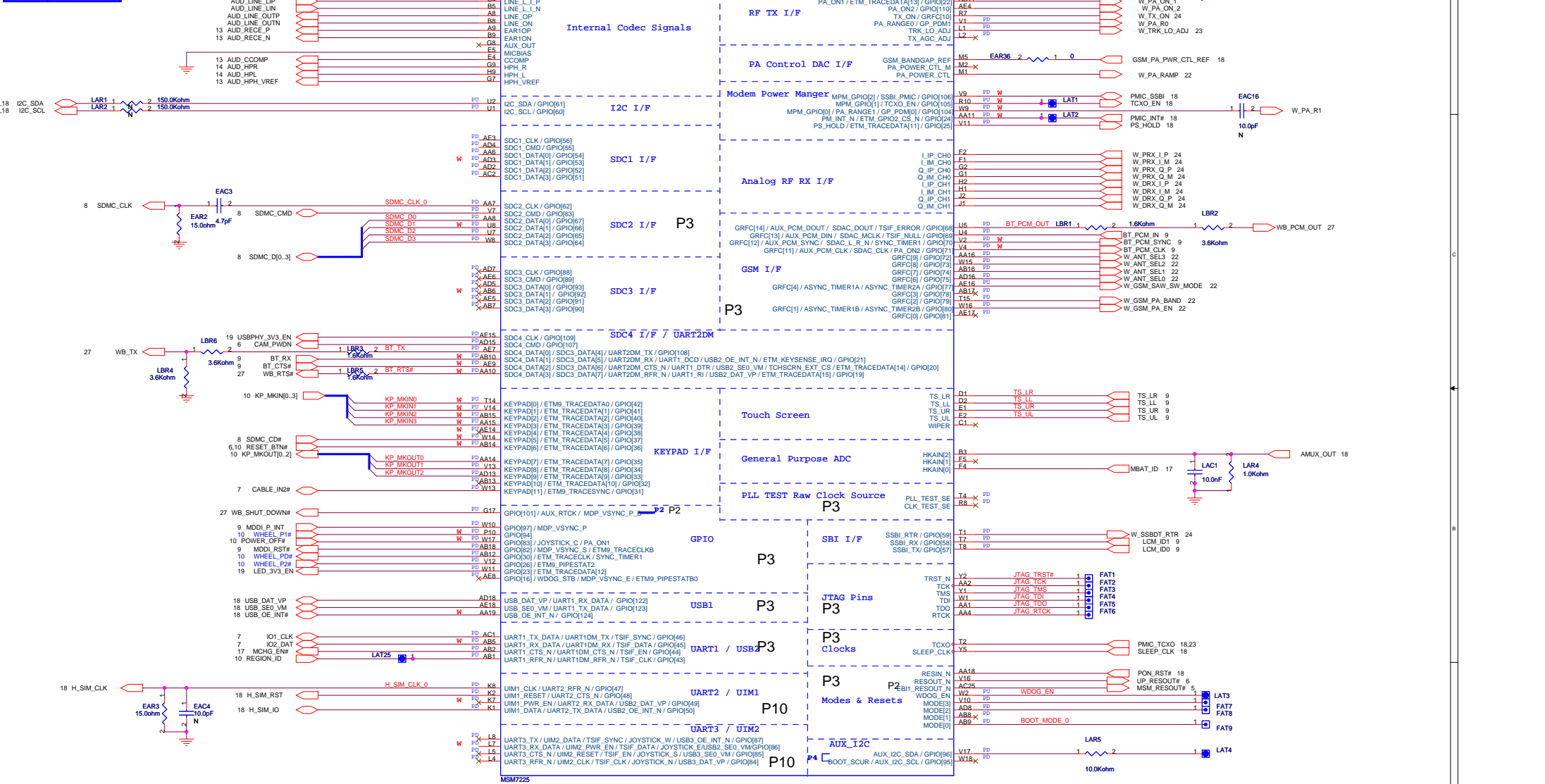


P1	1.8V
P2	1.8V
P3	2.65V
P4	2.65V
P8	2.65V
P9	1.8V
P10	2.65V



1. BOOT MODE CONFIG
MODE[3:0] = 0000
Native_ARM9 on P/Jtag, ARM11 on AJtag
MODE[3:0] = 0001
Native_ARM9 + ARM11 on P/Jtag

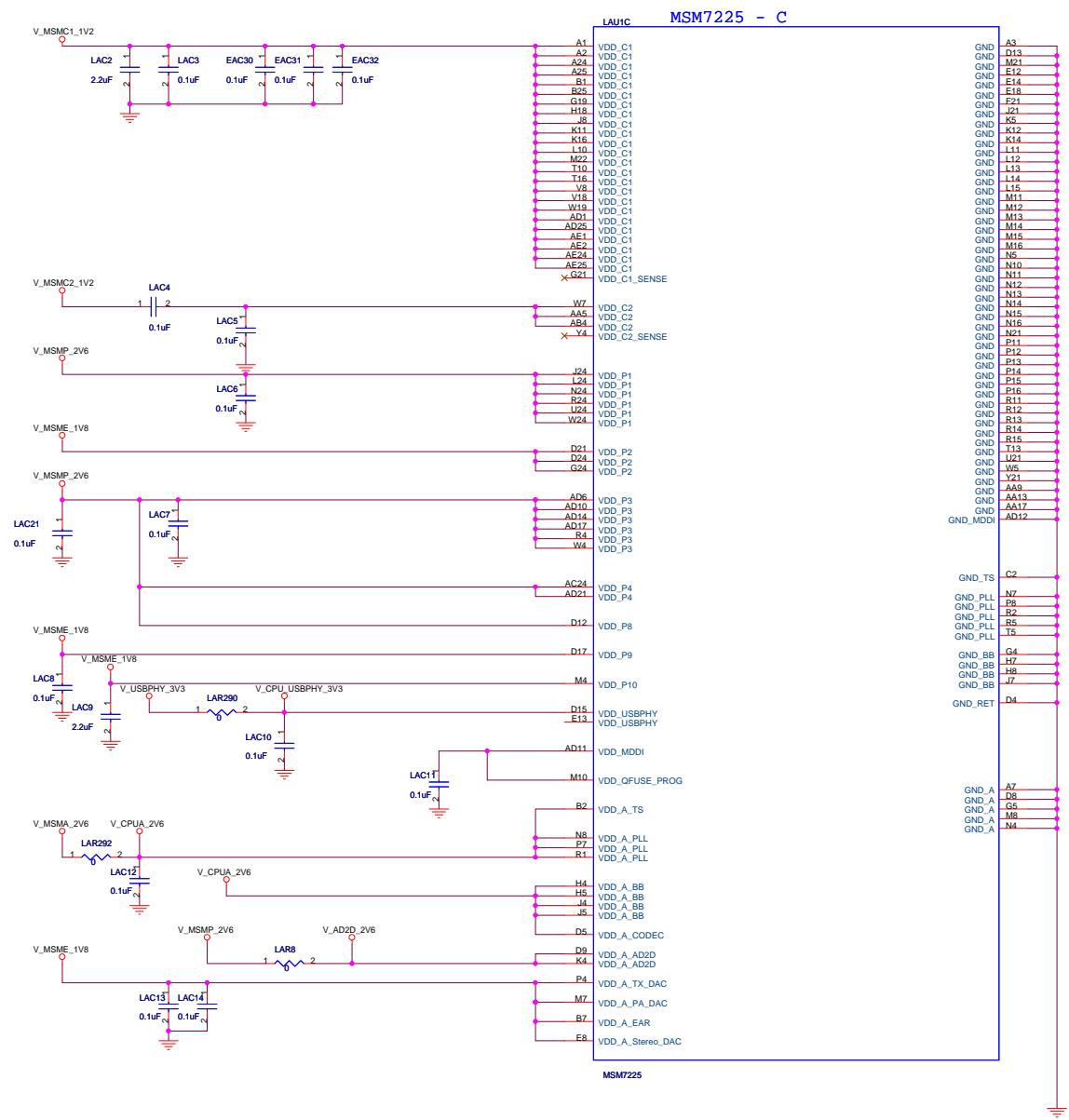
2. BOOT CONFIG
BOOT_SCUR = "0" NON SECURE MODE
BOOT_NOR = "0" BOOT FROM NAND FLASH

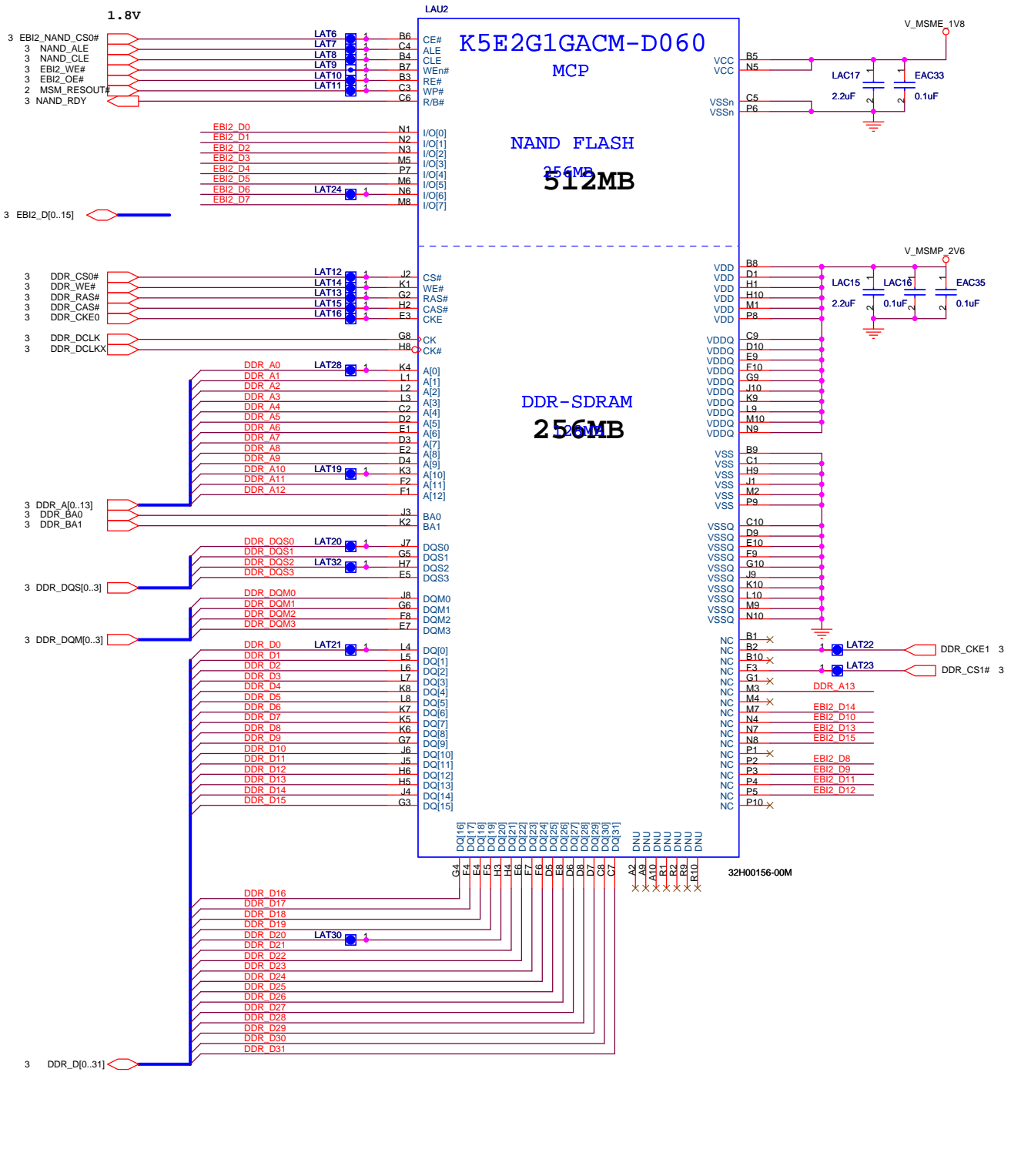
3. WATCHDOG CONFIG
WDG0_EN = "1" WATCHDOG ENABLE ==> NORMAL MODE
WDG0_EN = "0" WATCHDOG DISENABLE ==> JTAG MODE

HTC Corporation

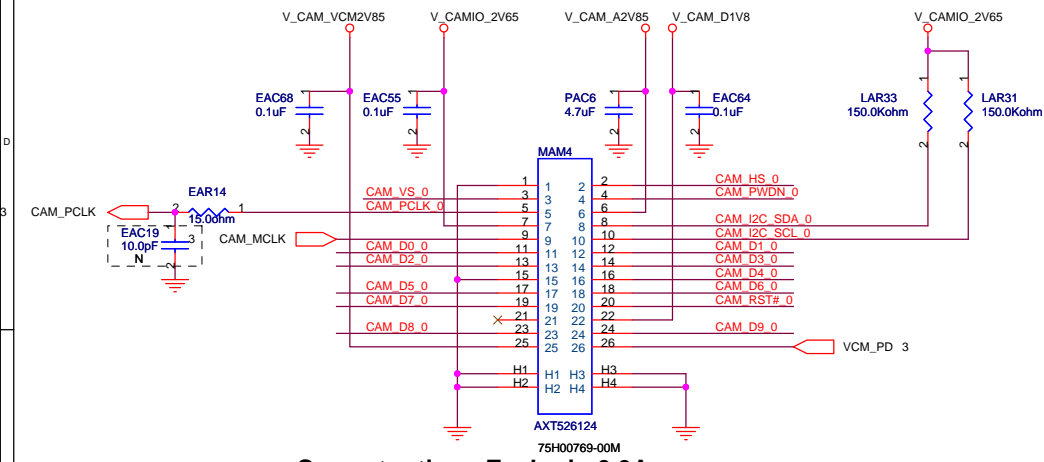
Title: EE_Mobile_Station_Modem_A
Engineer: Jacky Chang

