




REVISION HISTORY	REV	DESCRIPTION	DATE	PART NUMBER: PCBS-SCM-0914		PART NAME: System Control		
	01	Initial Release	05 Apr 2010	ELECTRONIC ASSY #: PCBA-SUB-0914				
				PROJECT: PlateCycler				
				DESIGNER	SIGNATURE	DATE	390 Wilkams Way, Salt Lake City, UT 84108 (801) 756-4354 www.idahotech.com	
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						REV: 01		
						SHEET 2 OF 12		

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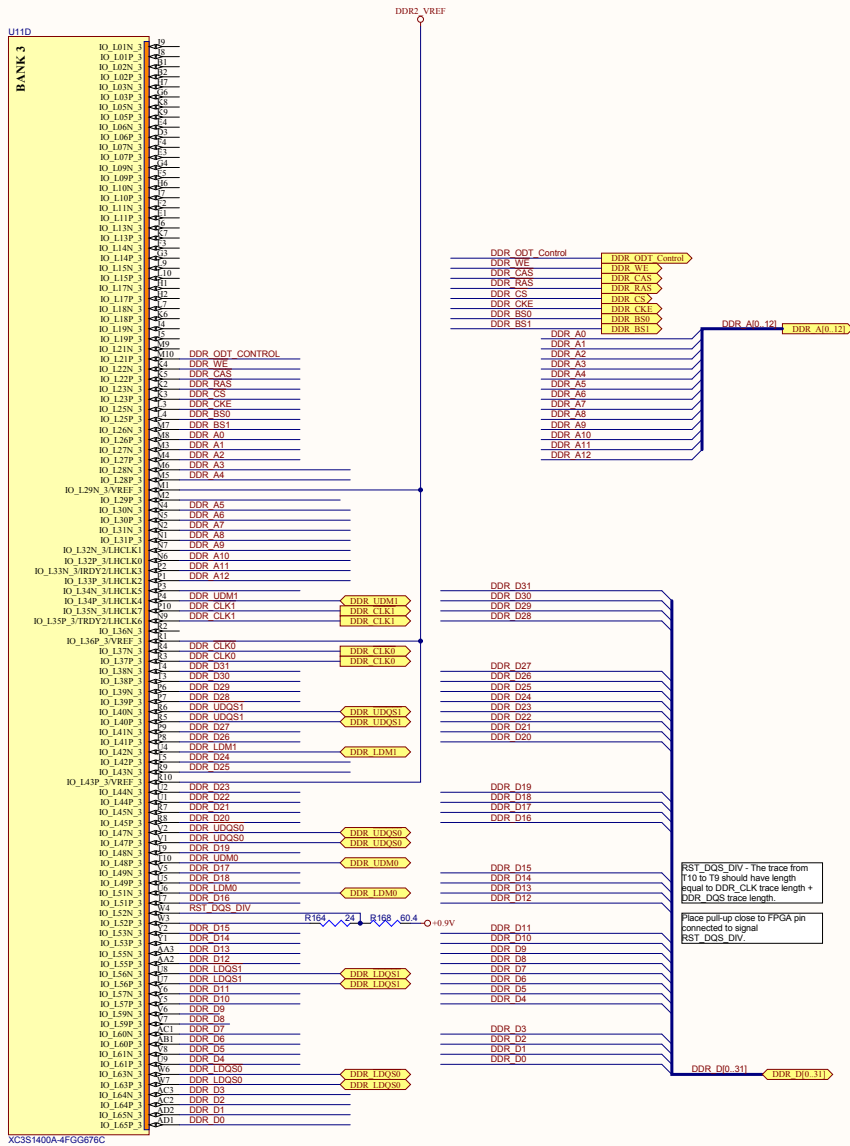
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REVISION HISTORY	REV	DESCRIPTION	DATE	PART NUMBER: PCBS-SCM-0914		PART NAME: System Control	
	01	Initial Release	05 Apr 2010	ELECTRONIC ASSY #: PCBA-SUB-0914			
				PROJECT: PlateCycler			
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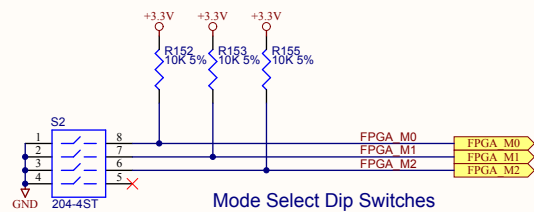
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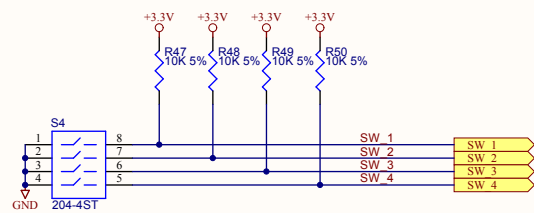
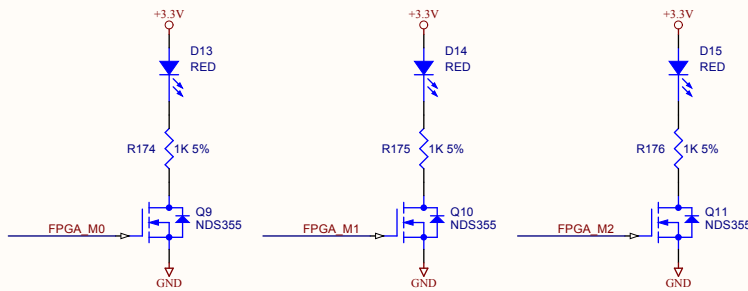
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Normal mode = configure with serial flash
M0 = 1, M1 = 0, M2 = 0.



