

STM32F103C8T6 - pin definition
LQFP 48 pins

Pin No	Pin Name	Type	IO Level	Main Function	Alternate functions	
					Default	Remap
1	VBAT	S		VBAT		
2	PC13-TAMPER-RTC	I/O		PC13	TAMPER-RTC	
3	PC14-OSC32_IN	I/O		PC14	OSC32_IN	
4	PC15-OSC32_OUT	I/O		PC15	OSC32_OUT	
5	OSC_IN	I		OSC_IN		
6	OSC_OUT	O		OSC_OUT		
7	NRST	I/O		NRST		
8	VSSA	S		VSSA		
9	VDDA	S		VDDA		
10	PA0-WKUP	I/O		PA0	WKUP/USART2_CTS/ADC12_IN0/TIM2_CH1_ETR	
11	PA1	I/O		PA1	USART2_RTS/ADC12_IN1/TIM2_CH2	
12	PA2	I/O		PA2	USART2_TX/ADC12_IN2/TIM2_CH3	
13	PA3	I/O		PA3	USART2_RX/ADC12_IN3/TIM2_CH4	
14	PA4	I/O		PA4	SPI1_NSS/USART2_CK/ADC12_IN4	
15	PA5	I/O		PA5	SPI1_SCK/ADC12_IN5	
16	PA6	I/O		PA6	SPI1_MISO/ADC12_IN6/TIM3_CH1	TIM1_BKIN
17	PA7	I/O		PA7	SPI1_MOSI/ADC12_IN7/TIM3_CH2	TIM1_CH1N
18	PB0	I/O		PB0	ADC12_IN8/TIM3_CH3	TIM1_CH2N
19	PB1	I/O		PB1	ADC12_IN9/TIM3_CH4	TIM1_CH3N
20	PB2	I/O	FT	PB2/BOOT1		
21	PB10	I/O	FT	PB10	I2C2_SCL/USART3_TX	TIM2_CH3
22	PB11	I/O	FT	PB11	I2C2_SDA/USART3_RX	TIM2_CH4
23	VSS_1	S		VSS_1		
24	VDD_1	S		VDD_1		
25	PB12	I/O	FT	PB12	SPI2_NSS/I2C2_SMBAI/USART3_CK/TIM1_BKIN	
26	PB13	I/O	FT	PB13	SPI2_SCK/USART3_CTS/TIM1_CH1N	
27	PB14	I/O	FT	PB14	SPI2_MISO/USART3_RTS/TIM1_CH2N	
28	PB15	I/O	FT	PB15	SPI2_MOSI/TIM1_CH3N	
29	PA8	I/O	FT	PA8	USART1_CK/TIM1_CH1/MCO	
30	PA9	I/O	FT	PA9	USART1_TX/TIM1_CH2	
31	PA10	I/O	FT	PA10	USART1_RX/TIM1_CH3	
32	PA11	I/O	FT	PA11	USART1_CTS/USBDM/CAN_RX/TIM1_CH4	
33	PA12	I/O	FT	PA12	USART1_RTS/USBDP/CAN_TX/TIM1_ETR	
34	PA13	I/O	FT	JTMS/SWDIO		PA13
35	VSS_2	S		VSS_2		
36	VDD_2	S		VDD_2		
37	PA14	I/O	FT	JTCK/SWCLK		PA14
38	PA15	I/O	FT	JTDI		TIM2_CH1_ETR/PA15/SPI1_NSS
39	PB3	I/O	FT	JTDO		PB3/TRACESWO/TIM2_CH2/SPI1_SCK
40	PB4	I/O	FT	NJTRST		PB4/TIM3_CH1/SPI1_MISO
41	PB5	I/O		PB5	I2C1_SMBAI	TIM3_CH2/SPI1_MOSI
42	PB6	I/O	FT	PB6	I2C1_SCL/TIM4_CH1	USART1_TX
43	PB7	I/O	FT	PB7	I2C1_SDA/TIM4_CH2	USART1_RX
44	BOOT0	I		BOOT0		
45	PB8	I/O	FT	PB8	TIM4_CH3	I2C1_SCL/CAN_RX
46	PB9	I/O	FT	PB9	TIM4_CH4	I2C1_SDA/CAN_TX
47	VSS_3	S		VSS_3		
48	VDD_3	S		VDD_3		

Refer to datasheet - STM32F103C8

I = input, O = output, S = supply

FT = 5 V tolerant.