DOCUMENT
SCHEMATIC DIAGRAM 824-127858-0030

PRINTED CIRCUIT BOARD
200-127858-0030

Approvals	
Designer	Date
Reviewer	Date
Reviewer	Date
Reviewer	Date

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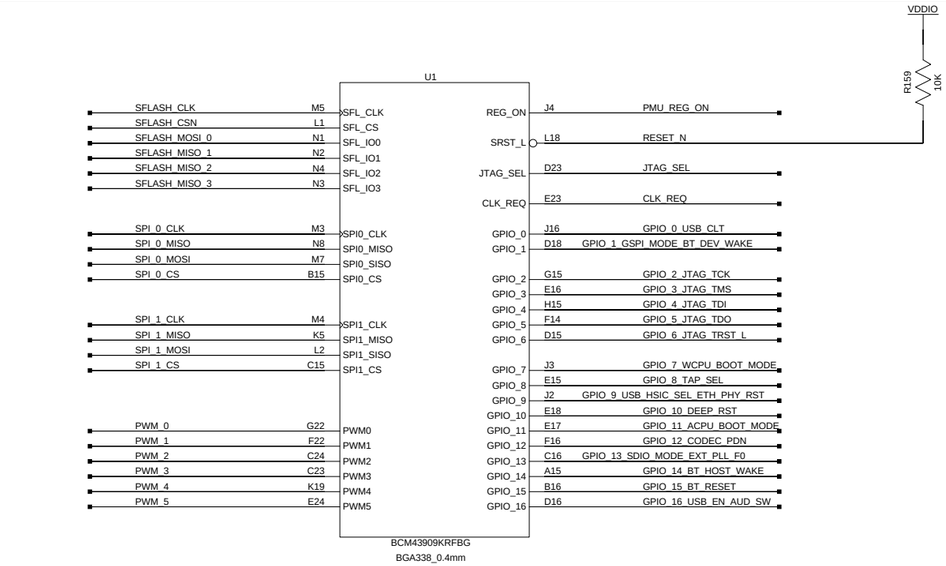
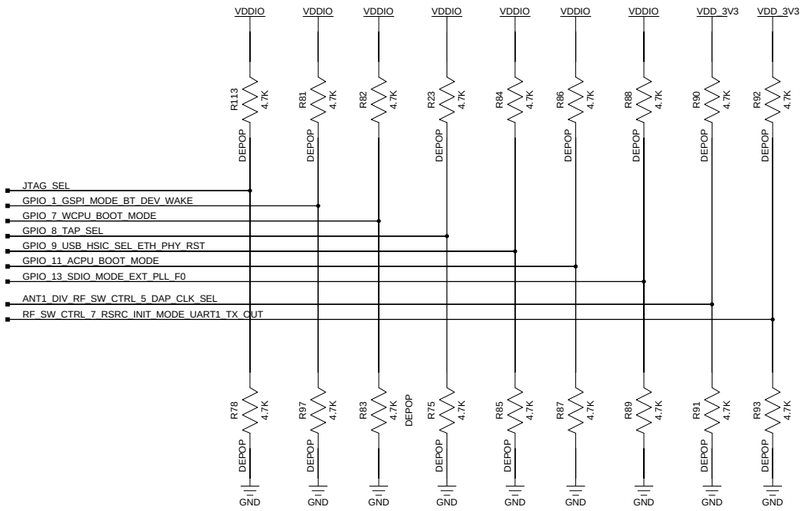
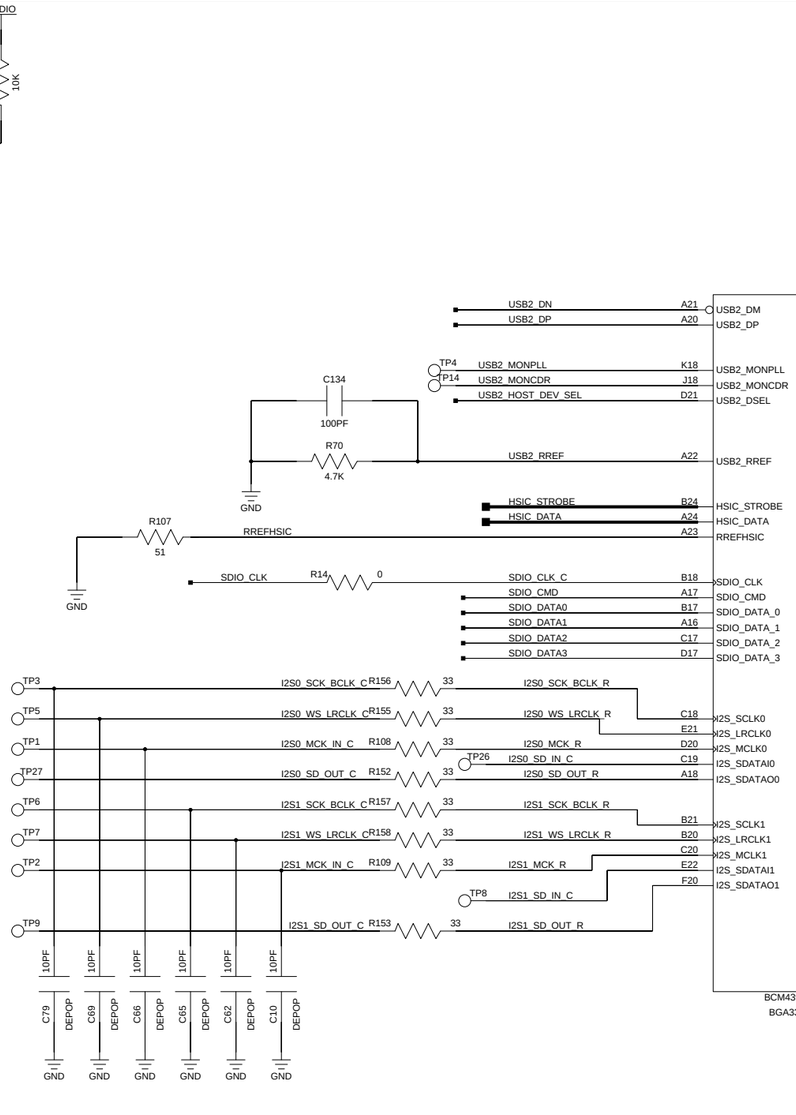
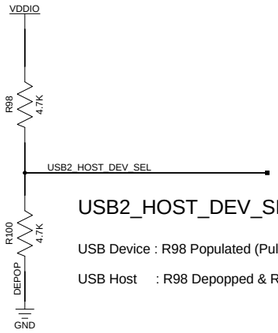
SIZE	TITLE	
B	BCM943909WCD1_3	
Designer: VIJAY DESAI	Drawing Number: 824-127858-0030	Version: 02
DATE 04/03/2015:12:06	SHEET 1 OF 9	





