



Image may be representation.  
See specifications for product details.



## M41T81M6E

Manufacturer Part Number	<b>M41T81M6E</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-M41T81M6E
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC RTC CLK/CALENDAR I2C 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>M41T81.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

M41T81M6E - STMicroelectronics.New Original in Stock. Download Linear Technology M41T81M6E datasheet/specifications on AllelcoElec.com.  
Request a quote for M41T81M6E, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

M41T81M6E Tech Specifications  
M41T81M6E - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 85°C
Voltage - Supply, Battery	2.5V ~ 3.5V	Mounting Type	Surface Mount
Voltage - Supply	2V ~ 5.5V	Memory Size	-
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, Watchdog Timer
Supplier Device Package	8-SOIC	Date Format	YY-MM-DD-dd
Series	-	Current - Timekeeping (Max)	100µA @ 2V ~ 5.5V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	M41T81
Package	Tube		

### Parts with Similar Specifications

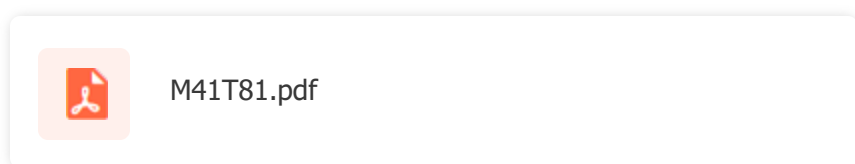
The three parts on the right have similar specifications to STMicroelectronics M41T81M6E

Product Attribute				
Part Number	M41T81M6E	M41T81SM6F	M41T64Q6F	M41T80M6F
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Features	Alarm, Leap Year, Square Wave Output, Watchdog Timer	Alarm, Leap Year, Square Wave Output, Watchdog Timer	Alarm, Leap Year, Square Wave Output, Watchdog Timer	Alarm, Leap Year, Square Wave Output
Date Format	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	16-VFQFN Exposed Pad	8-SOIC (0.154", 3.90mm Width)
Voltage - Supply, Battery	2.5V ~ 3.5V	2V ~ 3.5V	-	-
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)
Base Product Number	M41T81	M41T81	M41T64	M41T80
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Series	-	-	Timekeeper®	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply	2V ~ 5.5V	2.7V ~ 5.5V	1.3V ~ 4.4V	2V ~ 5.5V
Type	Clock/Calendar	Clock/Calendar	Clock/Calendar	Clock/Calendar
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Timekeeping (Max)	100µA @ 2V ~ 5.5V	100µA @ 2.7V ~ 5.5V	0.7µA ~ 0.95µA @ 1.3V ~ 4.4V	2.4µA ~ 31µA @ 2V ~ 5.5V
Memory Size	-	-	-	-
Supplier Device Package	8-SOIC	8-SOIC	16-QFN (3x3)	8-SOIC

### M41T81M6E Datasheet PDF

Download M41T81M6E pdf datasheets and STMicroelectronics documentation for M41T81M6E - STMicroelectronics.

### HTML Datasheet



### Customers Also Interested in

#### Recommended Products



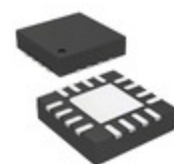
**M41T81SMY6**  
STMicroelectronics



**M41T81**  
STMicroelectronics



**M41T81SM6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR I2C 8SOIC



**M41T64Q6F**  
STMicroelectronics  
IC RTC CLK/CALENDAR I2C 16QFN



**M41T80M6F**  
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**M41T81M6TR**

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**M41T80**

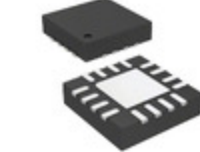
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IC RTC CLK/CALENDAR I2C 16QFN**M41T81SM6E**STMicroelectronics  
IC RTC CLK/CALENDAR I2C 8SOIC**M41T65Q6F**STMicroelectronics  
IC RTC CLK/CALENDAR I2C 16QFN**M41T80M6E**STMicroelectronics  
IC RTC CLK/CALENDAR I2C 8SOIC

## 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.



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