Num	管脚功能名称	BGA	类型	描述	管脚服用							
					模式 0	模式 1	模式 2	模式 3	模式 4	模式 5	模式 6	模式 7
1	GND		GND	电源地								
2	MMC2_CLK	U9	O	MMC2 时钟，用于SDIO Wi-Fi, gpio1_30	gpmc_csn1	gpmc_clk	mmc1_clk	pr1_edio_data_in6	pr1_edio_data_out6	pr1_pru1_pru_r30_12	pr1_pru1_pru_r31_12	gpio1_30
3	MMC2_CMD	T13	O	MMC2 命令线, gpio2_0	gpmc_csn3	gpmc_a3	rmii2_crs_dv	mmc2_cmd	pr1_mii0_crs	pr1_mdio_data	EMU4	gpio2_0
4	MMC2_RST	U10	O	SDIO Wi-Fi复位, gpio0_22	gpmc_ad8	lcd_data23	mmc1_dat0	mmc2_dat4	ehrpw m2A	pr1_mii_mt0_clk		gpio0_22
5	MMC2_IRQ	T10	O	SDIO Wi-Fi中断请求, gpio0_23	gpmc_ad9	lcd_data22	mmc1_dat1	mmc2_dat5	ehrpw m2B	pr1_mii0_col		gpio0_23
6	PWM_REQ	T11	O	SDIO Wi-Fi PWM_REQ, gpio0_26	gpmc_ad10	lcd_data21	mmc1_dat2	mmc2_dat6	ehrpw m2_tripzone_input	pr1_mii0_txen		gpio0_26
7	SMPS_REQ	U12	O	SDIO Wi-Fi节能请求, gpio0_27	gpmc_ad11	lcd_data20	mmc1_dat3	mmc2_dat7	ehrpw m0_synco	pr1_mii0_txd3		gpio0_27
8	MMC2_DAT0	T12	I/O	MMC2数据线0，用于SDIO Wi-Fi, gpio1_12	gpmc_ad12	lcd_data19	mmc1_dat4	mmc2_dat0	eQEP2A_in	pr1_mii0_txd2	pr1_pru0_pru_r30_14	gpio1_12
9	MMC2_DAT1	R12	I/O	MMC2 数据线1，用于SDIO Wi-Fi, gpio1_13	gpmc_ad13	lcd_data18	mmc1_dat5	mmc2_dat1	eQEP2B_in	pr1_mii0_txd1	pr1_pru0_pru_r30_15	gpio1_13
10	MMC2_DAT2	V13	I/O	MMC2数据线2，用于SDIO Wi-Fi, gpio1_14	gpmc_ad14	lcd_data17	mmc1_dat6	mmc2_dat2	eQEP2_index	pr1_mii0_txd0	pr1_pru0_pru_r31_14	gpio1_14
11	MMC2_DAT3	U13	I/O	MMC2数据线3，用于SDIO Wi-Fi, gpio1_15	gpmc_ad15	lcd_data16	mmc1_dat7	mmc2_dat3	eQEP2_strobe	pr1_ecap0_ecap_capin_apw m_o	pr1_pru0_pru_r31_15	gpio1_15
12	GND		G	电源地								
13	MDIO_CLK	M18	O	MDIO 时钟	mdio_clk	timer5	uart5_txd	uart3_rtsn	mmc0_sdw p	mmc1_clk	mmc2_clk	gpio0_1
14	MDIO_DATA	M17	I/O	MDIO 数据	mdio_data	timer6	uart5_rxd	uart3_ctsn	mmc0_sdcd	mmc1_cmd	mmc2_cmd	gpio0_0
15	GMII2_TXEN	R13	O	GMII2 发送使能	gpmc_a0	gmii2_txen	rgmii2_tctl	rmii2_txen	gpmc_a16	pr1_mii_mt1_clk	ehrpw m1_tripzone_inp	gpio1_16
16	GMII2_RXDV	V14	O	GMII2 接受数据有效	gpmc_a1	gmii2_rxdv	rgmii2_rctl	mmc2_dat0	gpmc_a17	pr1_mii1_txd3	ehrpw m0_synco	gpio1_17
17	GMII2_TXD3	U14	O	GMII2 传输数据位3	gpmc_a2	gmii2_txd3	rgmii2_td3	mmc2_dat1	gpmc_a18	pr1_mii1_txd2	ehrpw m1A	gpio1_18
