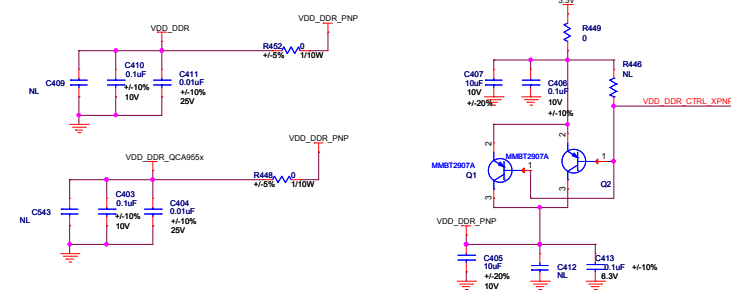
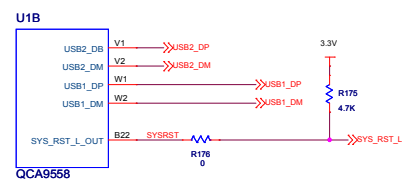
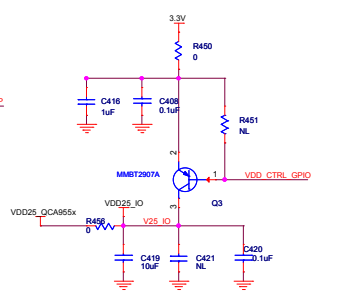
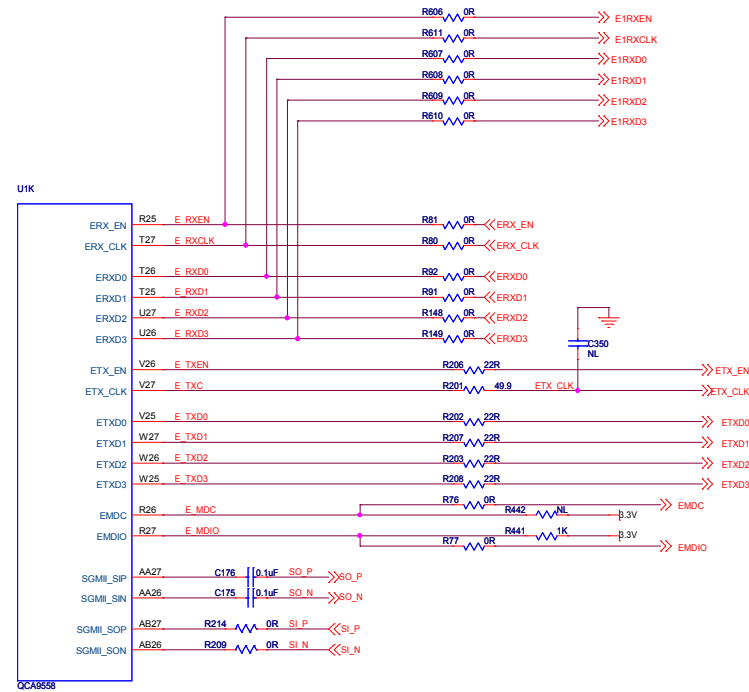
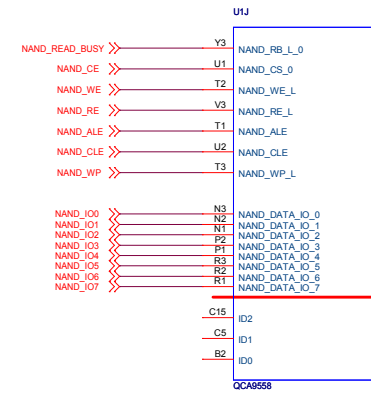
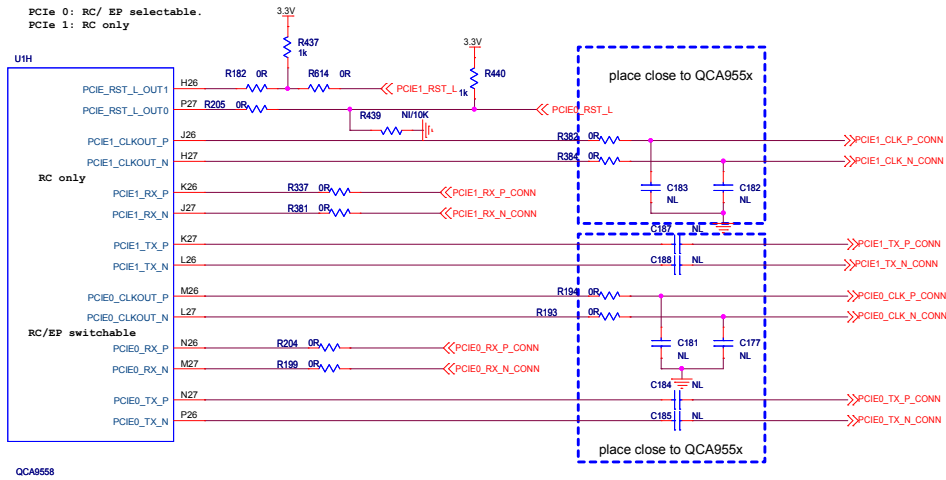


