



EFM32 Leopard Gecko STK

Board Function	Page
Title Page	1
User Interface	2
Signal Assignments	3
EFM32 I/O	4
EFM32 Power	5
LCD	6
Power & Misc	7
Advanced Energy Monitor	8
Debug Interface	9
Board Controller	10


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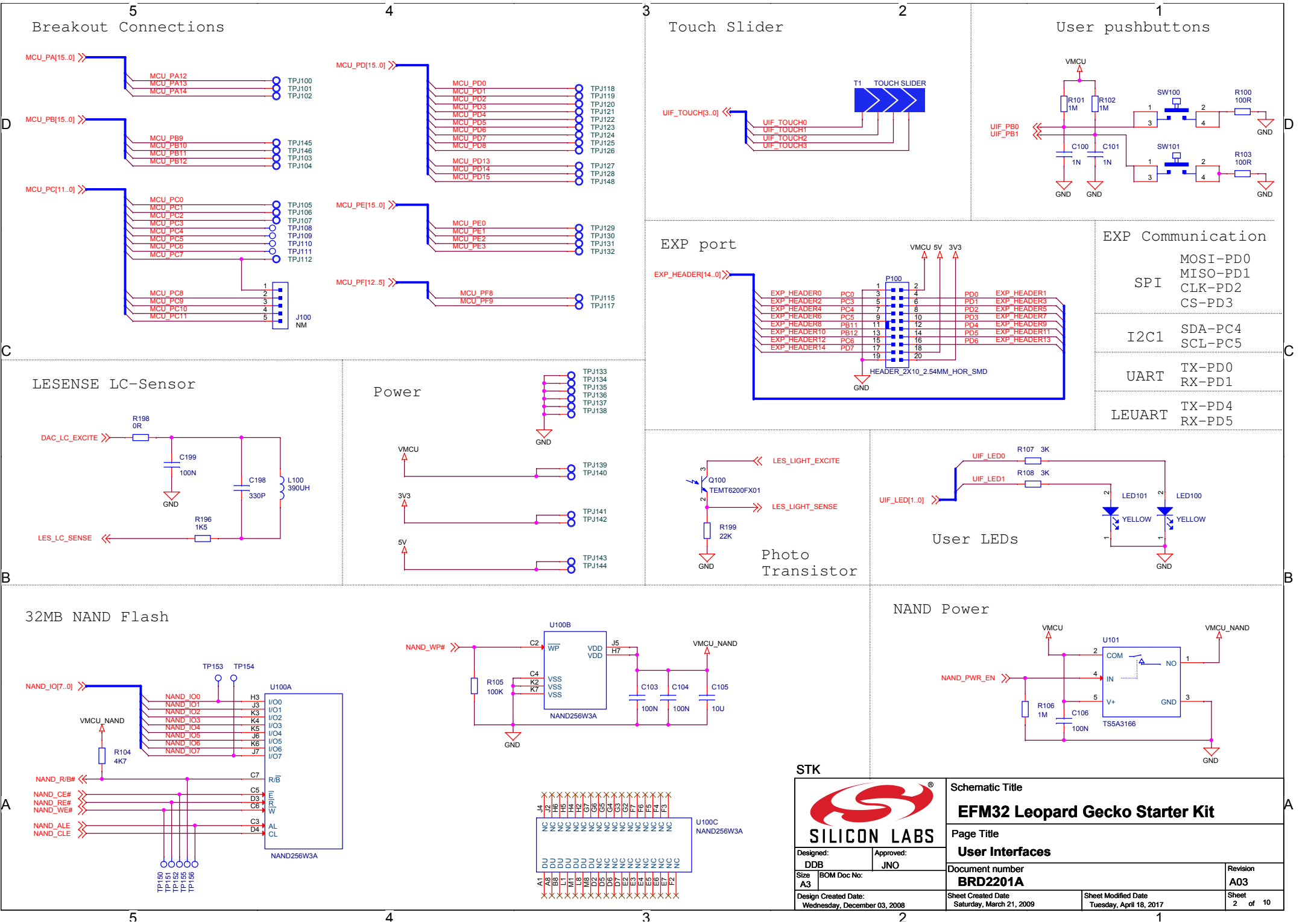