18	GMII2_TXD2	T14	O	GMII2 传输数据位2	gpmc_a3	gmii2_txd2	rgmii2_td2	mmc2_dat2	gpmc_a19	pr1_mii1_txd1	ehrpw m1B	gpio1_19
19	GMII2_TXD1	R14	O	GMII2 传输数据位1	gpmc_a4	gmii2_txd1	rgmii2_td1	rmii2_txd1	gpmc_a20	pr1_mii1_txd0	eQEP1A_in	gpio1_20
20	GMII2_TXD0	V15	O	GMII2 传输数据位0	gpmc_a5	gmii2_txd0	rgmii2_td0	rmii2_txd0	gpmc_a21	pr1_mii1_rxd3	eQEP1B_in	gpio1_21
21	GMII2_TXCLK	U15	I	GMII2 传输时钟	gpmc_a6	gmii2_txclk	rgmii2_tclk	mmc2_dat4	gpmc_a22	pr1_mii1_rxd2	eQEP1_index	gpio1_22
22	GMII2_RXCLK	T15	I	GMII2 接收时钟	gpmc_a7	gmii2_rxclk	rgmii2_rclk	mmc2_dat5	gpmc_a23	pr1_mii1_rxd1	eQEP1_strobe	gpio1_23
23	GMII2_RXD3	V16	I	GMII2 接收数据位3	gpmc_a8	gmii2_rxd3	rgmii2_rd3	mmc2_dat6	gpmc_a24	pr1_mii1_rxd0	mcasp0_aclkx	gpio1_24
24	GMII2_RXD2	U16	I	GMII2 接收数据位2	gpmc_a9	gmii2_rxd2	gmii2_rd2	mmc2_dat7 / rmii2_crs_dv	gpmc_a25	pr1_mii_mr1_clk	mcasp0_fsx	gpio1_25
25	GMII2_RXD1	T16	I	GMII2 接收数据位1	gpmc_a10	gmii2_rxd1	rgmii2_rd1	rmii2_rxd1	gpmc_a26	pr1_mii1_rxdv	mcasp0_axr0	gpio1_26
26	GMII2_RXD0	V17	I	GMII2 接收数据位0	gpmc_a11	gmii2_rxd0	rgmii2_rd0	rmii2_rxd0	gpmc_a27	pr1_mii1_rxer	mcasp0_axr1	gpio1_27
27	USB0_DRVVBUS	F16	O	USB0 VBUS 输出控制，高有效	USB0_DRVVBUS							gpio0_18
28	USB0_VBUS	P15	A	USB0 VBUS 发觉输入	USB0_VBUS							
29	USB0_CE	M15	A	不需要连接	USB0_CE							
30	USB0_ID	P16	A	USB0 OTG ID	USB0_ID							
31	GND		GND	电源地								
32	USB0_DP	N17	DIFF	USB0 差分正	USB0_DP							
33	USB0_DM	N18	DIFF	USB0 差分负	USB0_DM							
34	GND		GND	电源地								
35	USB1_DP	R17	DIFF	USB1 差分正	USB1_DP							
36	USB1_DM	R18	DIFF	USB1 差分负	USB1_DM							
37	GND		GND	电源地								
38	USB1_ID	P17	A	USB1 ID	USB1_ID							
39	USB1_DRV	F15	O	USB1 VBUS 输出控制，高有效	USB1_DRVVBUS							gpio3_13
40	USB1_VBUS	T18	A	USB1 VBUS 发觉输入	USB1_VBUS							
41	RESETN	B15	I	系统复位，低有效	PWRONRSTn							
42	RTC_RST	B5	I	RTC复位，低有效	RTC_PORz							
43	WDT		I	手动复位输入								
44	PWR_BUT		I	电源管理按键输入								
45	VDD_5V		PWR	5V核心板电源输入								
46	VDD_5V		PWR	5V核心板电源输入								
47	GND		GND	电源地								
48	VDD_3.3VB		PWR	3.3V IO电平输出								
49	VDD18_RTC		PWR	RTC电池								
50	GND		GND	电源地								
51	MMC0_CLK	G17	O	MMC0 时钟	mmc0_clk	gpmc_a24	uart3_ctsn	uart2_rxd	dcan1_tx	pr1_pru0_pru_r30_12	pr1_pru0_pru_r31_12	gpio2_30
