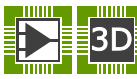





Image may be representation.  
See specifications for product details.



## STM32F103CBT7TR

Manufacturer Part Number	<a href="#">STM32F103CBT7TR</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STM32F103CBT7TR
ECAD Model	 <a href="#">PCB Symbol, Footprint &amp; 3D Model</a>
Parts Description	IC MCU 32BIT 128KB FLASH 48LQFP
Package	48-LQFP
Data sheet	<a href="#">STM32F103x(8,B) Datasheet.pdf</a>
RoHs Status	 <b>ROHS3 Compliant</b>

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STM32F103CBT7TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F103CBT7TR datasheet/specifications on AllelcoElec.com.  
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### Specifications

STM32F103CBT7TR Tech Specifications  
STM32F103CBT7TR - 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 ~ 105°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	37
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	20K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	48-LQFP	Base Product Number	STM32F103
Package	Tape & Reel (TR)		

### Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STM32F103CBT7TR

Product Attribute				
Part Number	STM32F103CBT7TR	<a href="#">STM32F103R6T6A</a>	<a href="#">STM32F103C6T7A</a>	<a href="#">STM32F103CBT6</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	STM32F103	STM32F103	STM32F103	STM32F103
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
Package / Case	48-LQFP	64-LQFP	48-LQFP	48-LQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	STM32F1	STM32F1	STM32F1	STM32F1
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	32KB (32K x 8)	32KB (32K x 8)	128KB (128K x 8)
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
Package	Tape & Reel (TR)	Tray	Tray	Tray
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
RAM Size	20K x 8	10K x 8	10K x 8	20K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	72MHz	72MHz	72MHz	72MHz
Number of I/O	37	51	37	37
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
EEPROM Size	-	-	-	-
Supplier Device Package	48-LQFP (7x7)	64-LQFP (10x10)	48-LQFP (7x7)	-
Data Converters	A/D 10x12b	A/D 16x12b	A/D 10x12b	A/D 10x12b
Oscillator Type	Internal	Internal	Internal	Internal

### STM32F103CBT7TR Datasheet PDF





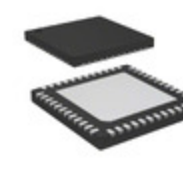
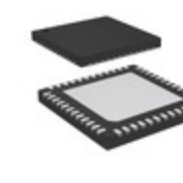




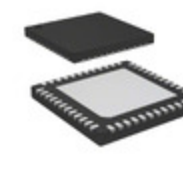



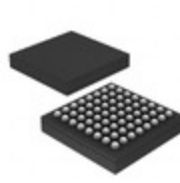



Download STM32F103CBT7TR pdf datasheets and STMicroelectronics documentation for STM32F103CBT7TR - STMicroelectronics.

#### Datasheets


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

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## Recommended Products

					
<b>STM32F103R6T6A</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 64LQFP	<b>STM32F103C6T7A</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	<b>STM32F103CBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	<b>STM32F103C6T6A</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	<b>STM32F103CBU6</b> STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN	<b>STM32F103CBU6TR</b> STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN
					
<b>STM32F103C8T7</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	<b>STM32F103C8T6,32</b> STMicroelectronics	<b>STM32F103C8T6TR</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	<b>STM32F103C8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	<b>STM32F103C6U6A</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48QFN	<b>STM32F103R6T6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 64LQFP
					
<b>STM32F103R6T6ATR</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 64LQFP	<b>STM32F103R6T7A</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 64LQFP	<b>STM32F103R4H6A</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 64BGA	<b>STM32F103CBT7</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	<b>STM32F103CBU6,32</b> STMicroelectronics	<b>STM32F103C6T6ATR</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

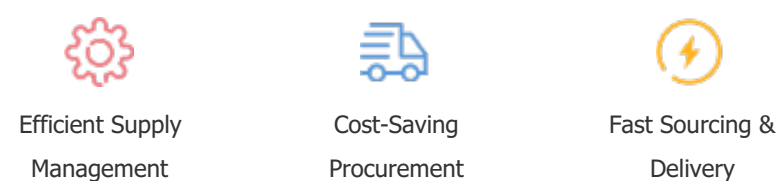
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

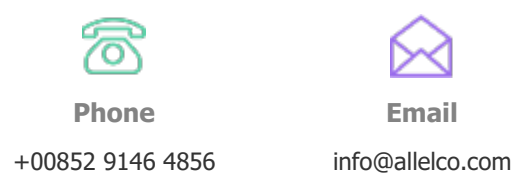
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



**Contact us if you have any questions.**



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