



Image may be representation.
See specifications for product details.



STM32F103C8T6

Manufacturer Part Number	STM32F103C8T6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F103C8T6
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 64KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32F103x(8,B) Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F103C8T6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F103C8T6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F103C8T6 Tech Specifications
STM32F103C8T6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Speed	72MHz	Number of I/O	37
Series	STM32F1	Mounting Type	Surface Mount
RAM Size	20K x 8	EEPROM Size	-
Program Memory Type	FLASH	Data Converters	A/D 10x12b
Program Memory Size	64KB (64K x 8)	Core Size	32-Bit Single-Core
Peripherals	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	Core Processor	ARM® Cortex®-M3
Package / Case	48-LQFP	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB
Package	Tray	Base Product Number	STM32F103

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F103C8T6

Product Attribute				
Part Number	STM32F103C8T6	STM32F103CBT7	STM32F103C4T6A	STM32F103C6T7A
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 10x12b
Number of I/O	37	37	26	37
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Package	Tray	Tray	Tray	Tray
Speed	72MHz	72MHz	72MHz	72MHz
Peripherals	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT
EEPROM Size	-	-	-	-
Base Product Number	STM32F103	STM32F103	STM32F103	STM32F103
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	64KB (64K x 8)	128KB (128K x 8)	16KB (16K x 8)	32KB (32K x 8)
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Package / Case	48-LQFP	48-LQFP	48-LQFP	48-LQFP
RAM Size	20K x 8	20K x 8	6K x 8	10K x 8
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Oscillator Type	Internal	Internal	Internal	Internal
Series	STM32F1	STM32F1	STM32F1	STM32F1

STM32F103C8T6 Datasheet PDF

Download STM32F103C8T6 pdf datasheets and STMicroelectronics documentation for STM32F103C8T6 - STMicroelectronics.

Datasheets

[STM32F103x\(8,B\) Datasheet.pdf](#)

PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

[Box Label Chg 28/Jul/2016.pdf](#)





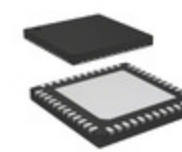
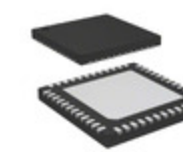





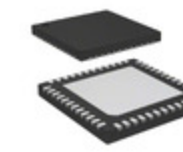






PCN Design/Specification

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

Customers Also Interested in

Recommended Products

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 STM32F103C8T6,32 STMicroelectronics	 STM32F102RBT6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	 STM32F103CBU6,32 STMicroelectronics	 STM32F103C8T6TR STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	 STM32F103C6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	 STM32F103CBU6 STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN
 STM32F103B6GK STMicroelectronics	 STM32F103C8T7 STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	 STM32F103CBT7TR STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	 STM32F103C6T6A STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	 STM32F103CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	 STM32F103C6T6ATR STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Contact us if you have any questions.

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Certifications & Memberships



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