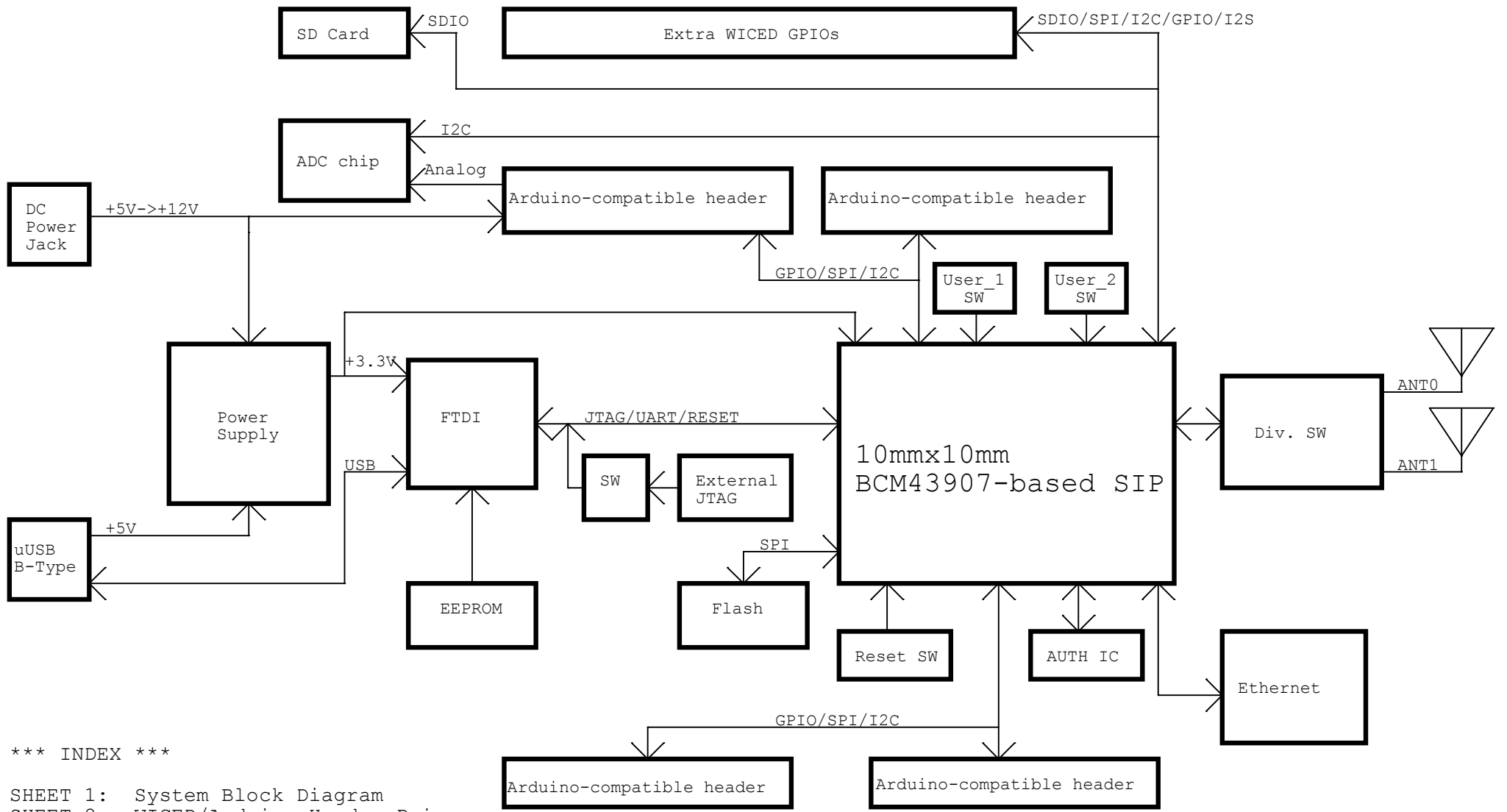


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SYSTEM BLOCK DIAGRAM

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BCM43907-based SiP Pin Name	WICED header net name
PWM_3	PWM_3
PWM_4	PWM_4
PWM_5	PWM_5
I2S0_MCK	I2S0_MCK
I2S0_SD_OUT	I2S0_SD_OUT
I2S0_SCK_BCLK	I2S0_SCK_BCLK
I2S0_WS_LRCLK	I2S0_WS_LRCLK
GND	GND
SPI_1_CLK	SPI_1_CLK
I2S1_SD_OUT	I2S1_SD_OUT
SPI_1_MISO	SPI_1_MISO
SPI_0_CLK	SPI_0_CLK
SPI_1_MOSI	SPI_1_MOSI
SPI_0_MOSI	SPI_0_MOSI
SPI_1_CS	SPI_1_CS