User Dip Switches

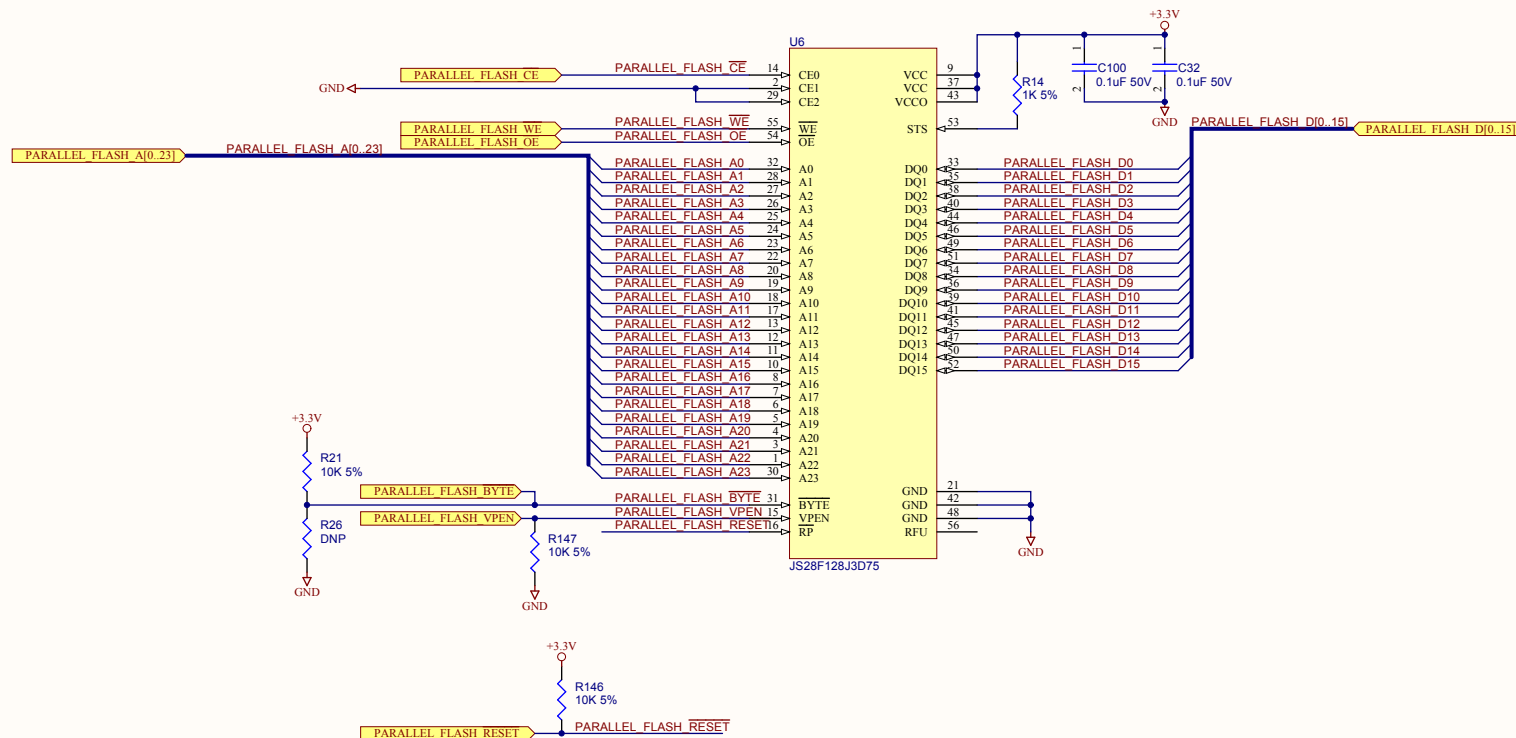
REVISION HISTORY	REV	DESCRIPTION	DATE	PART NUMBER: PCBS-SCM-0914		PART NAME: System Control	
	01	Initial Release	05 Apr 2010	ELECTRONIC ASSY #: PCBA-SUB-0914		PROJECT: PlateCycler	
				DESIGNER	SIGNATURE	DATE	
				CHECKED BY			
				MANAGER			
