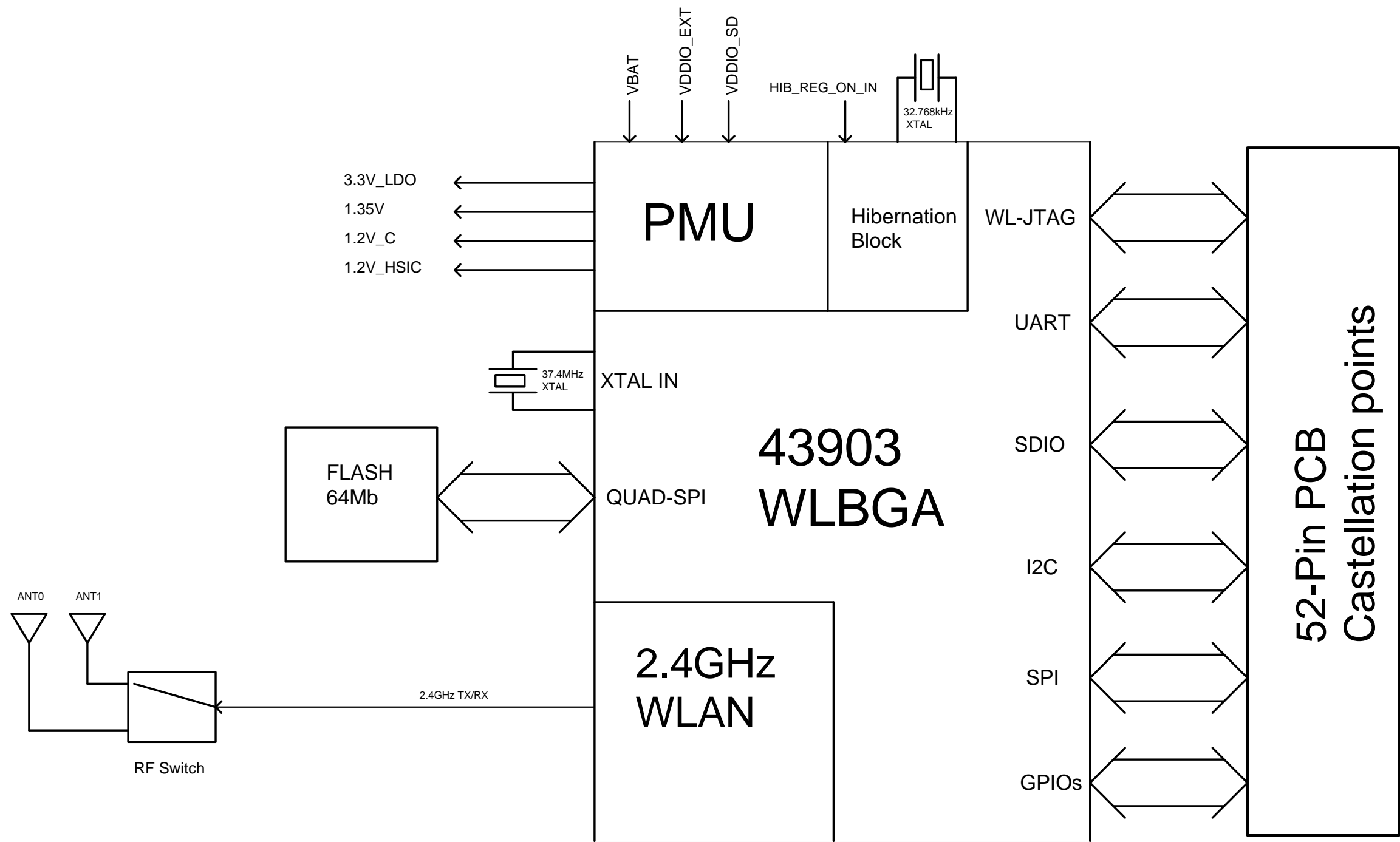


BCM943903WCD1 REFERENCE DESIGN



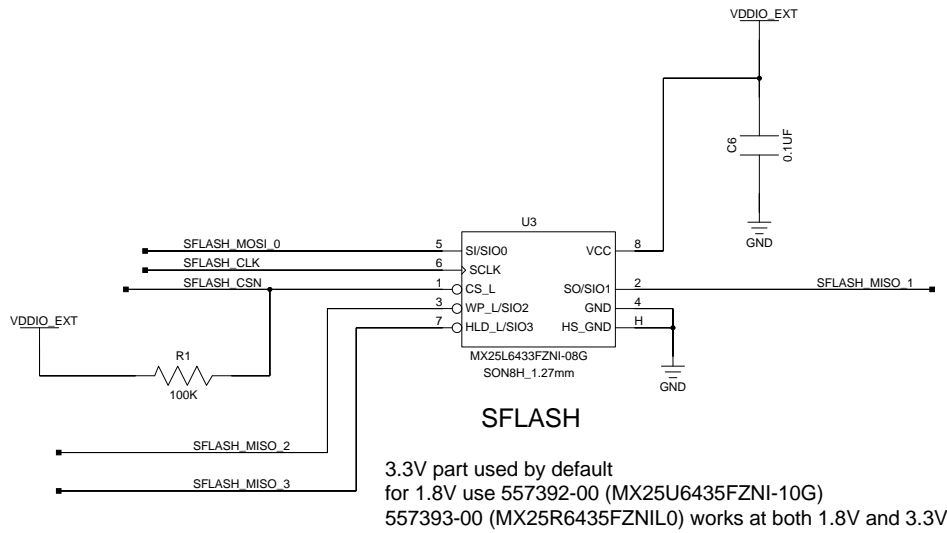
DOCUMENT
REWORK DOCUMENT 812-128998-0010

DOCUMENT
SCHEMATIC DIAGRAM 824-128998-0010

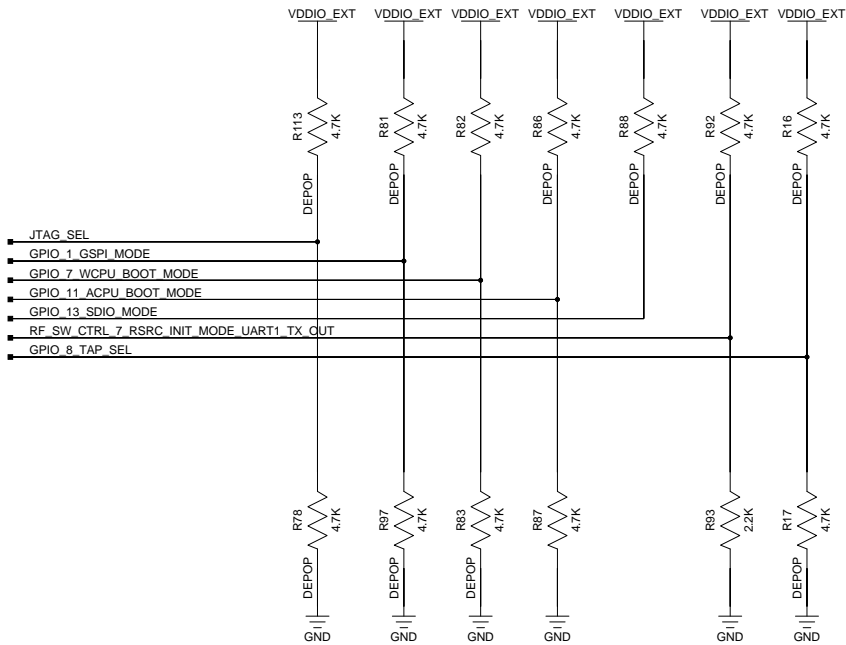
PRINTED CIRCUIT BOARD
200-128998-0010

Approvals		<div>Broadcom</div> <div>Company Confidential</div>		
Designer	Date			
Reviewer	Date	SIZE	TITLE	
		B	BCM943903WCD1	
Reviewer	Date	Designer		Drawing Number
		ROHIN PARKAR		824-128998-0010
Reviewer	Date			Version
				04
DATE		15/09/2015:12:42		SHEET 1 OF 9