SPI_0_CS	SPI_0_CS
SPI_0_MISO	SPI_0_MISO
UART0_RXD_IN	UART0_RXD_IN
GND	GND
UART0_TXD_OUT	UART0_TXD_OUT
USB2_HOST_DEV_SEL	USB2_HOST_DEV_SEL
UART0_CTS_IN	UART0_CTS_IN
I2C_0_SCL	I2C_0_SCL
UART0_RTS_OUT	UART0_RTS_OUT
I2C_0_SDA	I2C_0_SDA
I2S1_MCK	I2S1_MCK
I2S1_WS_LRCLK	I2S1_WS_LRCLK
GND	GND
I2S1_SCK_BCLK	I2S1_SCK_BCLK
SDIO_DATA1	SDIO_DATA_1
SDIO_DATA0	SDIO_DATA_0
SDIO_CLK	SDIO_CLK
SDIO_CMD	SDIO_CMD
SDIO_DATA3	SDIO_DATA_3
SDIO_DATA2	SDIO_DATA_2
RF_SW_CTRL_6_UART1_RX_IN	RF_SW_CTRL_6_UART1_RXD
RF_SW_CTRL_7_RSRC_INIT_MODE_UART1_TX_OUT	UART1_TXD
RF_SW_CTRL_8_UART2_RX	RF_SW_CTRL_8_UART2_RXD
RF_SW_CTRL_9_HIB_LPO_SEL_UART2_TX	UART2_TXD
HIB_WAKE	HIB_WAKE
HIB_LPO_SEL	HIB_LPO_SEL
HIB_REG_ON_IN	HIB_REG_ON_IN
USB2_DN	USB2_DN
USB2_DP	USB2_DP

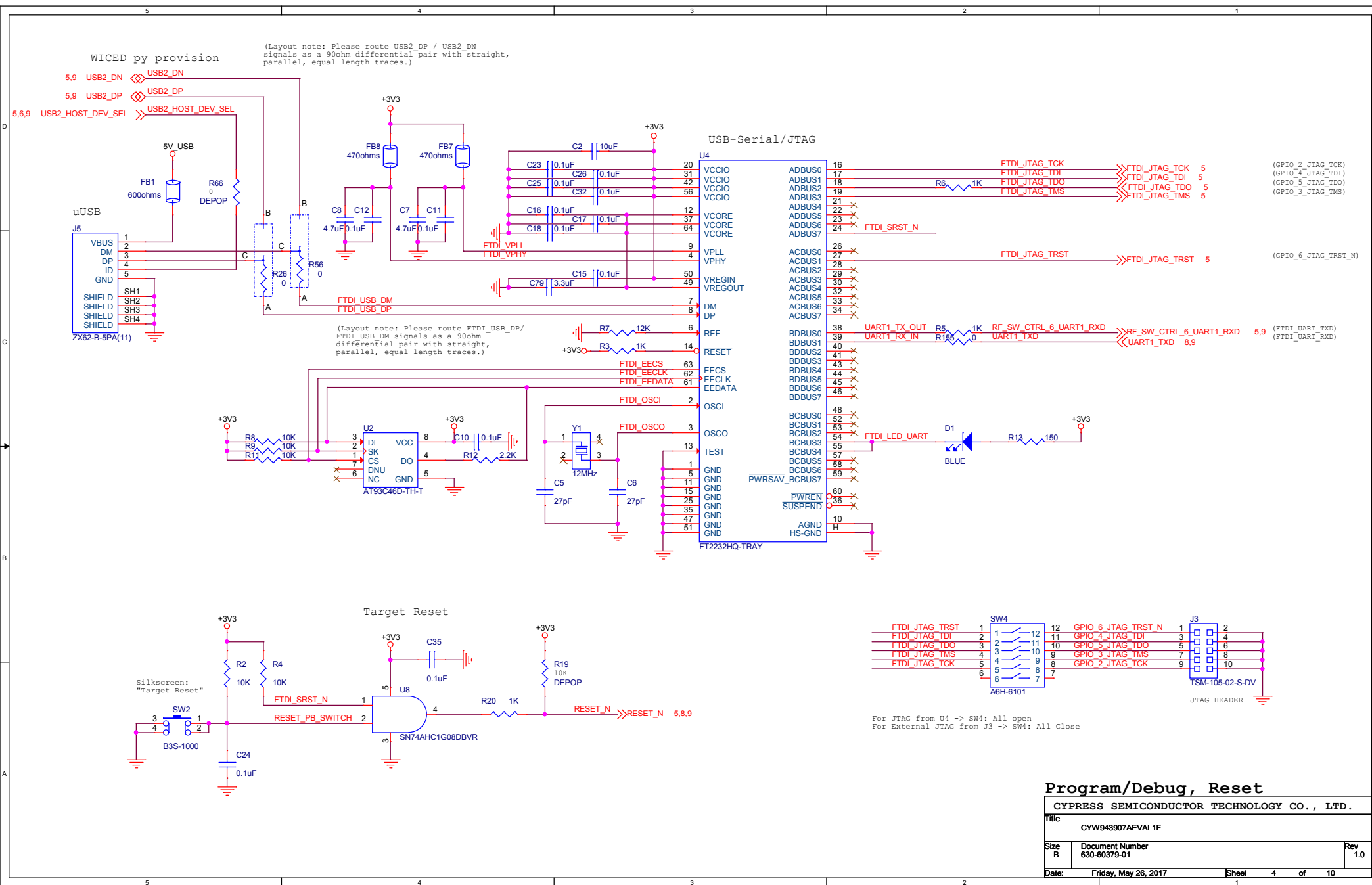
BCM43907-based SiP Pin Name	BCM43907-based SiP Pin Function	Bootstrap option	Arduino header net name	Arduino functions
GPIO_0	UART0_RX	GSPI MODE SDIO MOD WLAN BOOT	ARD_GPIO0	UART_RX
GPIO_1_GSPI_MODE	UART0_TX		ARD_GPIO1	UART_TX
GPIO_13_SDIO_MODE	GPIO_13		ARD_GPIO2	GPIO
