

HaaS 600 模组引脚复用

模组引脚 编号	引脚丝印	主要功能	*1 复用功能 1	复用功能 2	复用功能 3	power Domain	*2Default State
1	SPI_CLK	SPI_CLK	GPIO[33]			1.8v	IN/PU
2	SPI_RXD	SPI_RXD	GPIO[35]	UART3_RXD		1.8v	IN/PU
3	SPI_TXD	SPI_TXD	GPIO[36]	UART3_TXD		1.8v	IN/PU
4	SPI_CS	SPI_CS	GPIO[34]			1.8v	IN/PU
5	USIM_CLK	USIM_CLK				1.8/3v	\
6	USIM_DATA	USIM_DATA				1.8/3v	\
7	USIM_RST	USIM_RST				1.8/3v	\
8	USIM_VDD	USIM_VDD				1.8/3v	
9	USIM_DET	USIM_DET	GPIO[85]			1.8v	IN/PD
10	CAM_MCLK	CAM_MCLK	GPIO[71]			1.8v	IN/PD
11	CAM_I2C_SCL	CAM_I2C_SCL	GPIO[72]			1.8v	IN/PU
12	CAM_I2C_SDA	CAM_I2C_SDA	GPIO[73]			1.8v	IN/PU
13	CAM_SPI_CLK	CAM_SPI_CLK	GPIO[74]			1.8v	IN/PD
14	CAM_SPI_DATA0	CAM_SPI_DATA 0	GPIO[78]			1.8v	IN/PD
15	CAM_SPI_DATA1	CAM_SPI_DATA 1	GPIO[77]			1.8v	IN/PD

16	CAM_PWDN1	CAM_PWDN1	GPIO[81]			1.8/2.8V	IN/PD
17	CAM_VDD	CAM_VDD				2.8v	
19	ADC0	ADC0				0~ 1.3V	
20	RESERVED	RESERVED				0~ 1.3V	
21	SPK_N	SPK_N					
22	SPK_P	SPK_P					
23	MIC_N	MIC_N					
24	MIC_P	MIC_P					
25	MIC_BIAS	MIC_BIAS					
26	USB_DP	USB_DP					
27	USB_DM	USB_DM					
28	USB_VBUS	USB_VBUS					
31	MAIN_RXD	MAIN_RXD	GPIO[51]			1.8v	IN/PU
32	MAIN_TXD	MAIN_TXD	GPIO[52]			1.8v	IN/PU
33	MAIN_CTS	MAIN_CTS	GPIO[54]	UART3_TXD		1.8v	IN/PU
34	MAIN_RTS	MAIN_RTS	GPIO[53]	UART3_RXD		1.8v	IN/PU
39	MAIN_DTR	MAIN_DTR	GPIO[121]			1.8v	IN/PU
40	MAIN_RI	MAIN_RI	GPIO[122]			1.8v	OUT,H
48	MAIN_DCD	GPIO[2]	MK_IN_1			1.8v	IN/PD
29	VBAT_BB	VBAT_BB				3.4~4.5V	
36	VBAT_RF	VBAT_RF				3.4~4.5V	
37	VBAT_RF	VBAT_RF				3.4~4.5V	
41	RESERVED	RESERVED				1.8v	IN/PD
42	RESERVED	RESERVED				1.8v	IN/PD
46	ANT_MAIN	ANT_MAIN					

49	WAKEUP_IN	GPIO[3]	MK_OUT_1			1.8v	IN/PD
50	AP_READY	GPIO[4]	MK_IN_2			1.8v	IN/PD
51	W_DISABLE#	GPIO[5]	MK_OUT_2			1.8v	IN/PD
52	NET_MODE	GPIO[6]	MK_IN_3	PWM3		1.8v	IN/PD
53	SLEEP_IND	GPIO[7]	MK_OUT_3	PWM4		1.8v	IN/PD
54	STATUS	GPIO[8]	MK_IN_4			1.8v	OUT,H
55	NET_STATUS/USB_BOOT	USB_BOOT	GPIO[9]	MK_OUT_4		1.8v	IN/PD
56	I2C_SDA	GPIO[11]	MK_OUT_5	PWM4	I2C_1_SDA	1.8v	IN/PU
57	I2C_SCL	GPIO[10]	MK_IN_5	PWM3	I2C_1_SCL	1.8v	IN/PU
58	PCM_SYNC	PCM_SYNC	GPIO[17]	SPI_2_CS		1.8v	IN/PD
59	PCM_DIN	PCM_DIN	GPIO[19]	SPI_2_TXD/SPI_2_MOSI		1.8v	IN/PD
60	PCM_DOUT	PCM_DOUT	GPIO[18]	SPI_2_RXD/SPI_2_MISO		1.8v	IN/PD
61	PCM_CLK	PCM_CLK	GPIO[16]	SPI_2_CLK		1.8v	IN/PD
62	LCD_TE	LCD_TE	GPIO[25]			1.8v	IN/PD
63	LCD_SPI_RS	LCD_SPI_RS	GPIO[21]			1.8v	IN/PD
64	LCD_SPI_RST	LCD_SPI_RST	GPIO[26]			1.8v	IN/PD
65	LCD_SPI_CS	LCD_SPI_CS	GPIO[22]			1.8v	IN/PD
66	LCD_SPI_DOUT	LCD_SPI_DOUT	GPIO[24]			1.8v	IN/PD
67	LCD_SPI_CLK	LCD_SPI_CLK	GPIO[20]			1.8v	IN/PD
68	CAM_VDDIO	CAM_VDDIO				1.8v	
69	GPIO1	DBG_CTS	GPIO[32]	PWM2		1.8v	OUT,H

70	GPIO2	DBG_RTS	GPIO[31]	PWM1		1.8v	IN/PU
71	DBG_TXD	DBG_TXD	GPIO[30]			1.8v	OUT,H
72	DBG_RXD	DBG_RXD	GPIO[29]			1.8v	IN/PU
74	PWRKEY	PWRKEY				3.4~4.5V	PU
75	RESET_N	RESET_N				1.8v	PU
76	VDD_EXT	VDD_EXT				1.8v	

注：

\*1：如果在轻应用中把引脚复用为 GPIO，则在 APP.json 中配置引脚时，port 值应为 GPIO 后方括号中的数值。例如：将模组 1 脚复用为 GPIO，port=33；

\*2：Default State 指模组管脚的上电默认状态，如果经过电平转换相关芯片后，状态需要看转换电路的特性。