D



C



B

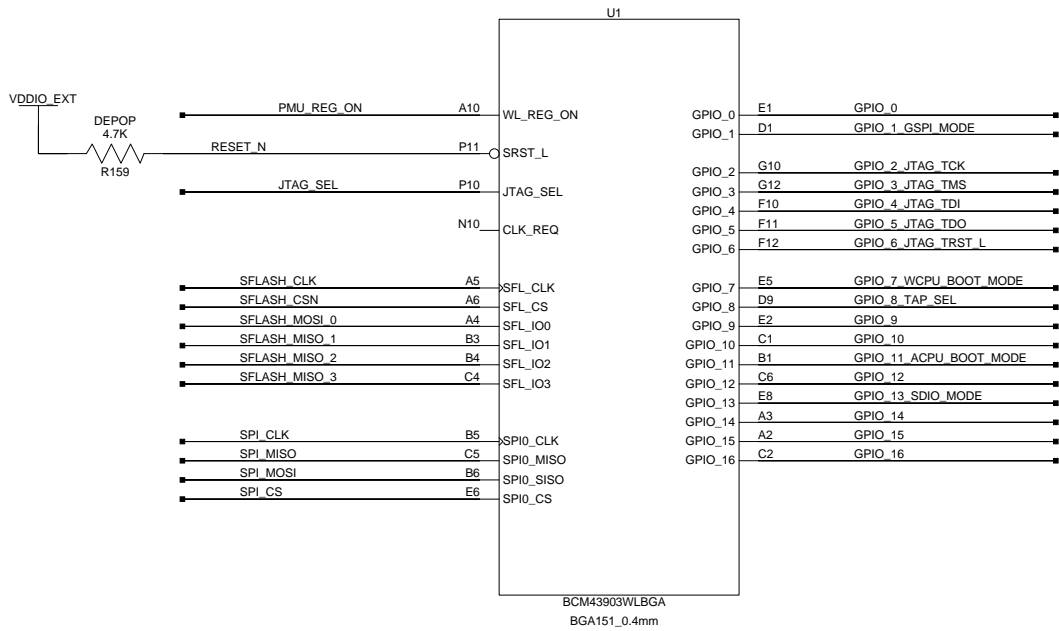
Pin	Strap Function	Strap Pull	
		Chip Default	Board Default
GPIO_1	gSPI Mode	0	0
GPIO_7	WCPU Boot Mode : 0 = TCROM Boot 1 = TCMSRAM Boot	0	0 R83= 4.7K to GND
GPIO_11	ACPU Boot Mode : 0 = SOCROM Boot 1 = SOCSRAM Boot	0	0 R87= 4.7K to GND
GPIO_13	SDIO Mode : 0 = SDIO Device 1 = SDIO Host	0	1 R88= 4.7K to GND
DAP_CLK_SEL	Host DAP Clock Sel	0	0
RF_SW_CTRL_7	Host RSRC Init	0	0

A

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2

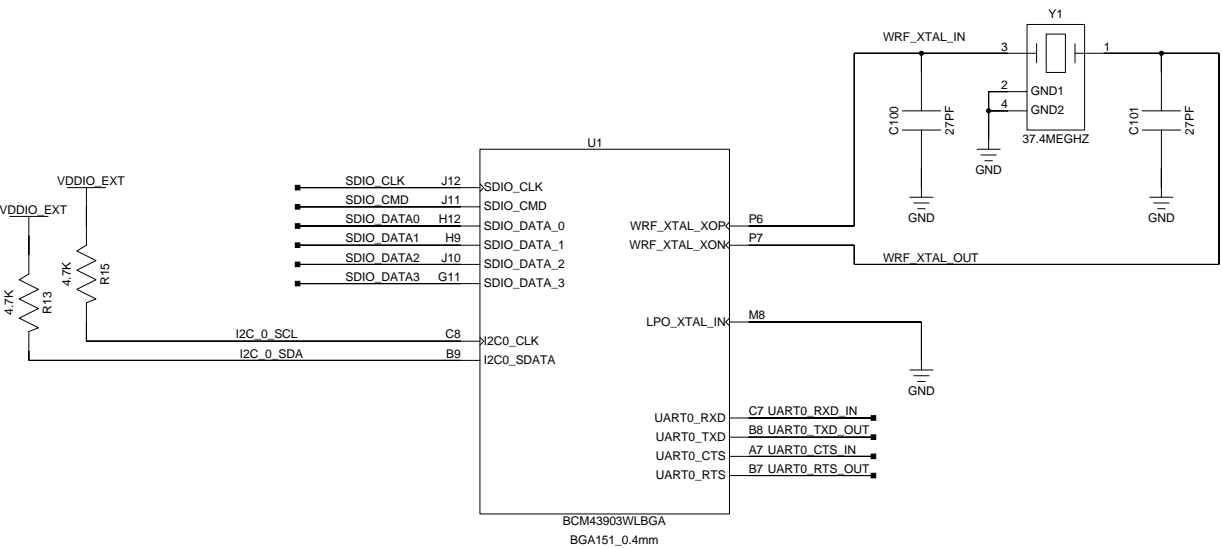
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D