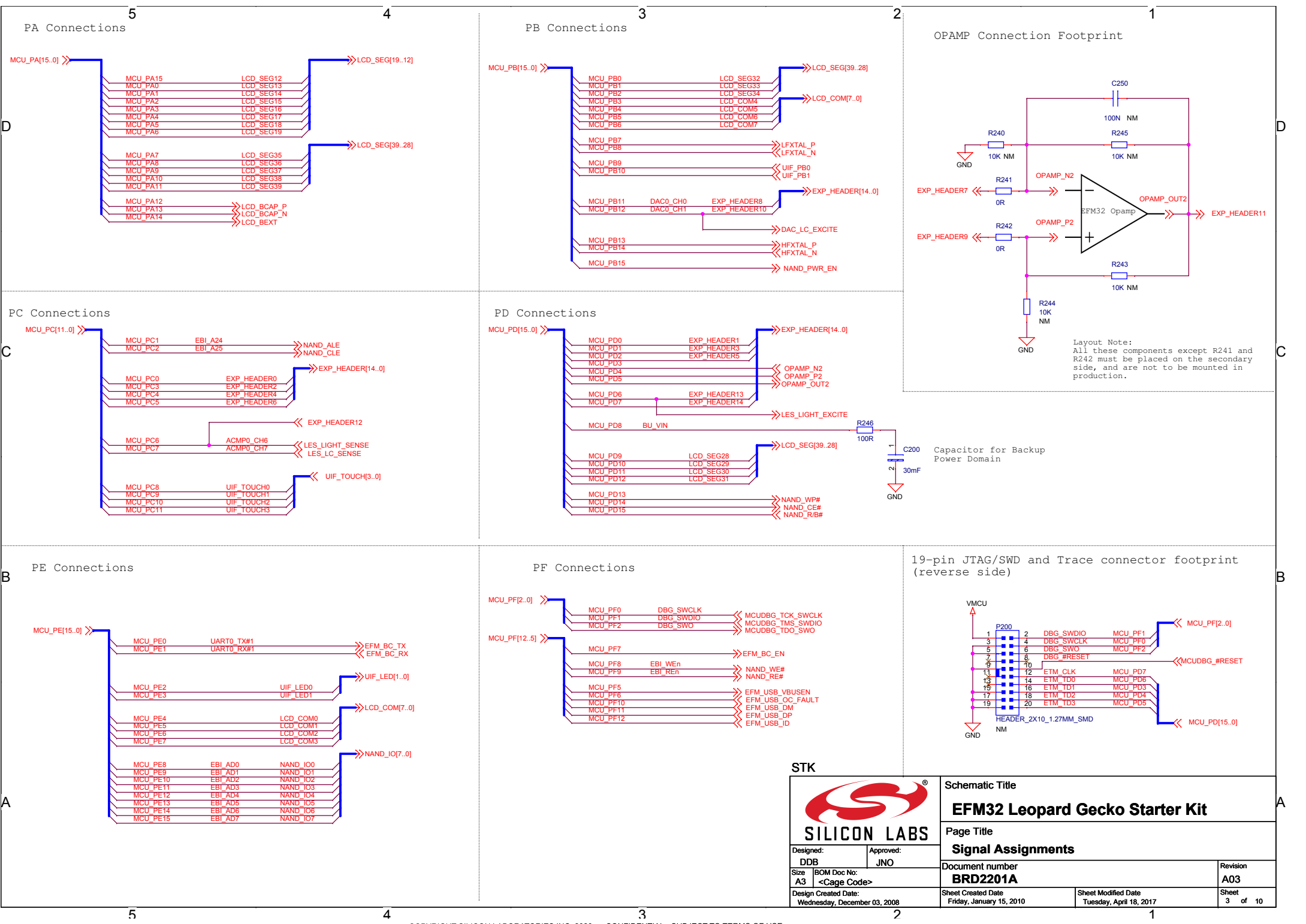
Revision History

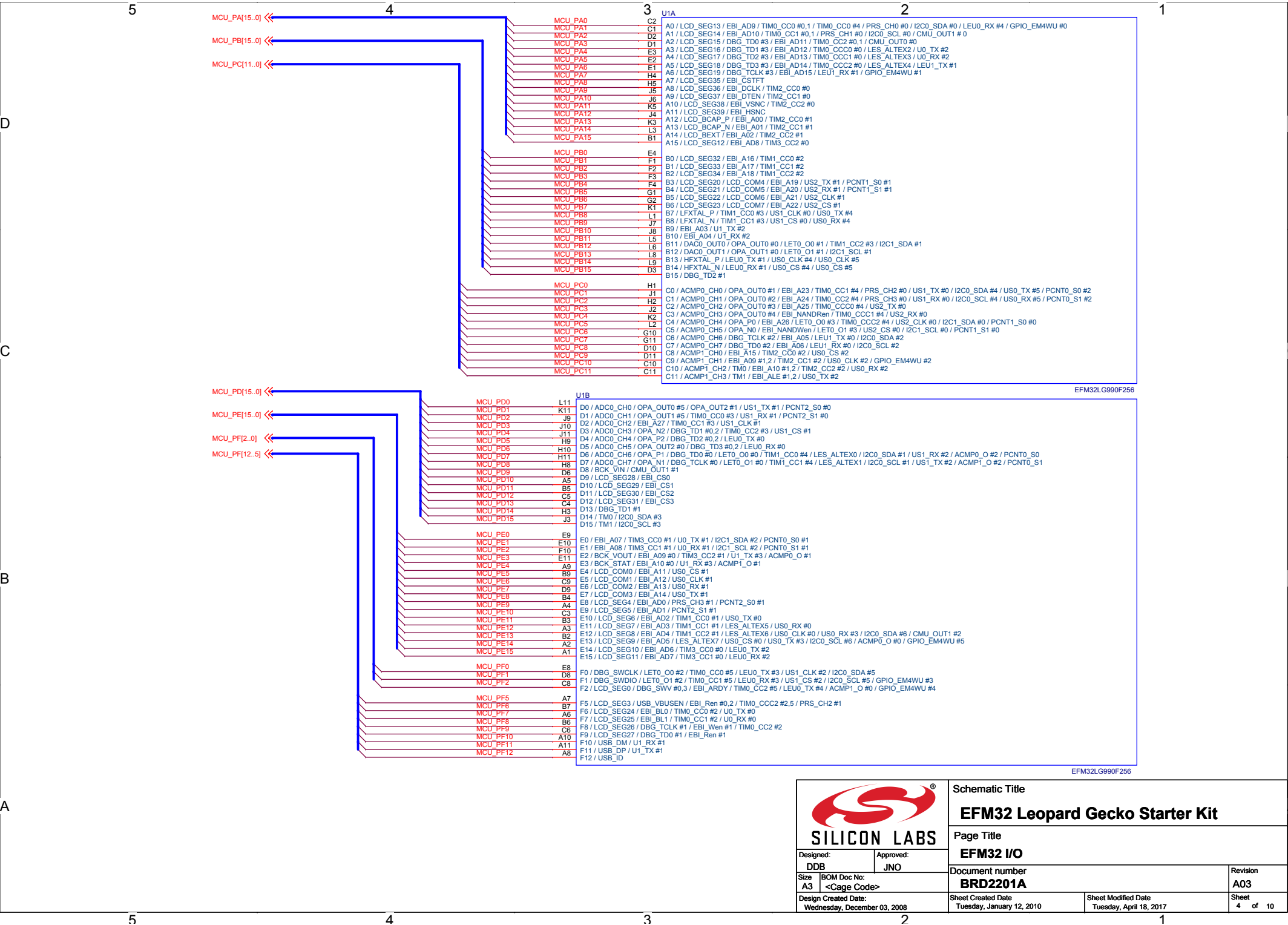
Rev.	Description
A00	Initial Version for series production
A01	Updated EFM32 to Leopard Gecko Rev.D
A02	Added test points for EFM USB. Fixed small error on PCB.
A03	Updated EFM32 to Leopard Gecko Rev.E. Update: Fixed EXP pinout description

STK

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Designed: DDB		Page Title Title Page	
Size: A3	BOM Doc No:	Document number BRD2201A	Revision A03
Design Created Date: Wednesday, December 03, 2008		Sheet Created Date Saturday, March 21, 2009	Sheet Modified Date Tuesday, April 18, 2017
		Sheet 1 of 10	







