GPIO FUNCTIONALITY FROM BCM43907 PERSPECTIVE						
Actual PAD Names on BCM43907 WLCSP PKG	GPIO Definition on BCM43907 GCI Bus 2nd # is FUNCTION TABLE	Input or Output from BCM43907	Description of Functionality			
GPIO_0	GPIO_0 1	Input	AUDIO_MULTI_SW			
GPIO_1	GPIO_1 1	Output	43907 Wakes up BT IC (BT_DEV_WAKE)			
GPIO_2	GPIO_2 1*	NC - JTAG	Not Used JTAG_TCK - 4 Debug			
GPIO_3	GPIO_3 1*	NC - JTAG	Not Used JTAG_TMS - 4 Debug			
GPIO_4	GPIO_4 1*	NC - JTAG	Not Used JTAG_TDI - 4 Debug			
GPIO_5	GPIO_5 1*	NC - JTAG	Not Used JTAG_TDO - 4 Debug			
GPIO_6	GPIO_6 1*	NC - JTAG	Not Used JTAG_TRST_L - 4 Debug			
GPIO_7	GPIO_7 1	Input	AUDIO_FWD_SW			
GPIO_8	GPIO_8 1	Input	TAP_SEL			
GPIO_9	GPIO_9 1	Input	AUDIO_VOL_UP_SW			
GPIO_10	GPIO_10 1	Input	AUTH IC RESET			
GPIO_11	GPIO_11 1	NC	Not Used			
GPIO_12	GPIO_12 1	Input	CODEC PDN			
GPIO_13	GPIO_13 1	Input	AUDIO_VOL_DOWN_SW			
GPIO_14	GPIO_14 1	Input	BT IC Wakes up 43907 (BT_HOST_WAKE)			
GPIO_15	GPIO_15 1	Input	43907 Reset to BT IC (LOW = RESET BT 707)			
GPIO_16	GPIO_16 1	Output	Battery Charger Interrupt			
PWM_0	GPIO_18 3	Input	Enable +3.3V SW Regulator PSM mode (Power Save Mode)			
PWM_1	GPIO_19 3	Output	Enable +2.0V SW Regulator			
PWM_2	GPIO_20 3	Output	Enable +1.8V LDO			
PWM_3	GPIO_21 3	Input	Enable Green LED			
PWM_4	GPIO_22 3	Input	Enable Red LED			
PWM_5	GPIO_23 3	Input	AUDIO_BCK_SW			
SPI_0_CLK	GPIO_25 3	Input	Audio Interrupt			
SPI_0_MISO	GPIO_24 3	Input	AUDIO_PLAY_PAUSE_SW			
SPI_0_MOSI	GPIO_26 3	IN / OUT	TEST POINT			
SPI_0_CS	GPIO_27 3	IN / OUT	TEST POINT			
I2C0_SDATA	GPIO_28 3	IN / OUT	12C0			
I2C0_CLK	GPIO_29 3	IN / OUT	I2C0			

