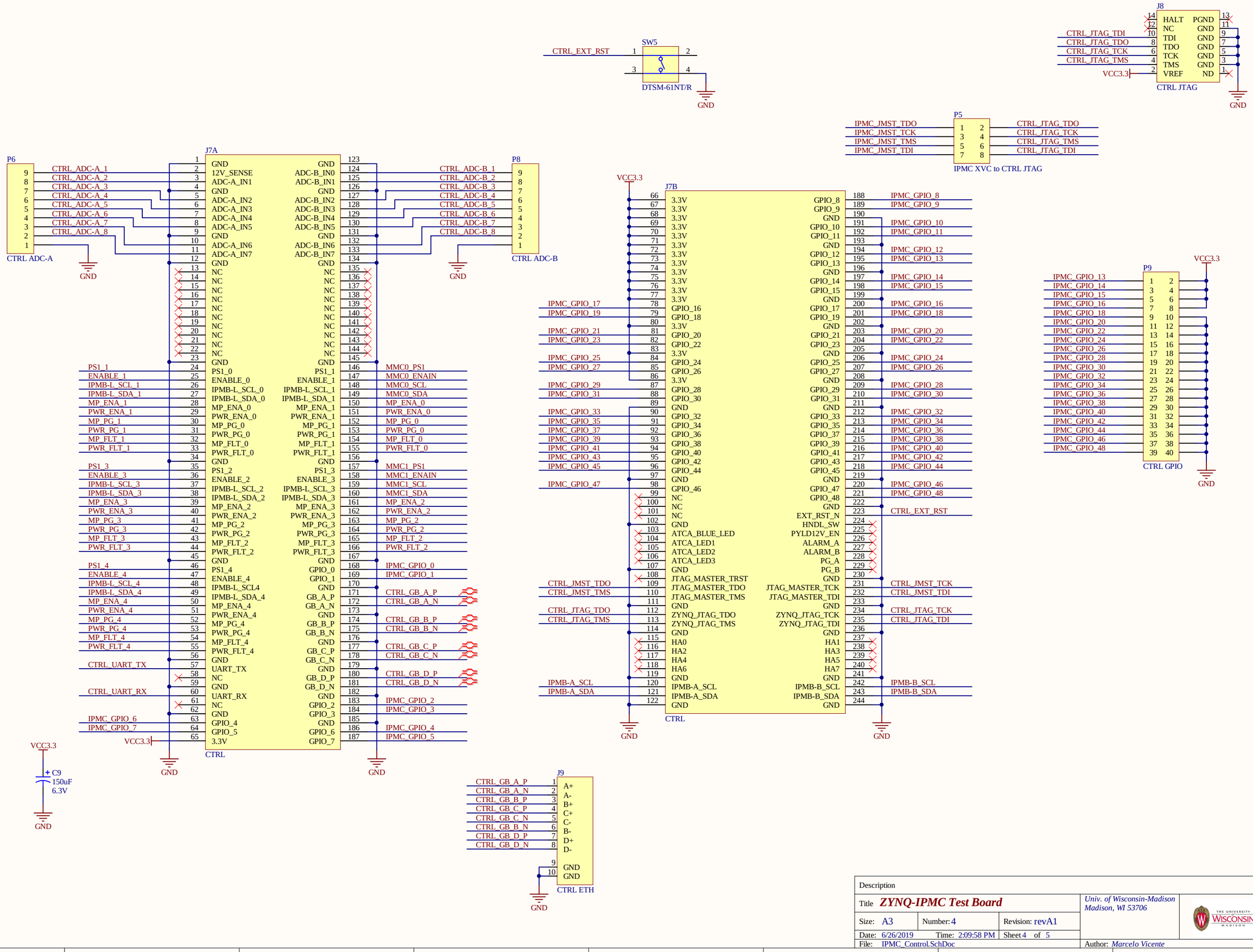




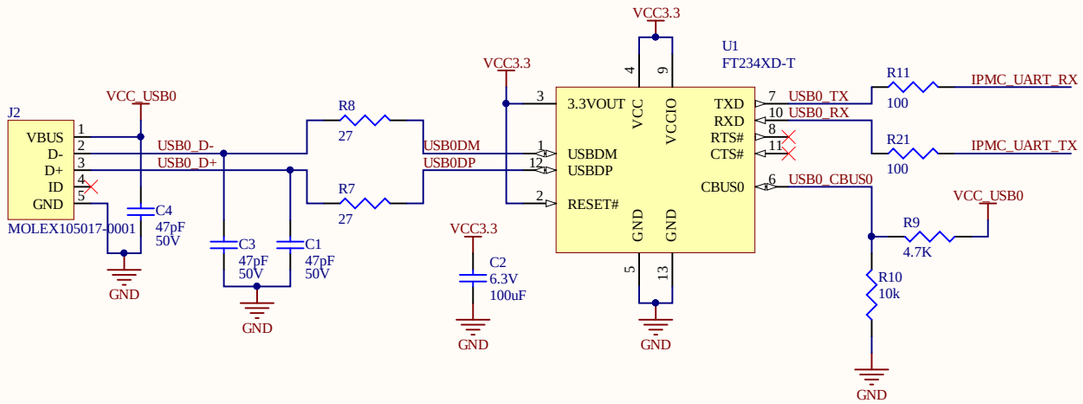


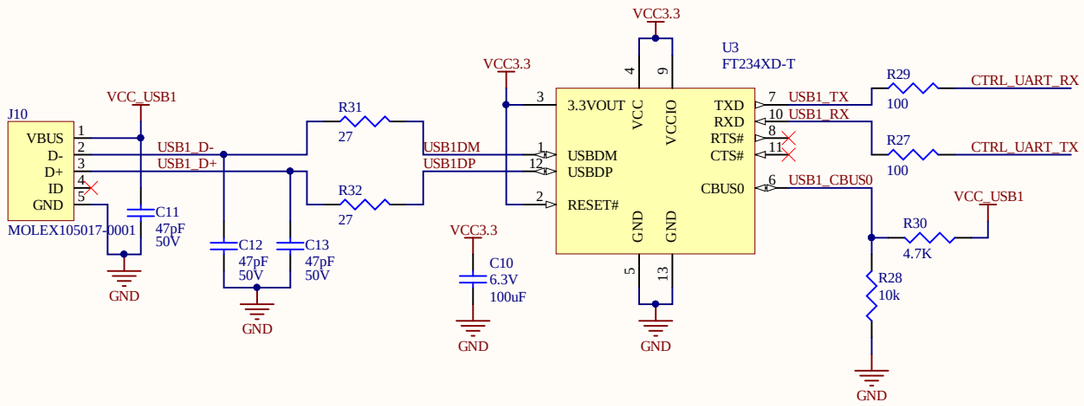


Description			
Title: ZYNQ-IPMC Test Board			Univ. of Wisconsin-Madison Madison, WI 53706
Size: A3	Number: 3	Revision: revA1	
Date: 6/26/2019 Time: 2:09:58 PM		Sheet 3 of 5	
File: IPMC_UnderTesting.SchDoc			Author: Marcelo Vicente



Description			
Title **ZYNQ-IPMC Test Board**			*Univ. of Wisconsin-Madison Madison, WI 53706*
Size: A3	Number: 4	Revision: revA1	
Date: 6/26/2019 Time: 2:09:58 PM		Sheet 4 of 5	
File: IPMC_Control.SchDoc			Author: *Marcelo Vicente*





Description			
Title **ZYNQ-IPMC Test Board**			*Univ. of Wisconsin-Madison* *Madison, WI 53706*
Size: A3	Number: 5	Revision: revA1	
Date: 6/26/2019	Time: 2:09:58 PM	Sheet 5 of 5	
File: UART.SchDoc			Author: *Marcelo Vicente*