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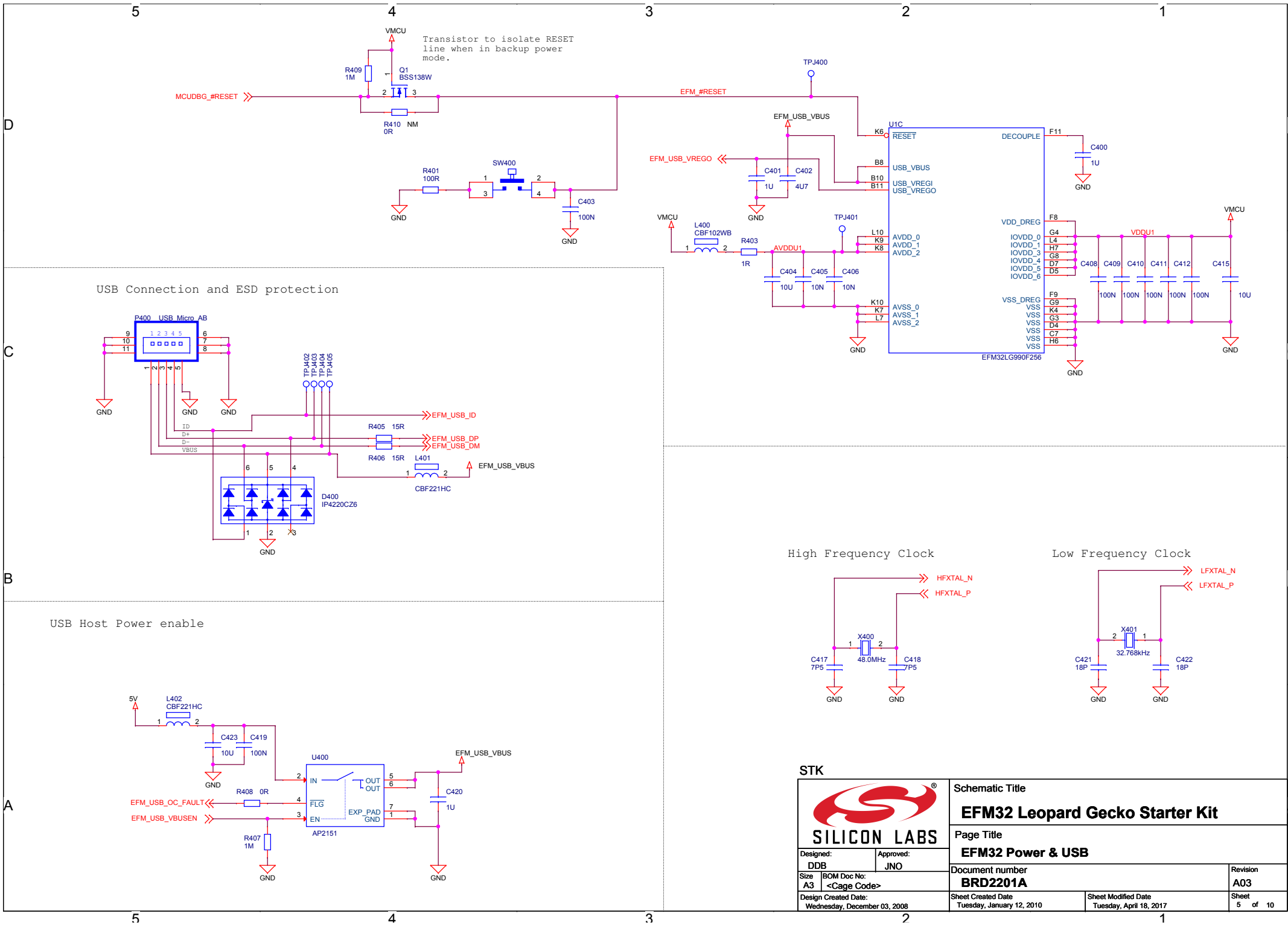
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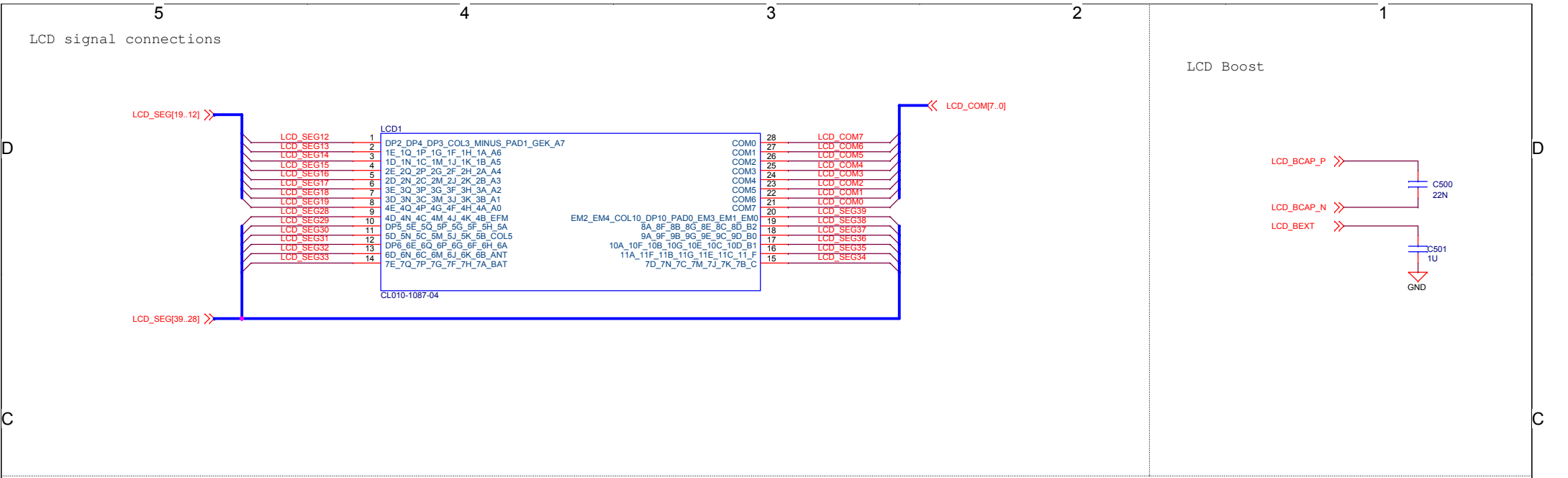
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Schematic Title			
EFM32 Leopard Gecko Starter Kit			
Page Title			
EFM32 I/O			
Document number			Revision
BRD2201A			A03
Sheet Created Date	Sheet Modified Date		Sheet
Tuesday, January 12, 2010	Tuesday, April 18, 2017		4 of 10