52	MMC0_CMD	G18	O	MMC0 命令	mmc0_cmd	gpmc_a25	uart3_rtsn	uart2_txd	dcan1_rx	pr1_pru0_pru_r30_13	pr1_pru0_pru_r31_13	gpio2_31
53	MMC0_DAT0	G16	IO	MMC0 数据0,	mmc0_dat0	gpmc_a23	uart5_rtsn	uart3_txd	uart1_rin	pr1_pru0_pru_r30_11	pr1_pru0_pru_r31_11	gpio2_29
54	MMC0_DAT1	G15	IO	MMC0 数据1	mmc0_dat1	gpmc_a22	uart5_ctsn	uart3_rxd	uart1_dtrn	pr1_pru0_pru_r30_10	pr1_pru0_pru_r31_10	gpio2_28
55	MMC0_DAT2	F18	IO	MMC0 数据2	mmc0_dat2	gpmc_a21	uart4_rtsn	timer6	uart1_dsrn	pr1_pru0_pru_r30_9	pr1_pru0_pru_r31_9	gpio2_27
56	MMC0_DAT3	F17	IO	MMC0 数据3	mmc0_dat3	gpmc_a20	uart4_ctsn	timer5	uart1_dcdn	pr1_pru0_pru_r30_8	pr1_pru0_pru_r31_8	gpio2_26
57	MCASP0_AHCLKX	A14	O	McASP/I2S主时钟	mcasp0_ahclkx	eQEP0_strobe	mcasp0_axr3	mcasp1_axr1	EMU4	pr1_pru0_pru_r30_7	pr1_pru0_pru_r31_7	gpio3_21
58	I2C0_SCL	C16	O	I2C0 时钟, gpio3_6	I2C0_SCL	timer7	uart2_rtsn	eCAP1_in_PWM1_out				gpio3_6
59	I2C0_SDA	C17	IO	I2C0 数据, gpio3_5	I2C0_SDA	timer4	uart2_ctsn	eCAP2_in_PWM2_out				gpio3_5
60	LEDA		I	WLED 驱动器管脚，如不使用，请保持不连接								
61	LEDK1		I	WLED 驱动器管脚，如不使用，请保持不连接								
62	LEDK2		I	WLED 驱动器管脚，如不使用，请保持不连接								
63	GND		GND	电源地								
64	RGMII1_TRP0		DIFF	以太网数据0差分正								
65	RGMII1_TRN0		DIFF	以太网数据0差分负								
66	RGMII1_TRP1		DIFF	以太网数据1差分正								
67	RGMII1_TRN1		DIFF	以太网数据1差分负								
68	GND		GND	电源地								
69	RGMII1_TRP2		DIFF	以太网数据2差分正								
70	RGMII1_TRN2		DIFF	以太网数据2差分负								
71	RGMII1_TRP3		DIFF	以太网数据3差分正								
72	RGMII1_TRN3		DIFF	以太网数据3差分负								
73	GND		GND	电源地								
74	RGMII1_LINK		O	千兆以太网连接指示灯								
75	RGMII1_ACT		O	以太网状态运行指示灯								
76	RGMII1_OPT		O	百兆以太网状态状态指示灯								
77	GND		GND	电源地								
78	DCAN0_TX	D18	O	用户LED1，gpio0_12	uart1_ctsn	timer6	dcan0_tx	I2C2_SDA	spi1_cs0	pr1_uart0_cts_n	pr1_edc_latch0_in	gpio0_12
79	DCAN0_RX	D17	O	用户LED2，gpio0_13	uart1_rtsn	timer5	dcan0_rx	I2C2_SCL	spi1_cs1	pr1_uart0_rts_n	pr1_edc_latch1_in	gpio0_13
80	UART0_TX	E16	O	调试串口发送	uart0_txd	spi1_cs1	dcan0_rx	I2C2_SCL	eCAP1_in_PWM1_out	pr1_pru1_pru_r30_15	pr1_pru1_pru_r31_15	gpio1_11