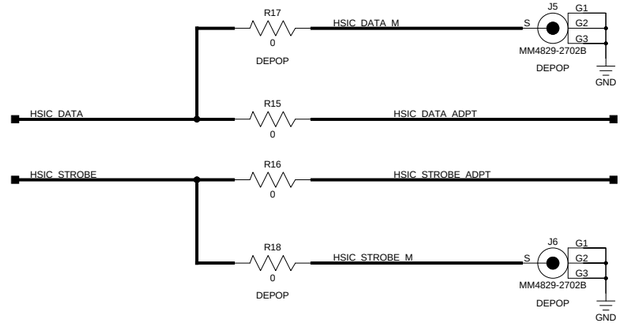




USB2_HOST_DEV_SEL

USB Device : R98 Populated (Pulled High) & R100 Depop

USB Host : R98 Depopped & R100 Populated (Pulled Low)



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_9	USB/HSIC Sel : 0 = HSIC PHY 1 = USB PHY	0	1 R84= 4.7K to 3.3V
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
GPIO_15	Strap Removed in B0		
RF_SW_CTRL_5	Host DAP Clock Sel	0	0
RF_SW_CTRL_7	Host RSRC Init	0	0
RF_SW_CTRL_9	LPO Sel : 0 = LPO from HIB 1 = Internal 32KHz LPO	0	0

