



STM32F103RCT6 STMicroelectronics

XT-ShenZhen is a professional China STM32F103RCT6 STMicroelectronics supplier. STM32F103RCT6 STMicroelectronics is a 32-bit microcontroller MCU developed and designed by STMicroelectronics (ST). The STM32F1 family of mainstream MCUs meets the needs of a wide range of applications in the industrial, medical, and consumer markets. With this product family, STMicroelectronics is leading the world in Arm Cortex-M core microcontrollers. Welcome new and old customers to continue to cooperate with XT-ShenZhen® to create a better future together! Every request from customers is being replied within 24 hours.

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Product description

The STM32F103RCT6 is a high-density performance line that contains a high-performance RISC core that runs at 72MHz, high-speed embedded memory, an enhanced range of enhanced inputs and outputs, and external connections to two APB buses.

The STM32F103RCT6 features a 12-bit analog-to-digital converter, timer, and PWM timer, and the product family features 16KB to 1MB Flash, multiple control peripherals, USB full-speed interface, and CAN. Use motor control. Standard and advanced communication interfaces and comprehensive power-saving modes allow designers to design low-power applications. It is one of the ultra-low-power MCUs with very large demand at present.

Product features

- . Operates over a voltage range of 2V to 3.6V
- . 256K bytes of flash memory
- . 48K bytes of SRAM
- . CRC Compute Unit, 96 is a unique ID
- . Three 12-bit, 1µs analog-to-digital converters (up to 16 channels) and two 12-bit, 92-channel digital-to-analog converters
- . Four general-purpose timers, two advanced control timers and two base timers

Shenzhen Zhen Rong Era Supply Chain Management Co., Ltd.

Tel:+86-755-83240078

E-mail:jack-sellandbuycomponents@xt-shenzhen.cn

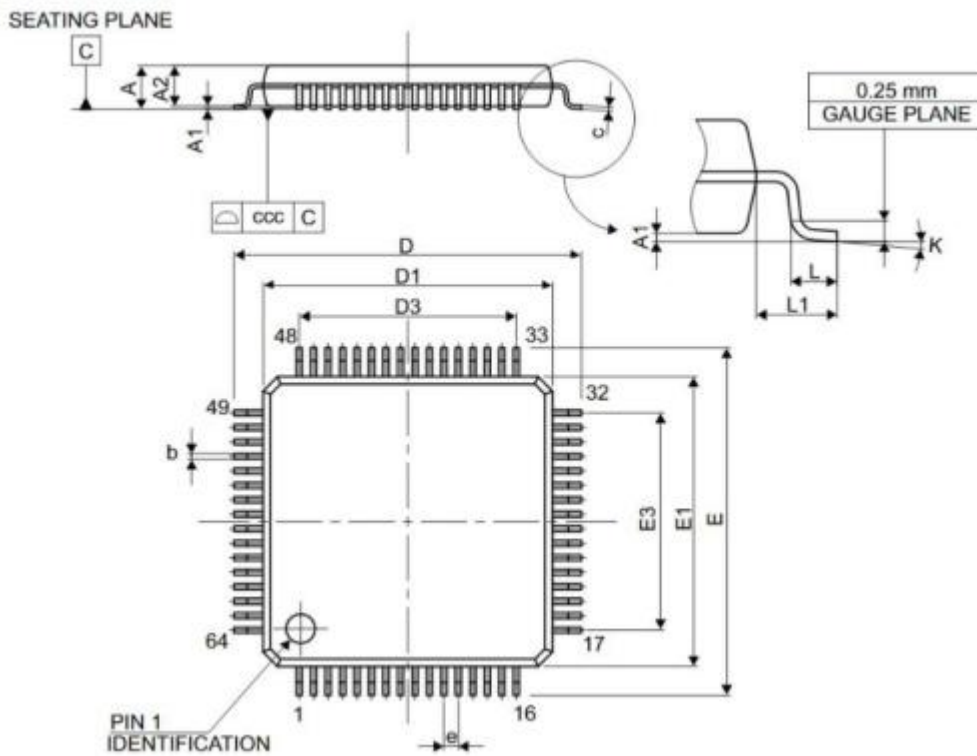
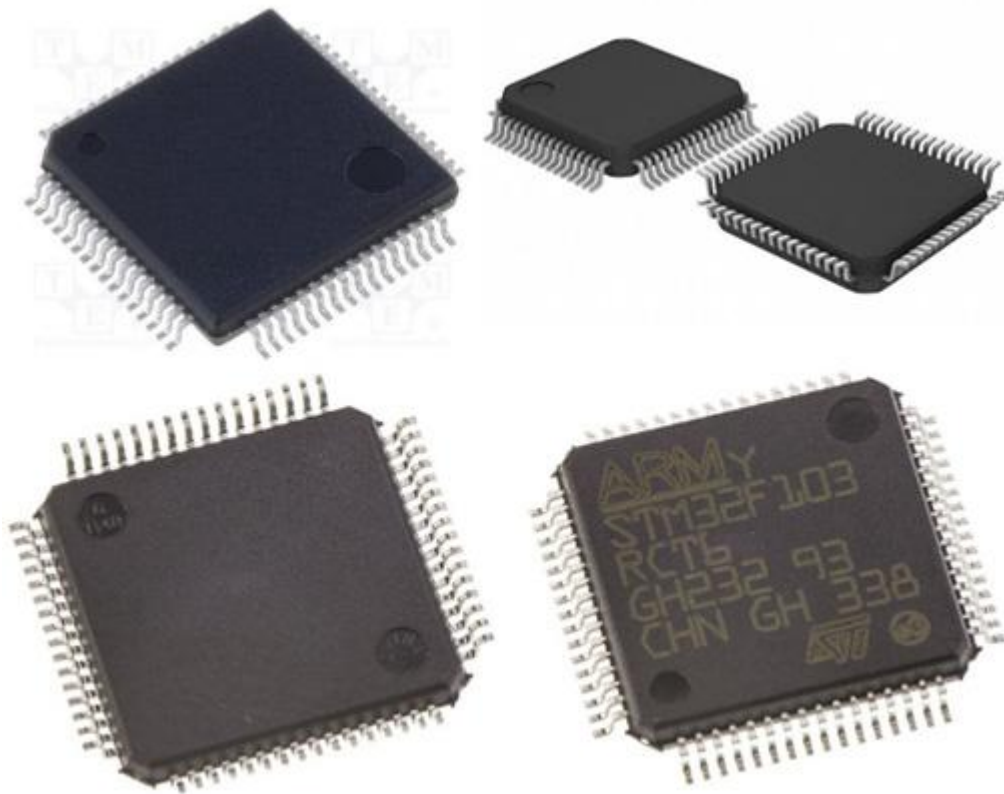
Phone:+86-13927462033

- . 51 high-speed input and output ports
- . Serial Line Debugger (SWD) and JTAG interface
- . Three SPI, two I2C, five USART, one USB, one SDIO and one CAN interface
- . Ambient operating temperature range -40°C to 85°C

Product parameters

Technical parameters	frequency	72MHz
	Supply voltage	2.00V (min)
	Operating voltage	2V-3.6V
	The number of pins	64
	RAM size	48KB
	Number of digits	32
	Analog-to-digital conversion number (ADC).	3
	Number of inputs/outputs	51 Input
	Operating Temperature (Max)	85°C
	Operating Temperature(Min)	-40°C
	Dissipated Power (Max)	444mW
	encapsulation	LQFP-64
	Packaging	Tray

Product images



FAQ

Q: Are your shipments fast?

A: Yes, we have our own warehouse, and most of the goods 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