

RTL8711AM

Peripheral Description



Peripheral Support

- Debug UART: GPIOB_[0..1]
- UART: GPIOA_[6..7]
- I2C: GPIOB_[2..3]
- PWM: GPIOC_0, GPIOE_[1..2]
- SPI: GPIOC_4 (CS1), GPIOC_[1..3]



Default Setup(PWM is used)

PIN name	JTAG	SPI_M	UART_LOG	UART0	I2C1	I2C2	I2C3	SPI0
GPIOA_3				UART0_RTS				
GPIOA_5				UART0_CTS				
GPIOA_6				UART0_IN				
GPIOA_7				UART0_OUT				
GPIOB_0			UART_LOG_OUT	UART				
GPIOB_1			UART_LOG_IN					
GPIOB_2							I2C3_SCL	
GPIOB_3							I2C3_SDA	
GPIOC_0		SPI_M_CS		UART0_IN				SPI0_CS0
GPIOC_1		SPI_M_CLK		UART0_CTS				SPI0_CLK
GPIOC_2		SPI_M_DATA0		UART0_RTS				SPI0_MOSI
GPIOC_3		SPI_M_DATA1		UART0_OUT				SPI0_MISO
GPIOC_4					I2C1_SDA			SPI0_CS1
GPIOC_5					I2C1_SCL			
GPIOE_0	JTAG_TRST			UART0_OUT		I2C2_SCL		SPI0_CS0
GPIOE_1	JTAG_TDI			UART0_RTS		I2C2_SDA		SPI0_CLK
GPIOE_2	JTAG_TDO			UART0_CTS			I2C3_SCL	SPI0_MOSI
GPIOE_3	JTAG_TMS			UART0_IN			I2C3_SDA	SPI0_MISO
GPIOE_4	JTAG_CLK							SPI0_CS1

Debug console

I2C

SPI



Default Setup(PWM is used)

PIN name	I2S0	I2S1	PCM0	PCM1	PWM0	PWM1	PWM2	PWM3	GPIO
GPIOA_3									GPIO_P1_01
GPIOA_5									GPIO_P1_03
GPIOA_6									GPIO_P1_04
GPIOA_7									GPIO_P1_05
GPIOB_0									GPIO_P1_06
GPIOB_1									GPIO_P1_07
GPIOB_2									GPIO_P1_08
GPIOB_3									GPIO_P0_02
GPIOC_0		I2S1_WS		PCM1_SYNC	PWM0				GPIO_P1_10
GPIOC_1		I2S1_CLK		PCM1_CLK		PWM1			GPIO_P0_06
GPIOC_2		I2S1_SD_TX		PCM1_OUT	PWM		PWM2		GPIO_P1_11
GPIOC_3		I2S1_MCK		PCM1_IN				PWM3	GPIO_P0_07
GPIOC_4		I2S1_SD_RX							GPIO_P0_08
GPIOC_5	I2S0_SD_RX								GPIO_P0_09
GPIOE_0	I2S0_WS		PCM0_SYNC		PWM0				GPIO_P1_15
GPIOE_1	I2S0_CLK		PCM0_CLK			PWM1			GPIO_P0_21
GPIOE_2	I2S0_SD_TX		PCM0_OUT				PWM2		GPIO_P0_22
GPIOE_3	I2S0_MCK		PCM0_IN					PWM3	GPIO_P0_23
GPIOE_4									GPIO_P1_16
GPIOF_0									GPIO_P1_19
GPIOF_1									GPIO_P1_20
GPIOF_2									GPIO_P1_21
GPIOF_3									GPIO_P1_22
GPIOF_5									GPIO_P1_24

Thank you