81	UART0_RX	E15	I	调试串口接收	uart0_rxd	spi1_cs0	dcan0_tx	I2C2_SDA	eCAP2_in_PWM2_out	pr1_pru1_pru_r30_14	pr1_pru1_pru_r31_14	gpio1_10
82	UART1_TX	D15	O	UART 1 发送	uart1_txd	mmc2_sdw p	dcan1_rx	I2C1_SCL		pr1_uart0_txd	pr1_pru0_pru_r31_16	gpio0_15
83	UART1_RX	D16	I	UART 1 接收	uart1_rxd	mmc1_sdw p	dcan1_tx	I2C1_SDA		pr1_uart0_rxd	pr1_pru1_pru_r31_16	gpio0_14
84	UART2_TX	J15	O	UART 2 发送，用于RS485	gmii1_rxerr	rmii1_rxerr	spi1_d1	I2C1_SCL	mcasp1_fsx	uart5_rtsn	uart2_txd	gpio3_2
85	UART2_RX	H17	I	UART 2 接收，用于RS485	gmii1_crs	rmii1_crs_dv	spi1_d0	I2C1_SDA	mcasp1_aclkx	uart5_ctsn	uart2_rxd	gpio3_1
86	GND		GND	电源地								
87	UART3_TX	C18	O	蜂鸣器PWM控制	eCAP0_in_PWM0_out	uart3_txd	spi1_cs1	pr1_ecap0_ecap_capin_apw m_o	spi1_sclk	mmc0_sdw p	xdma_event_intr2	gpio0_7
88	UART3_RX	C15	I	触摸屏中断	spi0_cs1	uart3_rxd	eCAP1_in_PWM1_out	mmc0_pow	xdma_event_intr2	mmc0_sdcd	EMU4	gpio0_6
89	UART4_TX	E17	O	UART 4发送/CAN 接收	uart0_rtsn	uart4_txd	dcan1_rx	I2C1_SCL	spi1_d1	spi1_cs0	pr1_edc_sync1_out	gpio1_9
90	UART4_RX	E18	I	UART 4 接收/ CAN 发送	uart0_ctsn	uart4_rxd	dcan1_tx	I2C1_SDA	spi1_d0	timer7	pr1_edc_sync0_out	gpio1_8
91	UART5_TX	H18	I	用户按钮2	rmii1_refclk	xdma_event_intr2	spi1_cs0	uart5_txd	mcasp1_axr3	mmc0_pow	mcasp1_ahclkx	gpio0_29
92	UART5_RX	H16	I	用户按钮1	gmii1_col	rmii2_refclk	spi1_sclk	uart5_rxd	mcasp1_axr2	mmc2_dat3	mcasp0_axr2	gpio3_0
93	GND		GND	电源地								
94	JTAG_TRSTn	B10	O	JTAG 复位	nTRST							
95	JTAG_TMS	C11	O	JTAG 模式选择	TMS							
96	JTAG_TDI	B11	I	JTAG 输入	TDI							
97	JTAG_TCK	A12	I	JTAG时钟	TCK							
98	JTAG_TDO	A11	O	JTAG输出	TDO							
99	VDD_ADC		PWR	ADC 电压								
100	AIN0	B6	A	模拟输入输出0，用于触摸屏	AIN0							
101	AIN1	C7	A	模拟输入输出1，用于触摸屏	AIN1							
102	AIN2	B7	A	模拟输入输出2，用于触摸屏	AIN2							
103	AIN3	A7	A	模拟输入输出3，用于触摸屏	AIN3							
104	AIN4	C8	A	模拟输入输出4，用于触摸屏	AIN4							
105	AIN5	B8	A	模拟输入输出5	AIN5							
106	AIN6	A8	A	模拟输入输出6	AIN6							
107	AIN7	C9	A	模拟输入输出7	AIN7							
108	GND		GND	电源地								
109	EVENT_INTR0	A15	O	LCD显示使能	xdma_event_intr0		timer4	clkout1	spi1_cs1	pr1_pru1_pru_r31_16	EMU2	gpio0_19
110	EVENT_INTR1	D14	I	网络中断	xdma_event_intr1		tclkin	clkout2	timer7	pr1_pru0_pru_r31_16	EMU3	gpio0_20
111	GND		GND	电源地								