Segment names

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	S0	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13
COM0	DP2	1 E	1 D	2 E	2 D	3 E	3 D	4 E	4 D	DP5	5 D	DP6	6 D	7 E
COM1	DP4	1 Q	1 N	2 Q	2 N	3 Q	3 N	4 Q	4 N	5 E	5 N	6 E	6 N	7 Q
COM2	DP3	1 P	1 C	2 P	2 C	3 P	3 C	4 P	4 C	5 Q	5 C	6 Q	6 C	7 P
COM3	COL3	1 G	1 M	2 G	2 M	3 G	3 M	4 G	4 M	5 P	5 M	6 P	6 M	7 G
COM4	MINUS	1 F	1 J	2 F	2 J	3 F	3 J	4 F	4 J	5 G	5 J	6 G	6 J	7 F
COM5	PAD1	1 H	1 K	2 H	2 K	3 H	3 K	4 H	4 K	5 F	5 K	6 F	6 K	7 H
COM6	GEK	1 A	1 B	2 A	2 B	3 A	3 B	4 A	4 B	5 H	5 B	6 H	6 B	7 A
COM7	A7	A6	A5	A4	A3	A2	A1	A0	EFM	5 A	COL5	6 A	ANT	BAT

PIN	15	16	17	18	19	20	21	22	23	24	25	26	27	28
---	S14	S15	S16	S17	S18	S19	COM7	COM6	COM5	COM4	COM3	COM2	COM1	COM0
COM0	7 D	11 A	10 A	9 A	8 A	EM2							COM1	COM0
COM1	7 N	11 F	10 F	9 F	8 F	EM4								
COM2	7 C	11 B	10 B	9 B	8 B	COL10						COM2		
COM3	7 M	11 G	10 G	9 G	8 G	DP10					COM3			
COM4	7 J	11 E	10 E	9 E	8 E	PAD0				COM4				
COM5	7 K	11 C	10 C	9 C	8 C	EM3			COM5					
COM6	7 B	11 D	10 D	9 D	8 D	EM1		COM6						
COM7	°C	°F	B1	B0	B2	EM0	COM7							