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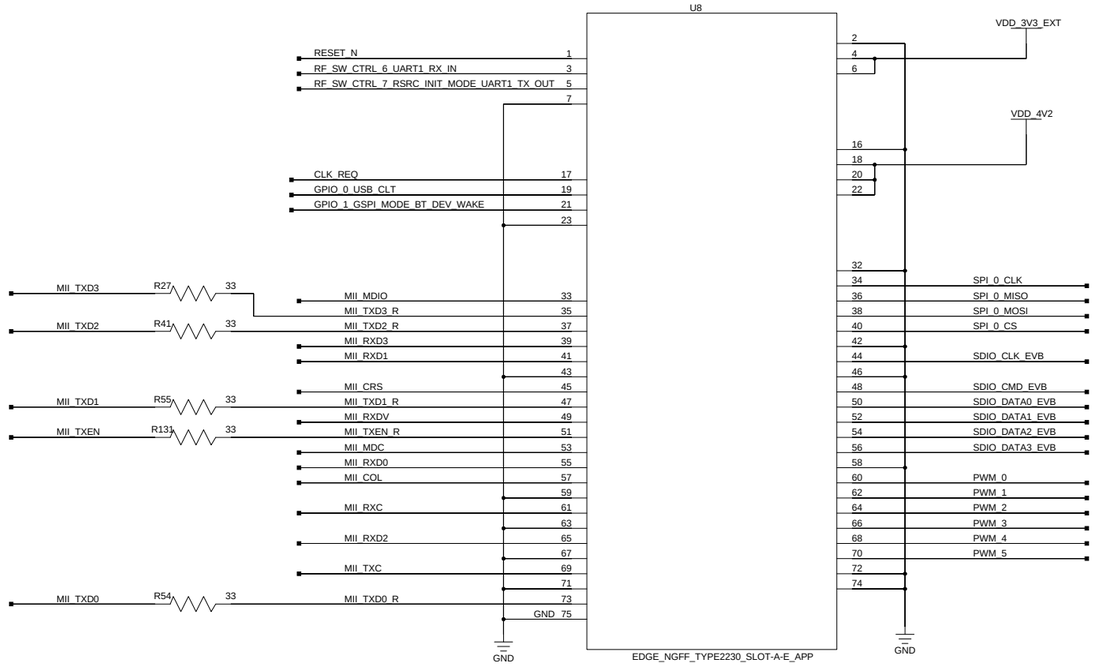
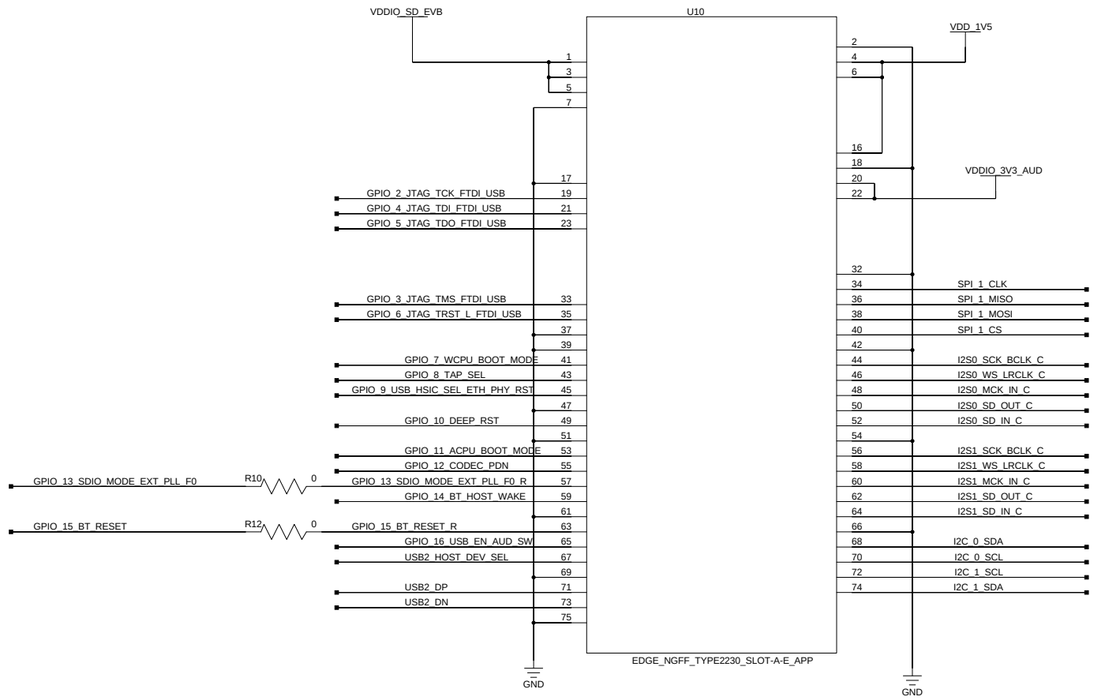
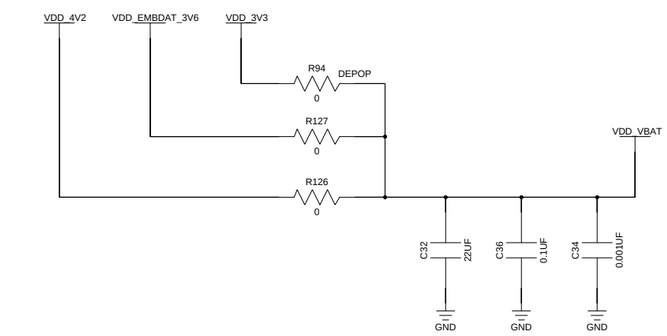
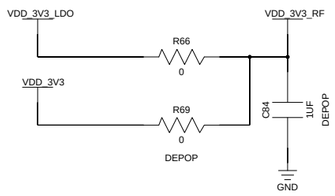
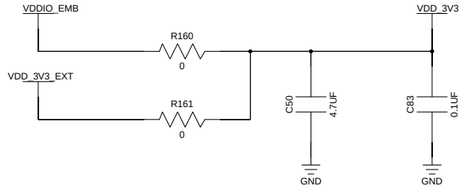
SIZE	TITLE
B	BCM943909WCD1_3
DATE 05/03/2015:17:35	SHEET 2 OF 9