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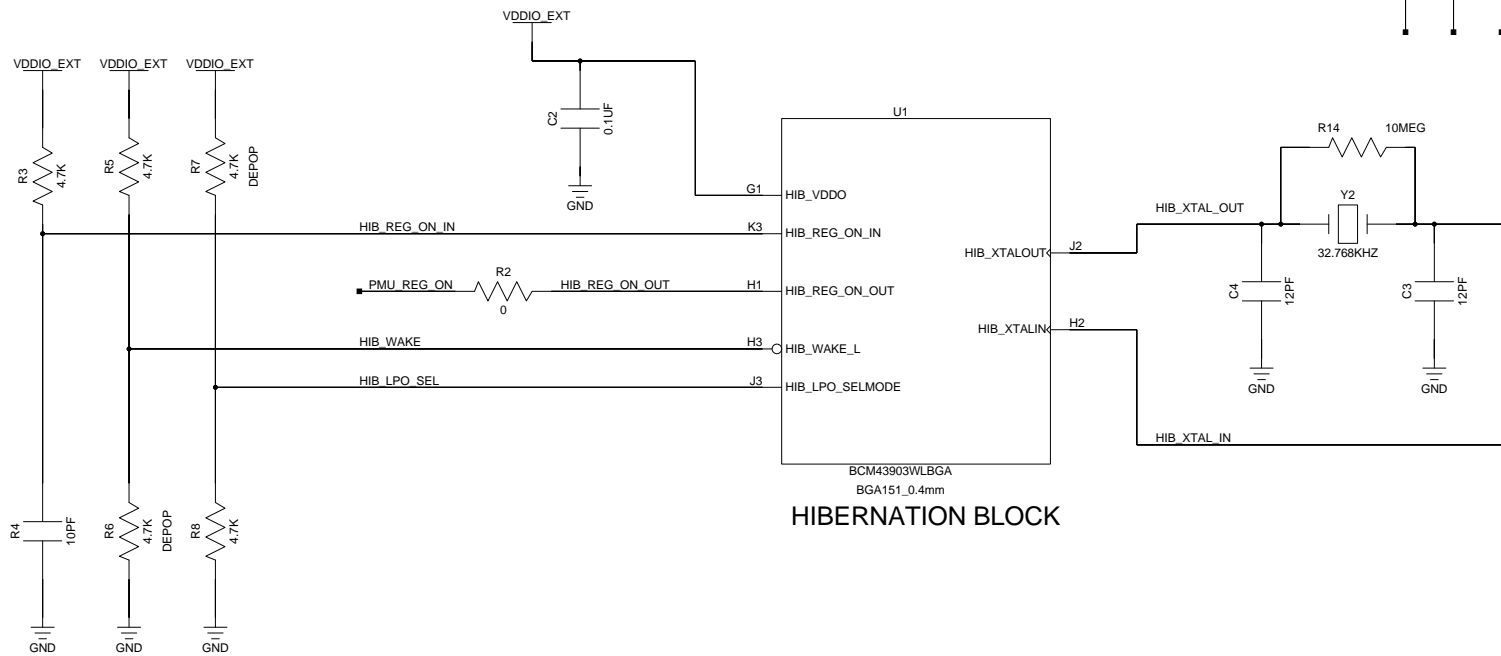
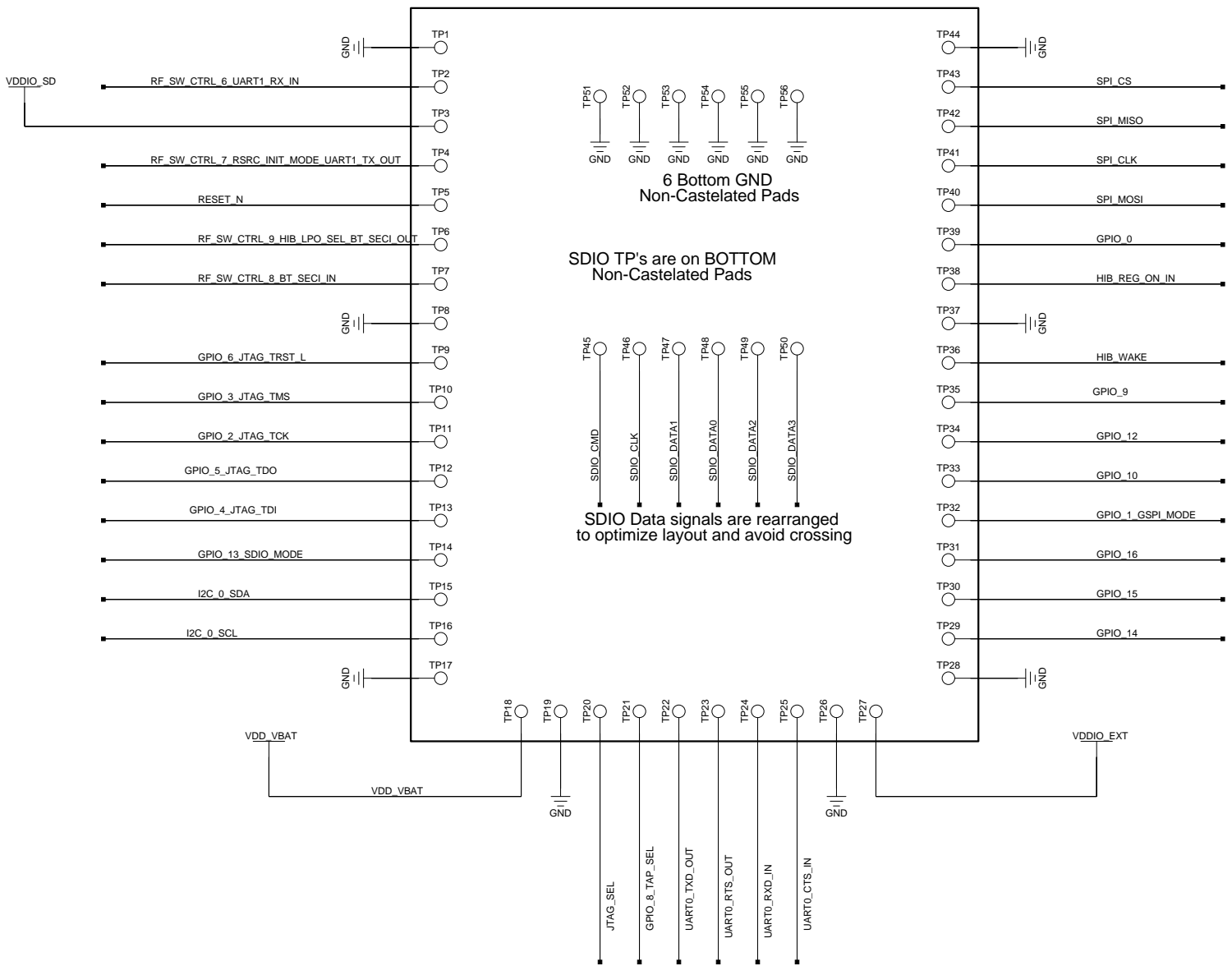
