

SHEET 1: SYSTEM BLOCK DIAGRAM

SHEET 2: WICED / ARDUINO HEADER PAIRS

SHEET 3: POWER

SHEET 4: PROGRAM / DEBUG INTERFACE, RESET

SHEET 5: BCM43907-based SiP (10mm x 10mm) SHEET 6: BOOTSTRAPS, SFLASH

SHEET 7: RF

SHEET 8: RESET DELAY, AUTH IC, uSD

SHEET 9: ARDUINO HEADERS, WICED HEADER, ADC

SHEET 10: MII

## SYSTEM BLOCK DIAGRAM

Approvals		Broadcom						
Designer	Date	Company Confidential						
Reviewer	Date	- SIZE B	TITLE	BCM943907AEVAL1F_1				
Reviewer	Date	Designer L	EX	1	Drawing Number 824-129817-0010	Version 03		
Reviewer	Date	DATE	16/10/2015:10:49		SHEET 1 OF 1	0		

SCHEMATIC DIAGRAM

824-129817-0010

200-129817-0010

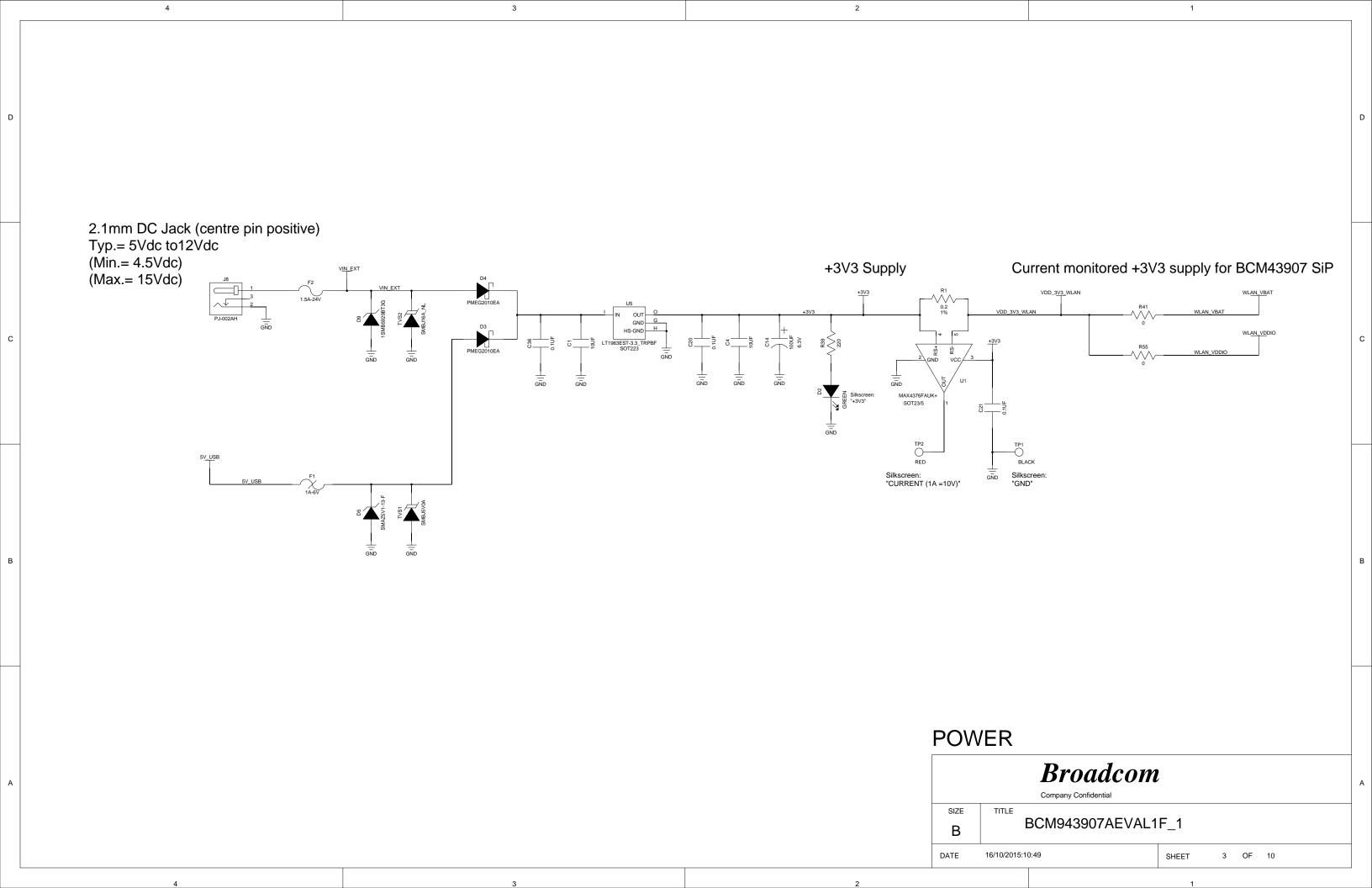
BCM43907-based SiP Pin Name	WICED header net name				
PWM_4 PWM_5 I2S0_MCK I2S0_SD_OUT I2S0_SCK_BLCK I2S0_WS_LRCLK NC GND SPI_1_CLK I2S1_SD_OUT SPI_1_MISO SPI_0_CLK SPI_0_MOSI SPI_0_MOSI SPI_0_MOSI SPI_1_CS SPI_0_MISO UART0_RXD_IN GND UART0_TXD_OUT USB2_HOST_DEV_SEL UART0_CTS_IN I2C_0_SCL UART0_RTS_OUT I2C_0_SDA I2S1_MCK I2S1_WS_LRCLK GND I2S1_SCK_BCLK SDIO_DATA1 SDIO_DATA0 SDIO_CLK SDIO_DATA2 RF_SW_CTRL_6_UART1_RX_IN RF_SW_CTRL_6_UART2_RX RF_SW_CTRL_9_HIB_LPO_SEL_UART2_TX HIB_WAKE HIB_LPO_SEL HIB_REG_ON_IN USB2_DP	PWM_4 PWM_5 I2S0_MCK I2S0_SD_OUT I2S0_SCK_BLCK I2S0_WS_LRCLK NC GND SPI_1_CLK I2S1_SD_OUT SPI_1_MISO SPI_0_CLK SPI_0_MOSI SPI_0_CS SPI_0_MOSI SPI_0_CS SPI_0_MISO UART0_RXD_IN GND UART0_TXD_OUT USB2_HOST_DEV_SEL UART0_CTS_IN I2C_0_SCL UART0_RTS_OUT I2C_0_SDA I2S1_MCK I2S1_MCK I2S1_MCK I2S1_WS_LRCLK GND I2S1_SCK_BCLK SDIO_DATA_1 SDIO_DATA_1 SDIO_DATA_2 RF_SW_CTRL_6_UART1_RXD JT UART1_TXD RF_SW_CTRL_6_UART2_RXD UART2_TXD HIB_WAKE HIB_LPO_SEL HIB_REG_ON_IN USB2_DP				
BCM43907-based SiP Pin Name	On Board Debug Interface				