				FILENAME: System Control - Mode DIP Switch.SchDoc			


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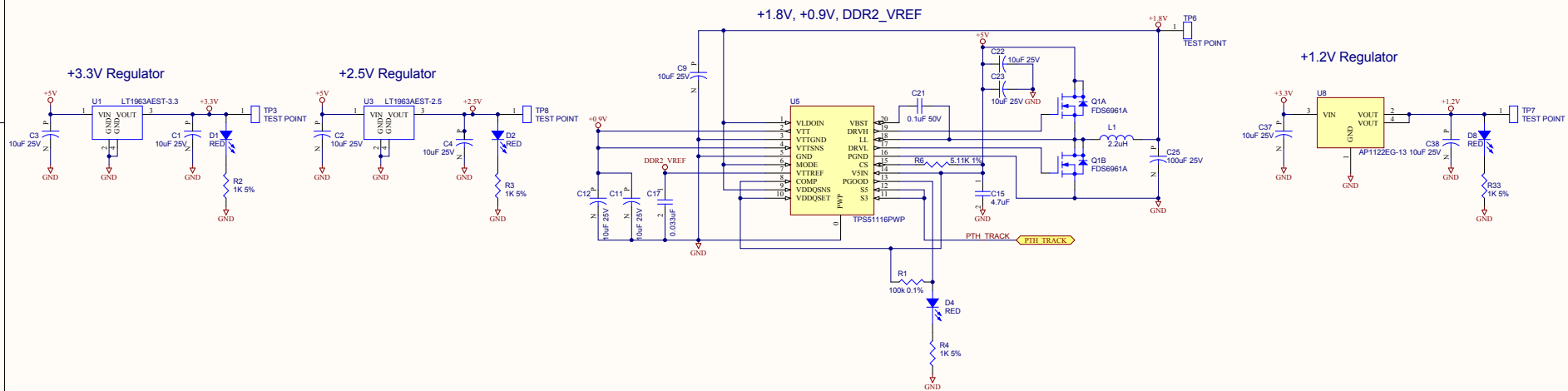
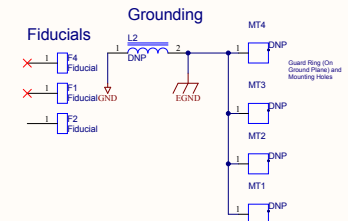
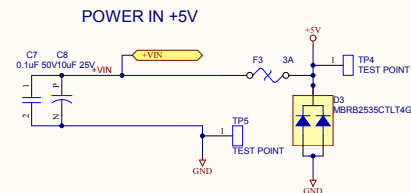
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SIZE: B
REV: 01
SHEET: 6 OF 12