Size: C TOP DOC
Doc Number: CS-CER-51H40484-05M
Rev: 1
Date: Thursday, October 30, 2008
Sheet: 2 of 31

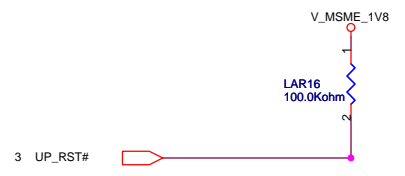
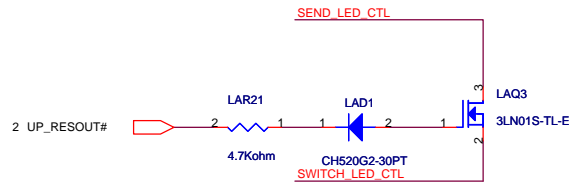
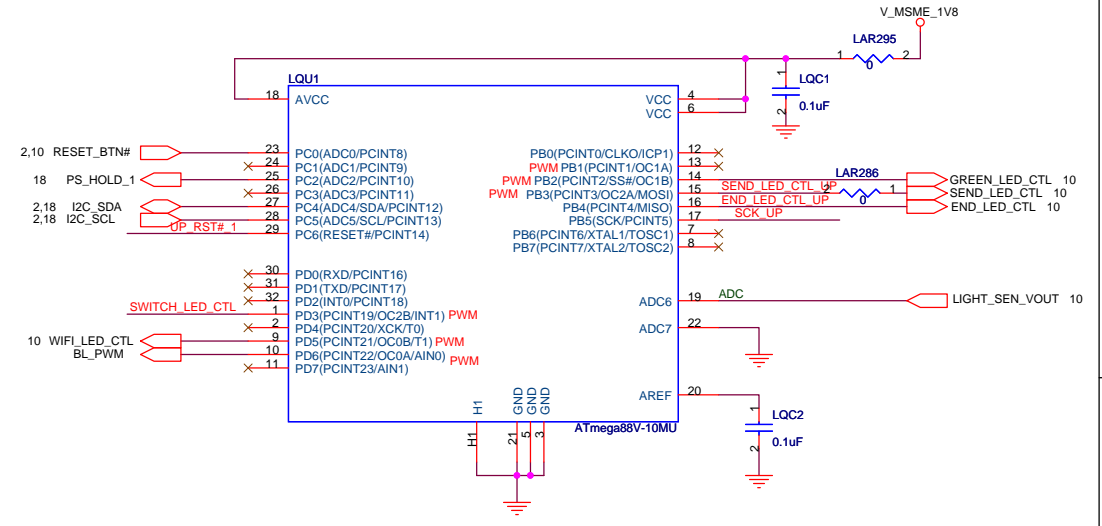
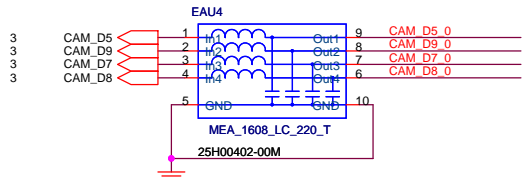
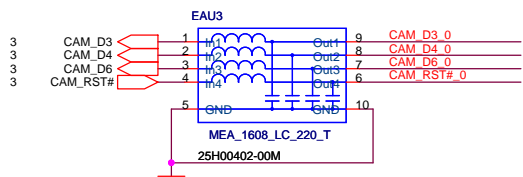
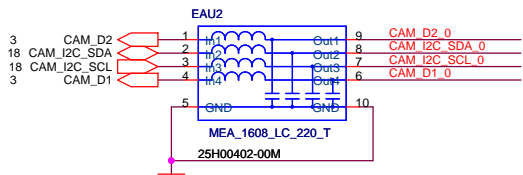
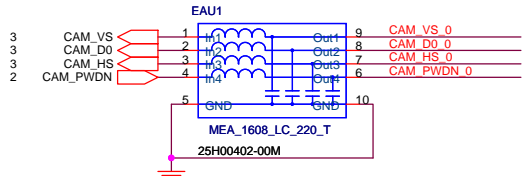




CAMERA CONN.

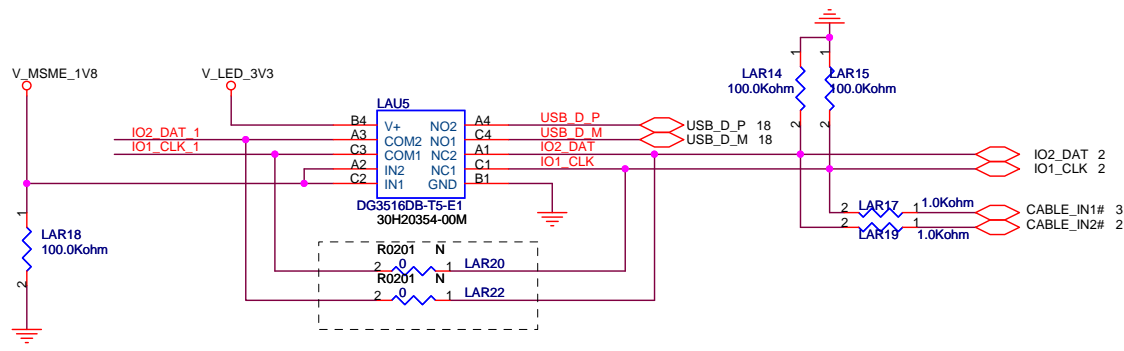
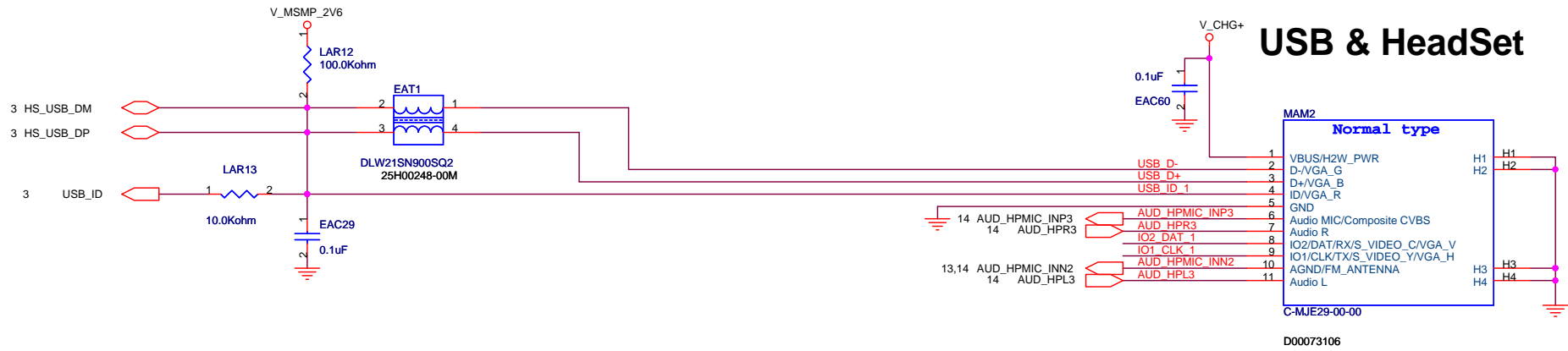


Current rating : Each pin 0.3A

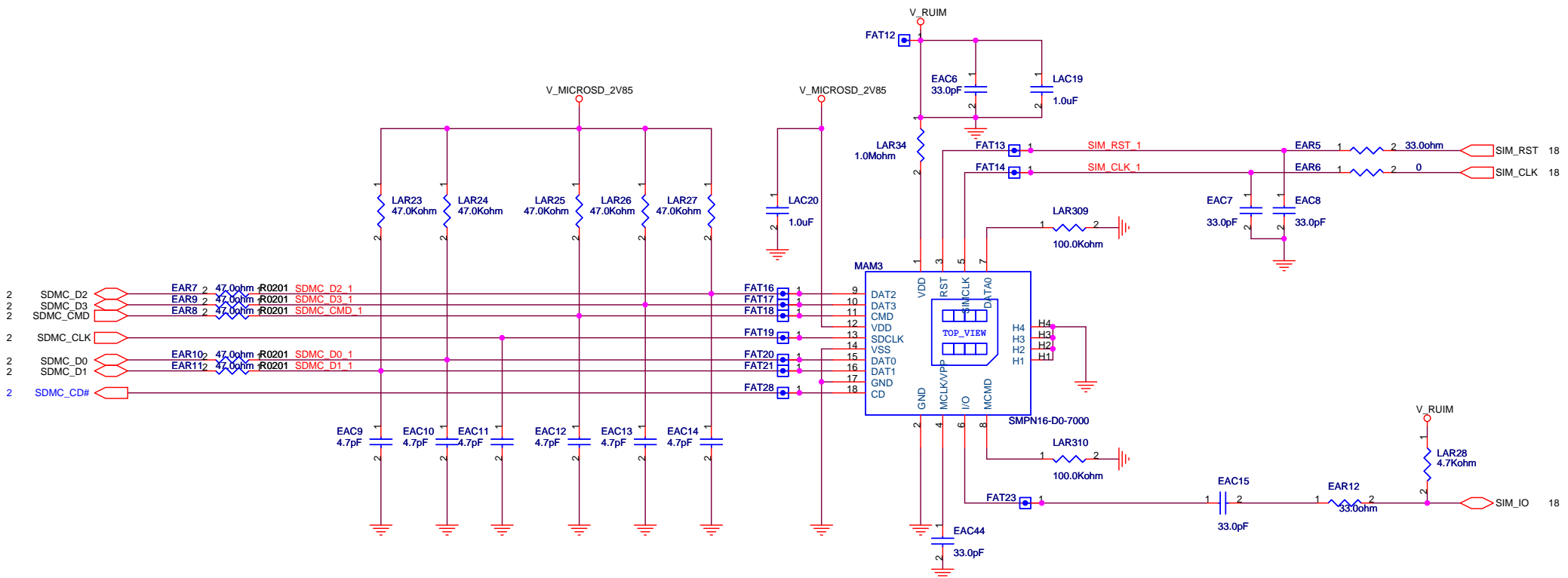


Burn Micro-P code

FQT3: MOSI	FQT3	1	SEND_LED_CTL_UP
FQT4: MISO	FQT4	1	END_LED_CTL_UP
FQT5: SCK	FQT5	1	SCK_UP



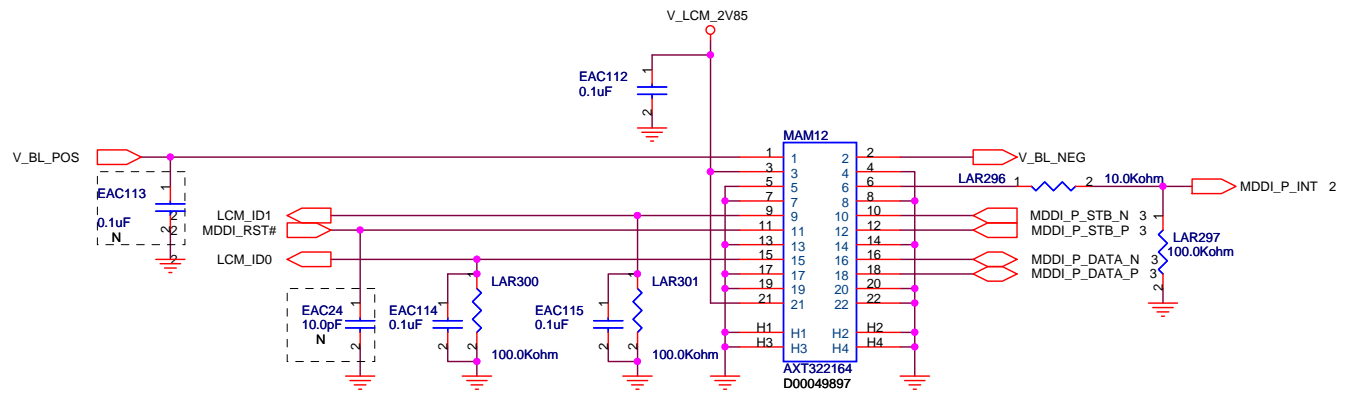
		HTC Corporation	
		Title: USB Connector Engineer: Jacky Chang	
Size: B	TOP DOC. loli110	Document Number: CS-CER-51H40484-03M	Rev: 3 DVT
Date: Thursday, October 30, 2008	Sheet: 7	of: 31	



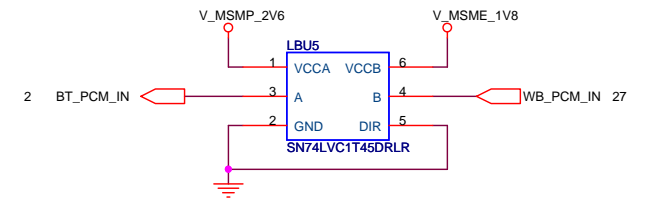
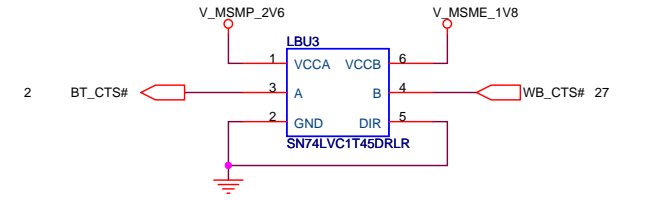
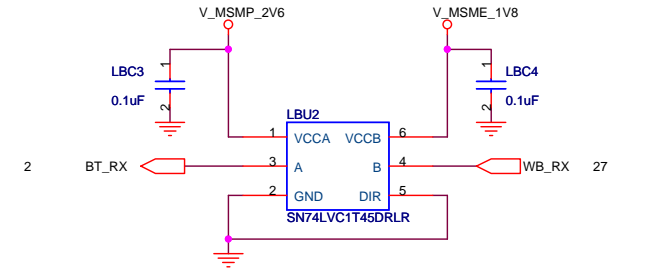
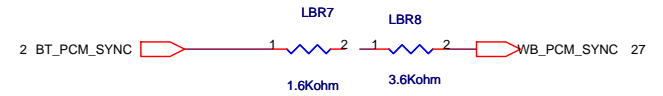
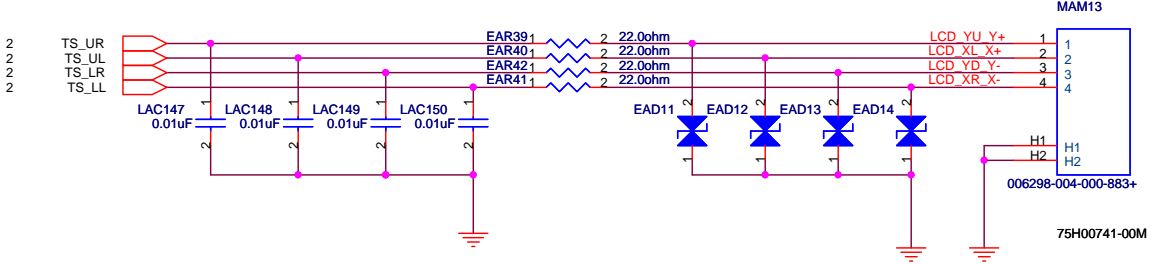
HTC Corporation

Title SIM & MicroSD Connector		Engineer Jacky Chang	
Size B	TOP DOC. loi110	Document Number CS-CER-51H40484-03M	Rev DVT
Date:	Thursday, October 30, 2008	Sheet	8 of 31

LCM CONN.

