



STM32F301C8T6TR STMicroelectronics

The following is the introduction of high quality STM32F301C8T6TR STMicroelectronics, hoping to help you better understand STM32F301C8T6TR STMicroelectronics. STM32F301C8T6TR STMicroelectronics is a 32-bit MCU produced by STMicroelectronics that is widely used in consumer electronics, industrial products, medical devices, and more. Our company has many customers to use this chip, so we have prepared a lot of goods for a long time, are imported original spot, You can rest assured to buy product from XT-ShenZhen®. We look forward to cooperating with you, if

you want to know more, you can consult us now, we will reply to you in time!

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Product description

STM32F301C8T6TR STMicroelectronics chip built-in a 72MHz CPU, 1MB of memory, with motor control, USB, CAN, and other interfaces.

Microcontroller models that belong to the ST base type.

The STM32F301C8T6TR STMicroelectronics is a medium-density performance line with the ARM Cortex-M3 32-bit microcontroller. It combines a high-performance RISC core that operates at up to 72MHz, as well as high-speed embedded memory, an enhanced range of enhanced inputs/outputs, and external connectivity to two APB buses. Design 4 DVDs and 4 VSS to enhance the power supply capacity to ensure the reliability of the power supply.

The STM32F301C8T6TR STMicroelectronics features a 12-bit analog-to-digital converter, timer, PWM timer, standard, and advanced communication interface

The STM32F301C8T6TR STMicroelectronics GPIO has 8 modes, including pull-up and pull-down input modes, so the external button can not be designed with a pull-up pull-down resistor. The key KEY0 is connected to the 3.3V VCC at one end and the PA0 pin at the other end. One end of the LED0 is also connected to the 3.3V VCC through a 1KΩ resistor, and the other end is connected to pc13.

Product features

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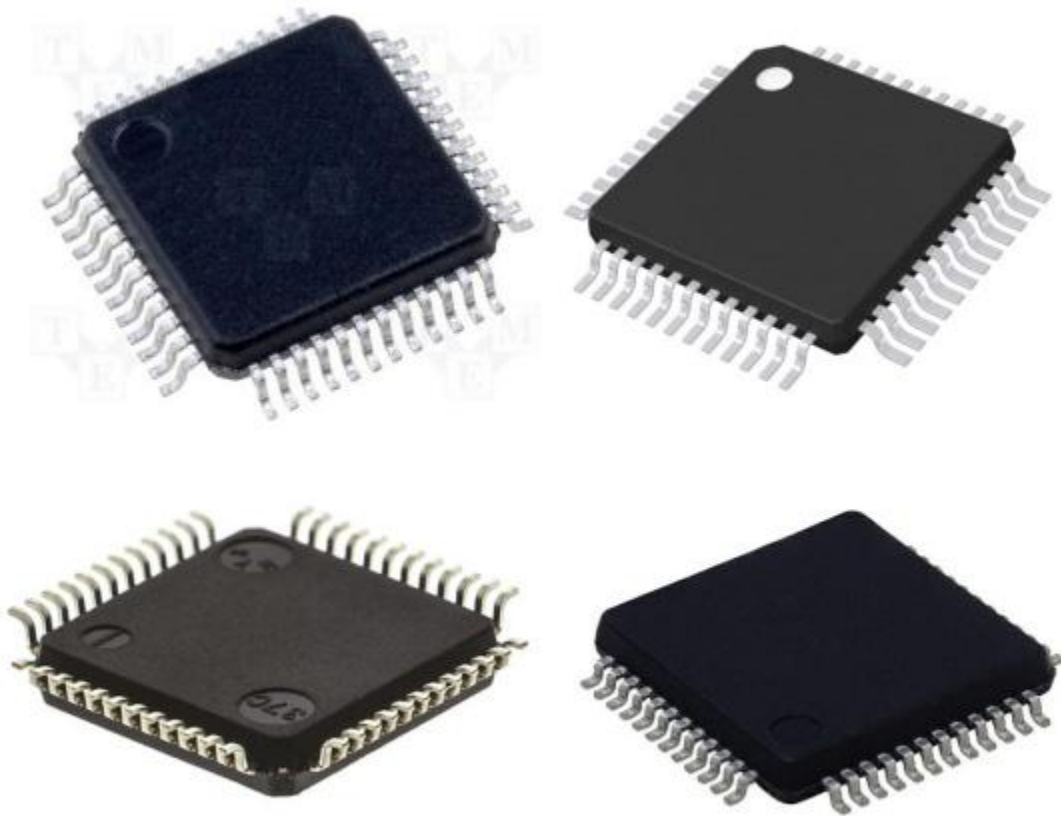
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- ARM 32-bit Cortex™M3 CPU (up to 72MHz operating frequency).
- High-performance memory
- Clock, reset and power management
- Low power consumption
- Two x 12-bit analog-to-digital converters with 1μs conversion time (up to 16 input channels)
- 7 channel DMA controller
- Up to 80 fast I/O ports
- Debug mode: Serial single-wire debug (SWD) and JTAG interface
- Up to 7 timers
- Up to 9 communication interfaces
- CRC calculation unit, 96-bit chip unique code
- ECOPACK® package

Product parameters

Product parameters	frequency	72MHz
	RAM size	16KB
	The number of pins	48
	Operating Temperature (Max)	85°C
	Operating Temperature (Min)	-40°C
	Dissipated Power (Max)	364mW
	Supply voltage (Max)	3.6V
	Supply voltage (Min)	2V
	encapsulation	LQFP
	Packaging	Tape & Reel (TR)

Product images



FAQ

Q: Are your shipments fast?

A: Yes, we have our own warehouse, and STM32F301C8T6TR STMicroelectronics are in stock. Same-day delivery can be achieved as soon as possible.

Q: Are you a trader or a manufacturer?

A: Yes, we are traders. Most of the products we sell are purchased directly from the factory.

Q: How long do you need to give me a quote?

A: On weekdays, after receiving your information, a quote will be sent to you within the same day