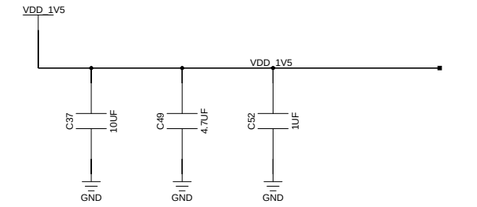


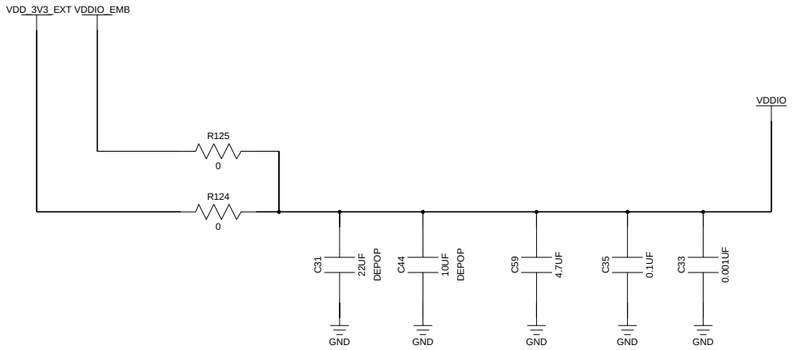


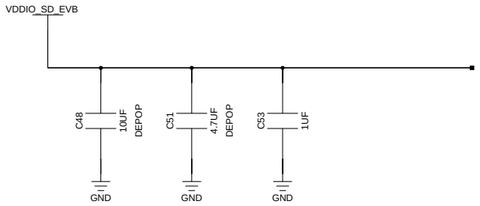


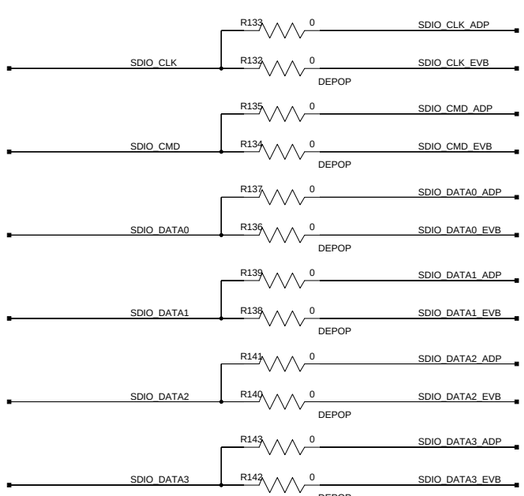












M.2 Connectors

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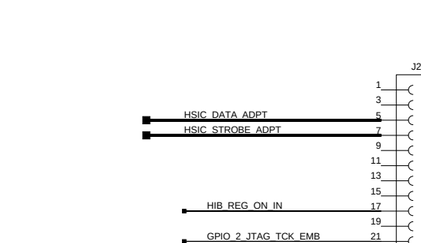
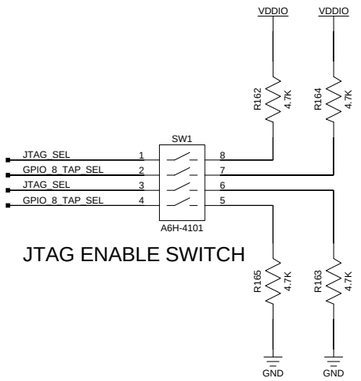
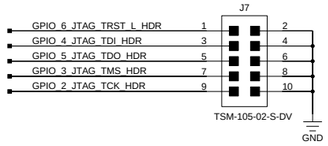
SIZE	TITLE	
B	BCM943909WCD1_3	
DATE 04/03/2015:12:10		SHEET 3 OF 9