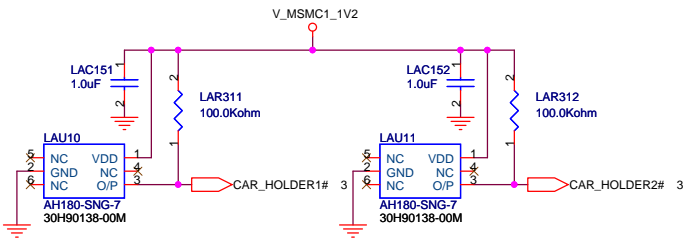
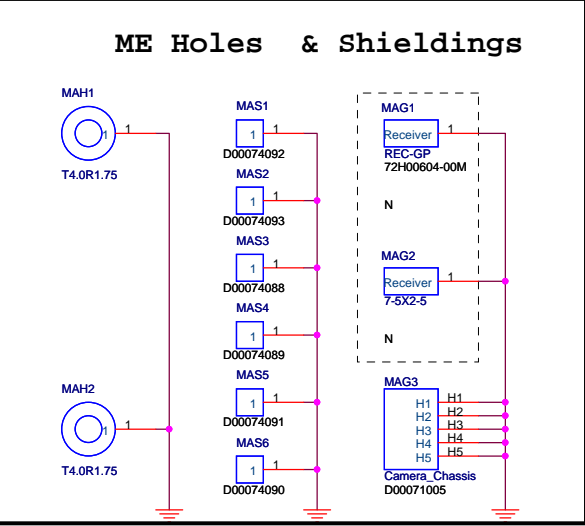
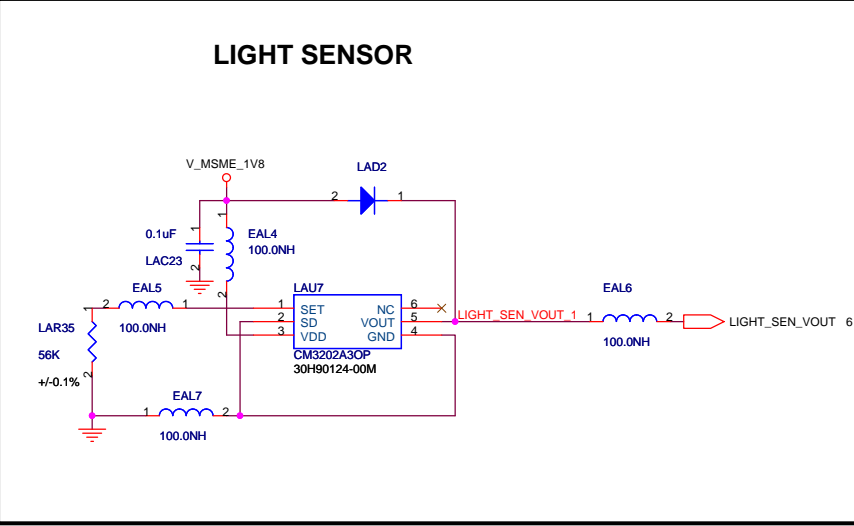
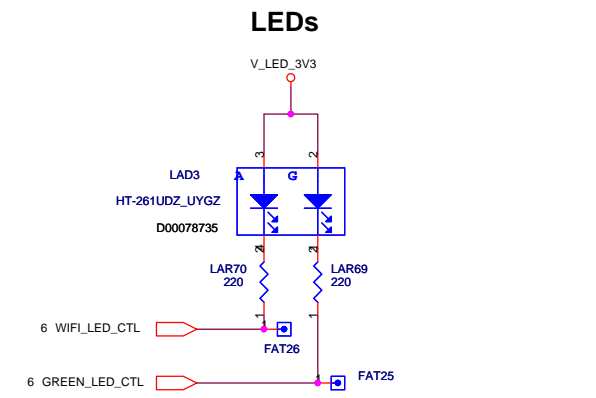
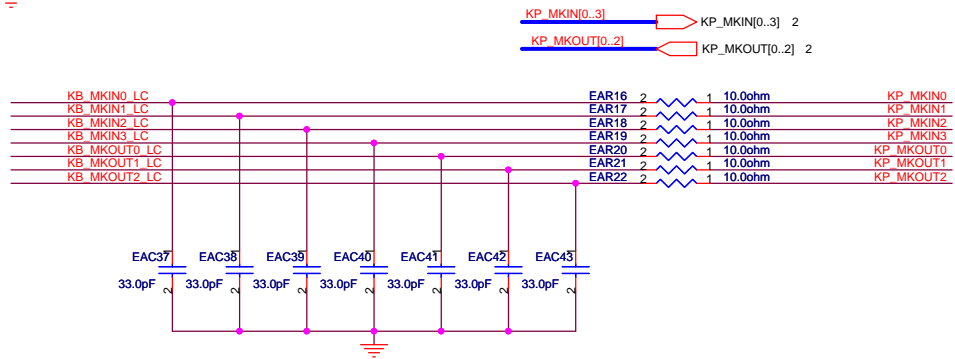
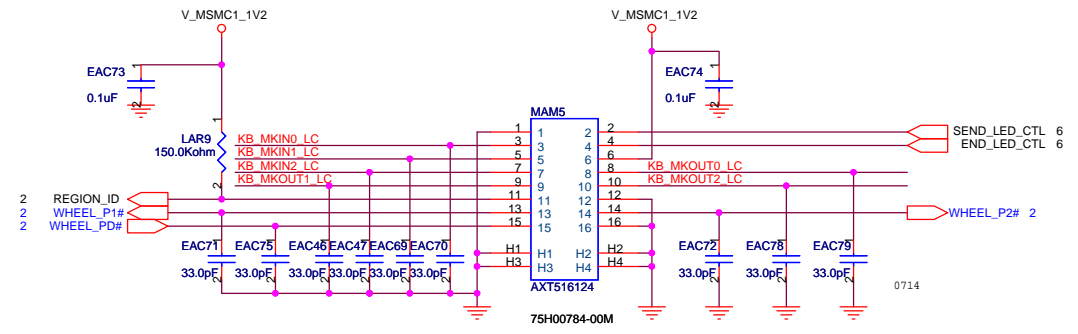
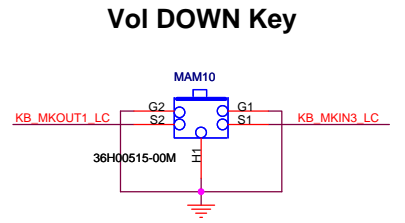
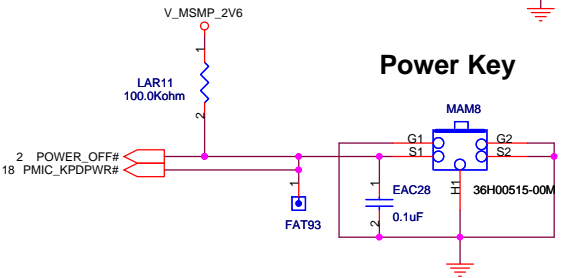
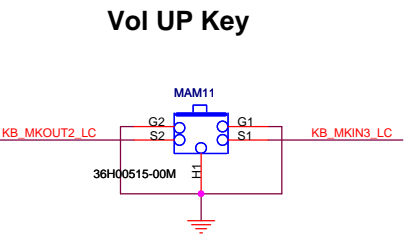
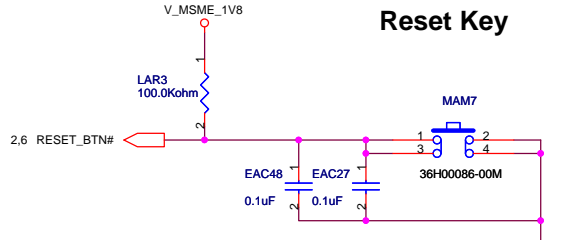


Touch Panel CONN.



		HTC Corporation	
		Title LCM & TP CONN.	Engineer Jacky Chang
Size B	TOP DOC. loli110	Document Number CS-CER-51H40484-05M	Rev DVT
Date: Thursday, October 30, 2008	Sheet 9	of 31	1

Upper BD CONN.



5

4

3

2

1

D

D

C

C

B

B

A

A



HTC Corporation

Title History		Engineer Jacky Chang	
Size B	TOP DOC. loi110	Document Number CS-CER-51H40484-03M	Rev DVT
Date:	Thursday, October 30, 2008	Sheet	11 of 31

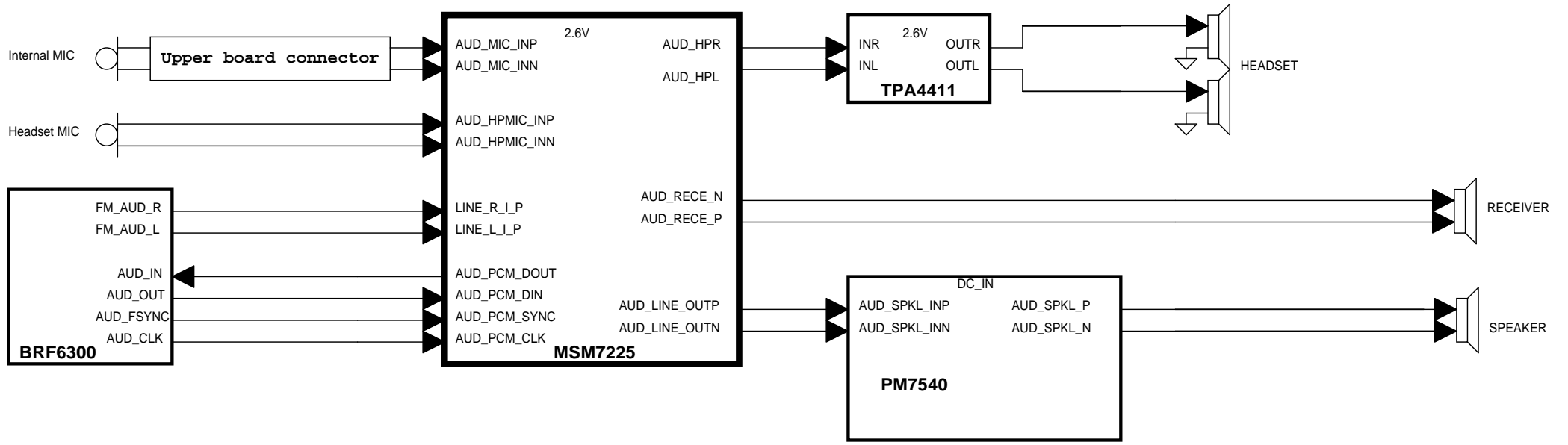
5

4


3

2

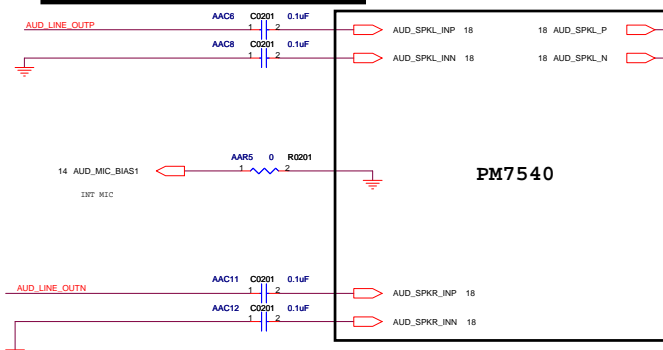
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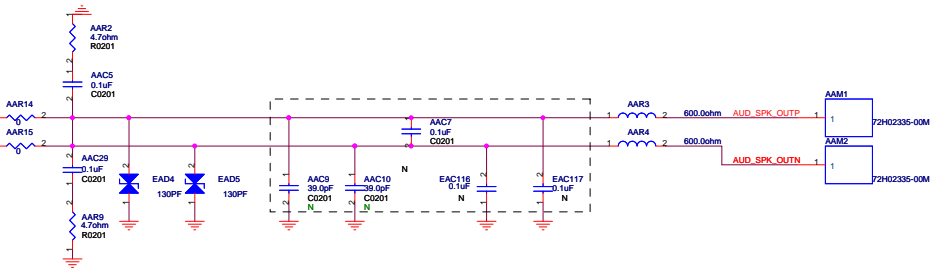
loli110