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2

4

DOCUMENT

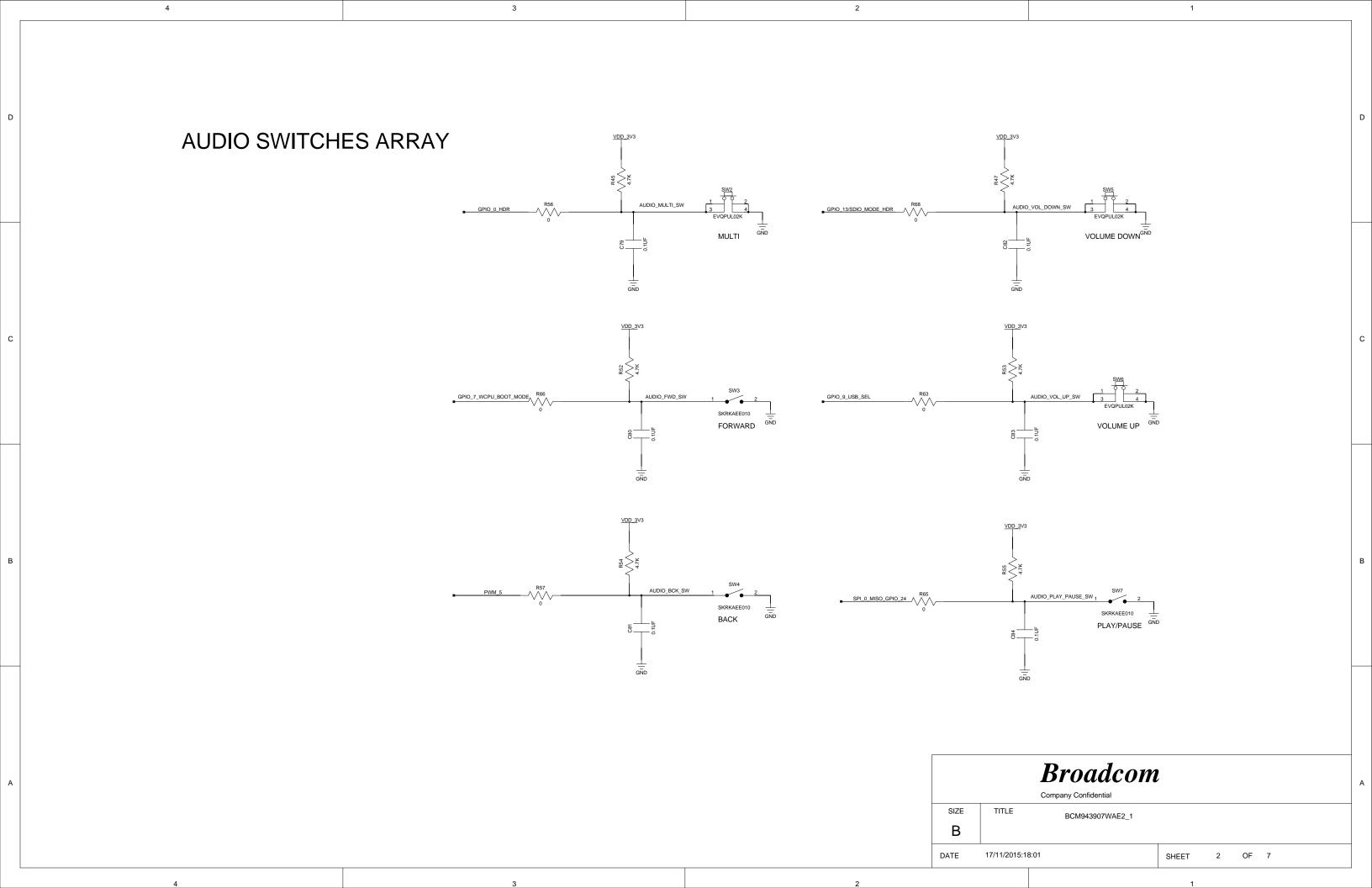
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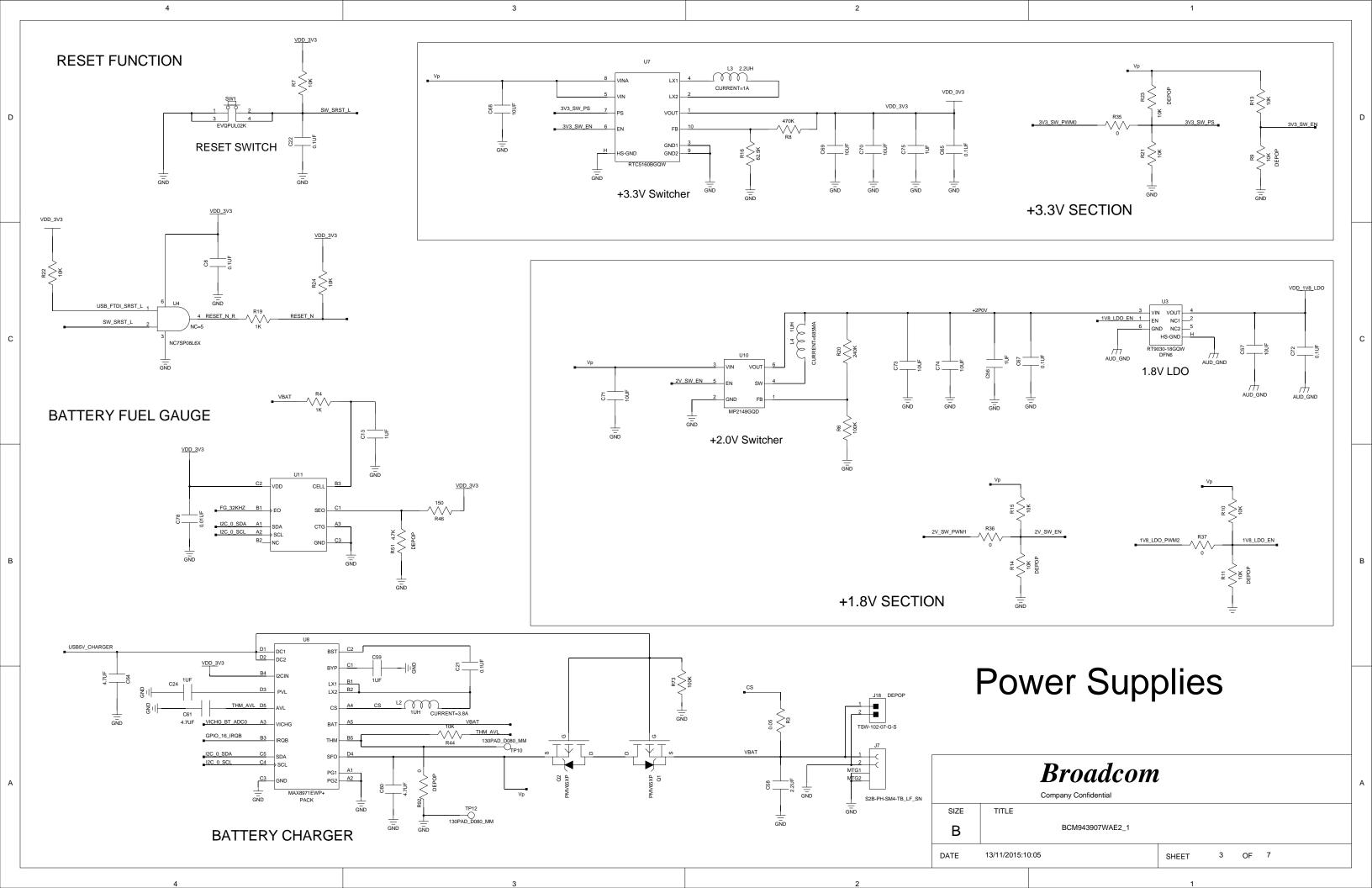