GPIO_7_WCPU_BOOT_MODE	PWM5		ARD_GPIO3	PWM
GPIO_14	GPIO_14		ARD_GPIO4	GPIO
GPIO_16	PWM2		ARD_GPIO5	PWM
GPIO_15	PWM3		ARD_GPIO6	PWM
I2S0_SD_IN	GPIO_26		ARD_GPIO7	GPIO
N/A(uses external ADC chip)	ADC_AD0		ARD_AD0	AD0
N/A(uses external ADC chip)	ADC		ARD_AD1	AD1
N/A(uses external ADC chip)	ADC	APPS BOOT	ARD_AD2	AD2
N/A(uses external ADC chip)	ADC		ARD_AD3	AD3
N/A(uses external ADC chip)	ADC		ARD_AD4_SDA	AD4, SDA
N/A(uses external ADC chip)	ADC		ARD_AD5_SCL	AD5, SCL
I2S1_SD_IN	GPIO_29		ARD_GPIO8	GPIO
PWM_4	PWM4		ARD_GPIO9	PWM
GPIO_11_ACPU_BOOT_MODE	SPI1_CS, PWM1		ARD_SS	PWM, SPI_CS
GPIO_10	SPI1_MOSI, PWM0		ARD_MOSI	PWM, SPI_MOSI
GPIO_12	SPI1_MISO		ARD_MISO	SPI_MISO
GPIO_9_USB_SEL	SPI1_CLK		ARD_SCK	SPI_SCK
GND	GND		GND	GND
N/A (supplied off eval board)	N/A (supplied off eval board)		ARD_AREF	POWER
I2C_1_SDA	I2C_SDA	N/A (supplied off eval board)	ARD_AD4_SDA	AD4, SDA
I2C_1_SCL	I2C_SCL		ARD_AD5_SCL	AD5, SCL
NC	NC		ARD_NC	NC
N/A (supplied off eval board)	N/A (supplied off eval board)		ARD_IOREF	POWER
RESET_L	RESET		ARD_RESET	RESET