		HTC Corporation		
		Title AUDIO BLOCK DIAGRAM		Engineer Avery_Ho
Size B	TOP DOC. loli110	Document Number CS-CER-51H40484-03M	Rev M	DVT
Date:	Thursday, October 30, 2008		Sheet	12 of 31

Programmable HPF
Fc=730Hz



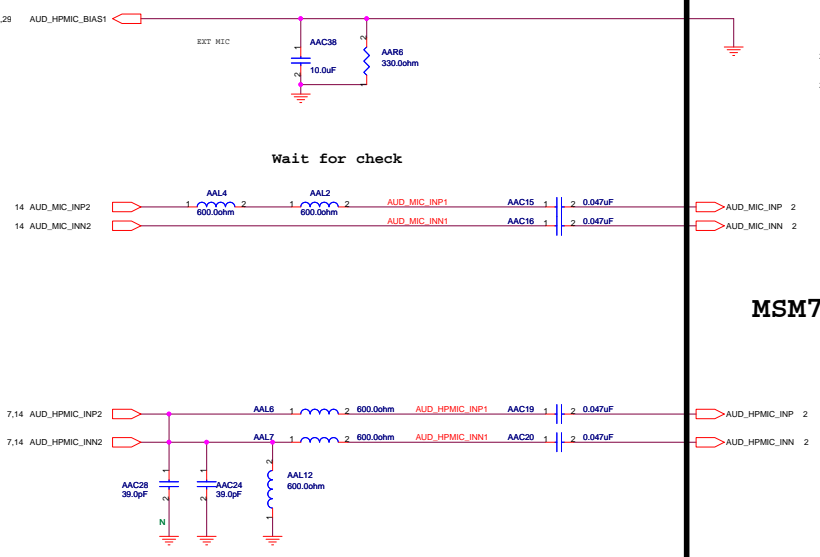
PM7540



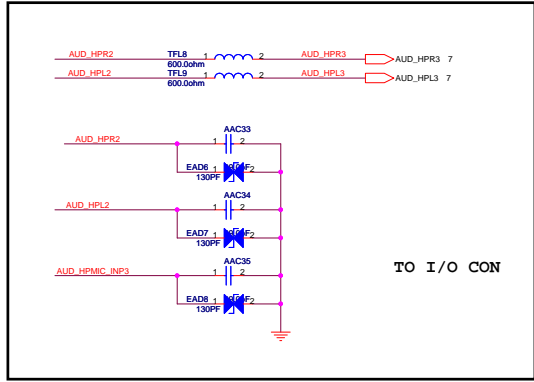
Receiver Connector

Wait for check

MSM7225

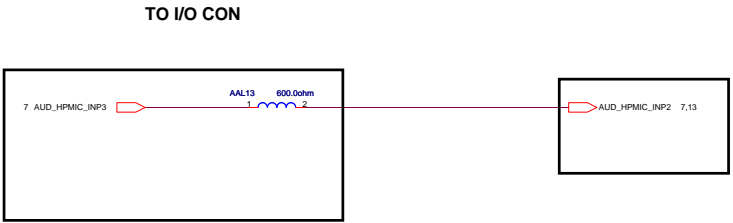


$R_{in} = 26\text{Kohm} < 30\text{Kohm} < 35\text{Kohm}$
 $F_c = 1 / (6.28 * R_{in} * 1.0\text{uf})$
 $= 4.55\text{Hz} < 5.3\text{Hz} < 6.12\text{Hz}$



For RC Filter of BIAS
 $F_c = 1 / (2 * \pi * 680 * 2.2\text{uf})$
 $= 106.3\text{Hz}$

For Microphone Differential input
 $F_c = 1 / (2 * \pi * 36\text{K} * 33\text{nf} / 2)$
 $= 267.67\text{Hz}$



5

4

3

2

1

D

D

C

C


B

B

A

A

loli110

		HTC Corporation			
		Title Audio History		Engineer Kenny_Wang	
Size A4	TOP DOC. loli110		Document Number CS-CER-51H40484-05M	Rev M	DVT
Date: Thursday, October 30, 2008			Sheet 15	of 31	

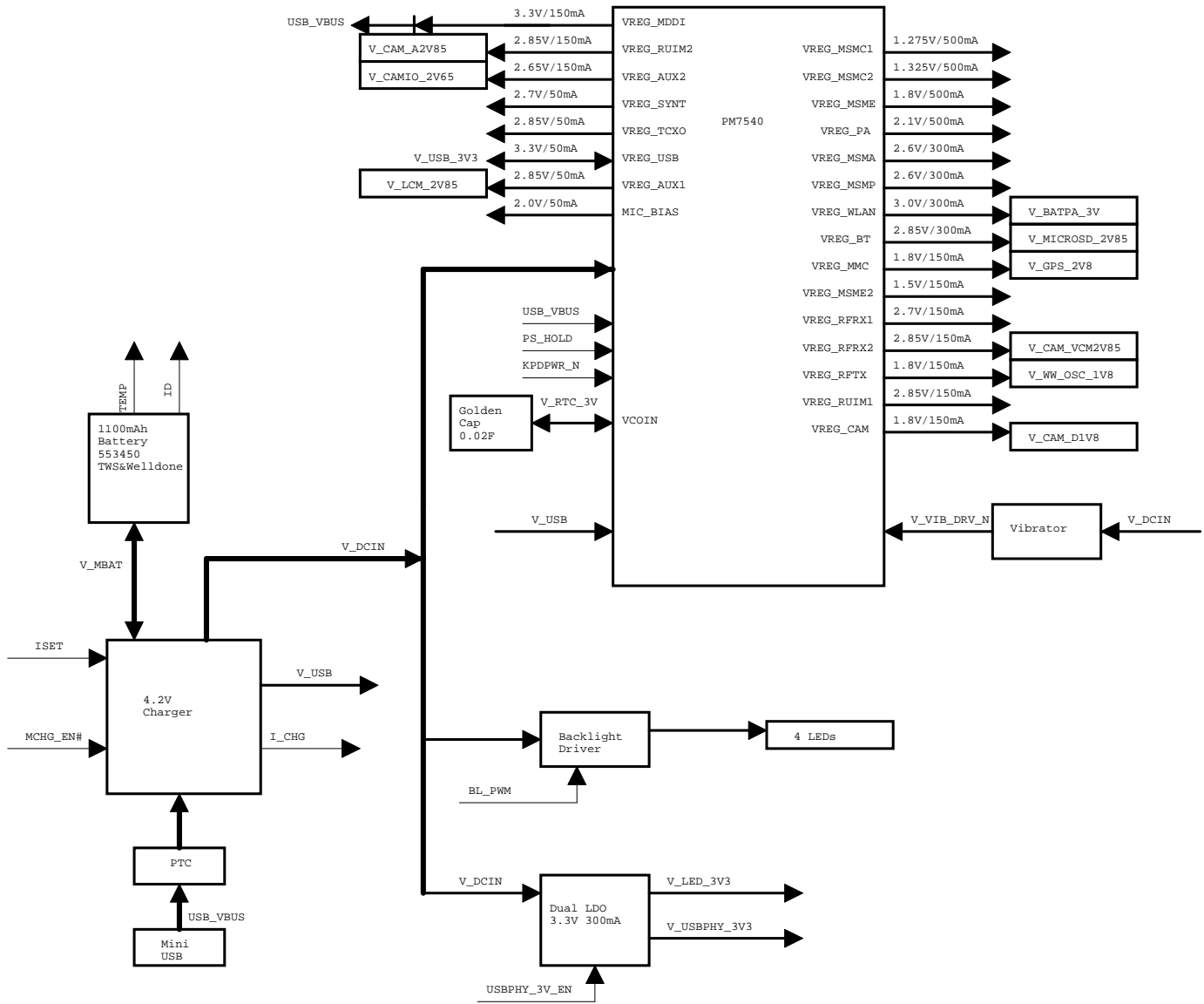
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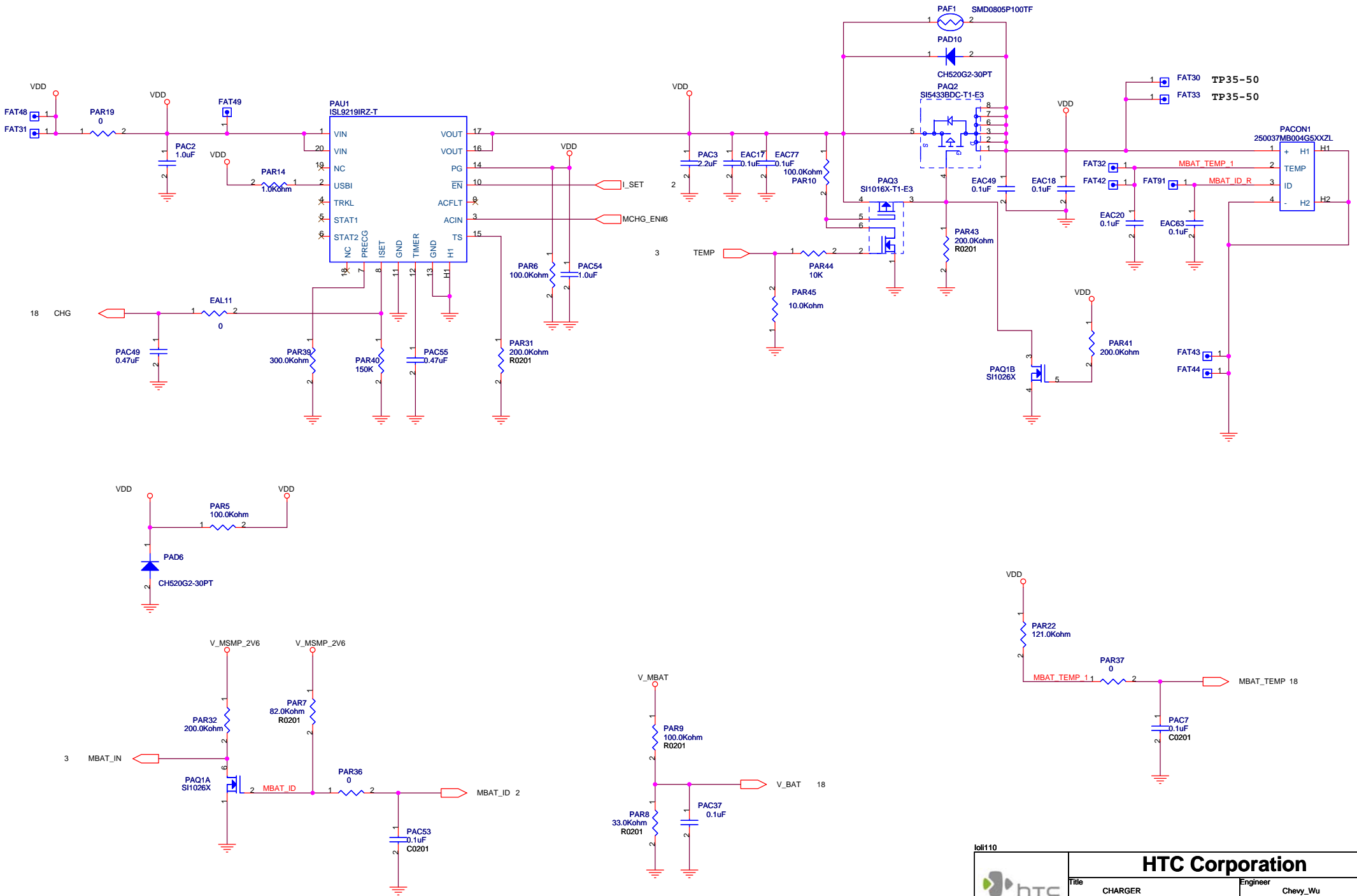
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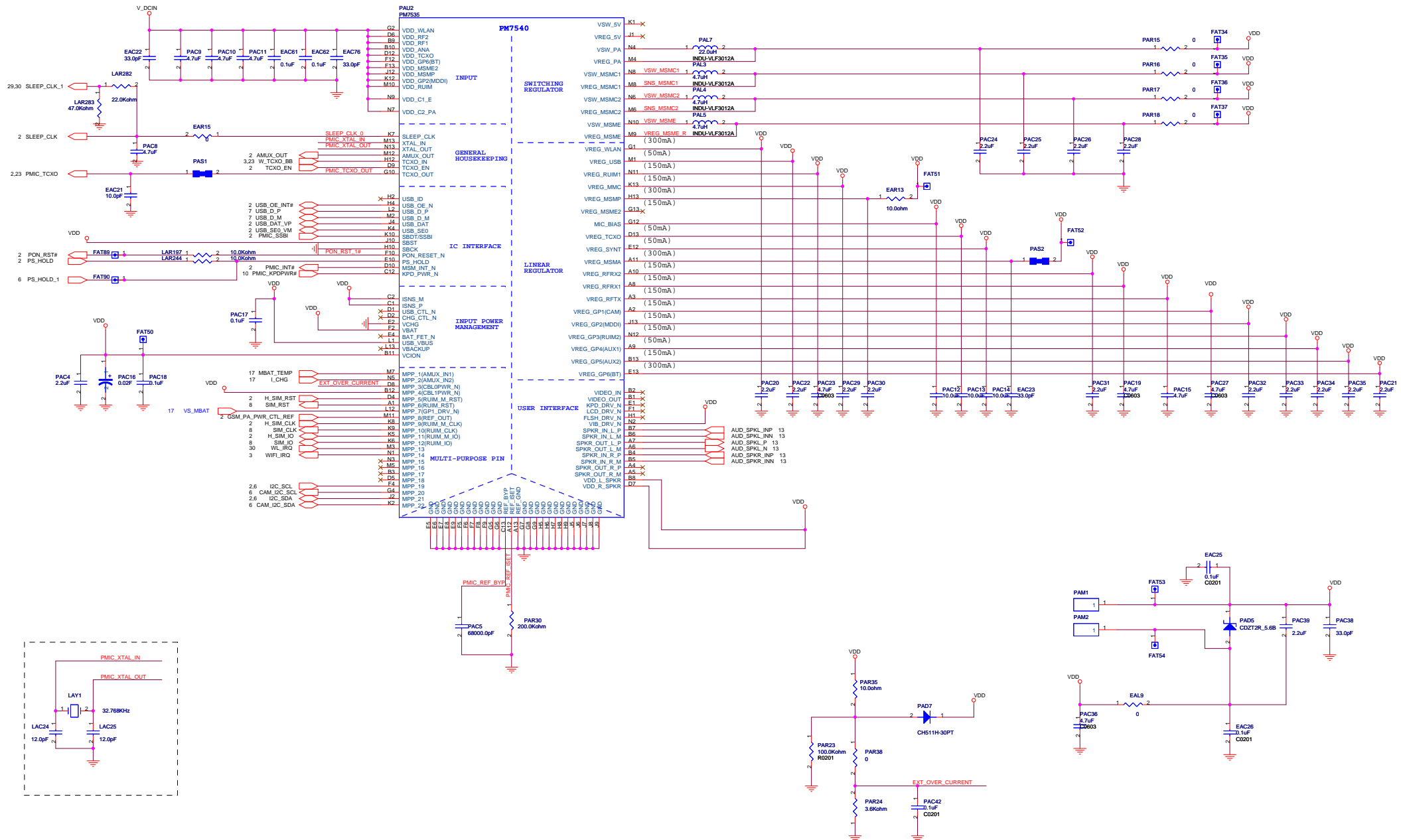
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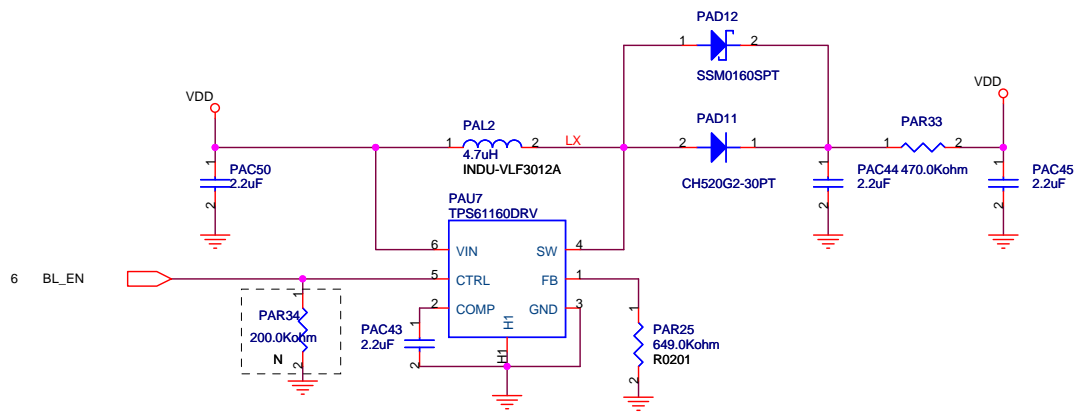
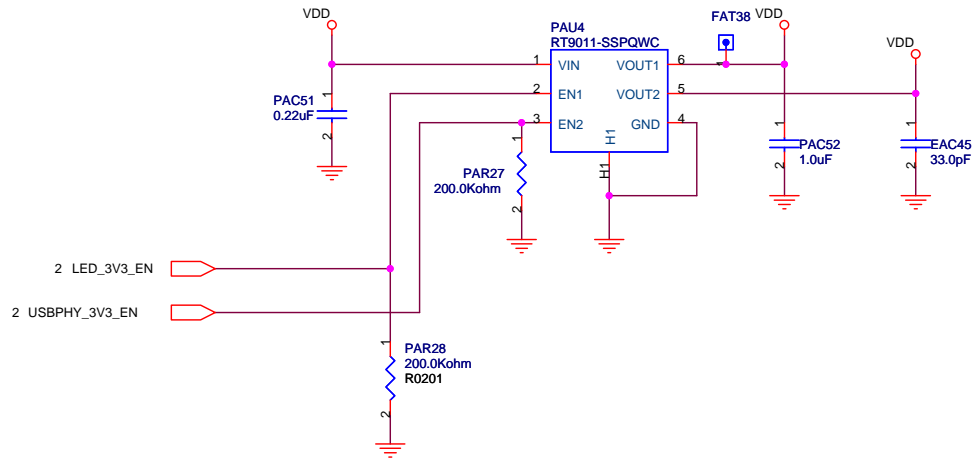
2