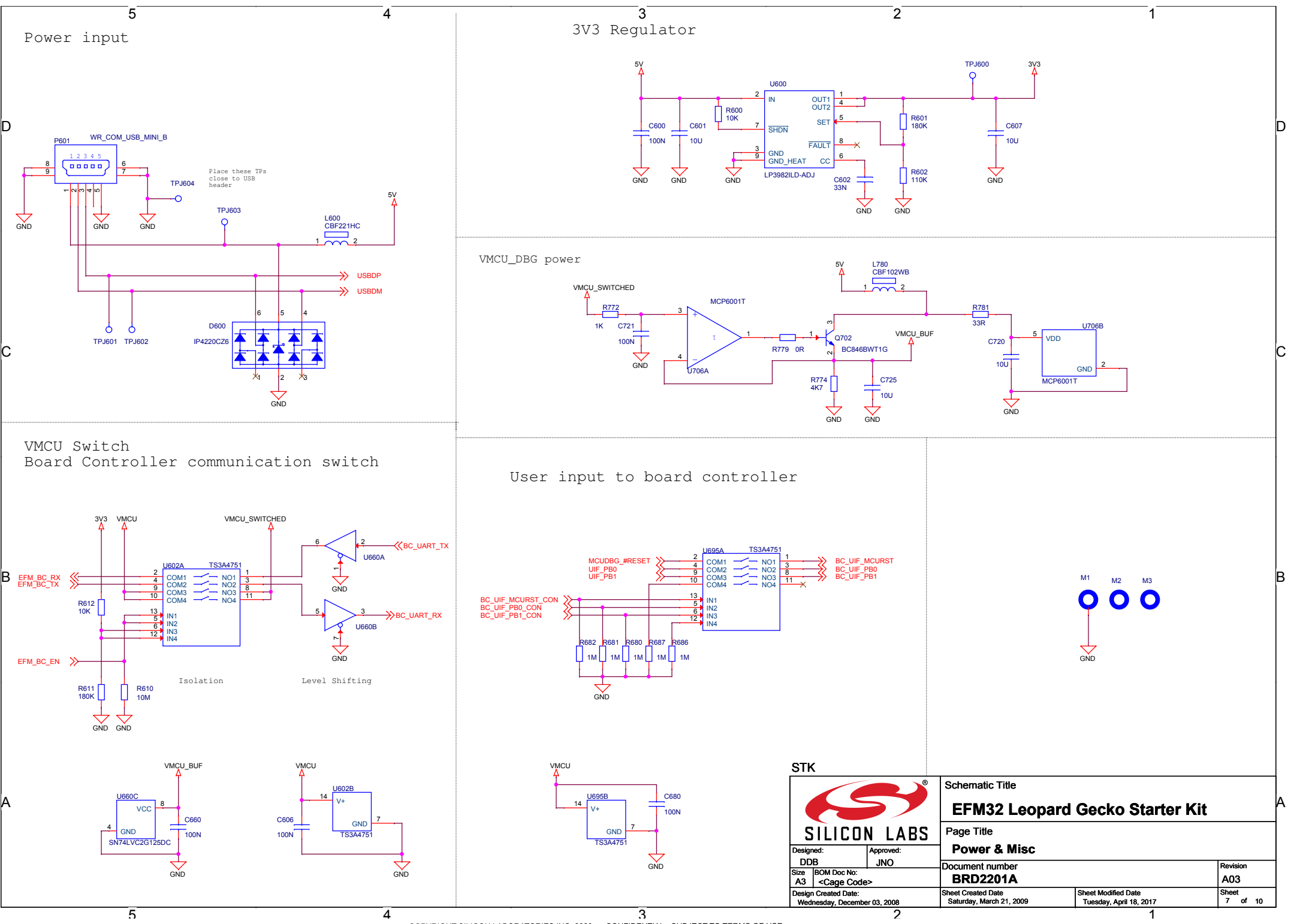
Segment placement

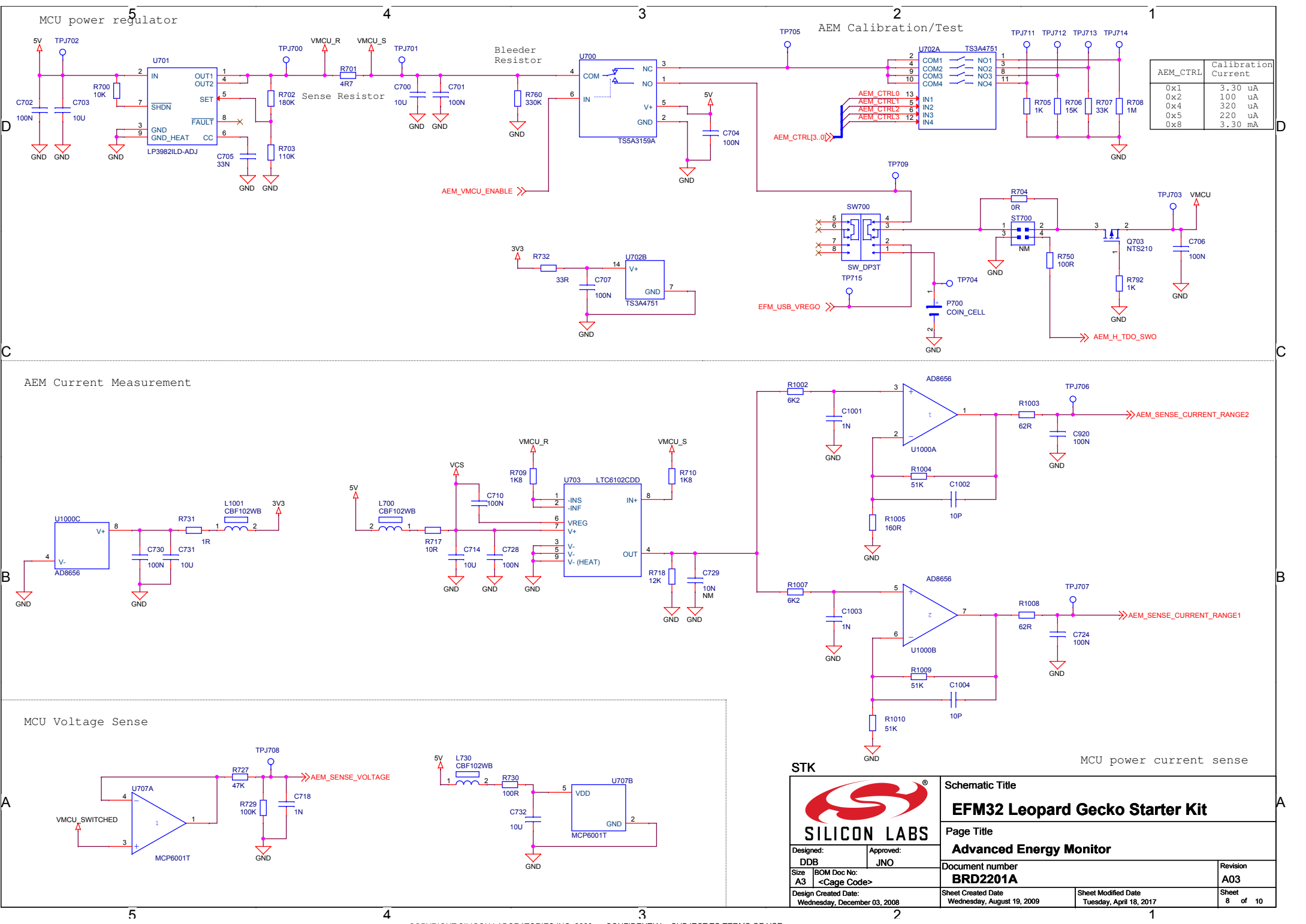
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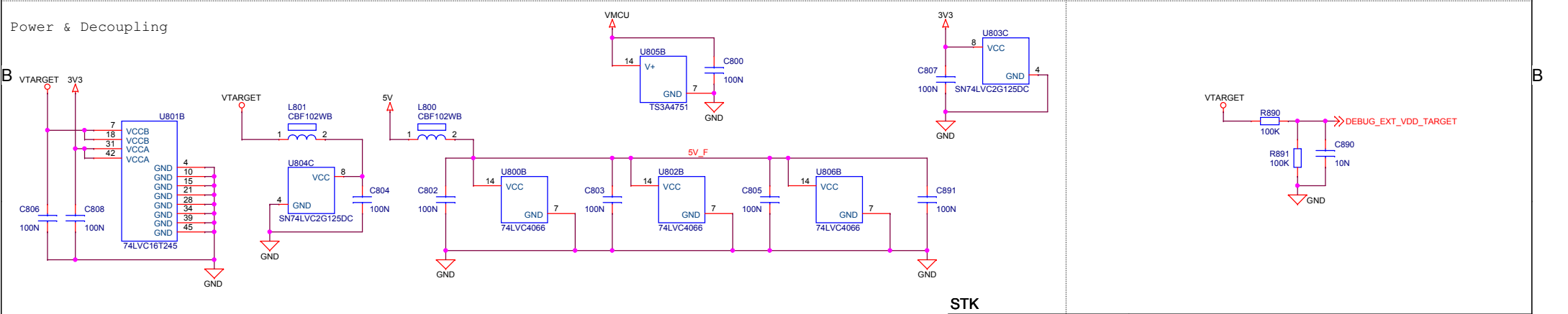
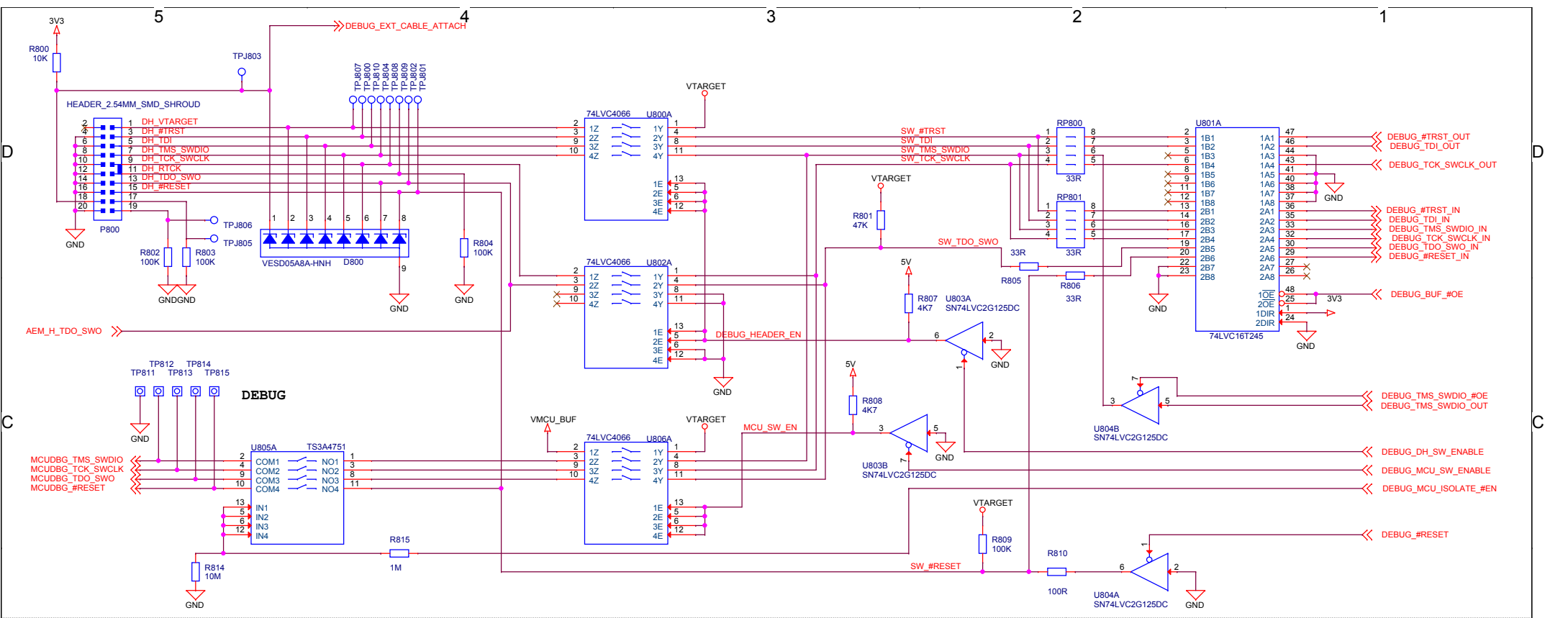
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		Sheet Modified Date: Tuesday, April 18, 2017	Sheet 6 of 10