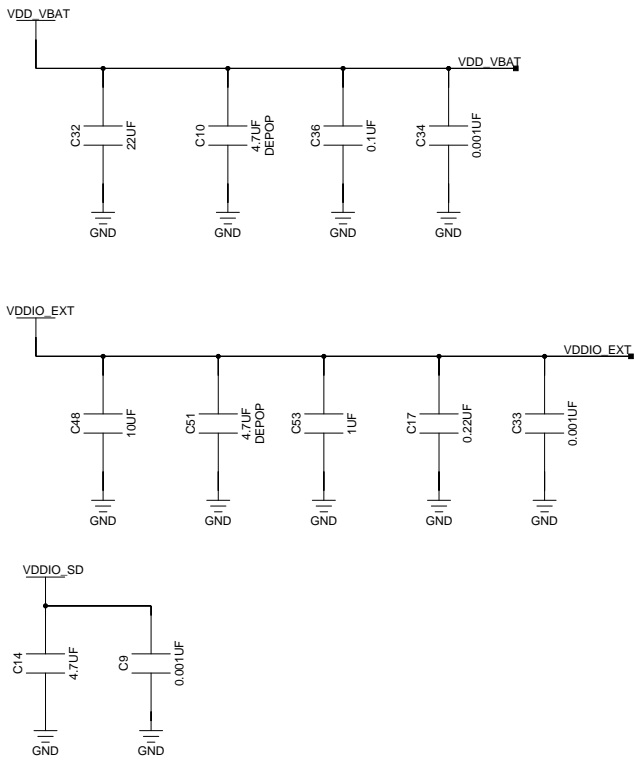
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System Interface, Straps & Flash