1




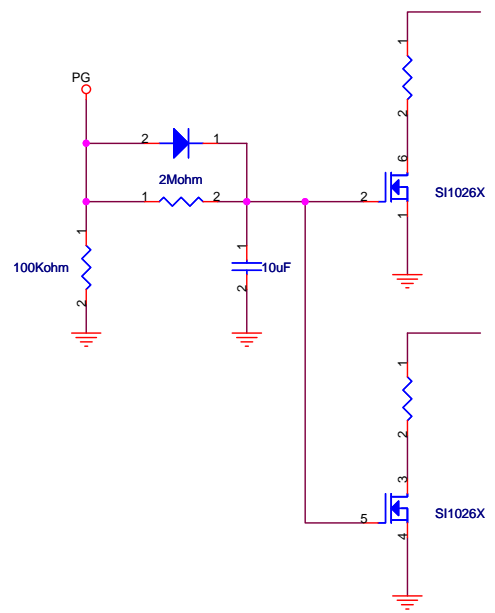







loli110

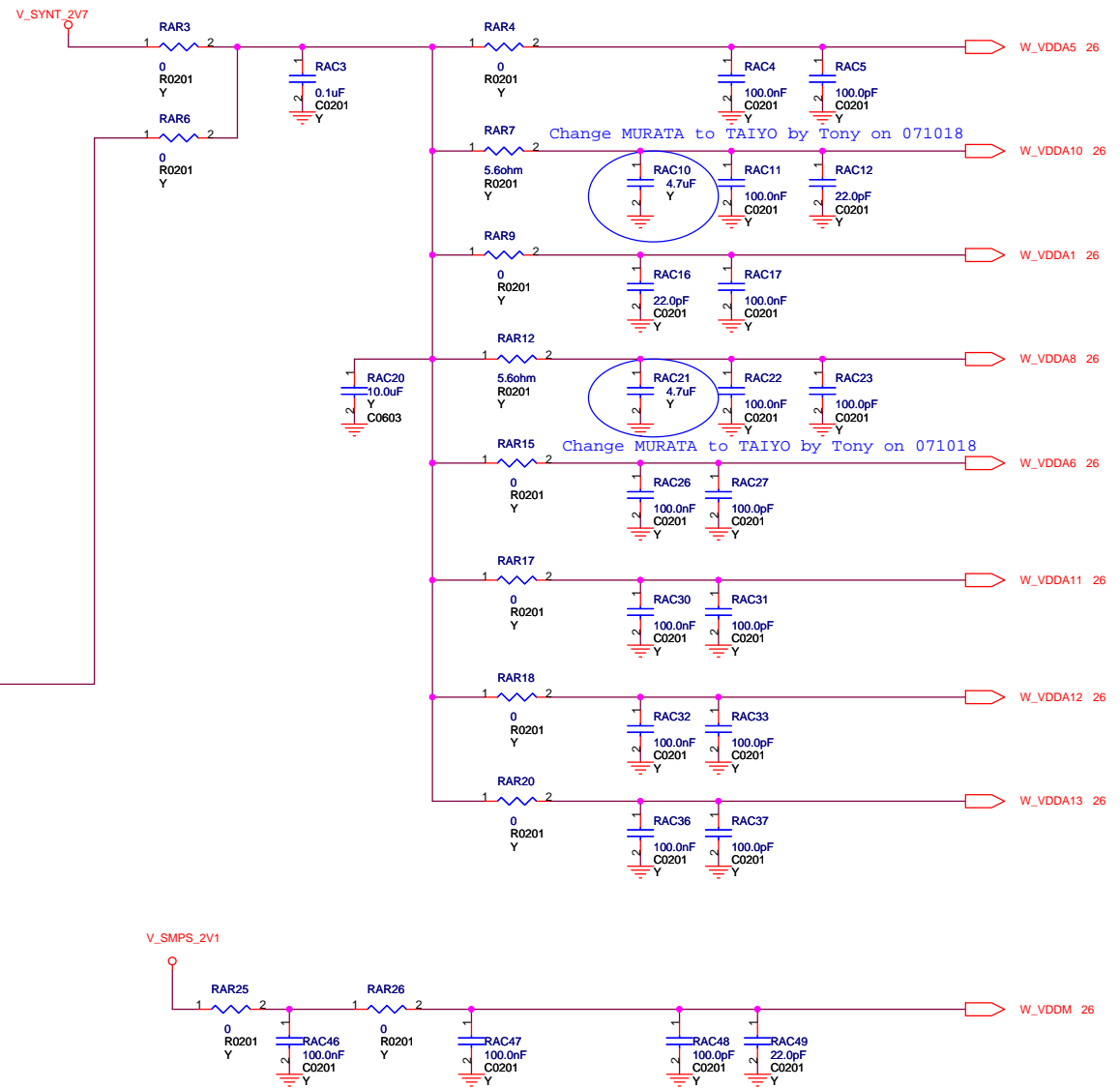
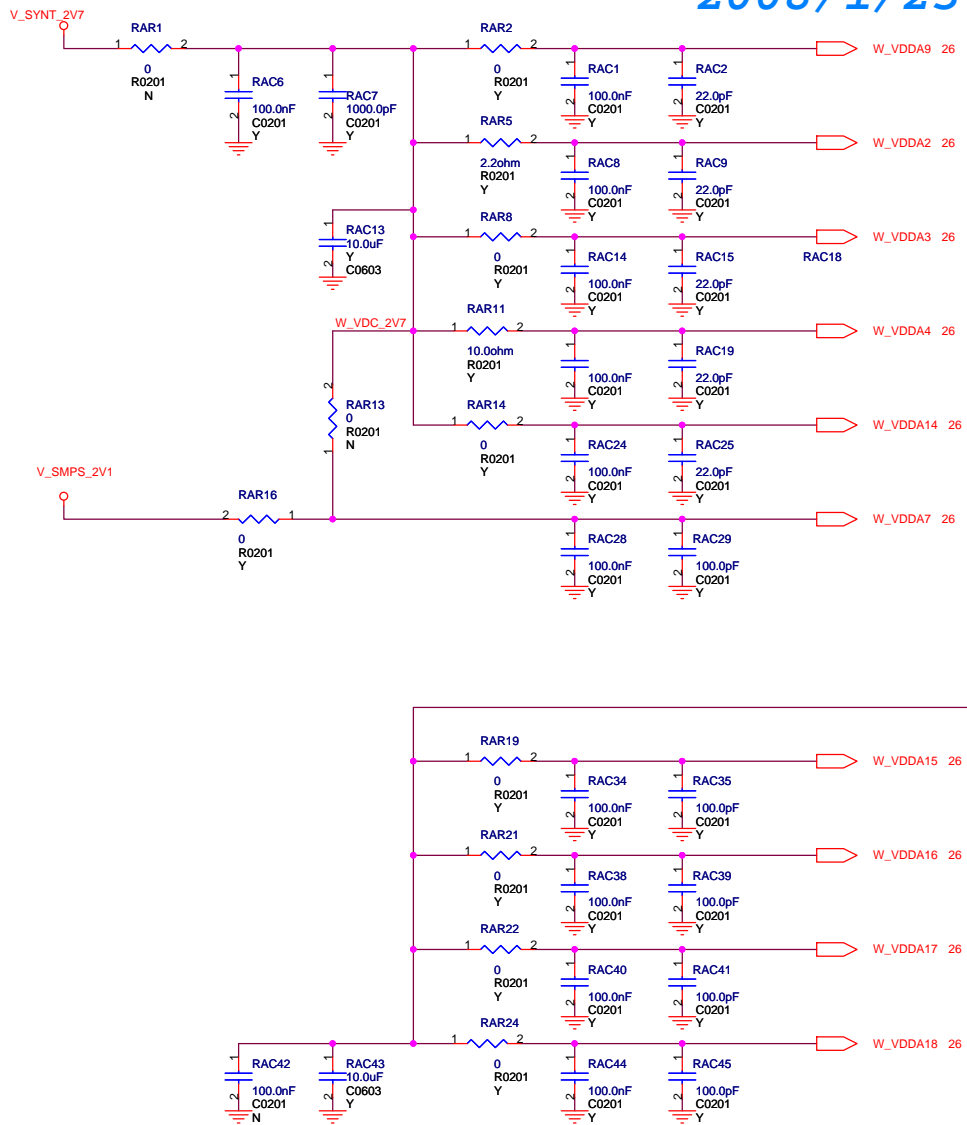
		HTC Corporation	
		Title Main Power 2	Engineer Chevy_Wu
Size B	TOP DOC. loli110	Document Number CS-CER-51H40484-05M	Rev DVT
Date: Thursday, October 30, 2008	Sheet 19	of 31	