PNP TO GENERATE VDD\_DDR



PNP TO GENERATE VDD\_IOs



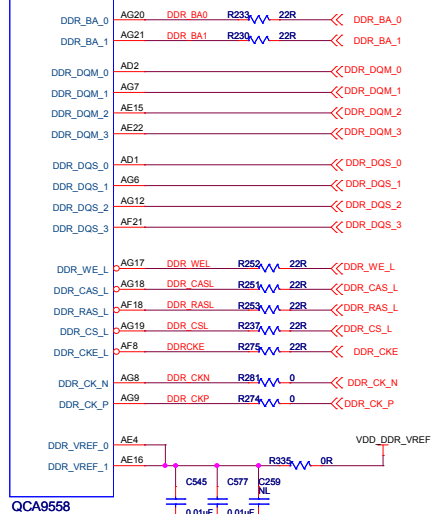


QUALCOMM Atheros  
1700 TECHNOLOGY DRIVE  
SAN JOSE, CA 95110

TITLE  
**QCA955x\_SGMII\_RGMII\_PCIe**

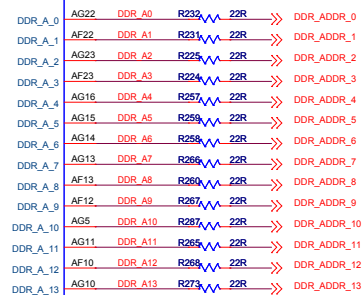
DATE 9/17/2012 SIZE C REV D SHEET 5 OF 18 DWG NO 245-02376-023

## U1E



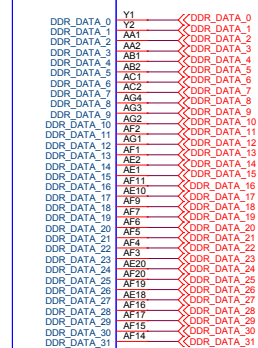
QCA9558

## U1C



QCA9558

## U1D



QCA9558



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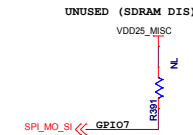
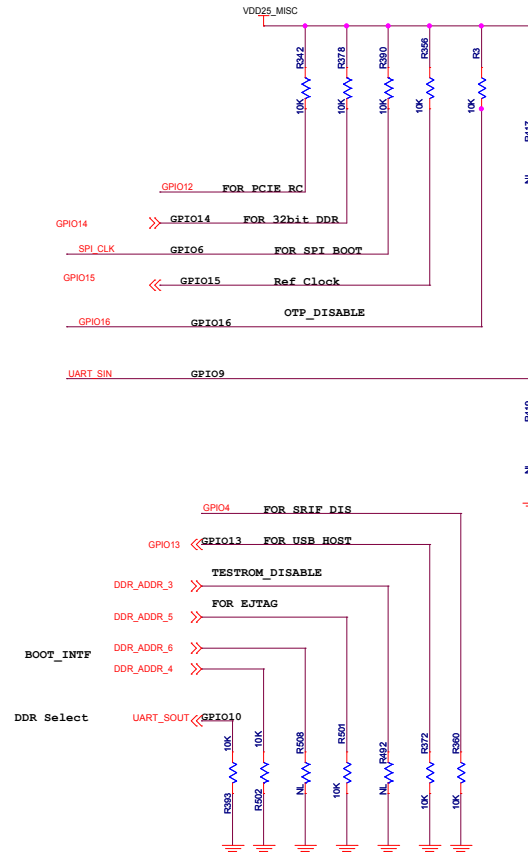
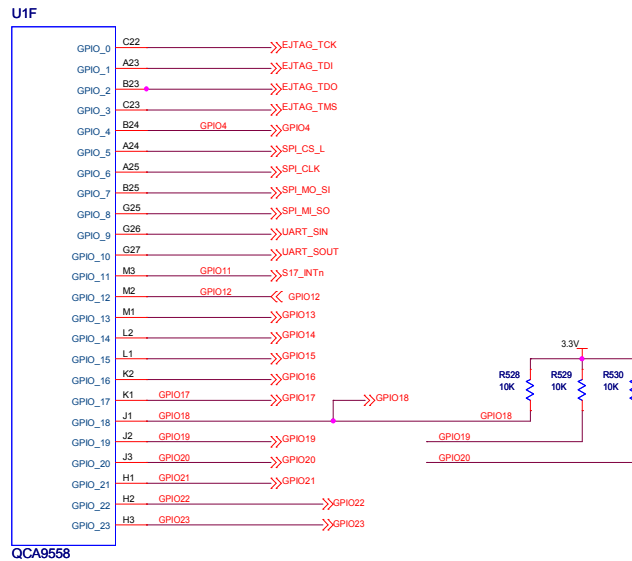