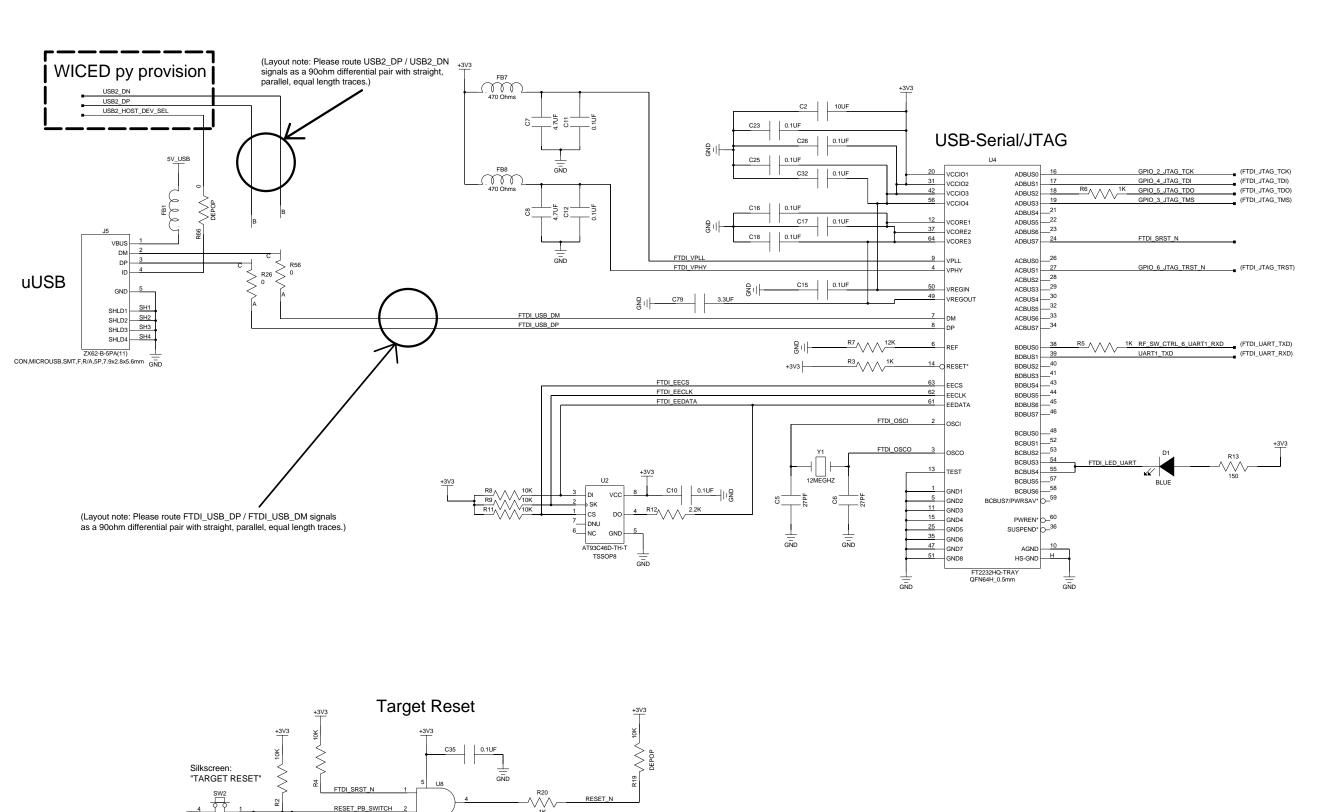
3CM43907-based SiP Pin Name	BCM43907-based SiP Pin Function	43907 bootstrap option	Arduino header net name	Arduino functions
GPIO_0 GPIO_1_GSPI_MODE GPIO_13_SDIO_MODE GPIO_7_WCPU_BOOT_MODE GPIO_14 GPIO_16 GPIO_15 I2S0_SD_IN N/A (uses external ADC chip) I2C_1_SDA I2C_1_SCL I2S1_SD_IN GPIO_12 GPIO_11_ACPU_BOOT_MODE GPIO_10 GPIO_8_TAP_SEL GPIO_9_USB_SEL GND N/A (supplied off eval board) I2C_1_SCL NC N/A (supplied off eval board) RESET_L N/A (supplied off eval board) GND GND GND N/A (supplied off eval board) GND GND N/A (supplied off eval board)	UARTO_RX UARTO_TX GPIO_13 PWM1 GPIO_14 PWM0 PWM1 GPIO_26 ADC ADC ADC ADC ADC I2C_SDA I2C_SCL GPIO_29 PWM2 SPI1_CS, PWM5 SPI1_MOSI, PWM4 SPI1_MISO, PWM2 SPI1_CLK, PWM3 GND N/A (supplied off eval board) I2C_SDA I2C_SCL NC N/A (supplied off eval board) RESET N/A (supplied off eval board) GND GND GND N/A (supplied off eval board) GND GND GND N/A (supplied off eval board)	GSPI MODE SDIO MODE WLAN BOOT	ARD_GPIO0 ARD_GPIO1 ARD_GPIO2 ARD_GPIO3 ARD_GPIO4 ARD_GPIO5 ARD_GPIO6 ARD_AD0 ARD_AD1 ARD_AD2 ARD_AD3 