loli110

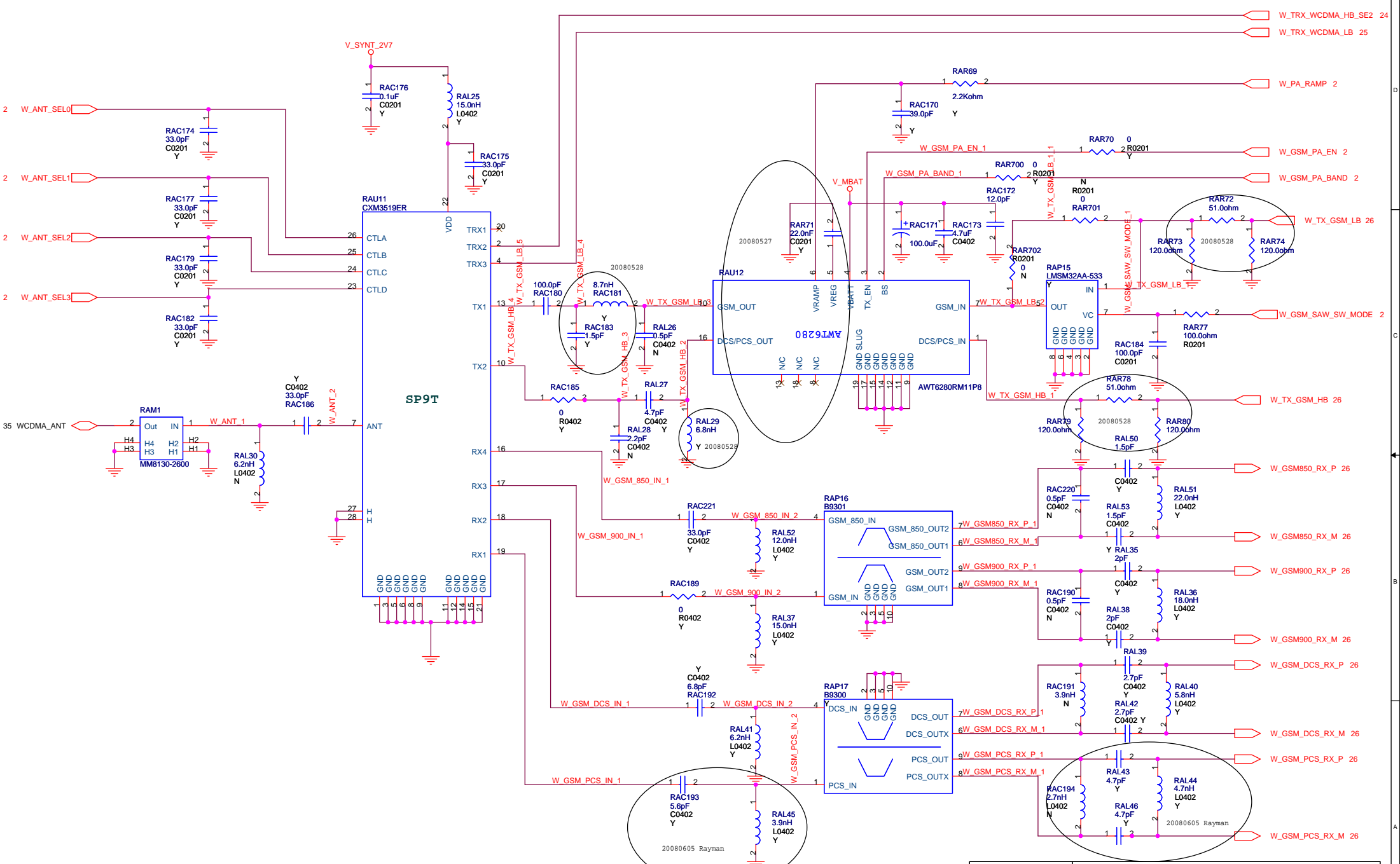
		HTC Corporation	
		Title Power History	Engineer Chevy_Wu
Size B	TOP DOC. loli110	Document Number CS-CER-51H40484-05M	Rev DVT
Date: Thursday, October 30, 2008	Sheet 20 of 31		

2008/1/23

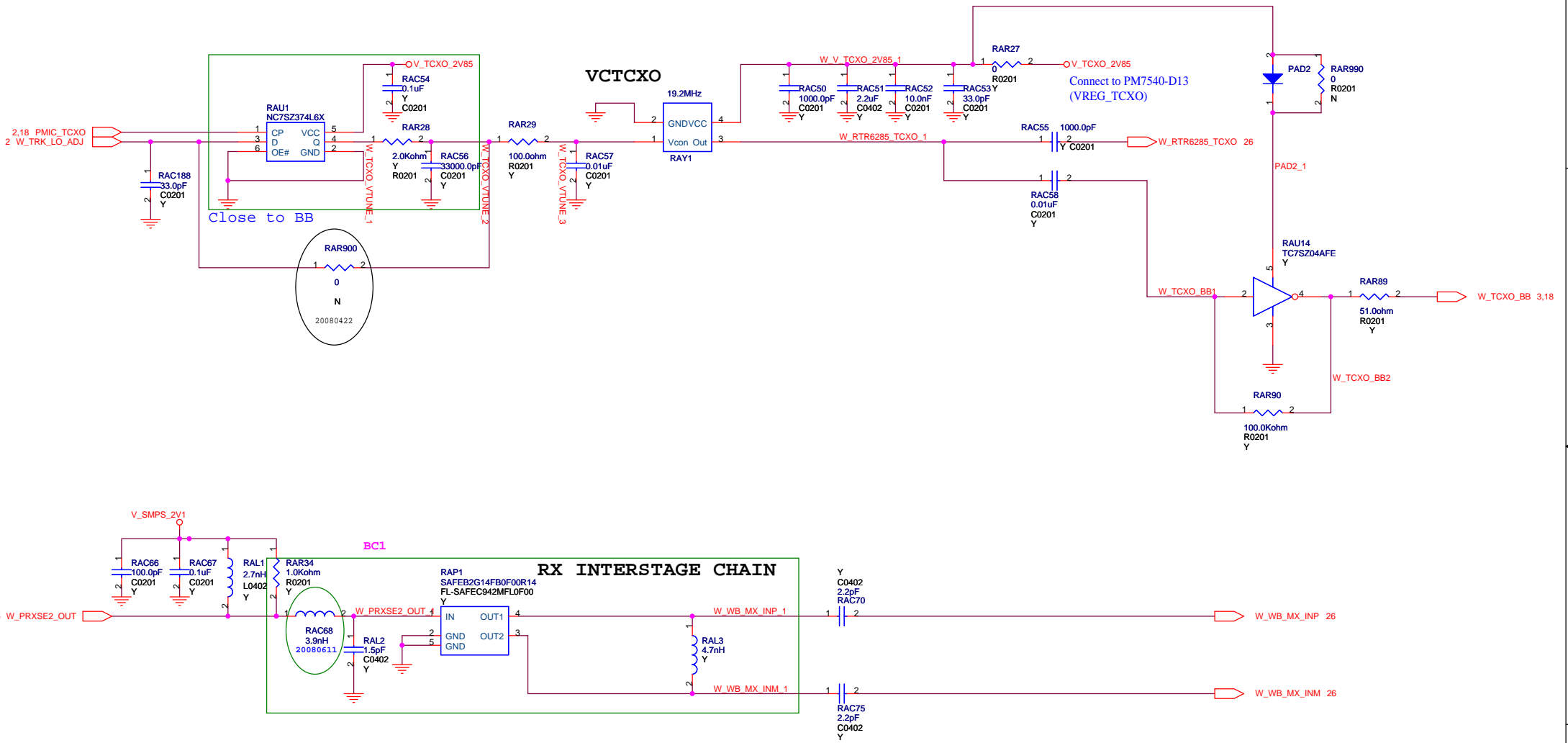


		HTC Corporation	
		Title RF Power Grid	
		Engineer Tony_Lai	
Size A3	TOP DOC. l01110	Document Number CS-CER-61H40484-05M	Rev DVT
Date: Thursday, October 30, 2008		Sheet 21 of 31	

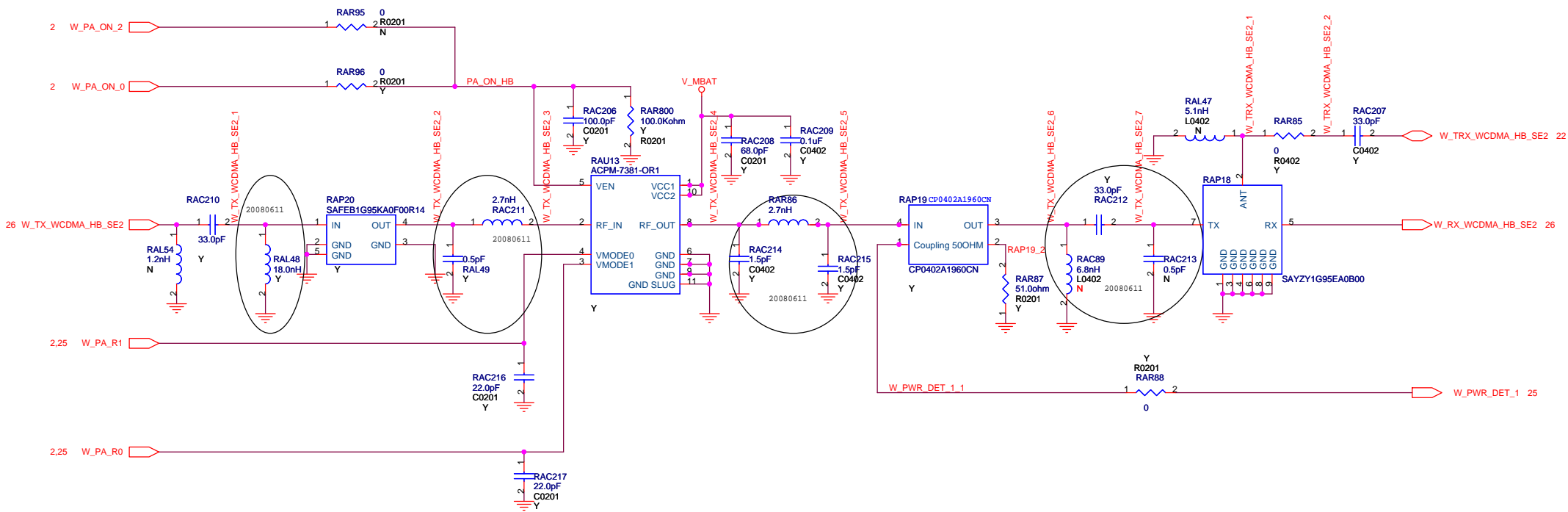
GSM Quad-band PA and PRIMARY ANTENNA & SWITCHPLEXER



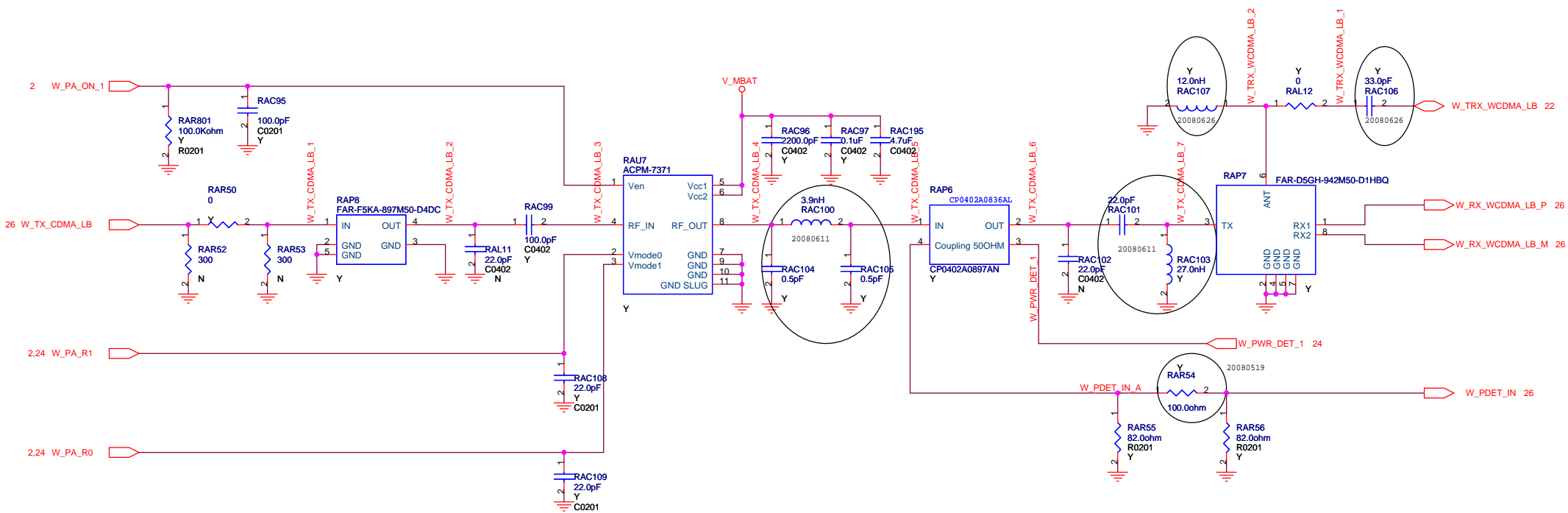
		HTC Corporation	
		Rayman_Kwok	
Title	RF GSM PA SW	Document Number	CS-CER-51H40484-05M
Size	A3	Rev	DVT
Date:	Thursday, October 30, 2008	Sheet	22 of 31