QUALCOMM ATHEROS  
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SAN JOSE, CA 95110

TITLE  
**QCA955x\_DDR**

DATE	9/17/2012	SIZE	C	REV	D	SHEET	6	OF	18	DWG NO	245-02376-023
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## Boot Strap Options



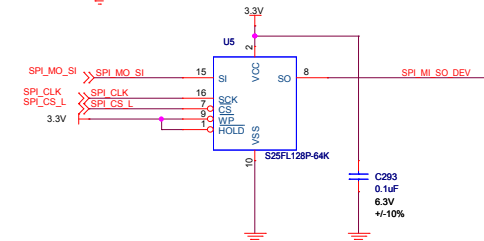
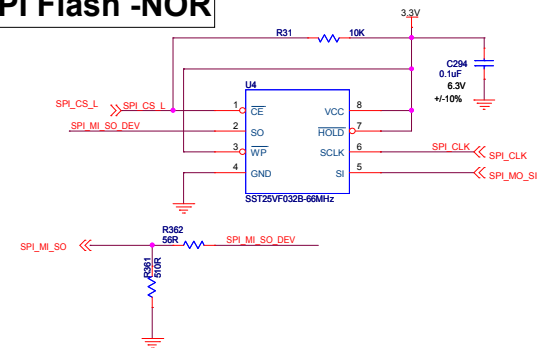
PIN	NAME	DESCRIPTION
GPIO12	RC_SELECT	0 - PCIE EP (default) 1 - PCIE RC
GPIO14	DDR_WIDTH	0 - 16bit 1 - 32bit
GPIO6	BOOT_SELECT	0 - Select from ROM 1 - From SPI Flash
GPIO15	REF_CLK	0 - 25MHz 1 - 40MHz
GPIO4	SRIF_ENABLE	0 - Disabled(default) 1 - Enabled
GPIO13	USB_MODE	0 - Host Mode (default) 1 - Device Mode
GPIO16	DISABLE_OTP_ACCESS	0 - OTP access enabled (default) 1 - OTP access disabled
GPIO7	SDRAM_SELECT	0 - SDRAM disable (default) 1 - SDRAM enable
GPIO10	DDR_SELECT	0 - Selects DDR 2 (default) 1 - Selects DDR 1
DCR AD3	TESTFROM_DISABLE	0 - Enabled 1 - Disabled (default)
DCR AD5	JTAG_MODE	1-JTAG (default) 0 - E-JTAG
DCR AD4 DCR AD6	BOOT_INTF	00 - USB 01 - PCIE EP 10 - BOOT MDIO 11 - NAND FLASH (default) Valid only if bit 2 (Boot from ROM) is 0