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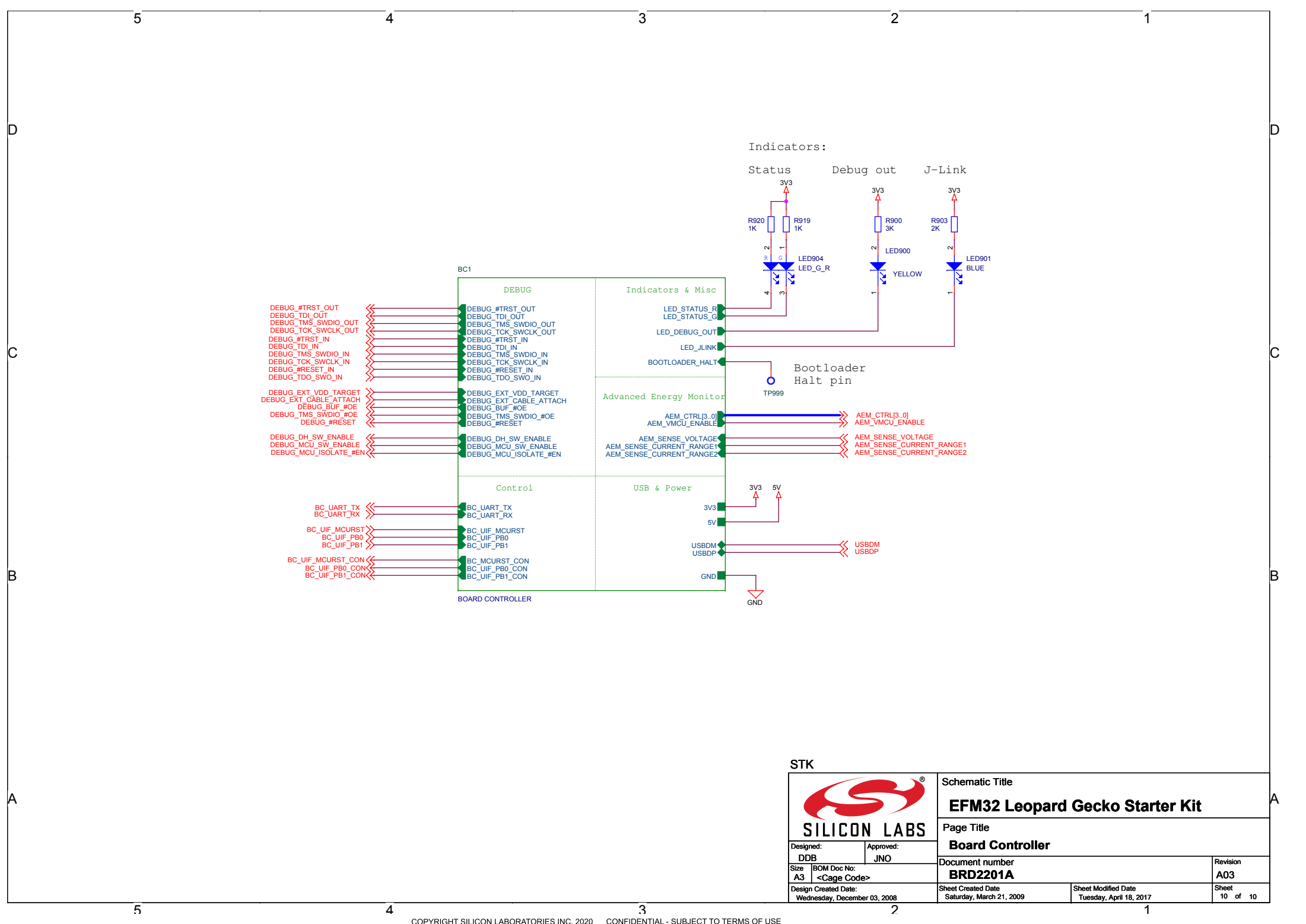
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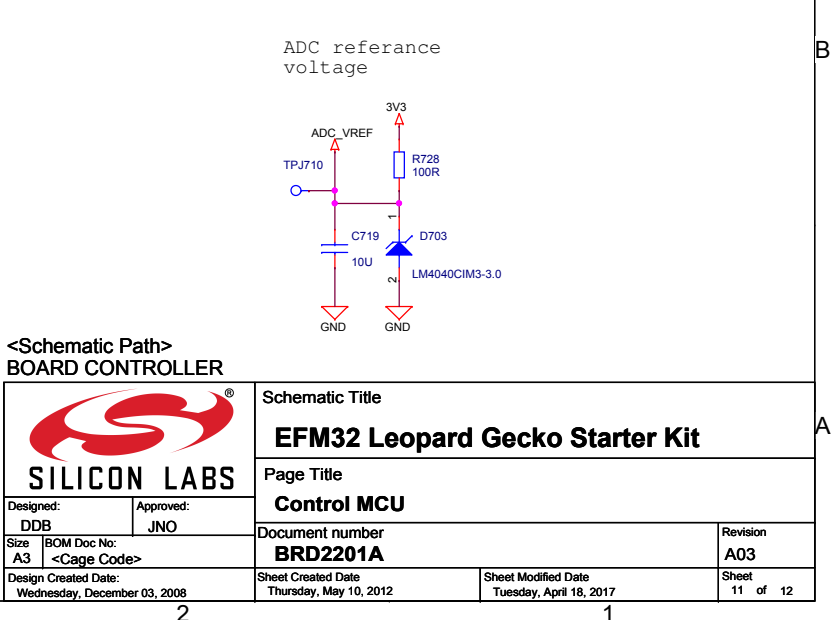
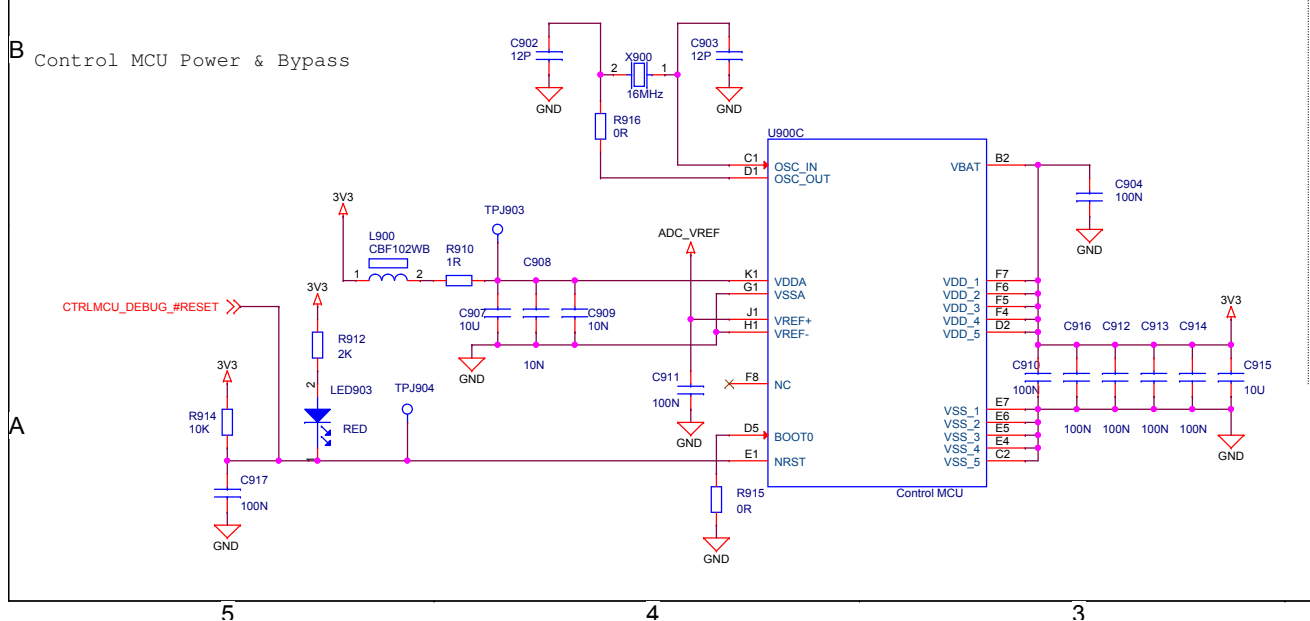
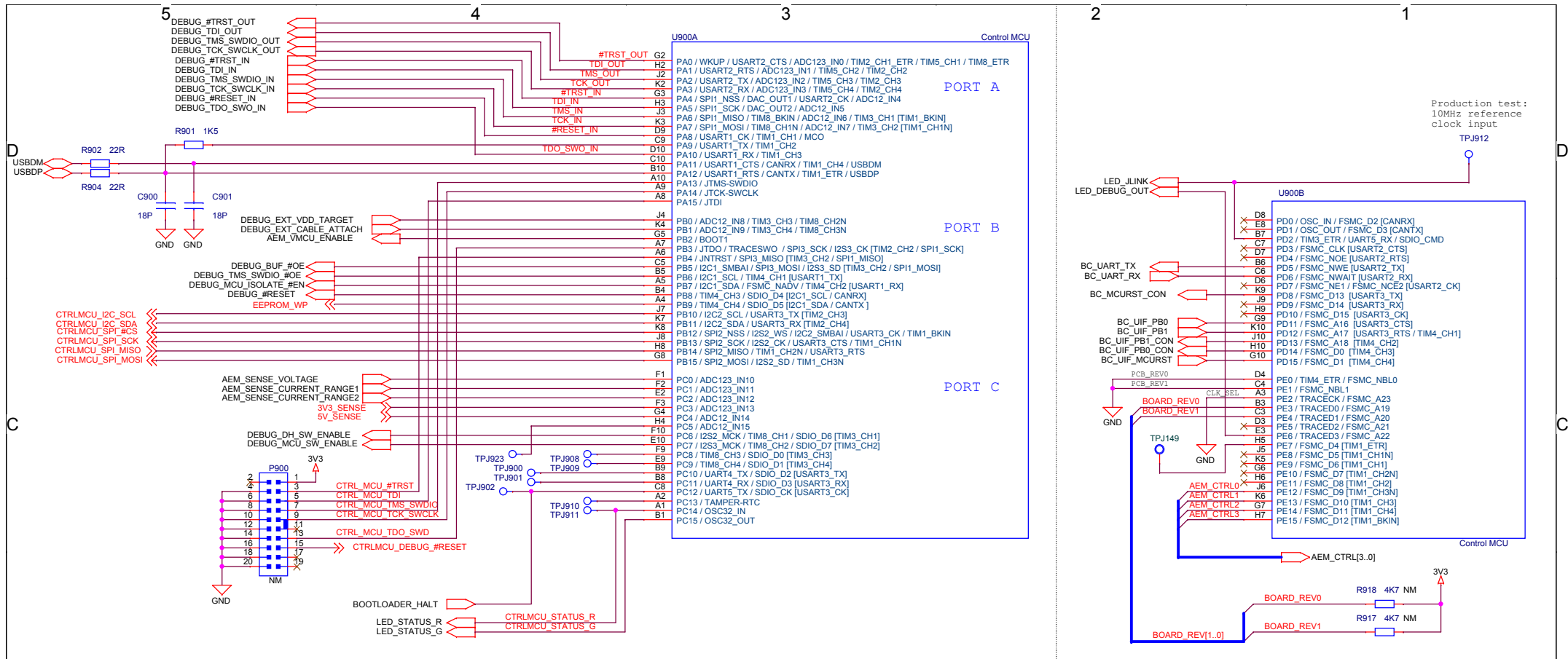


