



Image may be representation.  
See specifications for product details.



## STM32F103C6T6ATR

Manufacturer Part Number	<b>STM32F103C6T6ATR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F103C6T6ATR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 32KB FLASH 48LQFP
Package	48-LQFP
Data sheet	<b>STM32F103x4, STM32F103x6.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STM32F103C6T6ATR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F103C6T6ATR datasheet/specifications on AllelcoElec.com.  
Request a quote for STM32F103C6T6ATR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STM32F103C6T6ATR Tech Specifications  
STM32F103C6T6ATR - 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	10K x 8	EEPROM Size	-
Program Memory Type	FLASH	Data Converters	A/D 10x12b
Program Memory Size	32KB (32K 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 <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB
Package	Tape & Reel (TR)	Base Product Number	STM32F103

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F103C6T6ATR

Product Attribute				
Part Number	STM32F103C6T6ATR	STM32F103C8T7	STM32F103CBT7TR	STM32F103C6T7A
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	48-LQFP	48-LQFP	48-LQFP	48-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	10K x 8	20K x 8	20K x 8	10K x 8
Number of I/O	37	37	37	37
Series	STM32F1	STM32F1	STM32F1	STM32F1
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 10x12b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	32KB (32K x 8)	64KB (64K x 8)	128KB (128K x 8)	32KB (32K x 8)
Speed	72MHz	72MHz	72MHz	72MHz
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tray
Base Product Number	STM32F103	STM32F103	STM32F103	STM32F103
EEPROM Size	-	-	-	-
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
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

### STM32F103C6T6ATR Datasheet PDF

Download STM32F103C6T6ATR pdf datasheets and STMicroelectronics documentation for STM32F103C6T6ATR - STMicroelectronics.

#### PCN Packaging

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

#### PCN Design/Specification

[Mult Dev 03/Nov/2022.pdf](#)




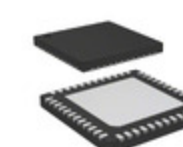

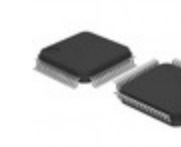
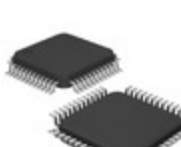








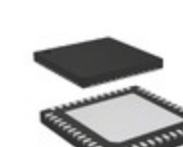


[LQFP 48 7x7 Products Increased Capacity 21/Dec/201.pdf](#)

#### PCN Assembly/Origin

HTML Datasheet

Customers Also Interested in

Recommended Products

 <b>STM32F103C8T7</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	 <b>STM32F103CBT7TR</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	 <b>STM32F103C6T7A</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	 <b>STM32F103CBU6</b> STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN	 <b>STM32F102RBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	 <b>STM32F102R8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP
 <b>STM32F103C4T6A</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 48LQFP	 <b>STM32F102RBT6TR</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	 <b>STM32F103CBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	 <b>STM32F103C8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	 <b>STM32F102RBT6,32</b> STMicroelectronics	 <b>STM32F103C8T6TR</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP
 <b>STM32F103B6GK</b> STMicroelectronics	 <b>STM32F103B6</b> STMicroelectronics	 <b>STM32F103CBT7</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	 <b>STM32F103C6U6A</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48QFN	 <b>STM32F103C6T6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	 <b>STM32F103C6T6A</b> 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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