ARD_AD4_SDA ARD_AD5_SCL ARD_GPIO9 ARD_SS ARD_MOSI ARD_MISO ARD_ACK GND ARD_ACK GND ARD_ACK GND ARD_ACK GND ARD_ACK GND ARD_IOREF ARD_IOREF ARD_RESET +3V3 NC GND GND GND VIN_EXT	UART_RX UART_TX GPIO PWM GPIO PWM PWM GPIO AD0 AD1 AD2 AD3 AD4, SDA AD5, SCL GPIO PWM PWM, SPI_CS PWM, SPI_MOSI SPI_MISO SPI_SCK GND POWER AD4, SDA AD5, SCL NC POWER RESET POWER POWER GND GND POWER

BCM43907-based SiP Pin Name	On Board Debug Interface			
GPIO2_JTAG_TCK GPIO3_JTAG_TMS GPIO4_JTAG_TDI GPIO5_JTAG_TDO GPIO6_JTAG_TRST_N RF_SW_CTRL_7_RSRC_INIT_MODE_UART1_TX_OUT RF_SW_CTRL_6_UART1_RX_IN	GPIO2_JTAG_TCK GPIO3_JTAG_TMS GPIO4_JTAG_TDI GPIO5_JTAG_TDO GPIO6_JTAG_TRST_N RF_SW_CTRL_7_UART1_TXD RF_SW_CTRL_6_UART1_RXD			

## WICED / ARDUINO HEADER PAIRS

	Broadcom	2					
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SIZE	TITLE						
В	BCM943907AEVAL1F_1						
DATE	16/10/2015:10:49	SHEET	2	OF	10		





## PROGRAM / DEBUG INTERFACE, RESET

Broadcom							
	Company Confidential						
SIZE	TITLE						
В	BCM943907AEVA	BCM943907AEVAL1F_1					
DATE	16/10/2015:10:49	SHEET	4	OF	10		

SN74AHC1G08DBVR SOT23-5