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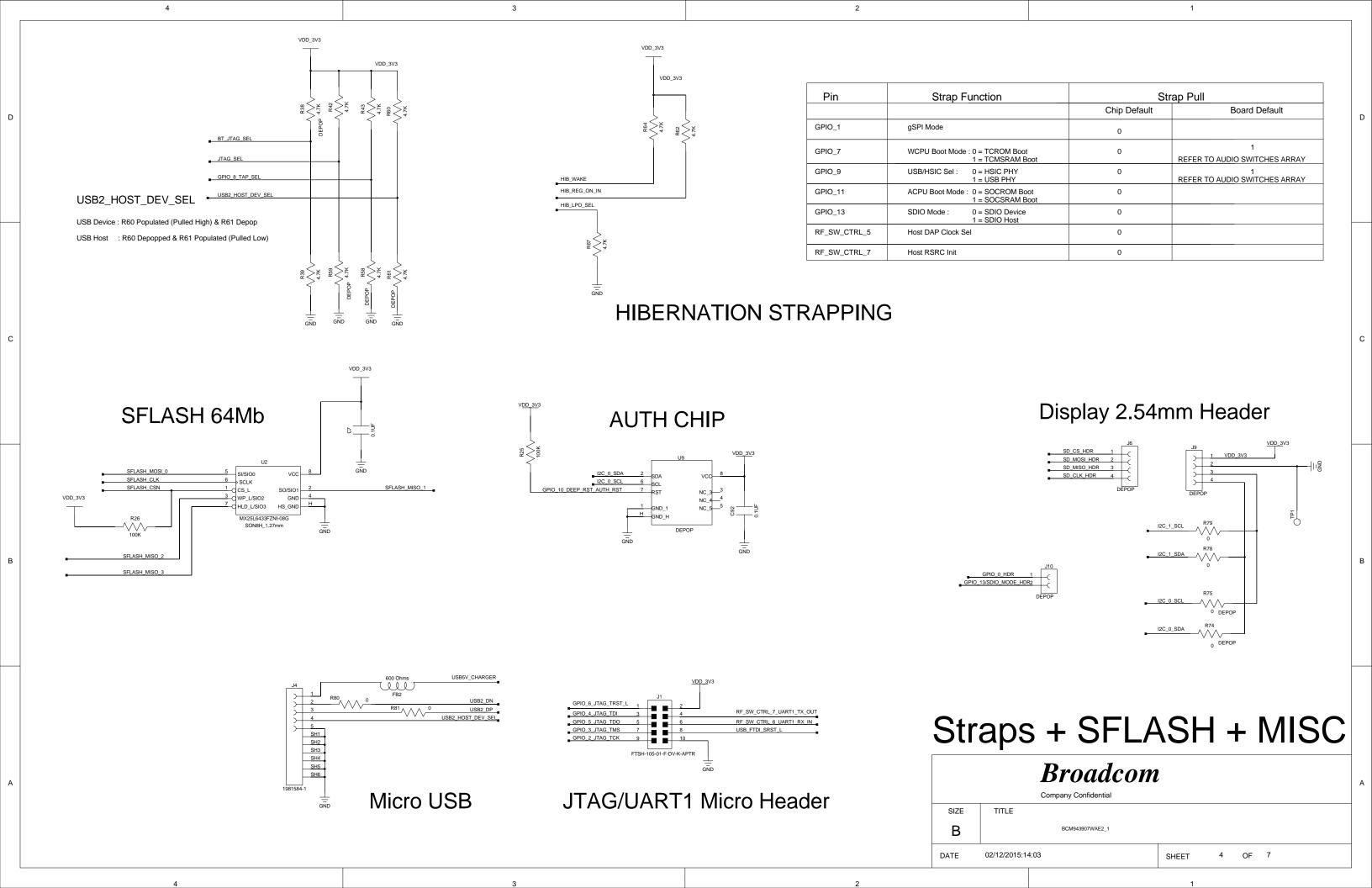
Approvals			Broadco	m)			
Designer	Date	Company Confidential						
Reviewer	Date	B BCM943907WAE2_1						
Reviewer	Date Date	Designer MILIU			rawing Number 324-130092-0010)		Version 01
Reviewei	Date	DATE	13/11/2015:10:31		SHEET 1	OF	7	

