## 经到漏器器

## LQFP48管脚定义

表 4 LQFP 48管脚定义配置表

LQFP 48	Pin Name	Type	I/O Level	Main Function (after reset)	Default	Remap
1	VBAT	S	-	VBAT	- 0	_
2	PC13-TAMPERRTC	1/0	-	PC13	TAMPER-RTC	-
3	PC14-OSC32_IN	1/0	-	PC14	OSC32_IN	-
4	PC15-OSC32_OUT	I/0	-	PC15	OSC32_OUT	-
5	OSC_IN	I/0	-	OSC_IN	-	PD0
6	OSC_OUT	I/0	-	OSC_OUT	- ***	PD1
7	NRST	1/0	-	NRST	- // 🖎 🗸	/ \
8	VSSA	S	-	VSSA		-//\-
9	VDDA	S	-	VDDA	10 1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
10	PAO-WKUP	I/0	-	PAO	WKUP/USART2_CTS/ ADC12_INO/TIM2_CH1_ETR/ TIM5_CH1	-
11	PA1	I/0	-	PA1 2	USART2_RTS/ADC12_IN1/ TIM2_CH2/TIM5_CH2	-
12	PA2	1/0	-	PA2	USART2_TX/ADC12_IN2/ X TIM2_CH3/TIM5_CH3/	-
13	PA3	I/0	/	PA3 3	/USART2_RX/ADC12_IN3/ TIM2_CH4/TIM5_CH4/	-
14	PA4	I/0	/-	PA4	SPI1_NSS/USART2_CK/ DAC_OUT1/ADC12_IN4	_
15	PA5	I/0	<u>/_</u>	PA5	SPI1_SCK/ADC12_IN5/ DAC_OUT2	-
16	PA6	1/0		PA6	SPI1_MISO/ADC12_IN6/ T <u>IM3_CH1_</u>	TIM1_BKIN
17	PA7	I/0	-	PA7	SPI1_MOSI/ADC12_IN7/ TIM3_CH2	TIM1_CH1N
18	PB0	I/0		PBO /	ADC12_IN8/TIM3_CH3⊁	TIM1_CH2N
19	PB1	I/0	-	PB1/b	ADC12_IN9/TIM3_CH4′_	TIM1_CH3N
20	PB2	1/0	FT	PB2/B00T1	-	-
21	PB10	I/0	FT	PB10	I2C2_SCL/USART3_TX	TIM2_CH3
22	PB11	1/0	FT	PB11	I2C2_SDA/USART3_RX	TIM2_CH4
23	VSS_1	S	-	VSS_1	-	-
24	VDD_1	S	-	VDD_1	1/2	_
25	PB12	1/0	FT	PB12	PI2_NSS/I2C2_SMBA/ USART3_CK/TIM1_BKIN	-
26	PB13	1/0	FT	РВ13 В	SPI2_SCK/USART3_CTS/ TIM1 CH1N	-
27	PB14	1/0	FT	PB14 CE	V SPI2_MISO/USART3_RTS/ TIM1_CH2N_	-
28	PB15	1/0	FT	PB15 32	SP12_MOSI/TIM1_CH3N	
29	PA8	1/0	FT	WIN PAS	USART1 CK TIM1 CH1/	_
30	PA9	I/0	FT	PA9	SART1_TX/TIM1_CH2	-
31	PA10	I/0	FT	PA10	USART1_RX/TIM1_CH3	-

32	PA11	I/0	_	PA11	USART1_CTS/USBDM CAN_RX/TIM1_CH4	-
33	PA12	I/0	-	'PA12	USART1_RTS/USBDP/ CAN_TX/TIM1_ETR	-
34	PA13	I/0	FT	JTMS-SWDIO	-	PA13
35	VSS_2	S	-	VSS_2		_
36	VDD_2	S	-	VDD_2		-
37	PA14	1/0	FT	JTCK-SWCLK		PA14
38	PA15	I/0	FT	JTDI	SPI3_NSS	TIM2_CH1_ETR/PA15/ SPI1_NSS
39	PB3	I/0	FT	JTD0	SPI3_SCK	TIM2_CH2/PB3/ TRACESWO/SPI1_SCK
40	PB4	I/0	FT	NJTRST	SPI3_MISO	TIM3_CH1/PB4/ SPI1_MISO
41	PB5	I/0	-	PB5	I2C1_SMBA/ SPI3_MOSI	TIM3_CH2/SPI1_MOSI
42	PB6	I/0	FT	PB6	I2C1_SCL/TIM4_CH1	USART1_TX
43	PB7	I/0	FT	PB7	I2C1_SDA/TIM4_CH2	USART1 RX
44	ВООТО	I	-	ВООТО		<b>—</b>
45	PB8	I/0	FT	PB8	TIM4_CH3 X	I2C1_SCL/CAN_RX
46	PB9	I/0	FT	PB9 (1	TIM4_CH4	I2C1_SDA/CAN_TX
47	VSS_3	S	-	VSS_3		7 -
48	VDD_3	S	-	VDD_3		-

(1)FT = 5V容忍

## LQFP64管脚定义

表 5 LQFP 64管脚定义配置表

LQFP 64	Pin Name	Тур	I/O Level	Main Function (after reset)	Default	Remap
1	VBAT	S	< - `	VBAT	_	_
2	PC13- TAMPERRTC	I/0	-	PC13	TAMPER-RTC	-
3	PC14-OSC32_IN	I/0	-	PC14	OSC32_IN	PD0
4	PC15- OSC32_OUT	1/0	<b>?</b> -	PC15	OSC32_OUT	PD1
5	OSC_IN	1/0	-	OSC_IN		_
6	OSC_OUT	I/0	-	OSC_OUT	-	-
7	NRST	I/0	-	NRST	_	-
8	PC0	1/0	-	PC0	ADC123_IN10	-
9	PC1	I/0	-	PC1	ADC123_IN11	_
10	PC2	1/0	-	PC2	ADC123_IN12	
11	PC3	I/0	-	PC3	ADC123_IN13	and the same of th
12	VSSA	S	-	VSSA		_
13	VDDA	S	-	VDDA	- 1118	_
14	PAO-WKUP	1/0	-	PA0	WKUP/USART2_CTS/ ADC123_INO/TIM2_CH1_ETR / TIM5_CH1/TIM8_ETR	-
15	PA1	I/0	-	PA1	USART2_RTS/ADC123_IN1/ TIM2_CH2/TIM5_CH2	-
16	PA2	I/0	-	PA2	USART2_TX/ADC123_IN2/	-