N/A (supplied off eval board)	N/A (supplied off eval board)		+3V3	POWER
N/A (supplied off eval board)	N/A (supplied off eval board)		NC	POWER
GND	GND		GND	GND
GND	GND		GND	GND
N/A (supplied off eval board)	N/A (supplied off eval board)		VIN_EXT	POWER

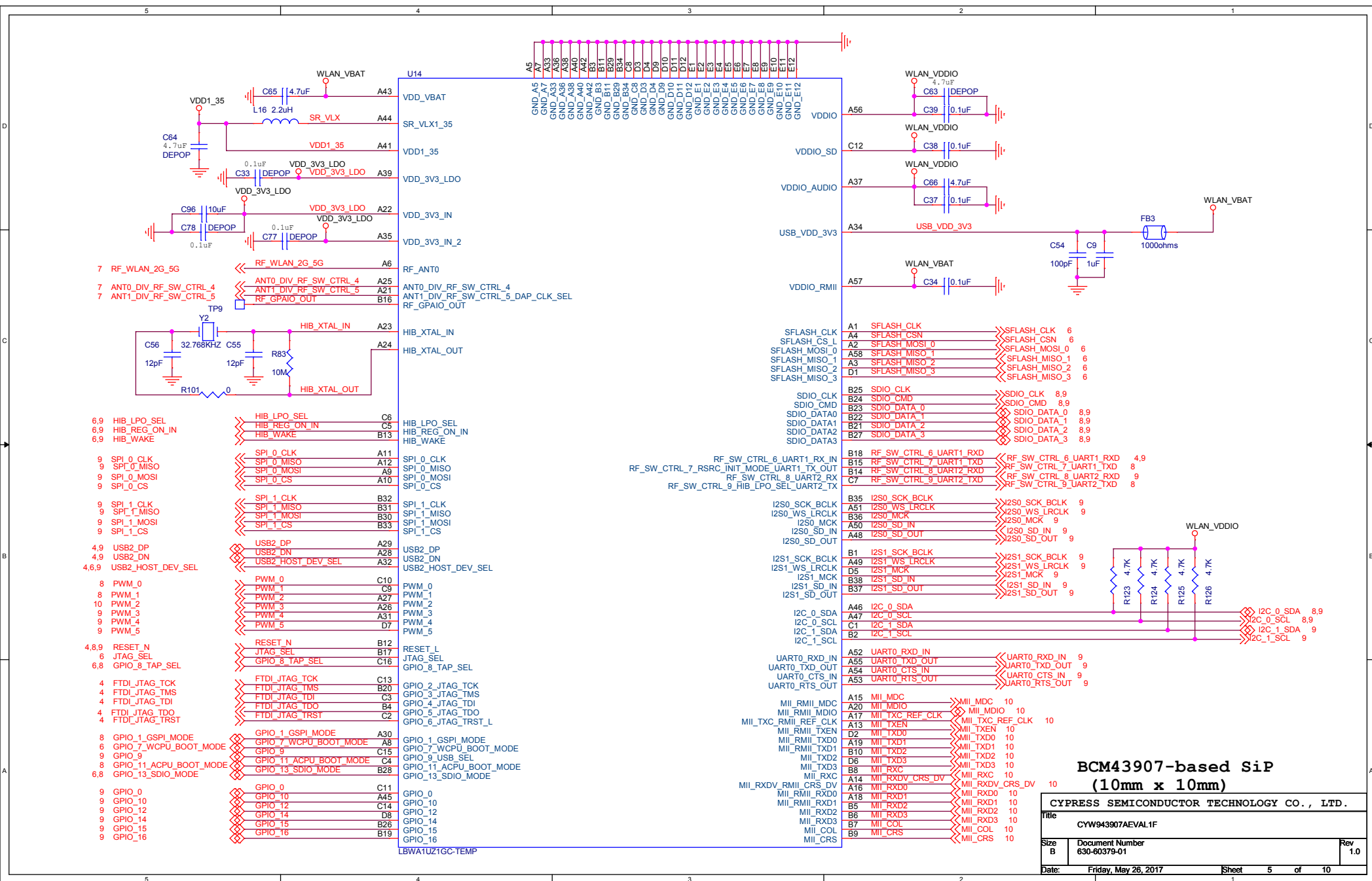
BCM43907-based SiP Pin Name	On Board Debug Interface
GPIO2_JTAG_TCK	GPIO2_JTAG_TCK
GPIO3_JTAG_TMS	GPIO3_JTAG_TMS
GPIO4_JTAG_TDI	GPIO4_JTAG_TDI
GPIO5_JTAG_TDO	GPIO5_JTAG_TDO
GPIO6_JTAG_TRST_N	GPIO6_JTAG_TRST_N