112	I2C1_SCL	A16	O	I2C1时钟线	spi0_cs0	mmc2_sdw p	I2C1_SCL	ehrpw m0_synci	pr1_uart0_txd	pr1_edio_data_in1	pr1_edio_data_out1	gpio0_5
113	I2C1_SDA	B16	IO	I2C1数据线	spi0_d1	mmc1_sdw p	I2C1_SDA	ehrpw m0_tripzone_input	pr1_uart0_rxd	pr1_edio_data_in0	pr1_edio_data_out0	gpio0_4
114	PWM1	A17	O	LCD背光, gpio0_2	spi0_sclk	uart2_rxd	I2C2_SDA	ehrpw m0A	pr1_uart0_cts_n	pr1_edio_sof	EMU2	gpio0_2
115	PWM2	B17	O	PWM LED	spi0_d0	uart2_txd	I2C2_SCL	ehrpw m0B	pr1_uart0_rts_n	pr1_edio_latch_in	EMU3	gpio0_3
116	GND	GND	GND	电源地								
117	MCASP0_ACLKX	A13	O	McASP0 / I2S 传输位时钟	mcasp0_aclkx	ehrpw m0A		spi1_sclk	mmc0_sdcd	pr1_pru0_pru_r30_0	pr1_pru0_pru_r31_0	gpio3_14
118	MCASP0_FSX	B13	O	McASP0 / I2S 帧时钟	mcasp0_fsx	ehrpw m0B		spi1_d0	mmc1_sdcd	pr1_pru0_pru_r30_1	pr1_pru0_pru_r31_1	gpio3_15
119	GPIO3_16	D12	O	gpio3_16用于触摸屏复位	mcasp0_axr0	ehrpw m0_tripzone_input		spi1_d1	mmc2_sdcd	pr1_pru0_pru_r30_2	pr1_pru0_pru_r31_2	gpio3_16
120	MCASP0_AHCLKR	C12	IO	McASP0 接收主时钟 / I2S 数据接收	mcasp0_ahclkr	ehrpw m0_synci	mcasp0_axr2	spi1_cs0	eCAP2_in_PWM2_out	pr1_pru0_pru_r30_3	pr1_pru0_pru_r31_3	gpio3_17
121	USER_LED1	B12	O	核心板LED，gpio3_18	mcasp0_aclkr	eQEP0A_in	mcasp0_axr2	mcasp1_aclkx	mmc0_sdw p	pr1_pru0_pru_r30_4	pr1_pru0_pru_r31_4	gpio3_18
122	GPIO3_19	C13	I	gpio3_19，用于TF卡插入检测，gpio3_19	mcasp0_fsr	eQEP0B_in	mcasp0_axr3	mcasp1_fsx	EMU2	pr1_pru0_pru_r30_5	pr1_pru0_pru_r31_5	gpio3_19
123	MCASP0_AXR1	D13	IO	McASP0 串行数据先 / I2S 数据发送	mcasp0_axr1	eQEP0_index		mcasp1_axr0	EMU3	pr1_pru0_pru_r30_6	pr1_pru0_pru_r31_6	gpio3_20
124	LCD_DATA0	R1	IO	LCD接口数据0	lcd_data0	gpmc_a0	pr1_mii_mt0_clk	ehrpw m2A		pr1_pru1_pru_r30_0	pr1_pru1_pru_r31_0	gpio2_6
125	LCD_DATA1	R2	IO	LCD接口数据1	lcd_data1	gpmc_a1	pr1_mii0_txen	ehrpw m2B		pr1_pru1_pru_r30_1	pr1_pru1_pru_r31_1	gpio2_7
126	LCD_DATA2	R3	IO	LCD接口数据2	lcd_data2	gpmc_a2	pr1_mii0_txd3	ehrpw m2_tripzone_input		pr1_pru1_pru_r30_2	pr1_pru1_pru_r31_2	gpio2_8
127	LCD_DATA3	R4	IO	LCD接口数据3 / 引导模式配置管脚	lcd_data3	gpmc_a3	pr1_mii0_txd2	ehrpw m0_synco		pr1_pru1_pru_r30_3	pr1_pru1_pru_r31_3	gpio2_9