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SIZE	TITLE		
B	BCM943903WCD1		
DATE	15/09/2015:13:15	SHEET	2 OF 9

A



Input/Output & Hibernation block

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SIZE	TITLE		
B	BCM943909WCD1_1		
DATE	15/09/2015:12:56	SHEET	3 OF 9

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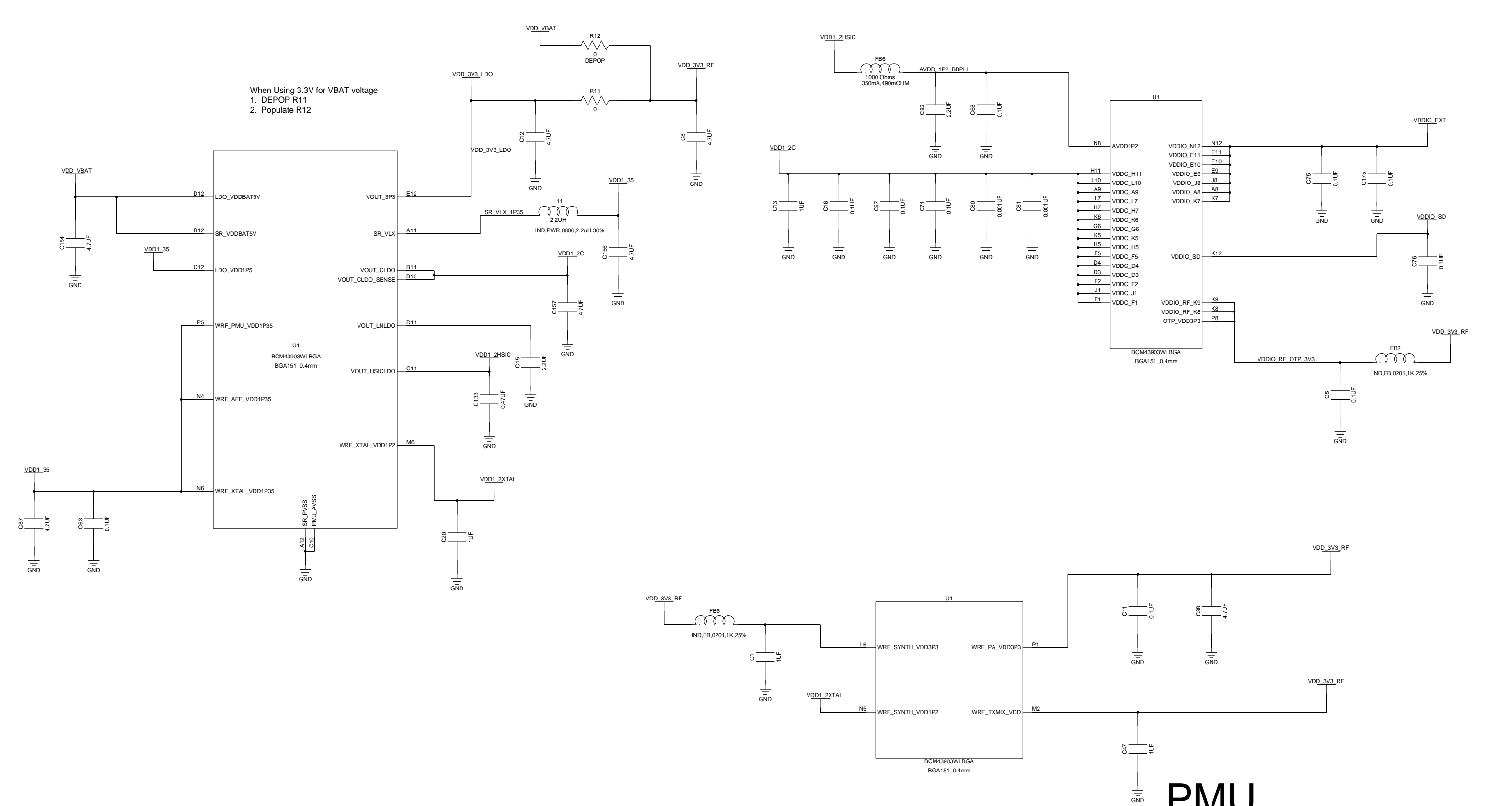
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SIZE		TITLE	
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DATE		01/06/2015:13:55	
SHEET		6 OF 9	