RF_SW_CTRL_7_RSRC_INIT_MODE_UART1_TX_OUT	UART1_TXD
RF_SW_CTRL_6_UART1_RX_IN	RF_SW_CTRL_6_UART1_RXD

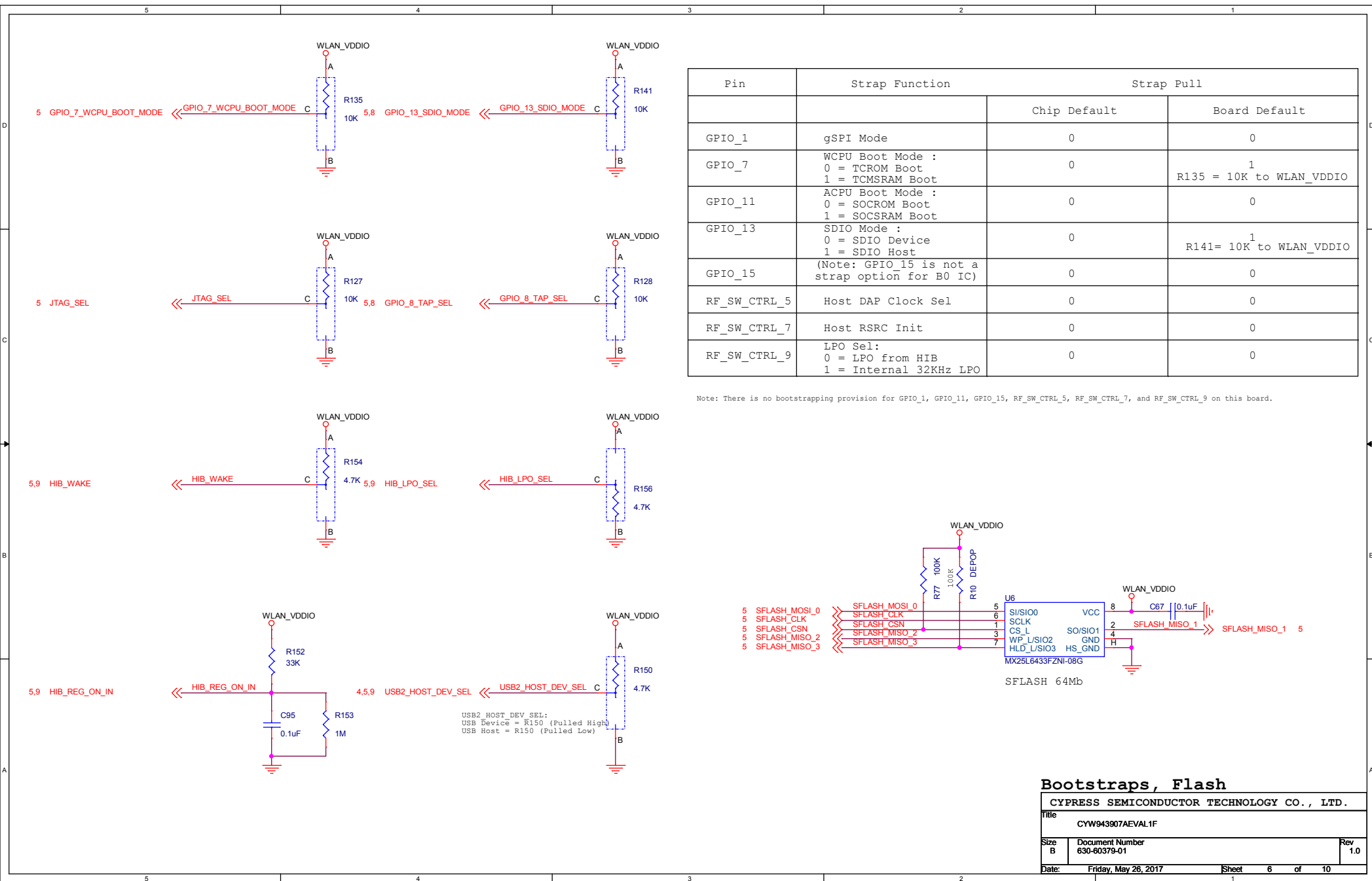
WICED / ARDUINO HEADER PAIRS

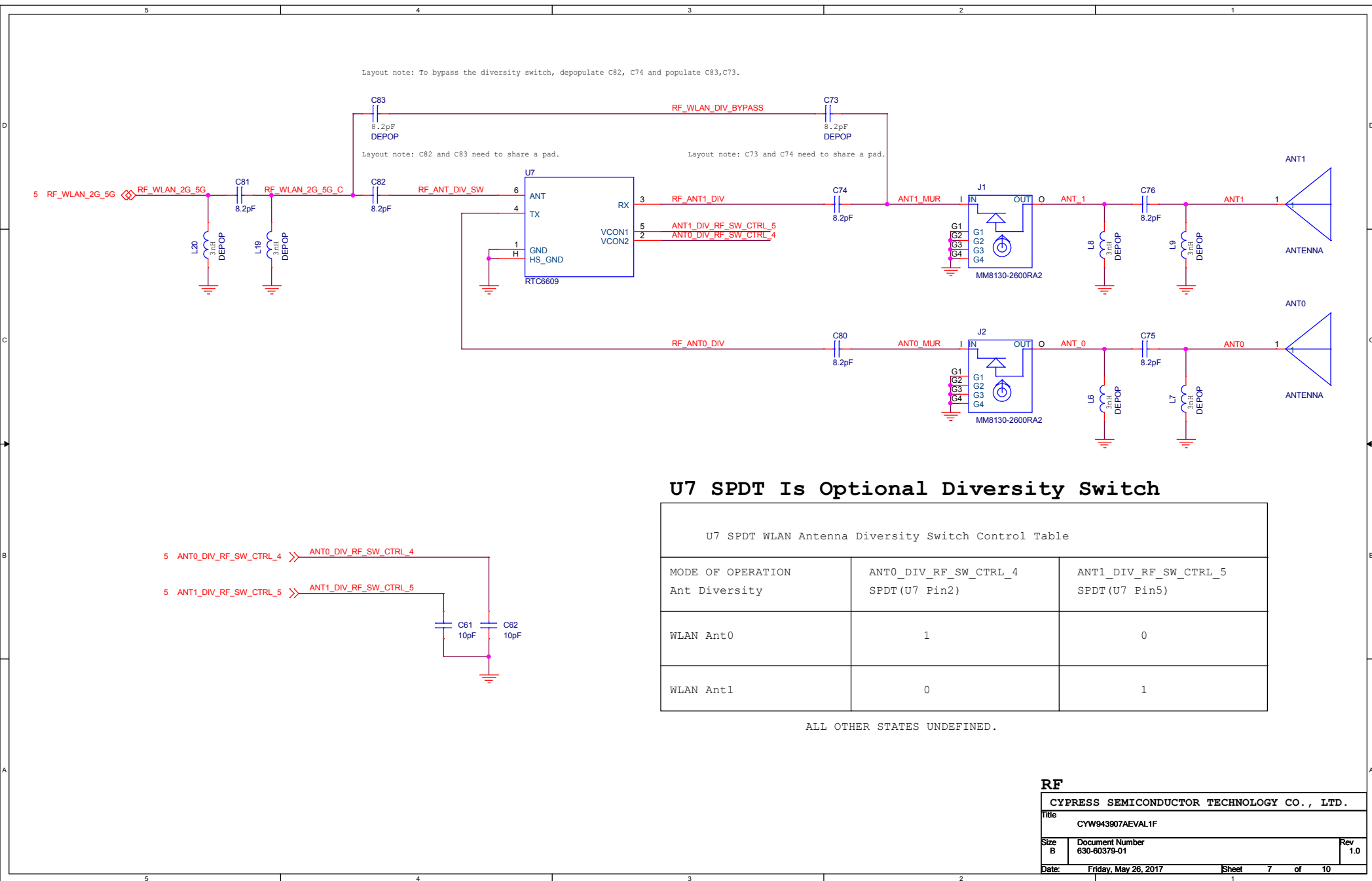
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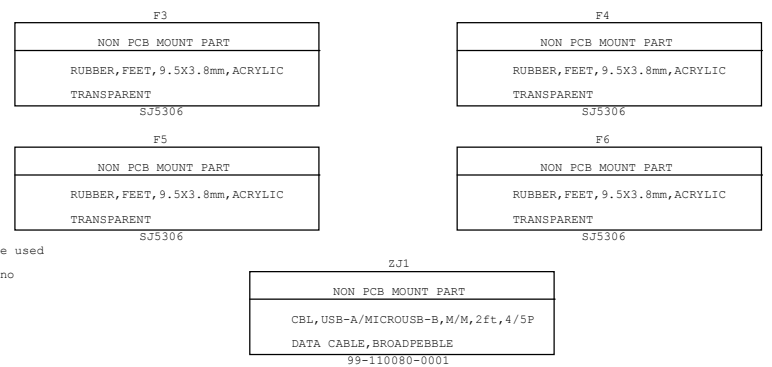
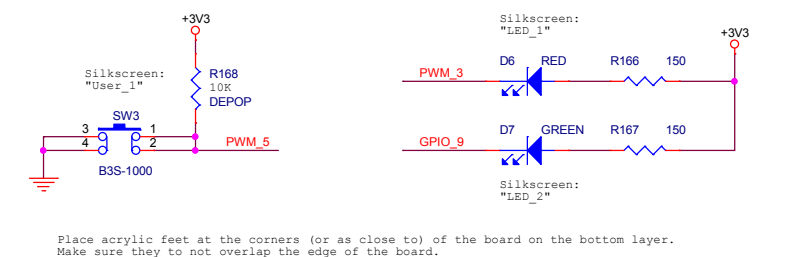
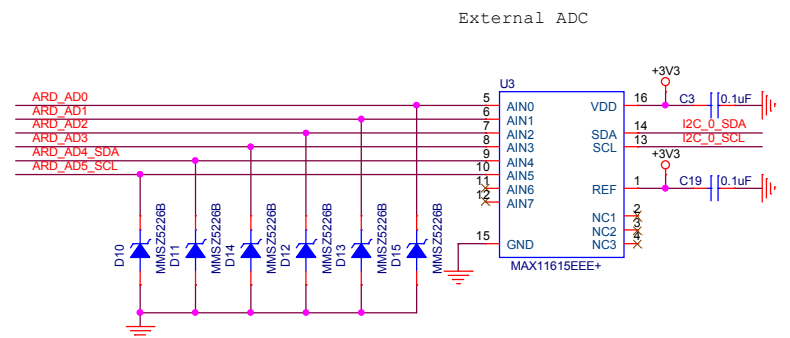
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WICED/Arduino Headers, ADC

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