

REVISION HISOTRY REV DATE NOTES P101 9/2/ 2015 Engineering release for procurement. Merged BT_VBAT and BT_VDDIO into a new net BT_3V3. Removed R25.
 Switched Ant0, Ant1 RF and control signals at U7 to remove RF trace cross over seen in layout. P102 10/15/ 2015 3. Replaced ANT2 with single-band ant Changed footprint for U6 and U9 . Added L12, 14. Removed Strapping GPIO_9_USB*
 Since BT RF trace from U8 to J3 was long, added another pi matching network. **REVISION HISOTRY Broadcom** Company Confidential SIZE TITLE BCM943907AEVAL2F_1 В DATE 15/10/2015:15:27 OF 1

| BCM43907WLCSP SiP Pin Name | WICED header net name |
|----------------------------|------------------------------|
| PWM 4 | PWM 4 |
| PWM_5 | PWM_5 |
| I2S0 MCK | I2S0_MCK |
| I2S0_SD_OUT | I2S0_SD_OUT |
| I2S0_SCK_BLCK | I2S0_SCK_BLCK |
| I2S0_WS_LRCLK | I2S0_WS_LRCLK |
| NC | NC |
| GND | GND |
| SPI 1 CLK | SPI 1 CLK |
| I2S1_SD_OUT | 12S1_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 |
| UARTO_RXD_BT_JTAG_TDO | UART0_RXD_BT_JTAG_TDO GND |
| GND | |
| UARTO_TXD_BT_JTAG_TDI | UARTO_TXD_BT_JTAG_TDI |
| USB2_HOST_DEV_SEL | USB2_HOST_DEV_SEL |
| UARTO_CTS_BT_JTAG_CLK | UARTO_CTS_BT_JTAG_CLK |
| I2C_0_SCL | I2C_0_SCL |
| UARTO_RTS_BT_JTAG_TMS | UARTO_RTS_BT_JTAG_TMS |
| 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_DATA_1 | SDIO_DATA_1 |
| SDIO_DATA_0 | SDIO_DATA_0 |
| SDIO_CLK | SDIO_CLK |
| SDIO_CMD | SDIO_CMD |
| SDIO_DATA_3 | SDIO_DATA_3 |
| SDIO_DATA_2 | SDIO_DATA_2 |
| RF_SW_CTRL_6_UART1_RXD | RF_SW_CTRL_6_UART1_RXD |
| UART1_TXD | RF_SW_CTRL_7_UART1_TXD |
| RF_SW_CTRL_8_BT_GPIO_7 | RF_SW_CTRL_8_BT_GPIO_7 |
| RF_SW_CTRL_9_BT_GPIO_6H | RF_SW_CTRL_9_BT_GPIO_6 |
| 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 |
| BT_DEV_WAKE | BT_DEV_WAKE |
| BT_HOST_WAKE | BT_HOST_WAKE |
| BT_GPIO_2_BT_JTAG_TRST | BT_GPIO_2_BT_JTAG_TRST |
| | |
| | |
| 3CM43907WLCSP SiP Pin Name | On Board Debug Interface |
| | on board bobdy intoridoo |

| BCM43907WLCSP SiP Pin Name | BCM43907WLCSP SiP Pin Function | SiP 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 BT_ADC_0 BT_ADC_1 BT_ADC_2 BT_ADC_3 I2C_1_SDA I2C_1_SDA I2C_1_SD_IN GPIO_12 GPIO_11_ACPU_BOOT_MODE GPIO_10 GPIO_8_TAP_SEL GPIO_9_USB_HSIC_SEL GND N/A (supplied off eval board) I2C_1_SDA I2C_1_SCL NC N/A (supplied off eval board) RESET_L N/A (supplied off eval board) N/A (supplied off eval board) GND GND 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 | GPIO_0 GPIO_1_GSPI_MODE GPIO_13_SDIO_MODE GPIO_7_WCPU_BOOT_MO GPIO_14 GPIO_16 GPIO_15 I2S0_SD_IN ARD_AD0 ARD_AD1 ARD_AD2 ARD_AD3 ARD_AD4_SDA ARD_AD5_SCL I2S1_SD_IN GPIO_12 GPIO_11_ACPU_BOOT_M GPIO_10 GPIO_8_TAP_SEL GPIO_9_USB_HSIC_SEL GND ARD_AD5_SCL ARD_AD4_SDA ARD_AD5_SCL GND ARD_AREF ARD_AD4_SDA ARD_ACE ARD_NC N/A RESET_N +3V3 N/A GND GND VIN_EXT | GPIO PWM PWM GPIO AD0 AD1 AD2 AD3 AD4, SDA AD5, SCL GPIO PWM |

| BCM43907WLCSP SiP Pin Name | On Board Debug Interface |
|---|---|
| GPIO2_JTAG_TCK GPIO3_JTAG_TMS GPIO4_JTAG_TDI GPIO5_JTAG_TDO GPIO6_JTAG_TRST_L RF_SW_CTRL_7_UART1_TX RF_SW_CTRL_6_UART1_RX | GPIO2_JTAG_TCK GPIO3_JTAG_TMS GPIO4_JTAG_TDI GPIO5_JTAG_TDO GPIO6_JTAG_TRST_L RF_SW_CTRL_7_UART1_TXD RF_SW_CTRL_6_UART1_RXD |

WICED / ARDUINO HEADER PAIRS

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