



Image may be representation.  
See specifications for product details.



## M41T83ZMY6F

Manufacturer Part Number	<b>M41T83ZMY6F</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-M41T83ZMY6F
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC RTC CLK/CALENDAR I2C 18SOX
Package	18-SOX, 18-SOIC with Crystal (7.5mm Width)
Data sheet	<b>M41T82/83.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

M41T83ZMY6F - STMicroelectronics.New Original in Stock. Download Linear Technology M41T83ZMY6F datasheet/specifications on AllelcoElec.com.  
Request a quote for M41T83ZMY6F, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

M41T83ZMY6F Tech Specifications  
M41T83ZMY6F - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 85°C
Voltage - Supply, Battery	2V ~ 5.5V	Mounting Type	Surface Mount
Voltage - Supply	2.38V ~ 5.5V	Memory Size	7B
Type	Clock/Calendar	Interface	I <sup>2</sup> C, 2-Wire Serial
Time Format	HH:MM:SS:hh (24 hr)	Features	Alarm, Leap Year, Square Wave Output, SRAM, Watchdog Timer
Supplier Device Package	18-SOX	Date Format	YY-MM-DD-dd
Series	-	Current - Timekeeping (Max)	10µA @ 5.5V
Package / Case	18-SOX, 18-SOIC with Crystal (7.5mm Width)	Base Product Number	<b>M41T83</b>
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics M41T83ZMY6F

Product Attribute				
Part Number	M41T83ZMY6F	M41T83ZQA6F	M41T83SMY6E	M41T83ZMY6E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Supply	2.38V ~ 5.5V	2.38V ~ 5.5V	3V ~ 5.5V	2.38V ~ 5.5V
Current - Timekeeping (Max)	10µA @ 5.5V	10µA @ 5.5V	10µA @ 5.5V	10µA @ 5.5V
Series	-	-	-	-
Package / Case	18-SOX, 18-SOIC with Crystal (7.5mm Width)	16-VQFN Exposed Pad	18-SOX, 18-SOIC with Crystal (7.5mm Width)	18-SOX, 18-SOIC with Crystal (7.5mm Width)
Interface	I <sup>2</sup> C, 2-Wire Serial	I <sup>2</sup> C, 2-Wire Serial	I <sup>2</sup> C, 2-Wire Serial	I <sup>2</sup> C, 2-Wire Serial
Time Format	HH:MM:SS:hh (24 hr)	HH:MM:SS:hh (24 hr)	HH:MM:SS:hh (24 hr)	HH:MM:SS:hh (24 hr)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply, Battery	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tube
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Supplier Device Package	18-SOX	16-QFN (4x4)	18-SOX	18-SOX
Memory Size	7B	7B	7B	7B
Features	Alarm, Leap Year, Square Wave Output, SRAM, Watchdog Timer	Alarm, Leap Year, Square Wave Output, SRAM, Watchdog Timer	Alarm, Leap Year, Square Wave Output, SRAM, Watchdog Timer	Alarm, Leap Year, Square Wave Output, SRAM, Watchdog Timer
Type	Clock/Calendar	Clock/Calendar	Clock/Calendar	Clock/Calendar
Base Product Number	M41T83	M41T83	M41T83	M41T83
Date Format	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd

### M41T83ZMY6F Datasheet PDF

Download M41T83ZMY6F pdf datasheets and STMicroelectronics documentation for M41T83ZMY6F - STMicroelectronics.

#### HTML Datasheet

[M41T82/83.pdf](#)

#### PCN Assembly/Origin

[2.73KHz.pdf](#)

### Customers Also Interested in

#### Recommended Products

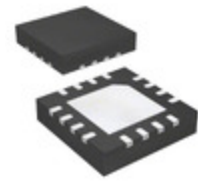


**M41T93RMY6**  
STMicroelectronics



**M41T83SMY6**  
STMicroelectronics

**M41T83ZQA6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR I2C 16QFN



**M41T83RQA6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR I2C 16QFN

**M41T83SMY6E**  
STMicroelectronics  
IC RTC CLK/CALENDAR I2C 18SOX



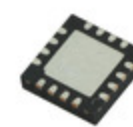
**M41T93RMY6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR SPI 18SOX

**M41T83ZMY6E**  
STMicroelectronics  
IC RTC CLK/CALENDAR I2C 18SOX



**M41T93SQA6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR SPI 16QFN

**M41T94MH6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR SPI 28SOH



**M41T83SQA6F**  
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IC RTC CLK/CALENDAR I2C 16QFN

**M41T83ZMY6**  
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**M41T93RQA6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR SPI 16QFN



**M41T832MY6**  
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**M41T83RMY6**  
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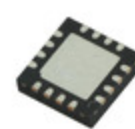
**M41T94MH6E**  
STMicroelectronics  
IC RTC CLK/CALENDAR SPI 28SOH



**M41T83RMY6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR I2C 18SOX



**M41T83SMY6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR I2C 18SOX



**M41T93ZQA6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR SPI 16QFN

## 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

Contact us if you have any questions.

 Phone  
 +00852 9146 4856  
 Email  
 info@allelco.com

## Certifications & Memberships



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### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com