



Image may be representation.  
See specifications for product details.



## STM32F373C8T6TR

Manufacturer Part Number	<b>STM32F373C8T6TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F373C8T6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 48LQFP
Package	48-LQFP
Data sheet	<b>STM32F373xx Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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### Specifications

STM32F373C8T6TR Tech Specifications  
STM32F373C8T6TR - 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)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	36
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F3	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 1x12b, 3x16b; D/A 3x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	DMA, I <sup>2</sup> S, POR, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	48-LQFP	Base Product Number	STM32F373
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F373C8T6TR

Product Attribute				
Part Number	STM32F373C8T6TR	STM32F373C8T6	STM32F334K4T6	STM32F334K8T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	72MHz	72MHz	72MHz	72MHz
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
EEPROM Size	-	-	-	-
Series	STM32F3	STM32F3	STM32F3	STM32F3
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	STM32F373	STM32F373	STM32F334	STM32F334
Data Converters	A/D 1x12b, 3x16b; D/A 3x12b	A/D 1x12b, 3x16b; D/A 3x12b	A/D 9x12b; D/A 3x12b	A/D 9x12b; D/A 3x12b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	16KB (16K x 8)	64KB (64K x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	32-LQFP (7x7)	32-LQFP (7x7)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Peripherals	DMA, I <sup>2</sup> S, POR, PWM, WDT	DMA, I <sup>2</sup> S, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
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	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
RAM Size	16K x 8	16K x 8	12K x 8	12K x 8
Number of I/O	36	36	25	25
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tray	Tray	Tray
Package / Case	48-LQFP	48-LQFP	32-LQFP	32-LQFP

### STM32F373C8T6TR Datasheet PDF

Download STM32F373C8T6TR pdf datasheets and STMicroelectronics documentation for STM32F373C8T6TR - STMicroelectronics.

#### PCN Packaging

2.73KHz.pdf

#### PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf



LQFP 48 7x7 Products Increased Capacity 21/Dec/201.pdf



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STM32F373xx Datasheet.pdf

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<b>STM32F373VCT6</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	<b>STM32F334R8T6TR</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	<b>STM32F373CCT7</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	<b>STM32F373CCT6</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	<b>STM32F383RCY6TR</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 66WLCSP	<b>STM32F334K8T7</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 32LQFP
<b>STM32F334K6T6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP	<b>STM32F373VCH6</b> STMicroelectronics IC MCU 32BIT 256KB FLSH 100UFBGA	<b>STM32F372R8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	<b>STM32F334K8T6TR</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 32LQFP	<b>STM32F373RBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	<b>STM32F373VBT6</b> STMicroelectronics IC MCU 32BIT 128KB 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
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Contact us if you have any questions.

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Certifications & Memberships



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