I/O	Air780EF PIN Name		Pad Name	paddr [7:2]	Powerup default	Alt Func0	Alt Func1	Alt Func2	Alt Func3	Alt Func4	Alt Func5	Alt Func6	Open CPU Ref	Notes
SWD (休眠掉 电)	LDO_CTL	97	SWCLK0	11	I&PU	SWCLKA				GPIO16			GPIO16	
	IO_SEL	100	SWDIO0	12	I&PU	SWDIOA				GPIO17			GPIO17	
	I2C_SCL	67	SWCLK1	13	I&PU	SWCLKC		I2C0_SCL	I2C1 SCL	GPIO18	PWM0	KPC R4	GPIO18	
	12C_SDA	66	SWDIO1	14	I&PU	SWDIOC		I2C0 SDA	I2C1 SDA	GPIO19	PWM1		GPIO19	
	USB_BOOT	82	GPIO0	15	I&PD	GPIO0							GPIO0	boot
电)	UART1_CTS/AU_OUT	22\5	GPIO1	16	NI&NP	GPIO1		UART1_DCDn	UART1 RTSn	PWM1n	PWM0	KPC R3	GPIO1	
	UART1_RTS	23	GPIO2	17	NI&NP	GPIO2		UART1_DTRn			PWM1	_	GPIO2	
	CAM_MCLK	54	GPIO3	18	NI&NP	GPIO3	USP1_MCLK			ONEW	PWM2		USP1 MCLK	CSPI_MCLK
	CAM_SPI_CLK	80	GPIO4	19	NI&NP	GPIO4	USP1_BCLK	_	UART1 RTSn	USIM1 URSTn			USP1 BCLK	CSPI BCLK
	CAM_PWDN	81	GPIO5	20	NI&NP	GPIO5	USP1_LRCK	_	_	USIM1 UCLK		_	GPIO5	CAM-PD
	CAM_SPI_D0	55	GPIO6	21	NI&NP	GPIO6	USP1_DIN	UART2_RXD	UART1_RTSn	USIM1_UIO		KPC_C3	USP1_DIN	CSPI_RX0
	CAM_SPI_D1	56	GPIO7	22	NI&NP	GPIO7	USP1_DOUT	UART2_TXD	UART1_CTSn			KPC_C2	USP1_DOUT	CSPI_RX1
	SPI_CS	83	GPIO8	23	NI&NP	GPIO8	SPI0_SSn0	I2C1_SDA	UART2_RTSn	UART0_RTSn			SPI0_SSn0	Flash
	SPI_MOSI	85	GPIO9	24	NI&NP	GPIO9	SPI0_MOSI	I2C1_SCL	UART2_CTSn	UART0_CTSn			SPI0_MOSI	Flash
	SPI_MISO	84	GPIO10	25	NI&NP	GPIO10	SPI0_MISO		UART2_RXD				SPI0_MISO	Flash
	SPI_SCLK	86	GPIO11	26	NI&NP	GPIO11	SPI0_SCLK	SPI1_SSn1	UART2_TXD				SPI0_SCLK	Flash
	AUX_RXD	28	GPIO12	27	NI&NP	GPIO12	SPI1_SSn0	UART1_RTSn	UART2_RXD	USIM1_UIO	UART3_RTSn	KPC_C1	KPC_C1	KPC-键盘阵列
	AUX_TXD	29	GPIO13	28	NI&NP	GPIO13	SPI1_MOSI	UART1_CTSn	UART2_TXD	USIM1_URSTn			KPC_C0	KPC-键盘阵列
	CAM_I2C_SDA	<b>58</b>	GPIO14	29	NI&NP	GPIO14	SPI1_MISO	I2C0_SDA	UART3_RXD	USIM1_UCLK	PWM0	KPC_C3	I2C0_SDA	Camera
	CAM_I2C_SCL	<b>57</b>	GPIO15	30	NI&NP	GPIO15	SPI1_SCLK	I2C0_SCL	UART3_TXD	USP2_MCLK	PWM1	KPC_C2	I2C0_SCL	Camera
	DBG_RXD	38	GPIO16	31	NI&NP	GPIO16	UART0_RXD	I2C0_SDA					UART0	Log
	DBG_TXD	39	GPIO17	32	NI&NP	GPIO17	UARTO_TXD	I2C0_SCL					UART0	Log
	MAIN_RXD	17	GPIO18	33	NI&NP	GPIO18	UART1_RXD						UART1_RXD	AT / SE
	MAIN_TXD	18	GPIO19	34	NI&NP	GPIO19	UART1_TXD						UART1_TXD	AT / SE