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<table><thead><tr><th>Mode</th><th>DEBUG_MCU_SW_ENABLE</th><th>DEBUG_DH_SW_ENABLE</th><th>DEBUG_BUF_#OE</th><th>ISOLATE_#EN</th><th>DH_VTARGET</th><th>VTARGET</th></tr></thead><tbody><tr><td>Debug Out</td><td>0</td><td>1</td><td>0</td><td>0</td><td>External voltage</td><td>External voltage</td></tr><tr><td>MCU Debug</td><td>1</td><td>0</td><td>0</td><td>1</td><td>Disconnected</td><td>VMCU</td></tr><tr><td>Debug In</td><td>1</td><td>1</td><td>1</td><td>1</td><td>VMCU</td><td>VMCU</td></tr><tr><td>Debug Off</td><td>1</td><td>1</td><td>1</td><td>0</td><td>-</td><td>-</td></tr></tbody></table>							Mode	DEBUG_MCU_SW_ENABLE	DEBUG_DH_SW_ENABLE	DEBUG_BUF_#OE	ISOLATE_#EN	DH_VTARGET	VTARGET	Debug Out	0	1	0	0	External voltage	External voltage	MCU Debug	1	0	0	1	Disconnected	VMCU	Debug In	1	1	1	1	VMCU	VMCU	Debug Off	1	1	1	0	-	-
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Debug In	1	1	1	1	VMCU	VMCU																																			
Debug Off	1	1	1	0	-	-																																			