## EJTAG HEADER

## UART HEADER

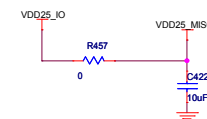
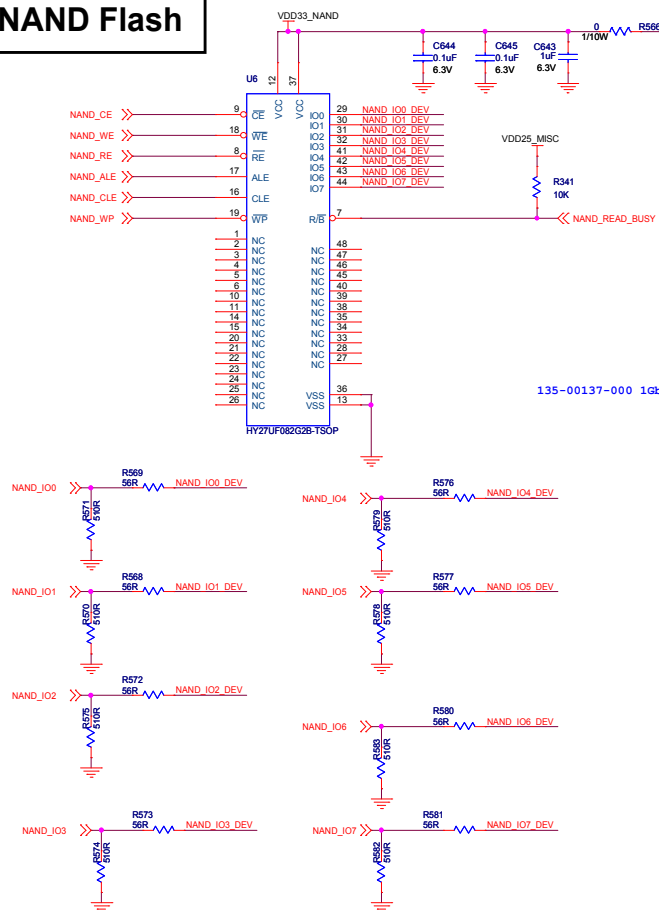
## SPI Flash -NOR



135-00102-000: 128Mb device 16-SO  
135-00049-000: 64Mb device 16-SO

## USB

## NAND Flash



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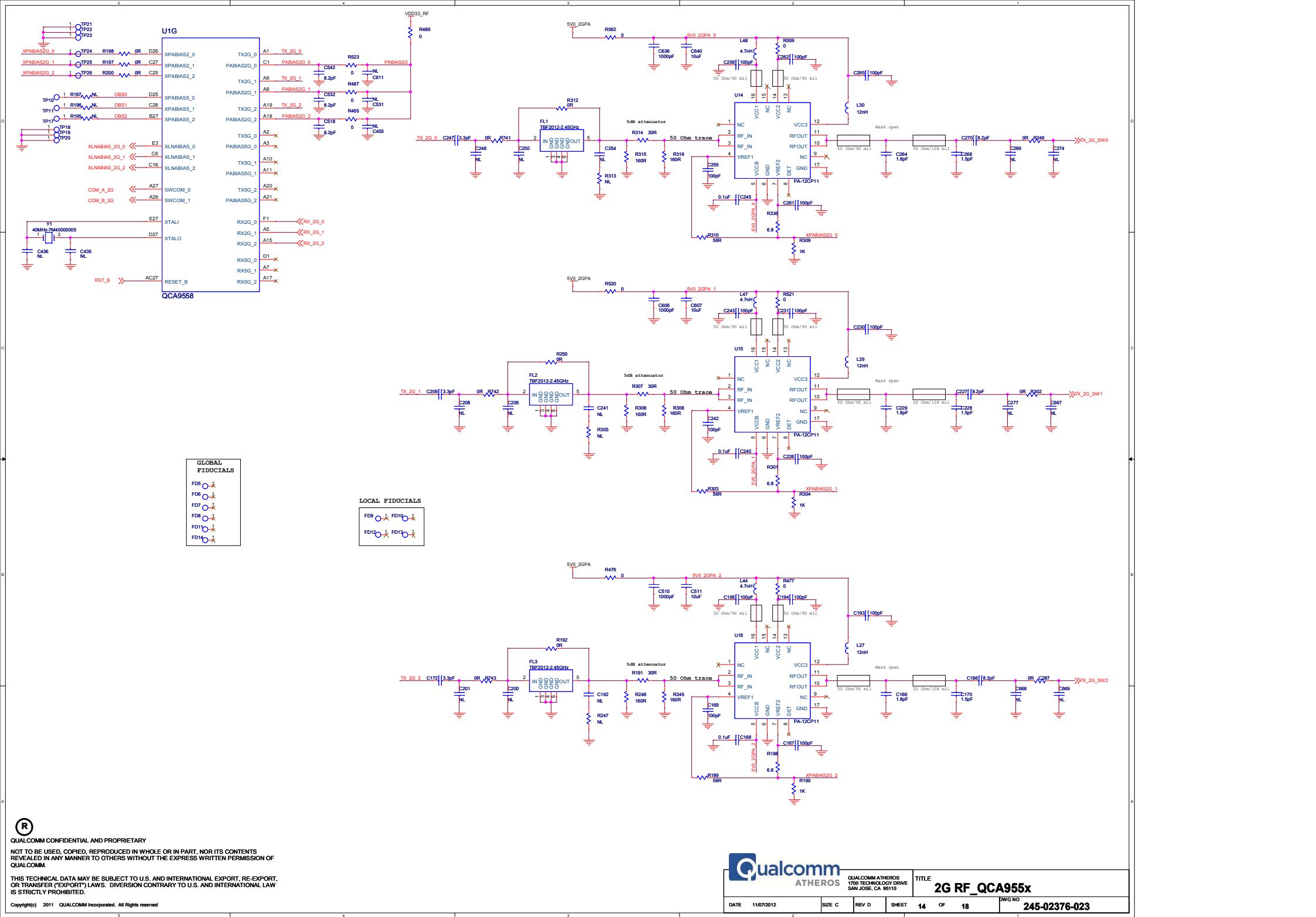
QUALCOMM Atheros  
1700 TECHNOLOGY DRIVE  
SAN JOSE, CA 95110

