STM8S003F3P6TR STMicroelectronics

You can rest assured to buy XT-ShenZhen®
STM8S003F3P6TR STMicroelectronics from us.
STM8S003F3P6TR STMicroelectronics was developed and
produced by STMicroelectronics (ST) as an excellent 8-bit
microcontroller MCU. Suitable for a wide range of
applications in the industrial, consumer, and computer
markets. Wide range of applications and a very good
price-performance ratio. 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!

STM8S003F3P6TR STMicroelectronics was developed and produced by STMicroelectronics (ST)
as an excellent 8-bit microcontroller MCU. Suitable for a wide range of applications in the industrial,
consumer, and computer markets. Wide range of applications and a very good price-performance
ratio. For more original, cost-effective electronic components, please contact XT-ShenZhen® !!!

Product description

The STM8S003F3P6TR STMicroelectronics offers 8 KB of flash memory, as well as an integrated
true data EEPROM. In the STM8S microcontroller family, they are referred to as low-density
devices.
The STM8S003F3P6TR STMicroelectronics device has a true data EEPROM that can support up
to 100,000 write/erase cycles, advanced cores and peripherals, and advanced technology with a
clock frequency of 16 MHz, powerful I/O, and a standalone watchdog with an independent clock
source, thus ensuring the safety of device performance. 16 MHz advanced STM8 core with Harvard
architecture and 3-stage pipeline. System cost is reduced due to high system integration with the
internal clock oscillator, watchdog, and Undervoltage reset.

Product features

• 16 MHz advanced STM8 core with Harvard architecture and 3-stage pipeline
• Extended instruction set memory
• Program memory: 8 KB flash memory; After 100 cycles, data are retained at 55 °C for 20 years
• Data memory: 128 bytes of real data EEPROM; Endurance up to 100,000 write/erase cycle clocks,
resets, and power management
•2.95 to 5.5 V operating voltage
• Flexible clock control, 4 main clock sources:
– Low power crystal resonator

Shenzhen Zhen Rong Era Supply Chain Management Co., Ltd.
Tel:+86-755-83240078   **Phone:**+86-13927462033
E-mail:jack-sellandbuycomponents@xt-shenzhen.cn
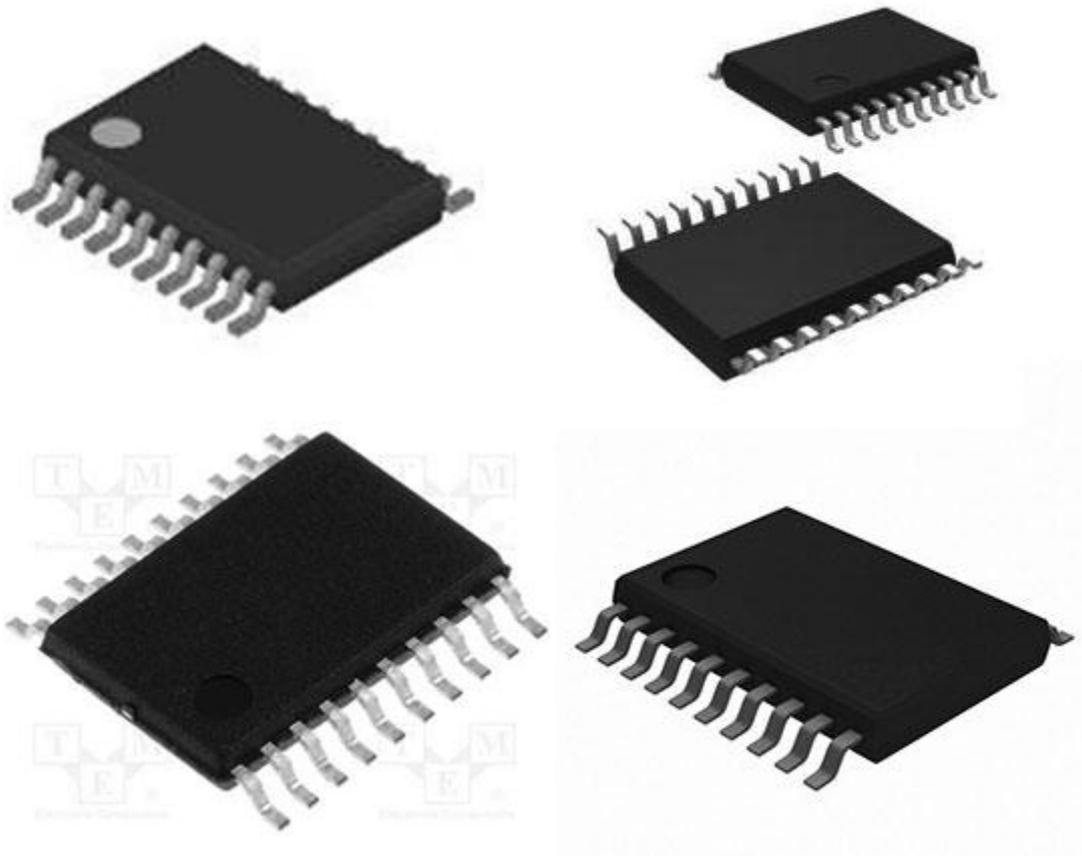
– External clock input

– User-adjustable internal 16 MHz RC

– Internal low power 128 kHz RC

• Clock security system with clock monitor

• Energy Management:

– Low power mode (wait, active stop, stop).

– Turn off the peripheral clocks separately

• Permanent, low power-on and power-down reset

Product parameters

Technical parameters	frequency	16MHz
	Operating voltage	2.95V ~ 5.5V
	The number of pins	20
	RAM size	1K*8
	Number of digits	8
	Number of inputs/outputs	16 Input
	Operating temperature (Max).	85℃
	Operating temperature (Min).	-40℃
	Dissipated power (Max).	238mW
	Supply voltage	2.95V-5.5V
	encapsulation	TSSOP-20
	Packaging	Tape & Reel (TR)

Product images

FAQ

Q: Are your shipments fast?

A: Yes, we have our own warehouse, and STM8S003F3P6TR 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