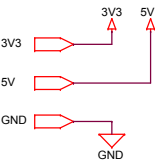
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Designed: DDB	Approved: JNO	Document number	Revision
Size A3	BOM Doc No: <Cage Code>	BRD2201A	A03
Design Created Date: Wednesday, December 03, 2008		Sheet Created Date Saturday, March 21, 2009	Sheet Modified Date Tuesday, April 18, 2017
		Sheet	10 of 10

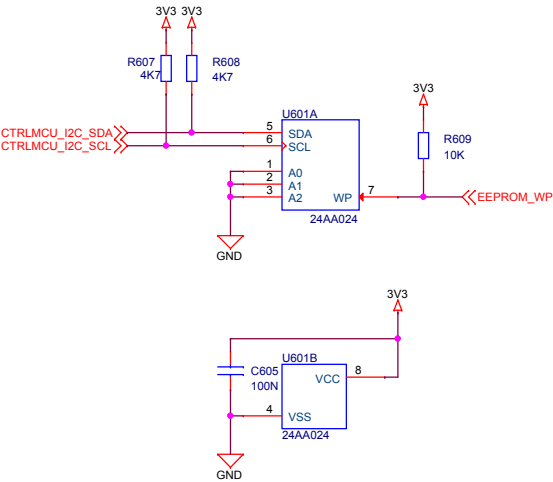


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Size A3		Document number	
BOM Doc No: <Cage Code>		BRD2201A	
Design Created Date		Revision	
Wednesday, December 03, 2008		A03	
Sheet Created Date		Sheet Modified Date	
Thursday, May 10, 2012		Tuesday, April 18, 2017	
Sheet 11 of 12			

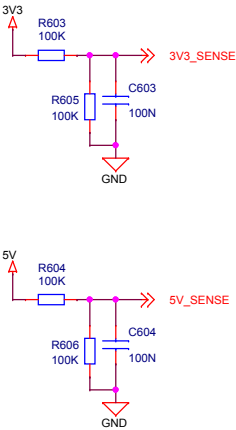
POWER INPUTS



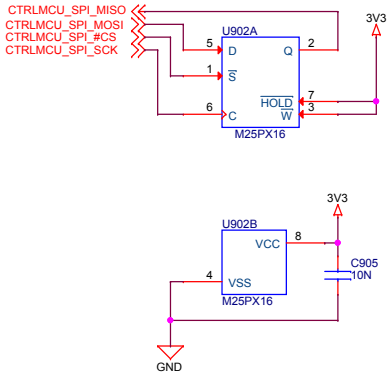
CTRLMCU EEPROM



POWER SENSE



CTRLMCU SERIAL FLASH



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BOARD CONTROLLER

 SILICON LABS	Schematic Title	
	EFM32 Leopard Gecko Starter Kit	
Designed: DDB		Page Title
Approved: JNO		Board Controller Misc
Size A3	BOM Doc No: <Cage Code>	Document number BRD2201A
Design Created Date: Wednesday, December 03, 2008		Revision A03
Sheet Created Date Thursday, May 10, 2012		Sheet Modified Date Tuesday, April 18, 2017
Sheet 12 of 12		