TITLE  
**EJTAG\_USB\_UART\_NAND**

DATE	9/17/2012	SIZE	C	REV	D	SHEET	9	OF	18	DWG NO	245-02376-023
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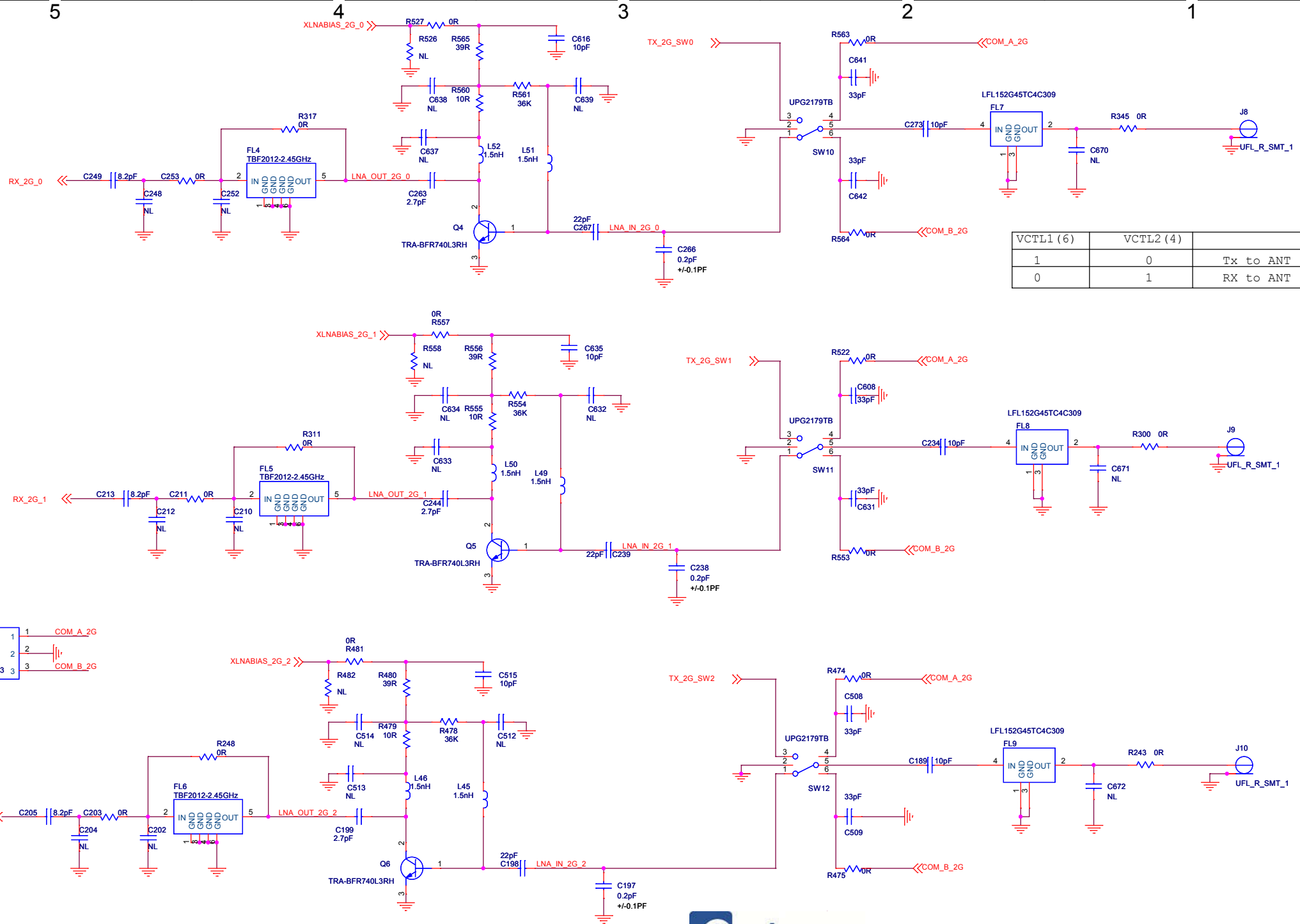
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SAN JOSE, CA 95110

