

Image may be representation.  
See specifications for product details.



## ST10F273M-4T3

Manufacturer Part Number	<b>ST10F273M-4T3</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-ST10F273M-4T3
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 512KB FLASH 144TQFP
Package	144-LQFP
Data sheet	<b>ST10F273M.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ST10F273M-4T3 - STMicroelectronics.New Original in Stock. Download Linear Technology ST10F273M-4T3 datasheet/specifications on AllelcoElec.com.  
Request a quote for ST10F273M-4T3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ST10F273M-4T3 Tech Specifications

ST10F273M-4T3 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	111
Speed	40MHz	Mounting Type	Surface Mount
Series	ST10	EEPROM Size	-
RAM Size	36K x 8	Data Converters	A/D 24x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	512KB (512K x 8)	Core Processor	ST10
Peripherals	POR, PWM, WDT	Connectivity	ASC, CANbus, EBI/EMI, I <sup>2</sup> C, SSC, UART/USART
Package / Case	144-LQFP	Base Product Number	ST10F
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics ST10F273M-4T3

Product Attribute				
Part Number	ST10F273M-4T3	ST10F276-4T3	ST10F2722T3	ST10F2692Q6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
EEPROM Size	-	-	-	-
Data Converters	A/D 24x10b	A/D 24x10b	A/D 24x10b	A/D 16x10b
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	144-LQFP	144-LQFP	144-LQFP	144-LQFP
Program Memory Size	512KB (512K x 8)	832KB (832K x 8)	256KB (256K x 8)	256KB (256K x 8)
Series	ST10	ST10	ST10	ST10
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	ST10F	ST10F	ST10F	ST10F
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	POR, PWM, WDT	POR, PWM, WDT	POR, PWM, WDT	POR, PWM, WDT
Package	Tray	Tray	Tray	Tray
Core Processor	ST10	ST10	ST10	ST10
Supplier Device Package	144-LQFP (20x20)	144-LQFP (20x20)	-	144-LQFP (20x20)
RAM Size	36K x 8	68K x 8	20K x 8	12K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	111	111	111	111
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
Connectivity	ASC, CANbus, EBI/EMI, I <sup>2</sup> C, SSC, UART/USART	ASC, CANbus, EBI/EMI, I <sup>2</sup> C, SSC, UART/USART	ASC, CANbus, EBI/EMI, I <sup>2</sup> C, SSC, UART/USART	CANbus, EBI/EMI, SSC, UART/USART
Speed	40MHz	40MHz	40MHz	40MHz

### ST10F273M-4T3 Datasheet PDF

Download ST10F273M-4T3 pdf datasheets and STMicroelectronics documentation for ST10F273M-4T3 - STMicroelectronics.

#### PCN Design/Specification

Cylindrical Battery Holders.pdf

#### PCN Assembly/Origin

2.73KHz.pdf

 ST10F273M.pdf

## Customers Also Interested in

### Recommended Products


**ST10F276-4T3**

 STMicroelectronics  
 IC MCU 16BIT 832KB FLASH  
 144LQFP

**ST10F273-CEG**

STMicroelectronics



NO PICTURE

**ST10F273-CE6**

STM


**ST10F272-BAR**

STMicroelectronics


**ST10F276-CAA**

STMicroelectronics


**ST10F272Z2T3**

 STMicroelectronics  
 IC MCU 16BIT 256KB FLASH  
 144LQFP

**ST10F275-6QR3**

STMicroelectronics


**ST10F275-4TX3**

STMicroelectronics

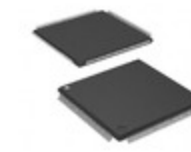

**ST10F269Z2Q6**

 STMicroelectronics  
 IC MCU 16BIT 256KB FLASH  
 144LQFP


NO PICTURE

**ST10F272-BAG**

NA


**ST10F269Z2T3**

 STMicroelectronics  
 IC MCU 16BIT 256KB FLASH 144QFP

**ST10F275-CFG**

STMicroelectronics


**ST10F271-BAR5**

STMicroelectronics


**ST10F273M-4TX3**

STMicroelectronics


**ST10F276-CEG**

STMicroelectronics


**ST10F273M-ABG3**

STMicroelectronics


**ST10F275-CEG**

STMicroelectronics


**ST10F273M ABR3**

STMicroelectronics

## 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.



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