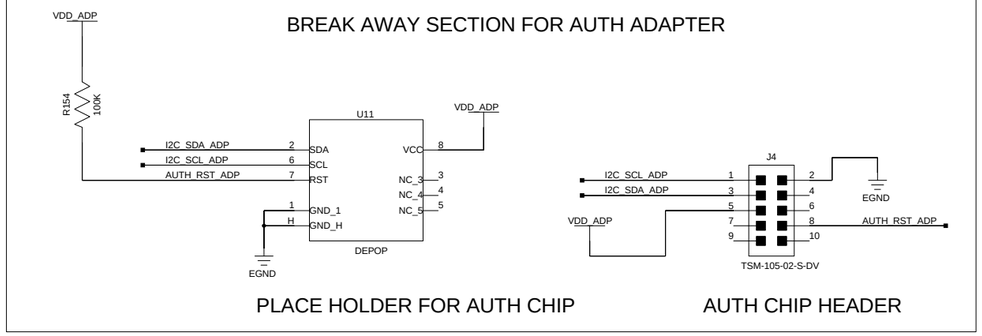




JTAG ENABLE SWITCH



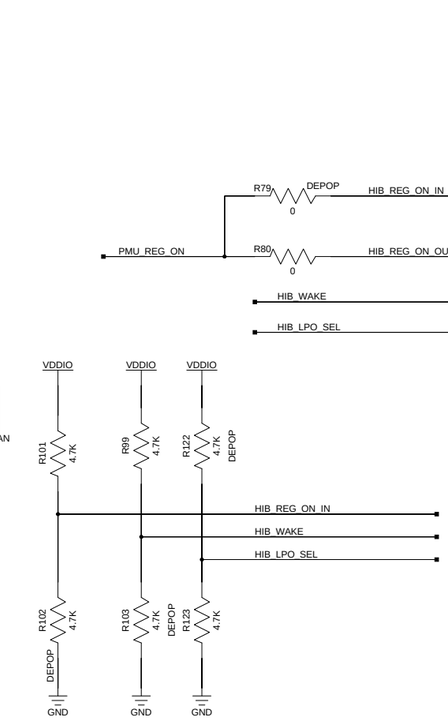
WLAN JTAG HEADER



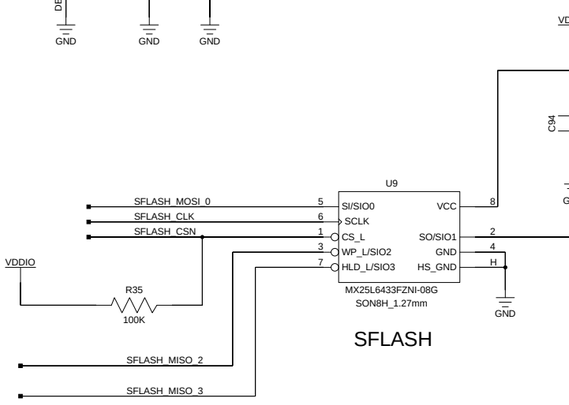
BREAK AWAY SECTION FOR AUTH ADAPTER

PLACE HOLDER FOR AUTH CHIP

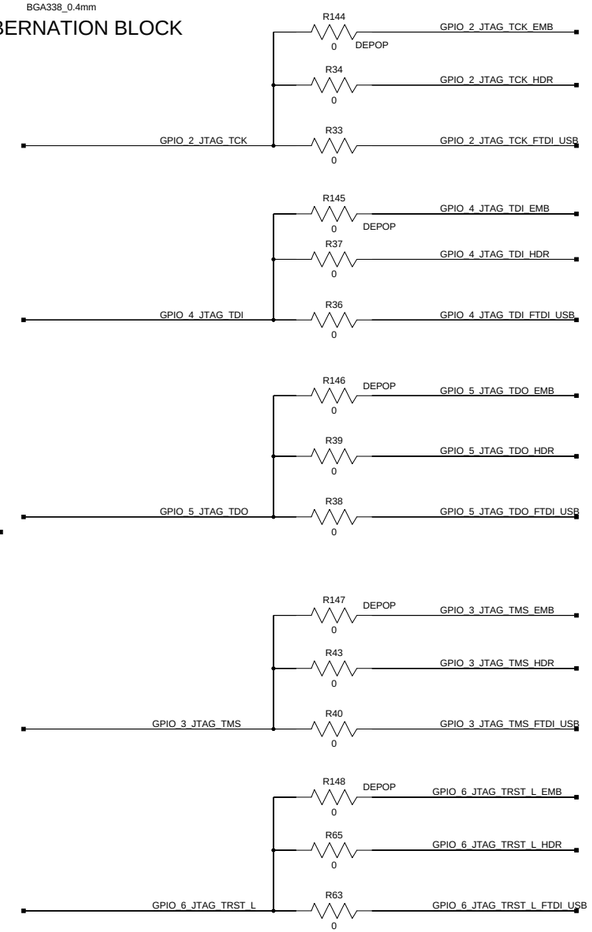
AUTH CHIP HEADER



HIBERNATION BLOCK



SFLASH



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SIZE	TITLE	
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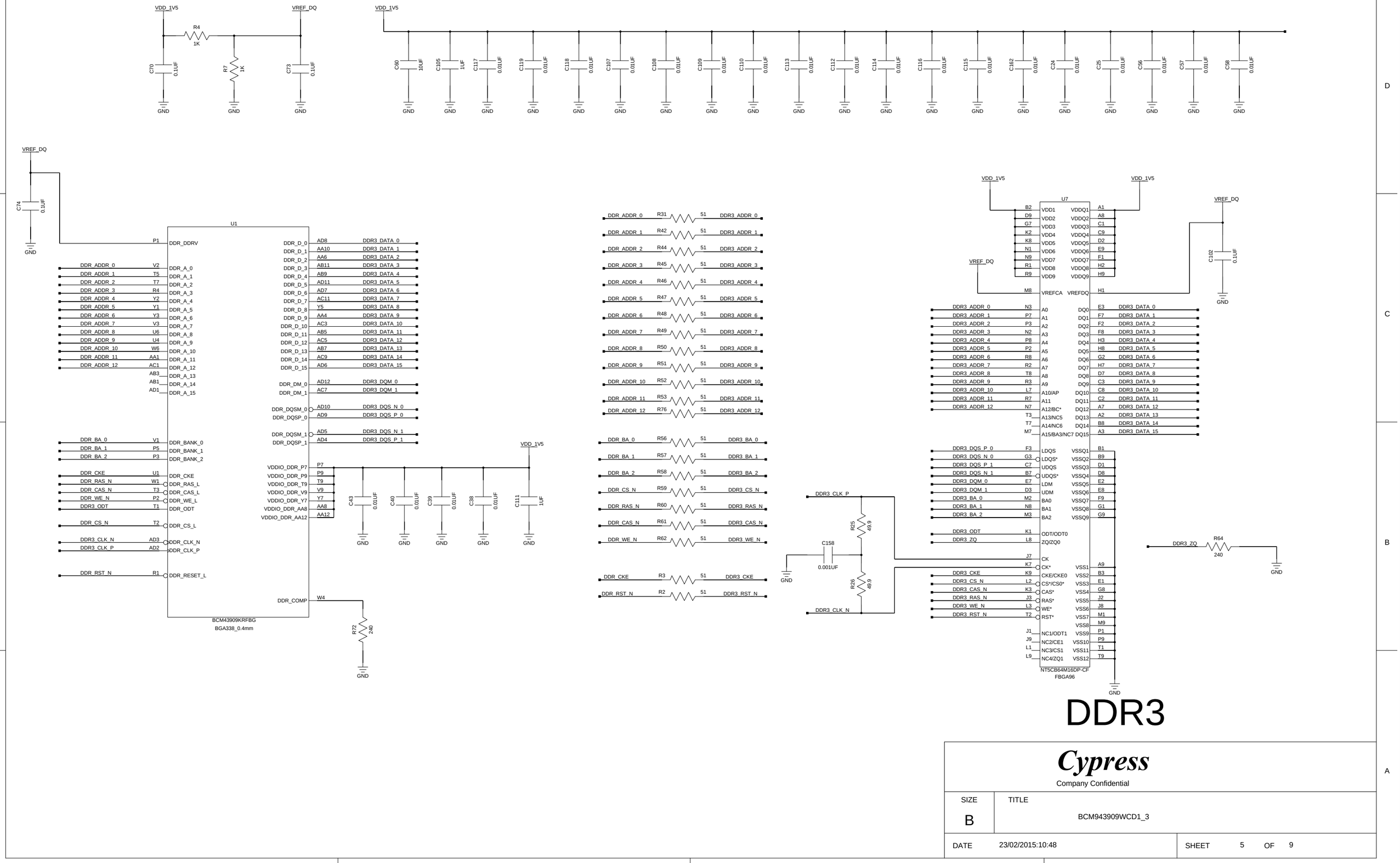
DATE 05/03/2015:17:32		SHEET 4 OF 9