TITLE  
**2G RF\_QCA955x**

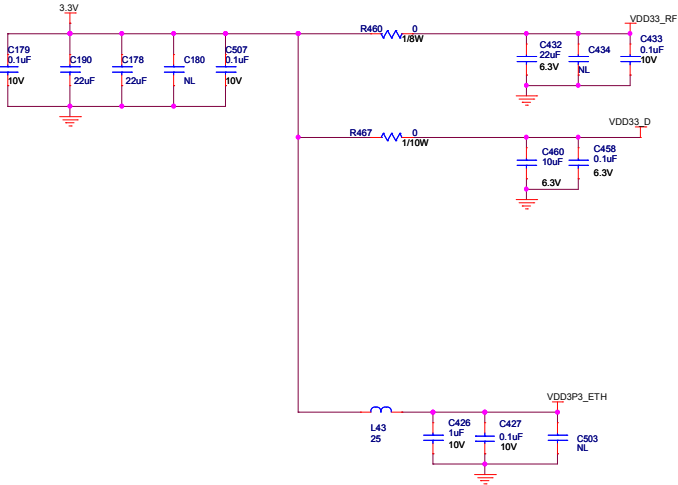
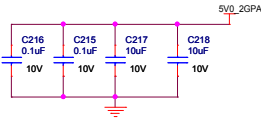
DATE 11/07/2012 SIZE C REV D SHEET 14 OF 18 DWG NO 245-02376-023



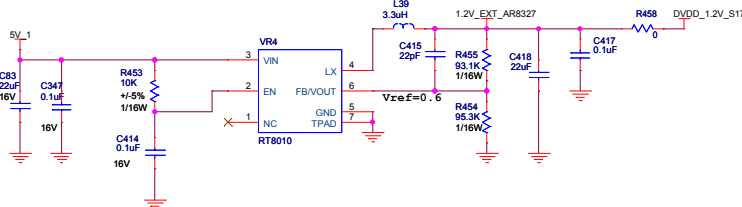
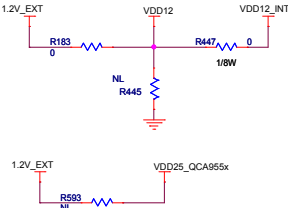
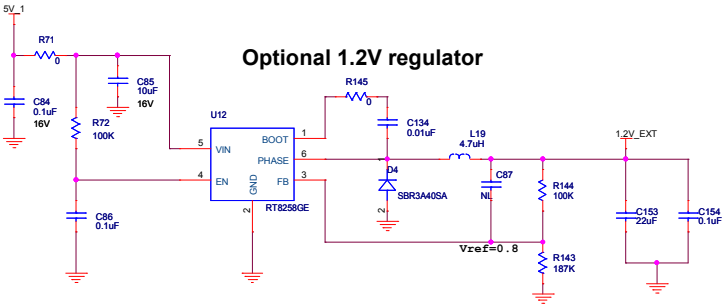
POWER SUPPLY, REGULATORS & DECOUPLING

3.3V VOLTAGE DOMAINS

Change R173 to 52.3K and R174 to 12.1K => Vout = 4.2V



Optional 1.2V regulator



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