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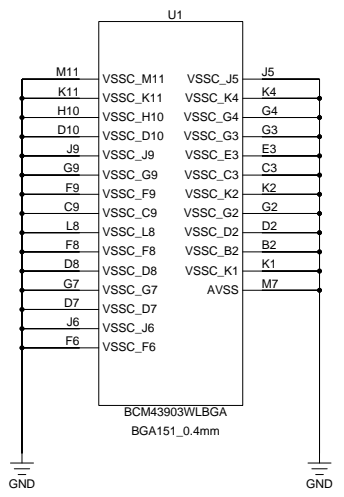
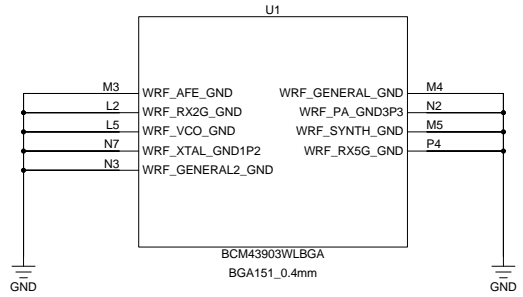
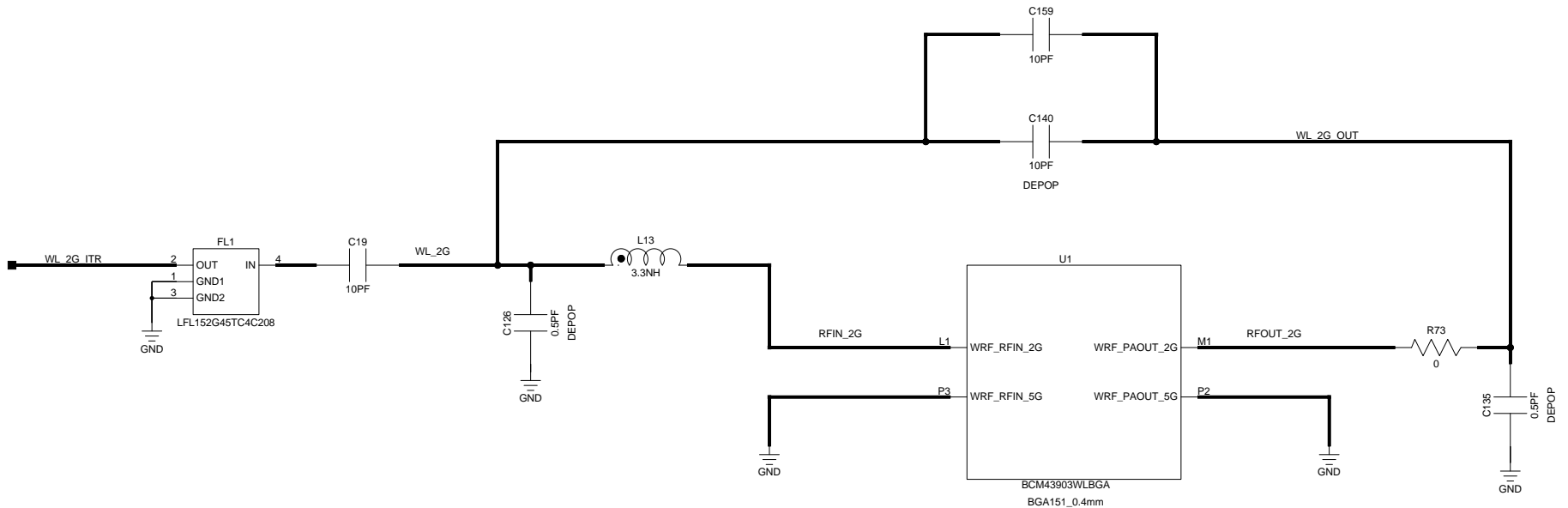
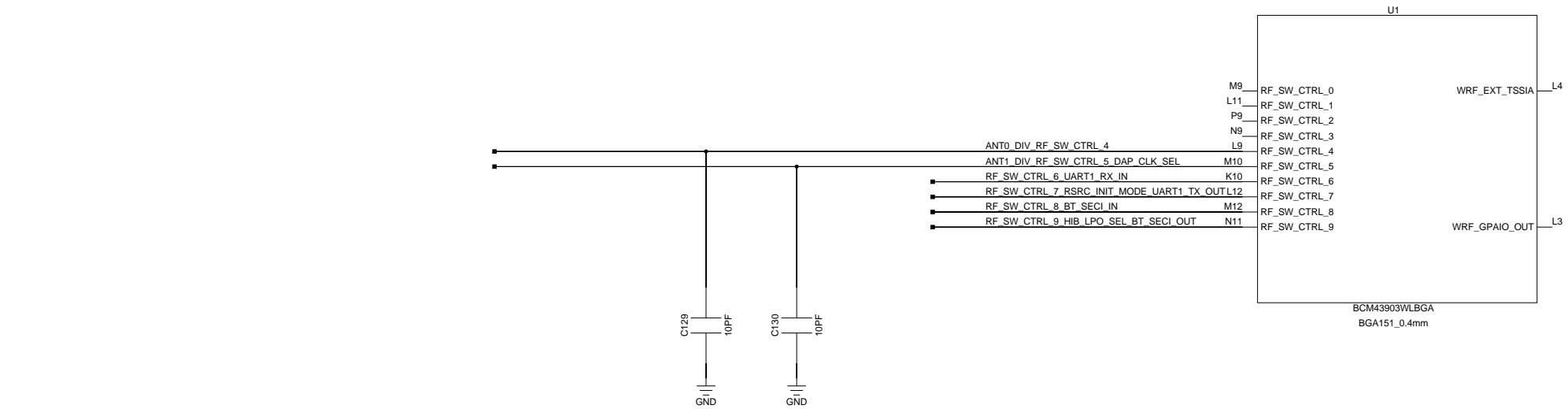
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A