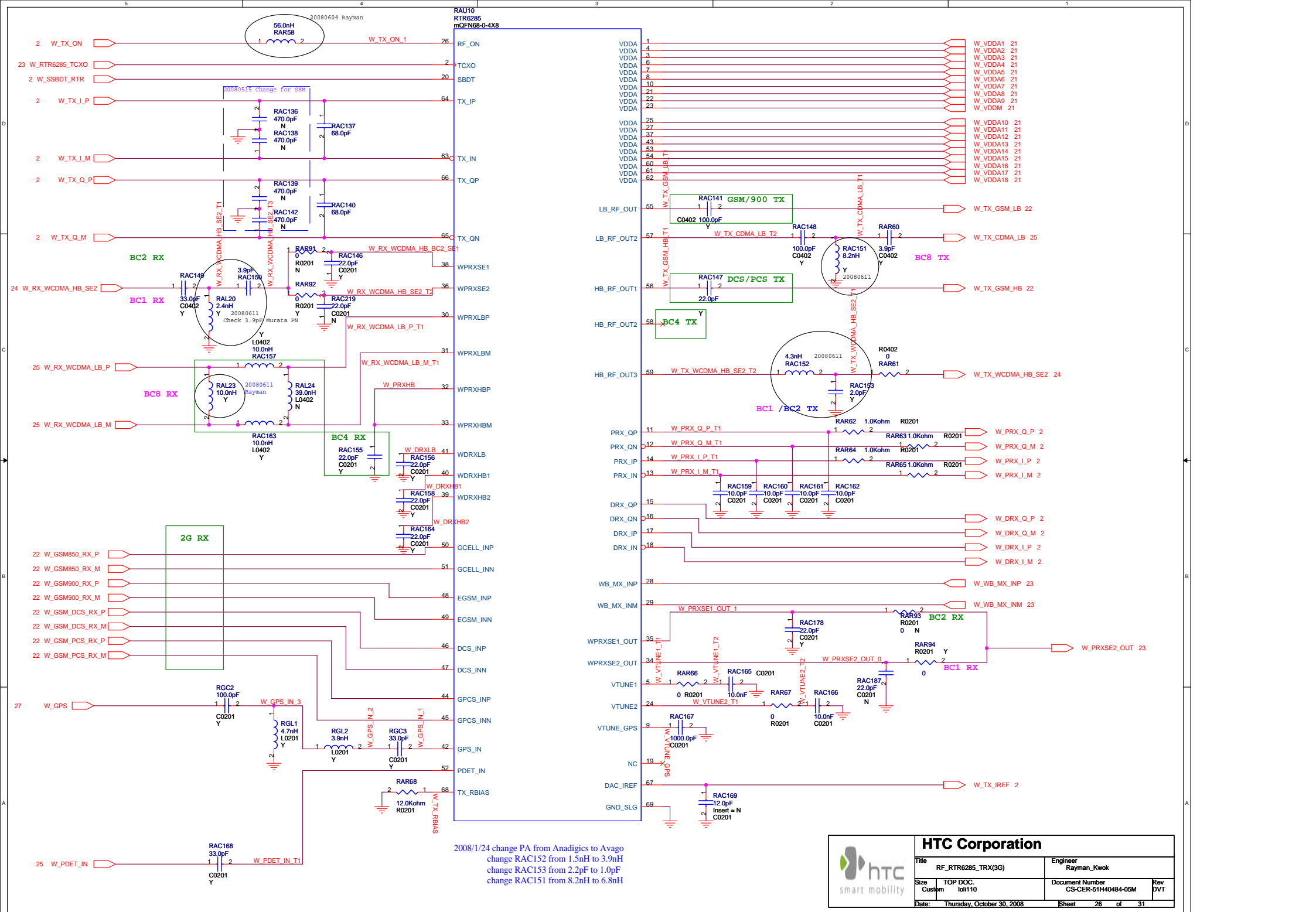
WCDMA PA/TX CHAIN for HB SE2 (BC1_Avago)



WCDMA 900 (BC8_Avago) - PA/TX CHAIN

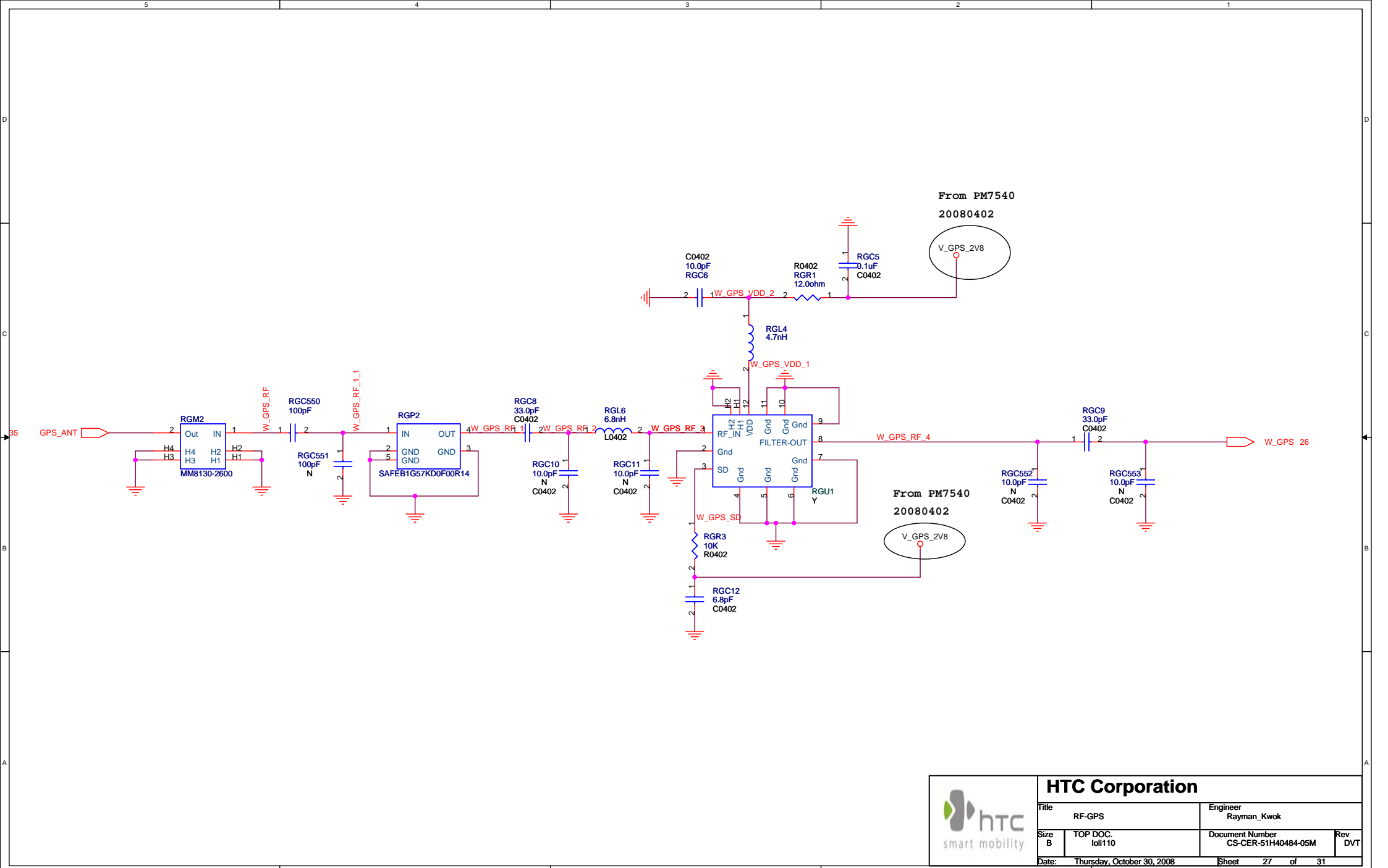


		HTC Corporation	
		Title: UMTS_TX_BC8(3G) Engineer: Rayman_Kwok	
Size: A3	TOP DOC: l0110	Document Number: CS-CER-61H40484-05M	Rev: DVT
Date: Thursday, October 30, 2008		Sheet: 25 of 31	



2008/1/24 change PA from Anadigics to Avago
 change RAC152 from 1.5nH to 3.9nH
 change RAC153 from 2.2pF to 1.0pF
 change RAC151 from 8.2nH to 6.8nH

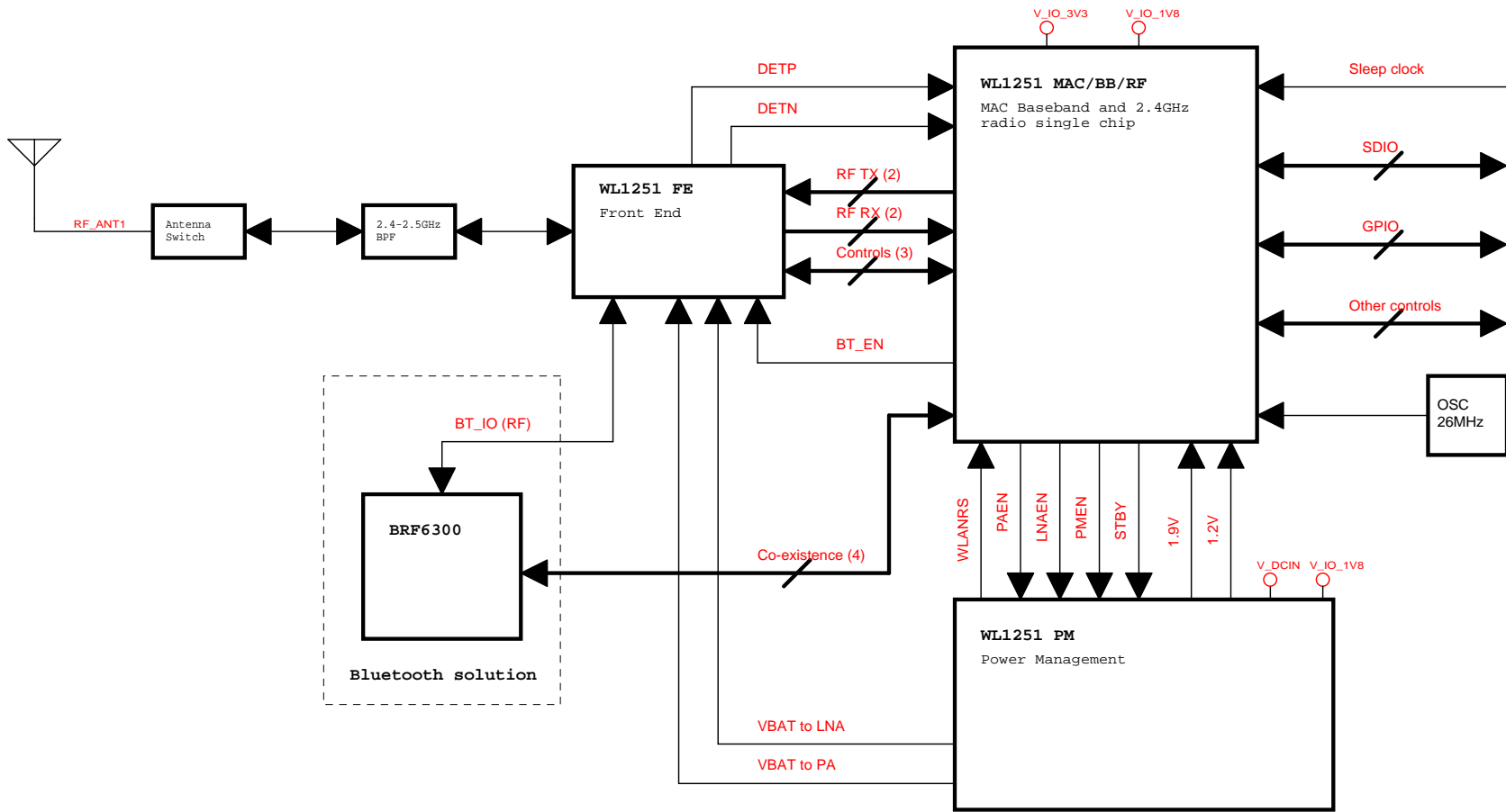
HTC Corporation			
Title RF_RTR6285_TRX(3G)		Engineer Rayman_Kwok	
Size Custom	TOP DOC. lot110	Document Number CS-CER-51H40484-05M	Rev DVT
Date: Thursday, October 30, 2008	Sheet 26		of 31