128	LCD_DATA4	T1	IO	LCD接口数据4	lcd_data4	gpmc_a4	pr1_mii0_txd1	eQEP2A_in		pr1_pru1_pru_r30_4	pr1_pru1_pru_r31_4	gpio2_10
129	LCD_DATA5	T2	IO	LCD接口数据5	lcd_data5	gpmc_a5	pr1_mii0_txd0	eQEP2B_in		pr1_pru1_pru_r30_5	pr1_pru1_pru_r31_5	gpio2_11
130	LCD_DATA6	T3	IO	LCD接口数据6	lcd_data6	gpmc_a6	pr1_edio_data_in6	eQEP2_index	pr1_edio_data_out6	pr1_pru1_pru_r30_6	pr1_pru1_pru_r31_6	gpio2_12
131	LCD_DATA7	T4	IO	LCD接口数据7	lcd_data7	gpmc_a7	pr1_edio_data_in7	eQEP2_strobe	pr1_edio_data_out7	pr1_pru1_pru_r30_7	pr1_pru1_pru_r31_7	gpio2_13
132	GND		GND	电源地								
133	LCD_DATA8	U1	IO	LCD接口数据8	lcd_data8	gpmc_a12	ehrpw m1_tripzone_input	mcasp0_aclkx	uart5_txd	pr1_mii0_rxd3	uart2_ctsn	gpio2_14
134	LCD_DATA9	U2	IO	LCD接口数据9	lcd_data9	gpmc_a13	ehrpw m0_synco	mcasp0_fsx	uart5_rxd	pr1_mii0_rxd2	uart2_rtsn	gpio2_15
135	LCD_DATA10	U3	IO	LCD接口数据10,	lcd_data10	gpmc_a14	ehrpw m1A		mcasp0_axr0	pr1_mii0_rxd1	uart3_ctsn	gpio2_16
136	LCD_DATA11	U4	IO	LCD接口数据11	lcd_data11	gpmc_a15	ehrpw m1B	mcasp0_ahclkr	mcasp0_axr2	pr1_mii0_rxd0	uart3_rtsn	gpio2_17
137	LCD_DATA12	V2	IO	LCD接口数据12	lcd_data12	gpmc_a16	eQEP1A_in	mcasp0_aclkr	mcasp0_axr2	pr1_mii0_rxlink	uart4_ctsn	gpio0_8
138	LCD_DATA13	V3	IO	LCD接口数据13	lcd_data13	gpmc_a17	eQEP1B_in	mcasp0_fsr	mcasp0_axr3	pr1_mii0_rxer	uart4_rtsn	gpio0_9
139	LCD_DATA14	V4	IO	LCD接口数据14	lcd_data14	gpmc_a18	eQEP1_index	mcasp0_axr1	uart5_rxd	pr1_mii_mr0_clk	uart5_ctsn	gpio0_10
140	LCD_DATA15	T5	IO	LCD接口数据15	lcd_data15	gpmc_a19	eQEP1_strobe	mcasp0_ahclkx	mcasp0_axr3	pr1_mii0_rxdv	uart5_rtsn	gpio0_11
141	GND		GND	电源地								
142	LCDPCLK	V5	O	LCD 控制器像素时钟	lcd_pclk	gpmc_a10	pr1_mii0_crs	pr1_edio_data_in4	pr1_edio_data_out4	pr1_pru1_pru_r30_10	pr1_pru1_pru_r31_10	gpio2_24
143	LCDVSYNC	U5	O	LCD 场同步信号	lcd_vsync	gpmc_a8	gpmc_a1	pr1_edio_data_in2	pr1_edio_data_out2	pr1_pru1_pru_r30_8	pr1_pru1_pru_r31_8	gpio2_22
144	LCDVHYNC	R5	O	LCD 行同步	lcd_hsync	gpmc_a9	gpmc_a2	pr1_edio_data_in3	pr1_edio_data_out3	pr1_pru1_pru_r30_9	pr1_pru1_pru_r31_9	gpio2_23
145	LCDDE	R6	O	LCD 数据使能	lcd_ac_bias_en	gpmc_a11	pr1_mii1_crs	pr1_edio_data_in5	pr1_edio_data_out5	pr1_pru1_pru_r30_11	pr1_pru1_pru_r31_11	gpio2_25
146	GND			电源地								