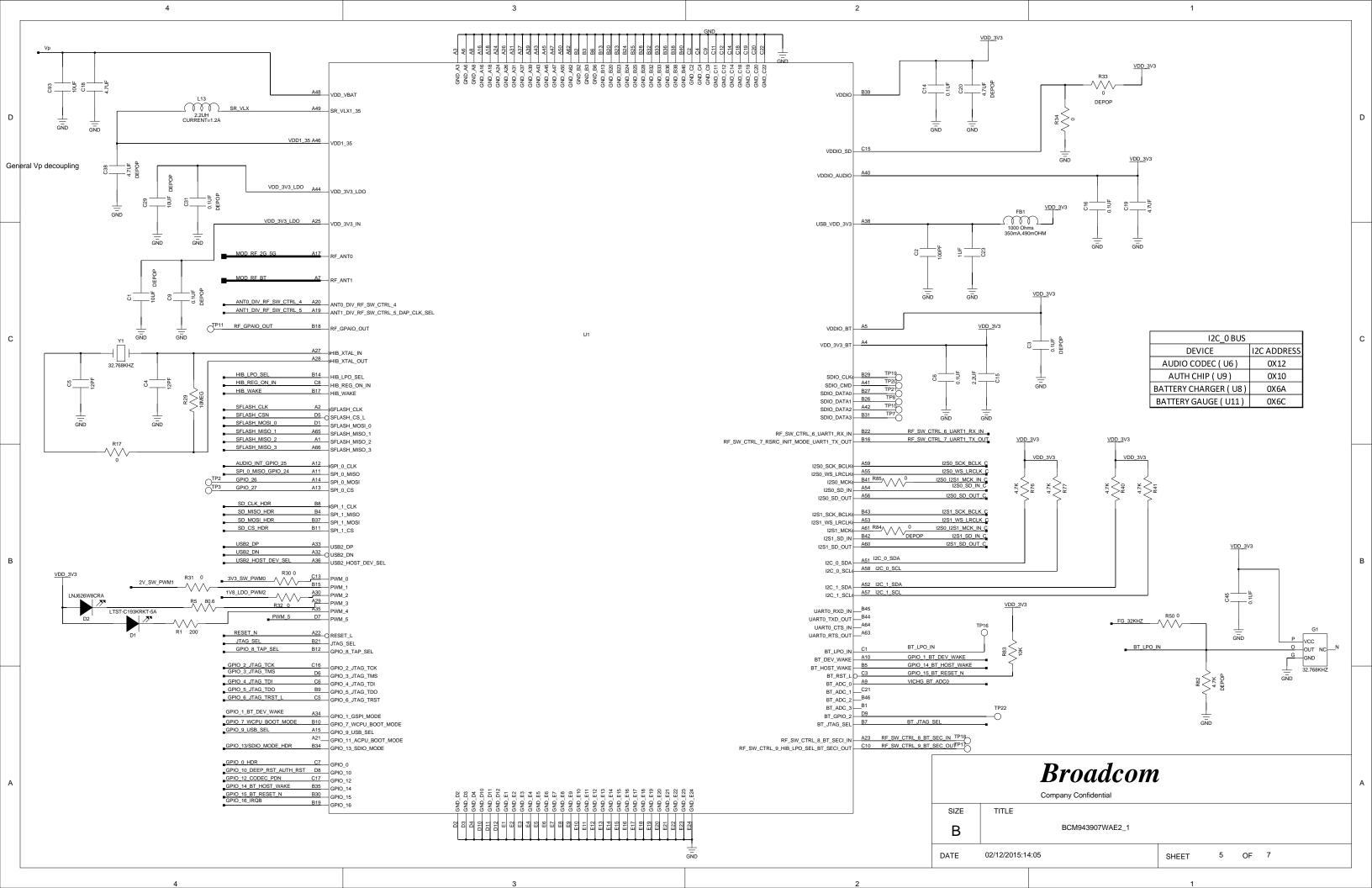
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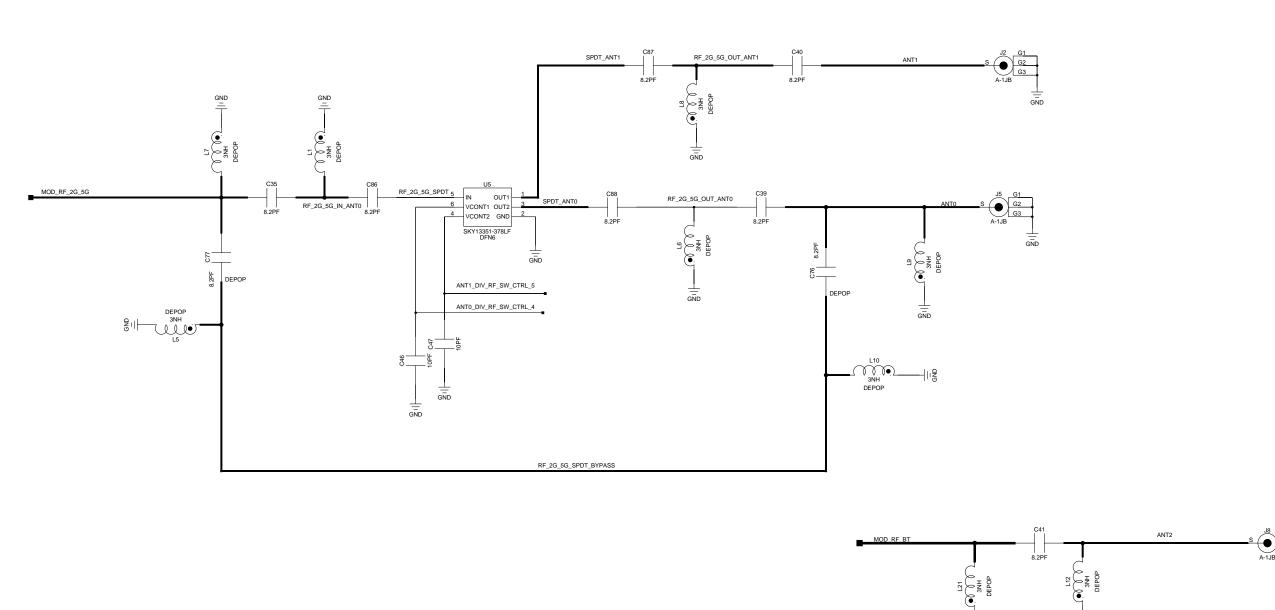
D











U5 2G/5G SPDT Antenna Diversity Switch Control Table						
MODE OF OPERATION Ant Diversity	ANT0_DIV_RF_SW_CTRL_4 SPDT (U5 VCONT1)	ANT1_DIV_RF_SW_CTRL_5 DPDT (U5 VCONT2)				
RF_2G_5G to Ant0	1	0				
RF_2G_5G to Ant1	0	1				

ALL OTHER STATES UNDEFINED

■ MOD RF BT		41	ANT2	S J8 G1 G2
-	- C _I	1-12 3.NH DEPOP		A-1JB G3 GND
-	De y S			

ANTENNA DIVERSITY

Broadcom							
	Company Confidential						
SIZE	TITLE						
В	BCM943907WAE2_1						
DATE	13/11/2015:10:05	SHEET	6	OF	7		