DDR3

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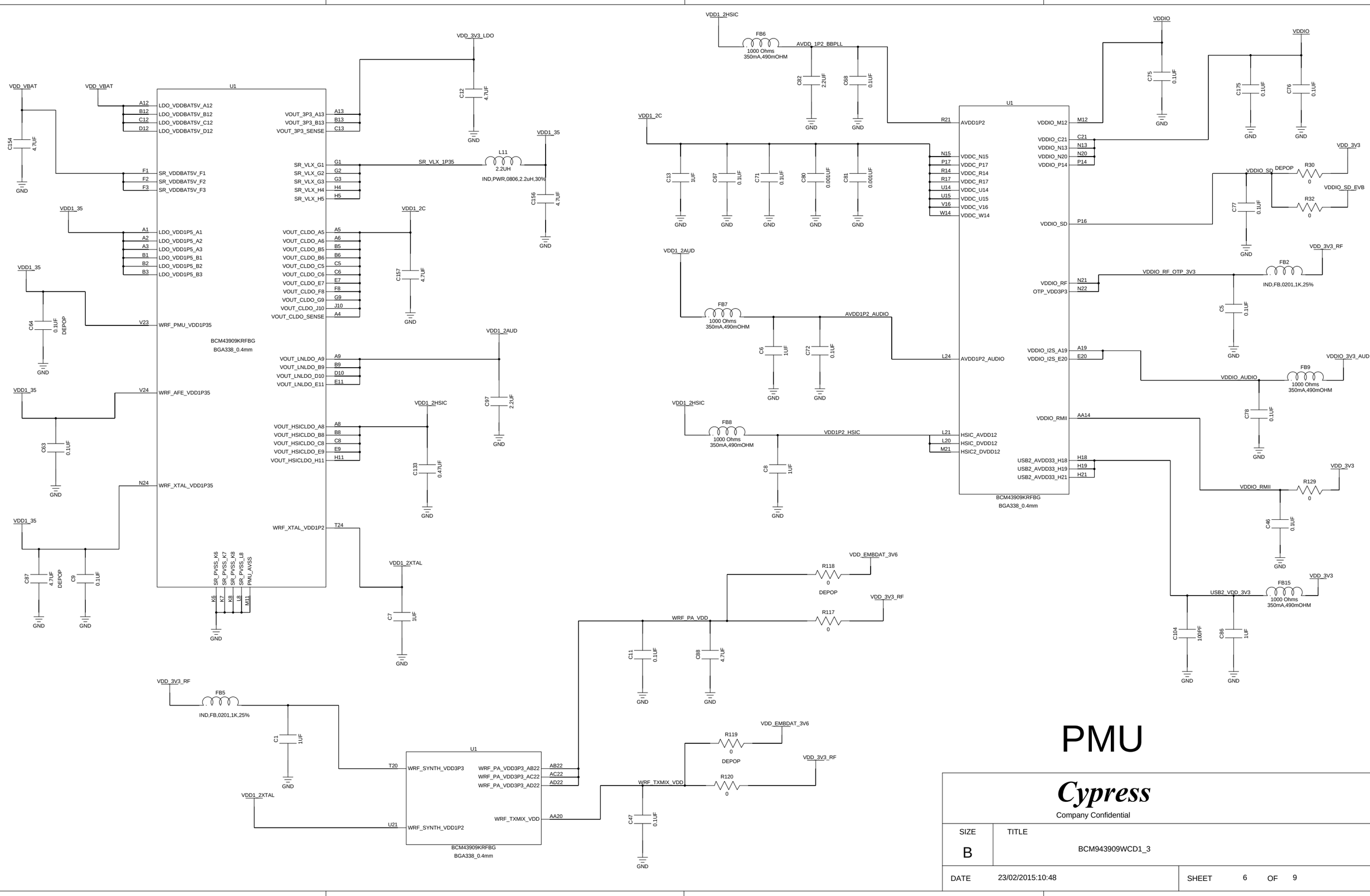
SIZE B	TITLE BCM943909WCD1_3	
DATE 23/02/2015:10:48		SHEET 5 OF 9



