

Image may be representation.
See specifications for product details.



STM32F303CBT7

Manufacturer Part Number	STM32F303CBT7
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F303CBT7
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32F303CBT7.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32F303CBT7 Tech Specifications

STM32F303CBT7 - 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	STM32F3	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 15x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	DMA, I ² S, POR, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	48-LQFP	Base Product Number	STM32F303
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F303CBT7

Product Attribute				
Part Number	STM32F303CBT7	STM32F303CBT6TR	STM32F303RCT6TR	STM32F303R8T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F3	STM32F3	STM32F3	STM32F3
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Data Converters	A/D 15x12b; D/A 2x12b	A/D 15x12b; D/A 2x12b	A/D 22x12b; D/A 2x12b	A/D 15x12b; D/A 1x12b
Package / Case	48-LQFP	48-LQFP	64-LQFP	64-LQFP
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Number of I/O	37	37	52	51
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	64-LQFP (10x10)	64-LQFP (10x10)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT
Speed	72MHz	72MHz	72MHz	72MHz
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
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	256KB (256K x 8)	64KB (64K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
RAM Size	32K x 8	32K x 8	40K x 8	16K x 8
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	STM32F303	STM32F303	STM32F303	STM32F303
EEPROM Size	-	-	-	-

STM32F303CBT7 Datasheet PDF

Download STM32F303CBT7 pdf datasheets and STMicroelectronics documentation for STM32F303CBT7 - STMicroelectronics.

PCN Packaging

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

PCN Assembly/Origin

[STM8/STM32 10/Mar/2020.pdf](#)



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Customers Also Interested in

Recommended Products



STM32F303CBT6TR

STMicroelectronics
IC MCU 32BIT 128KB FLASH 48LQFP



STM32F303RCT6TR

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



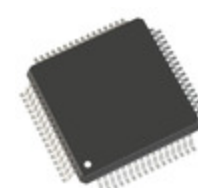
STM32F303R8T6

STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP



STM32F303K8T6

STMicroelectronics
IC MCU 32BIT 64KB FLASH 32LQFP



STM32F303RBT6

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32F302VDT6TR

STMicroelectronics
IC MCU 32BIT 384KB FLASH
100LQFP



STM32F303CCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 48LQFP



STM32F302ZET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH
144LQFP



STM32F303K6T6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 32LQFP



STM32F303CBT6

STMicroelectronics
IC MCU 32BIT 128KB FLASH 48LQFP



STM32F303C8T6

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IC MCU 32BIT 64KB FLASH 48LQFP



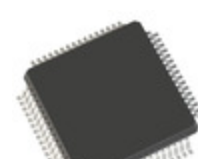
STM32F302VDT6

STMicroelectronics
IC MCU 32BIT 384KB FLASH
100LQFP



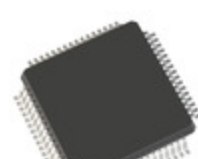
STM32F303RBT6TR

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32F303RBT7

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IC MCU 32BIT 128KB FLASH 64LQFP



STM32F303RCT6

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IC MCU 32BIT 256KB FLASH 64LQFP



STM32F302VCT6TR

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IC MCU 32BIT 256KB FLASH
100LQFP



STM32F302VET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP



STM32F302VCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH
100LQFP

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 -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



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Certifications & Memberships



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