HTC Corporation

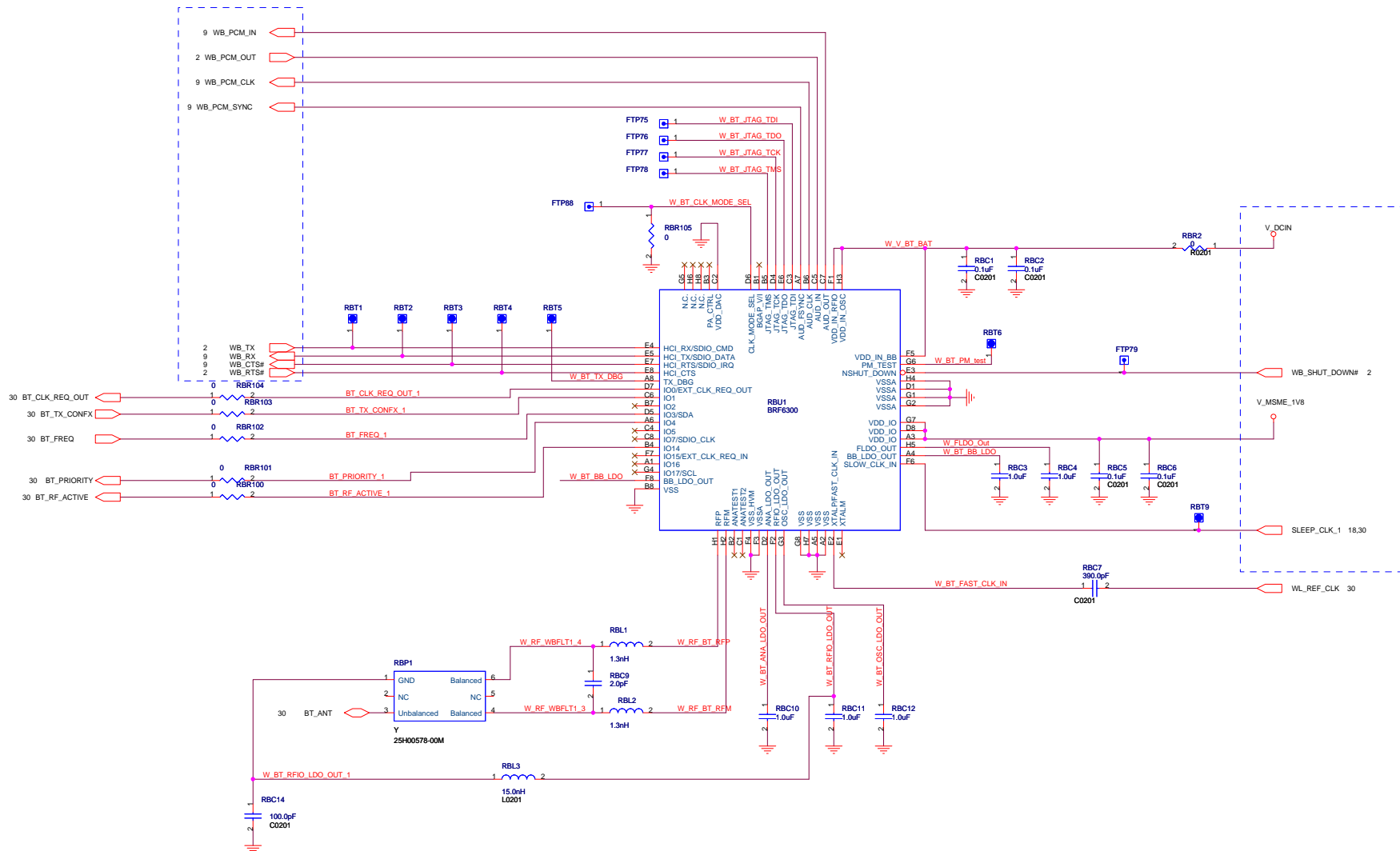
Title RF-GPS		Engineer Rayman_Kwok	
Size B	TOP DOC. Ioli110	Document Number CS-CER-51H40484-05M	Rev DVT
Date: Thursday, October 30, 2008		Sheet 27 of 31	

WLAN / BT Block Diagram

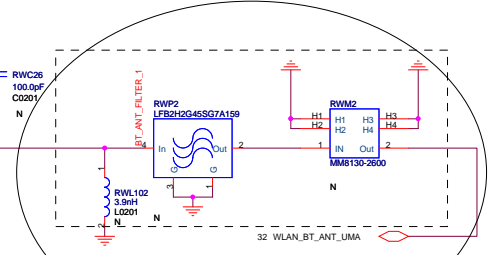
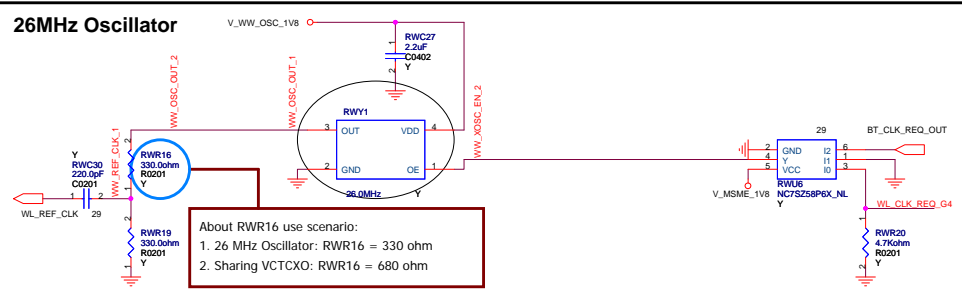
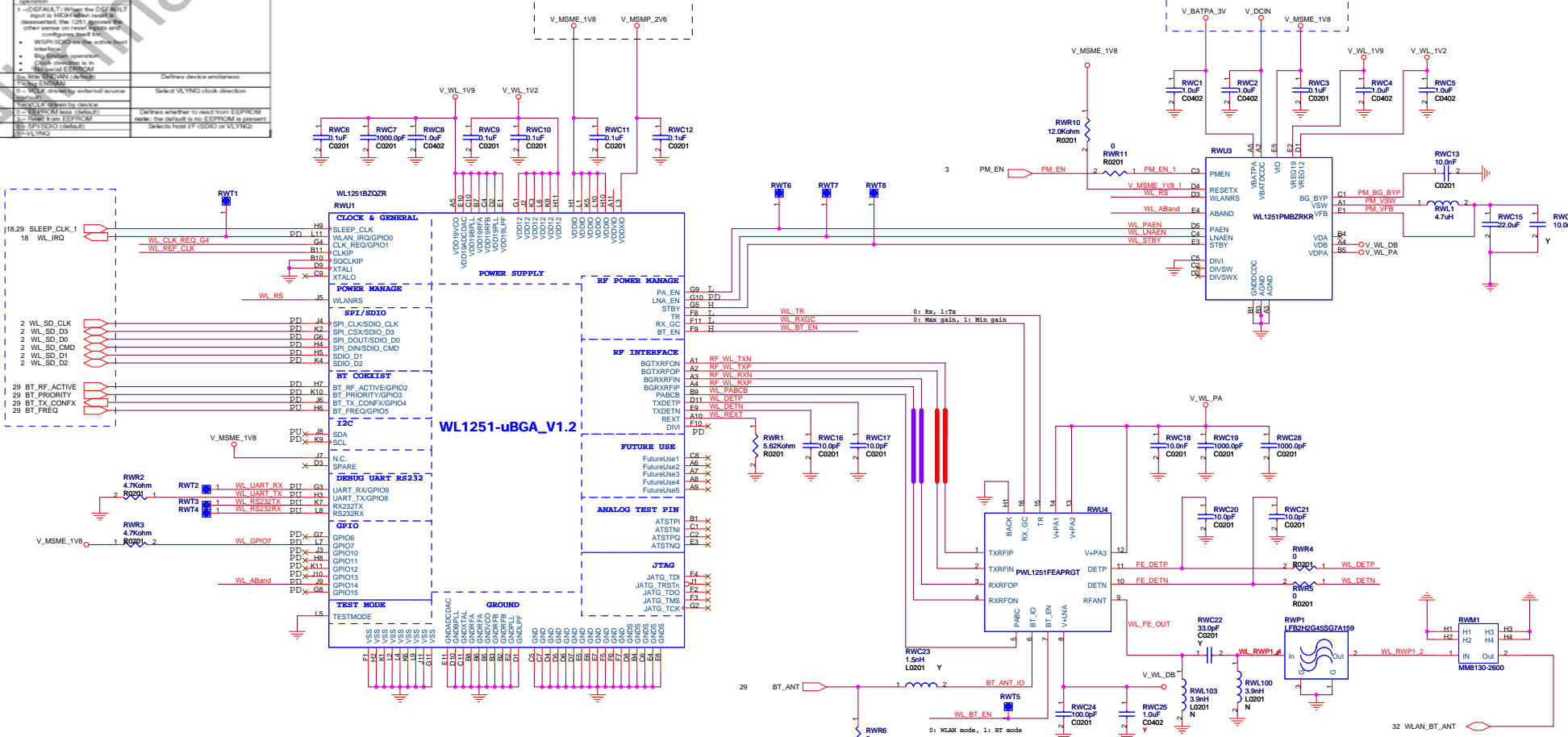


HTC Corporation

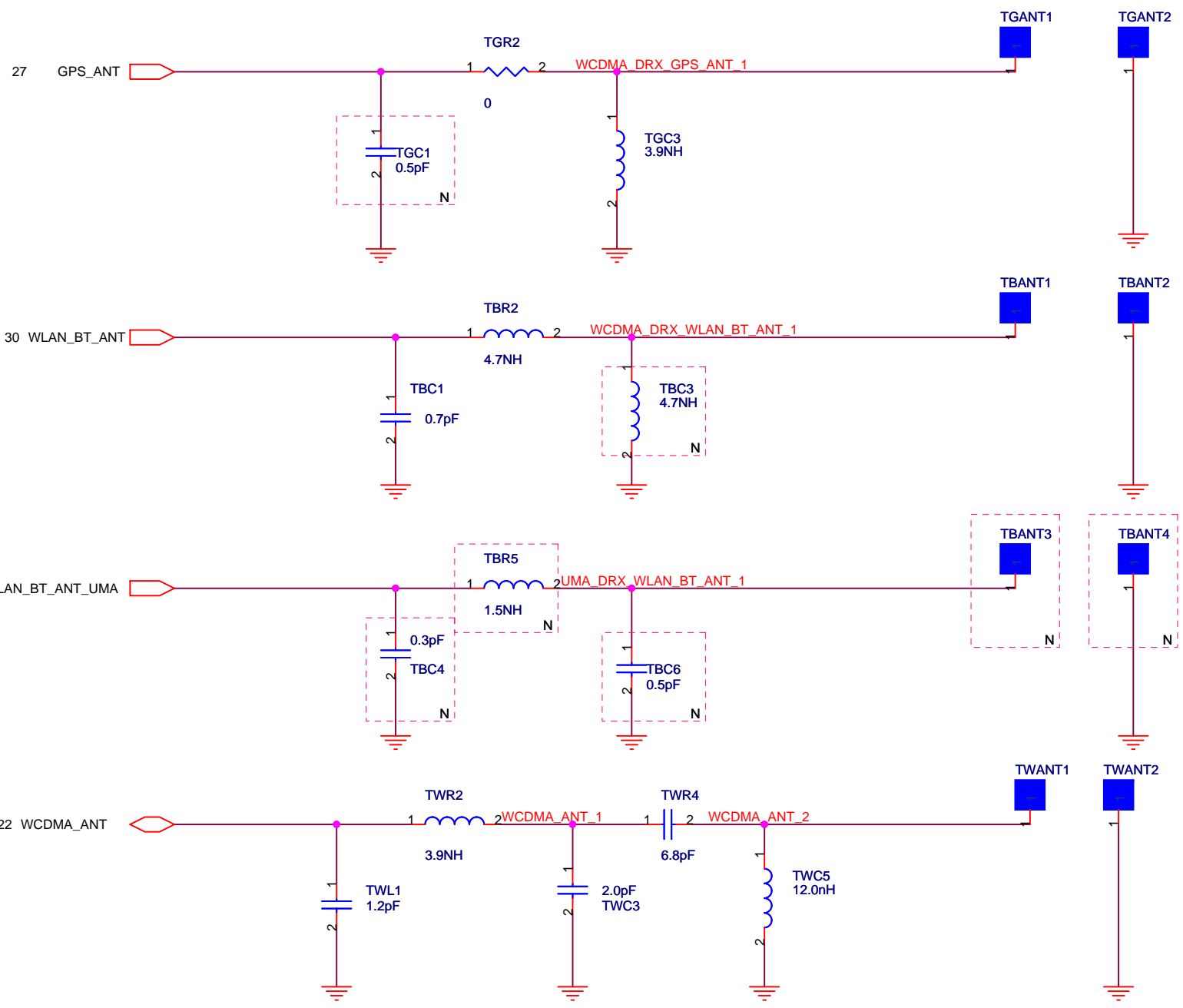
Title WLAN/BT Block Diagram		Engineer Chris Li	
Size B	TOP DOC. loli110	Document Number CS-CER-51H40484-05M	Rev DVT
Date: Thursday, October 30, 2008		Sheet 28 of 31	




SIGNAL	SENSE ON RESET FUNCTION	OPTIONS	DESCRIPTION
GPIO0	SEEPINMODE	0- VDD (default)	Defines SEEPINMODE
GPIO7	IO_Constrol	0- 1.8V (default) 1- 1.8V (default) 2- 1.8V (default) 3- 1.8V (default)	Defines SEEPINMODE
UART_TX	DEFAULT	0- Use the other GPIO signals current configuration as described in this table for the actual mode of operation. 1- (DEFAULT) When the DEFAULT input is HIGH either mode is asserted, the CS0 pin is ignored. Other settings are not applicable. 2- When the other GPIO signals current configuration as described in this table for the actual mode of operation. 3- When the other GPIO signals current configuration as described in this table for the actual mode of operation.	Defines whether to use default configuration.
GPIO10	ENDIAN	0- little endian (default) 1- big endian	Defines device endianness
GPIO11	VCLK_DIV	0- VCLK divided by external device 1- VCLK not divided	Selects VCLK clock divider
GPIO12	SLEEPINMODE	0- SEEPINMODE (default) 1- SEEPINMODE (default)	Defines whether to read from SEEPINMODE
GPIO13	SEEPINMODE	0- SEEPINMODE (default) 1- SEEPINMODE (default)	Selects host IP (SDIO or VCLK)



		HTC Corporation			
		Title	WLAN-WL1251-BGA(3G)	Engineer	Rayman_Kwok
Size	TOP DOC	Document Number	CS-CFR-91H40484-65M	Rev	DVT
Customer	16110	Date	Thursday, October 30, 2008	Sheet	30 of 31



loli100

				HTC Corporation			
				Title Antenna(3G)		Engineer Paul	
Size A4	TOP DOC. loli100		Document Number CS-CER-51H40484-04M		Rev DVT		
Date:	Thursday, October 30, 2008		Sheet	31	of	31	