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				DESIGNER	SIGNATURE	DATE	
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				FILENAME: System Control - Parallel Flash.SchDoc			
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Power Considerations:

1. The PHY datasheet suggests the following:
"It is strongly recommended that the PC board have a solid ground plane and at least one split power plane with 2.5V and 1.8V copper islands. Ideally the PCB should have solid planes for each of the supply voltages. The interplane capacitance between the supply and ground planes may be maximized by reducing the plane spacing. In addition, filling unused board areas on signal planes with copper and connecting them to the proper power plane will also increase the interplane capacitance."

2. The PHY datasheet suggests the following:
"1 oz. copper is recommended for the power and ground planes."

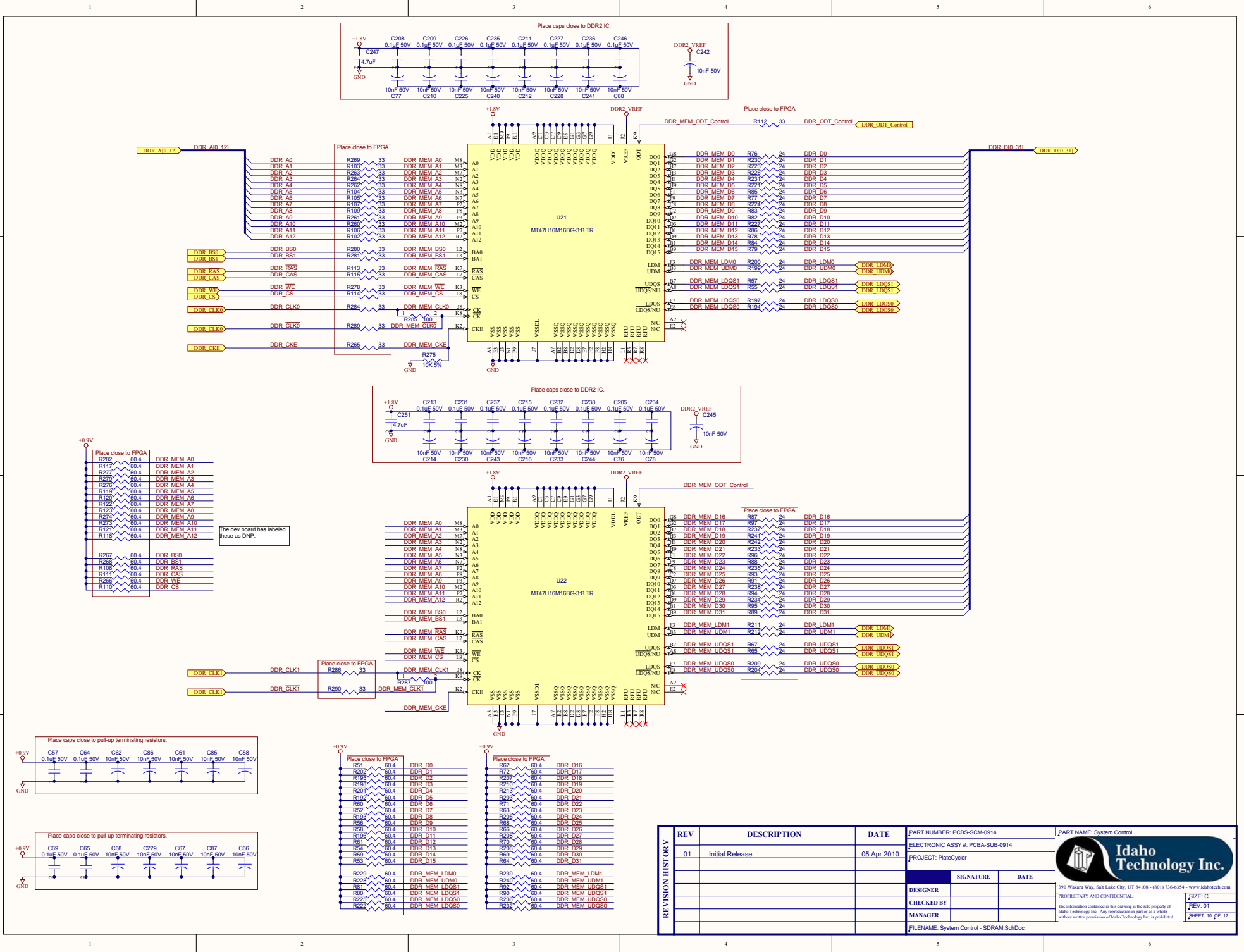
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				DESIGNER		SIGNATURE	
				CHECKED BY		DATE	
				MANAGER			
				FILENAME: System Control - Power.SchDoc			
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						SHEET: 9 OF 12	