PMU

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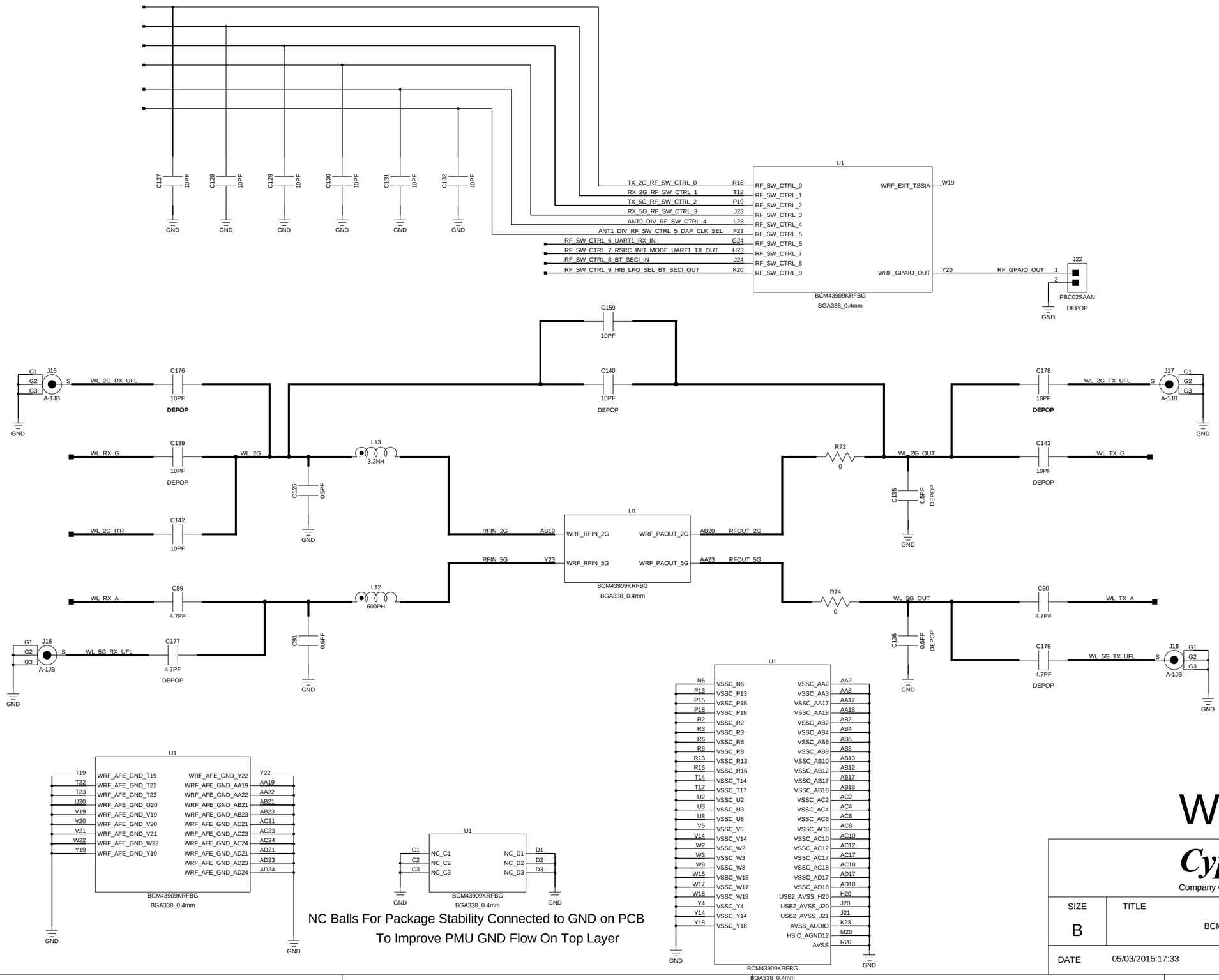
SIZE	TITLE	
B	BCM943909WCD1_3	
DATE 23/02/2015:10:48		SHEET 6 OF 9