WLAN RF

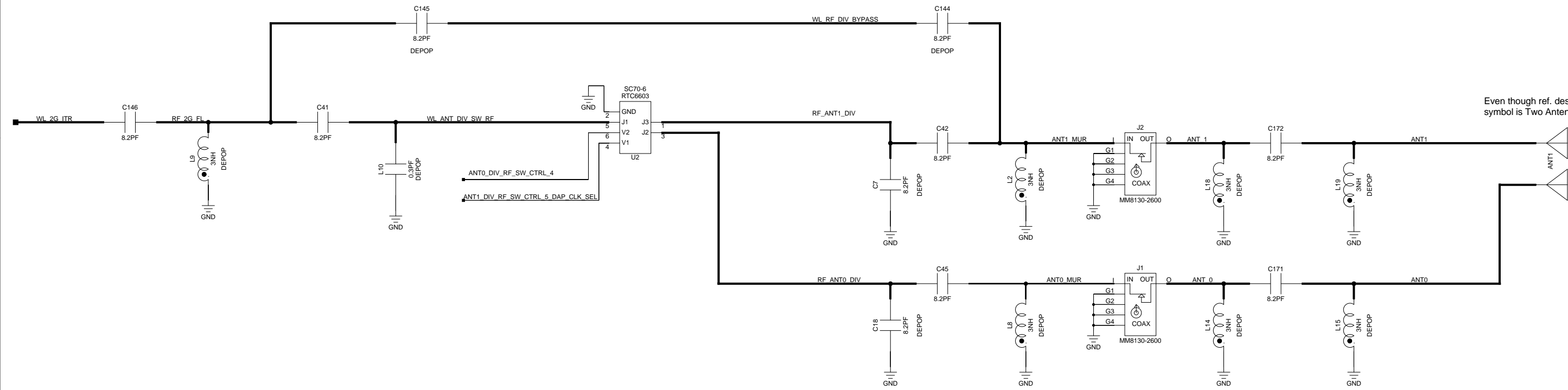
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SIZE		TITLE	
B		BCM943909WCD1_1	
DATE	28/08/2015:15:09	SHEET	7 OF 9

Antenna Diversity Switch Control Table

MODE OF OPERATION Ant Diversity	ANT0_DIV_RF_SW_CTRL_4 SPDT (U2 Pin 6)	ANT1_DIV_RF_SW_CTRL_5 SPDT (U2 Pin 4)
WLAN Ant0	1	0
WLAN Ant1	0	1
ALL OTHER STATES UNDEFINED		



Even though ref. des is ANT1 only, this symbol is Two Antennas that go as a pair

WLAN RF

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SIZE	TITLE	DATE	15/09/2015:12:44	SHEET	8	OF	9
B	BCM943903WCD1_1						