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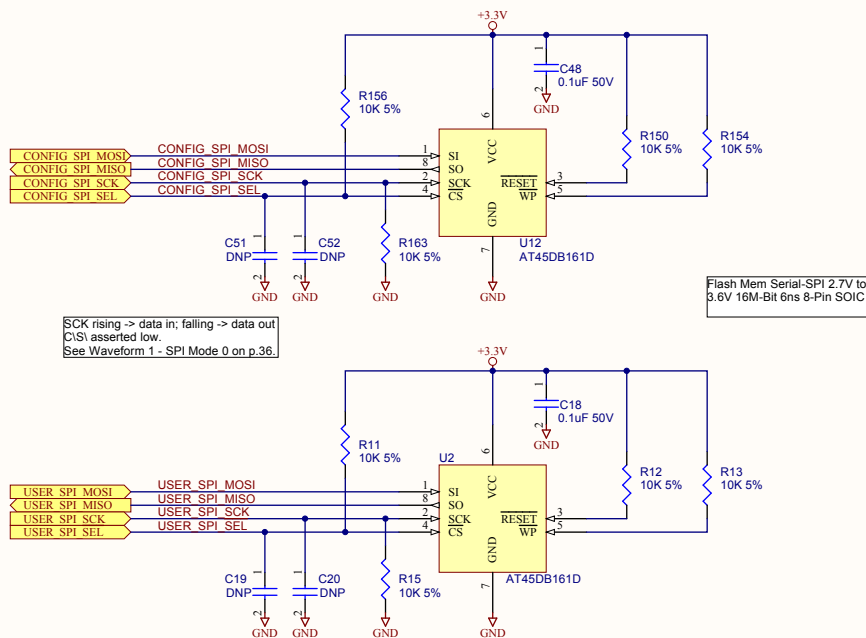
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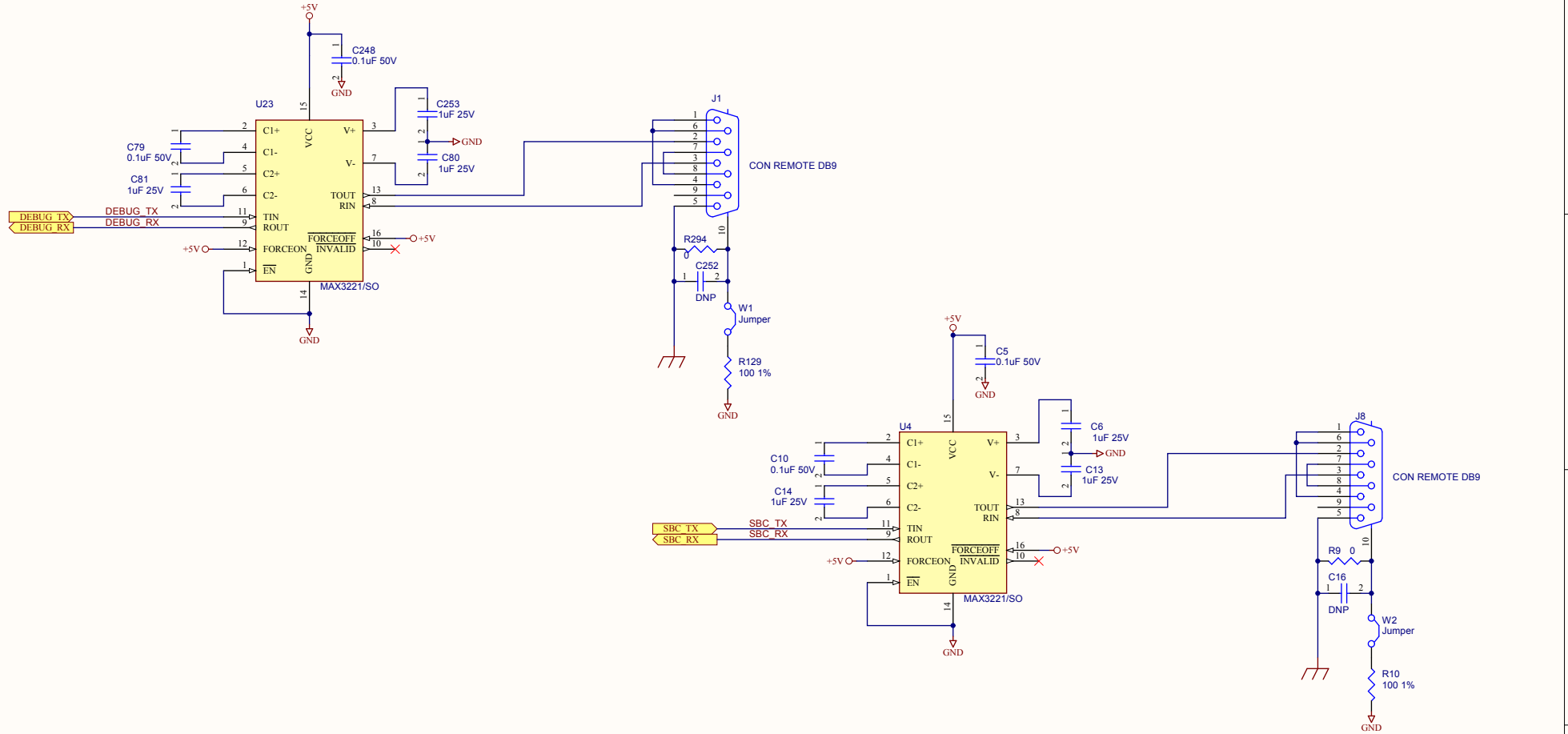
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				MANAGER			SIZE: C	
							REV: 01	
							SHEET: 10 OF 12	
				FILENAME: System Control - SDRAM.SchDoc				



REVISION HISTORY	REV	DESCRIPTION	DATE	PART NUMBER: PCBS-SCM-0914		PART NAME: System Control	
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				DESIGNER	SIGNATURE	DATE	
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				MANAGER			
				FILENAME: System Control - Serial Flash.SchDoc			
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				FILENAME: System Control - Serial Port.SchDoc					
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							REV: 01		
							SHEET: 12 OF: 12		