WLAN RF

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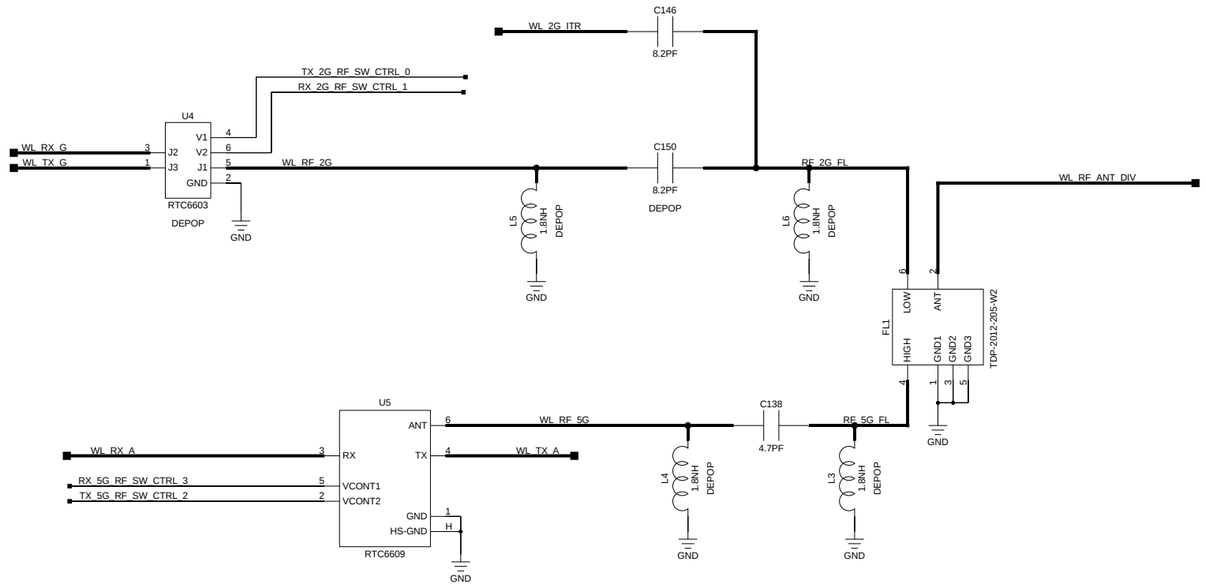
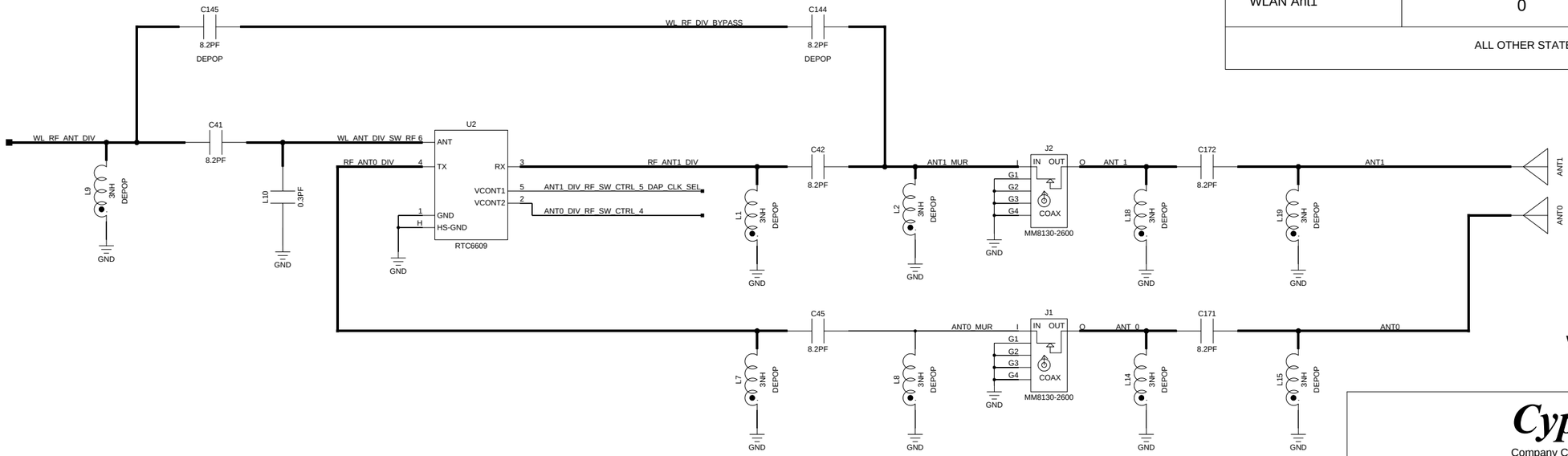
SIZE	TITLE	
B	BCM943909WCD1_3	
DATE 05/03/2015:17:33		SHEET 7 OF 9





2G T/R Switch Control Table

MODE OF OPERATION 2GHz SW (U4)	TX_2G_RF_SW_CTRL_0 2G SPDT (U4 Pin 4)	RX_2G_RF_SW_CTRL_1 2G SPDT (U4 Pin 6)
WLAN TX 2G	1	0
WLAN RX 2G	0	1
ALL OTHER STATES UNDEFINED		

5G T/R Switch Control Table

MODE OF OPERATION 5GHz SW (U5)	TX_5G_RF_SW_CTRL_2 5G SPDT (U5 Pin 2)	RX_5G_RF_SW_CTRL_3 5G SPDT (U5 Pin 5)
WLAN TX 5G	1	0
WLAN RX 5G	0	1
ALL OTHER STATES UNDEFINED		

Antenna Diversity Switch Control Table

MODE OF OPERATION Ant Diversity	ANT0_DIV_RF_SW_CTRL_4 SPDT (U2 Pin 2)	ANT1_DIV_RF_SW_CTRL_5_DAP_CLK_SEL SPDT (U2 Pin 5)
WLAN Ant0	1	0
WLAN Ant1	0	1
ALL OTHER STATES UNDEFINED		

WLAN RF

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SIZE	TITLE	
B	BCM943909WCD1_3	
DATE 23/02/2015:10:49		SHEET 8 OF 9

BT

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SIZE B	TITLE BCM943909WCD1_3	
DATE 26/02/2015:17:30		SHEET 9 OF 9