Comment	Quantity	Designator	Mfgr	Mfg. Part No.	Footprint	Value	Rating	Tolerance	INVKEY	Note
?	6	C1, C3, C4, C11, C12, C13	Yageo	CC0402JRNPO9BN470	C0402	47pF	50V		CP0402-47PF-50V-5%	
?	3	C2, C7, C10	Murata	GRM32ER60J107ME20L	C1210_IPC_H	100uF	6.3V		CP1210-100UF-6.3V-20%	
?	3	C5, C8, C9	Kemet	A700X157M006ATE015	VISH-293D-7343-31_V	150uF	6.3V		CP7343-150uF-6.3V-ESR15-20%	
?	1	C6	Panasonic-ECJ	ECJ-0EB1A473K	C0402_IPC_H	47nF	10V		CP0402-47NF-10V-10%	
BLUE	6	D1, D4, D7, D8, D9, D10	Lite-On	LTST-S270TBKT	LED0603_M	BLUE			LED-BL-RA-0603	
GREEN	3	D2, D5, D11	Lite-On	LTST-S270KGKT	LED0603_M	GREEN			LED-GRN-RA-UB-0603	
OPEN	2	D3, D6	NA	NA	LED0603_M	OPEN			?	Do not assemble
Ethernet Jack, CTRL ETH	2	J1, J9	Molex	43202-8916	43202-8916				CO-43202-8916	
MOLEX105017-0001	2	J2, J10	Molex	105017-0001	MOLEX105017-0001				CO-USB-MICRO-SOLDERTAIL	
MMC	2	J3, J4	TE Connectivity	5120527-1	5120527-1				CO-PMC64-120527-1	
IPMC, CTRL	2	J5, J7	Molex	87782-3007	87782-3007				?	Compatible with Molex 87782-3003, 87782-3005, 87782-3007 and 87782-3009
IPMI JTAG, CTRL JTAG	2	J6, J8	Molex	87832-1420	87832-1420				CO-PIN-HDR-2X7SS-2MM	
Header 20X2, CTRL GPIO	2	P1, P9	?	?	HEADER2X20				?	Do not assemble
MMC1 CTRL, MMC0 CTRL	2	P2, P3	?	?	HEADER1X7				?	Do not assemble
JTAG Connect, IPMC XVC to CTRL JTAG	2	P4, P5	?	?	HEADER2X4				?	
CTRL ADC-A, CTRL ADC-B	2	P6, P8	?	?	HEADER1X9				?	Do not assemble
PWREN	1	P7	?	?	HEADER1X3				?	
UWLVPWRMODV2-PAR	1	PM1	University of Wisconsin	UWLVPWRMODV2	UWLVPWRMODV2				?	Refurbish from oRSCs
?	9	R1, R2, R4, R5, R12, R18, R20, R22, R24	Yageo	RC0603FR-07681RL	R0603	681		1%	RS0603-681R-1/10W1%	
?	6	R3, R6, R13, R14, R15, R16	NA	NA	R0402_IPC_H	OPEN		1%	RS0402-OPEN-1/10W	Do not assemble
?	4	R7, R8, R31, R32	?	?	R0603	27			?	
?	2	R9, R30	Panasonic-ECG	ERJ-2GEJ472X	R0402_IPC_H	4.7K		5%	RS0402-4K7-1/10W-5%	
?	6	R10, R17, R19, R25, R26, R28	Panasonic-ECG	ERJ-2GEJ103X	R0402_IPC_H	10k		5%	RS0402-10K-1/10W-5%	
?	4	R11, R21, R27, R29	Yageo	RC0603FR-07100RL	R0603	100			RS0603-100R-1/10W1%	
?	1	R23	?	?	R0402_IPC_H	332		1%	?	
?	1	R33	Panasonic-ECG	ERA-2AEB4531X	R0402	4.53k		0.1%	RS0402-4K53-1/16W PREC	
?	1	R34	Panasonic-ECG	ERJ-2RKF26R1X	R0402	26.1		1%	RS0402-26R1-1/10W1%	
SW-DIP-8	3	SW1, SW2, SW4	C&K	TDA08HOSB1	TDA08H0				SW-DIP-8X-SMD	
DTSM-61NT/R	2	SW3, SW5	?	?	DIPT-DTSM-6_V				?	
TP	1	TP1	NA	NA	TP				NA	Not a part
FT234XD-T	2	U1, U3	?	?	DFN-12_V				?	
ADR5040	1	U2	Analog Devices	ADR5040ARTZ	SOT23-H				VREF-ADR5040A-SOT23	