Audio (休眠掉 电)	I2S_BCK	30	GPIO29	35	NI&NP	GPIO29	USP0_BCLK				PWM0		GPIO29	Codec / I2S
	I2S_LRCK	31	GPIO30	36	NI&NP	GPIO30	USP0_LRCK				PWM1		GPIO30	Codec / I2S
	I2S_DIN	32	GPIO31	37	NI&NP	GPIO31	USP0_DIN			USP1_MCLK	PWM2		GPIO31	Codec / I2S
	I2S_DOUT	33	GPIO32	38	NI&NP	GPIO32	USP0_DOUT						GPIO32	Codec / I2S
	I2S_MCLK	26	GPIO33	39	NI&NP	GPIO33	USP0_MCLK				PWM4		GPIO33	Codec / I2S
(休眠掉电)	LCD_CLK	53	GPIO34	40	NI&NP	GPIO34	USP2_BCLK		UART3_RXD				USP2_BCLK	LSPI_DCX (CLK)
	LCD_CS	52	GPIO35	41	NI&NP	GPIO35	USP2_LRCK	_	UART3_TXD				USP2_LRCK	LSPI_CSX
		49\21	GPIO36	42	NI&NP	GPIO36	USP2_DIN		UART0_RTSn				USP2_DIN	
	LCD_DOUT	50	GPIO37	43	NI&NP	GPIO37	USP2_DOUT		UART0_CTSn				USP2_DOUT	LSP_SDA
	LCD_RS	51	GPIO38	44	NI&NP	GPIO38	USP2_MCLK	USP2_WRX					USP2_MCLK	LSP WRX
AON GPIO (休眠保 持)	AGPIOWU0	102	AGPIOWU0	45	NI&NP	GPIO20			PWM4n	FEM7		KPC_C2	_	KPC-键盘阵列
	AGPIOWU1	107	AGPIOWU1	46		GPIO21				FEM6		KPC_C3		KPC-键盘阵列
	MAIN_DTR	19	AGPIOWU2	47		GPIO22			PWM4n	FEM5		KPC_C4		1/D0 ht h h nt nt T.
	AGPIO3	99	AGPIO3	48		GPIO23			PWM1n	FEM4	PWM0	KPC_R4		KPC-键盘阵列
	MAIN_RI	20	AGPIO4	49		GPIO24			PWM0n	FEM3		KPC_R3		KPC-键盘阵列
	AGPIO5	106	AGPIO5	50	NI&NP	GPIO25			DIA/MO-	FEM2	PWM2	KPC_R2		KPC-键盘阵列
	STATUS NET STATUS	25 16	AGPIO6 AGPIO7	51	NI&NP	GPIO26			PWM2n	FEM1 FEM0		KPC_R1		KPC-键盘阵列 KPC-键盘阵列
	NET_STATUS LCD_TE	78	AGPIO8	52 53	NI&NP NI&NP	GPIO27 GPIO28			PWM4n		PWM4	KPC_R0	GPIO28	NFU-谜鱼阵列
	WAKEUP0		WAKEUP0	ეე	MAINE	WAKEUP0			F VV IVI4[]	ONEW			WAKEUP0	
AON	VBUS	101				WAKEUPU WAKEUP1							WAKEUPI	HER DET
(休眠保持)	USIM_DET	61 79	WAKEUP1 WAKEUP2			WAKEUP1							WAKEUP1 WAKEUP2	USB_DET
	The state of the s					PWRKEY							PWRKEY	USIM DET PWRKEY
	PWRKEY	7	PWRKEY			FWKKEY							FVVKKEY	T VV KKE Y

\* I&PU: input, pull-up; I&PD: input, pull-down; NI&NP: notinput, nopull 注意事项:

- 1 AONGPIO管脚休眠模式下可保持,保持高或低。
- 2 WAKEUP管脚只能作为输入中断,无法设置为输出
- WAKEUP管脚固定电平1.8V,由于内部分压,内部上拉电平测量在1.1V左右
- 4 WAKEUP管脚内部上下拉非常弱,驱动能力<30uA.
  - 系统休眠后外部只能通过WAKEUP管脚或者LPUART串口唤醒,AONGPIO虽然在休眠下不掉电,但是无法触发中断。
- 6 普通GPIO在休眠后均会处于高阻状态。

所有GPIO和wakeuppad都支持双边沿中断; 可以复用为wakeup的io,休眠以及唤醒状态下都能使用; 其余io唤醒状态下可用,休眠状态下不能使用; wakeup io可以唤醒休眠,其余GPIO都不可以。