

Image may be representation.
See specifications for product details.



M41T83QA6F

Manufacturer Part Number	M41T83QA6F
Manufacturer	STMicroelectronics
Allelco Part Number	32D-M41T83QA6F
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC RTC CLK/CALENDAR I2C 16QFN
Package	16-VQFN Exposed Pad
Data sheet	M41T82/83.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

M41T83QA6F - STMicroelectronics.New Original in Stock. Download Linear Technology M41T83QA6F datasheet/specifications on AllelcoElec.com.
Request a quote for M41T83QA6F, please send us email: info@allelco.com

Specifications

M41T83QA6F Tech Specifications

M41T83QA6F - 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	3V ~ 5.5V	Memory Size	7B
Type	Clock/Calendar	Interface	I ² 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	16-QFN (4x4)	Date Format	YY-MM-DD-dd
Series	-	Current - Timekeeping (Max)	10µA @ 5.5V
Package / Case	16-VQFN Exposed Pad	Base Product Number	M41T83
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics M41T83QA6F

Product Attribute				
Part Number	M41T83QA6F	M41T83SMY6F	M41T82SM6F	M41T93QA6F
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	M41T83	M41T83	M41T82	M41T93
Memory Size	7B	7B	7B	7B
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Date Format	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd
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)
Package / Case	16-VQFN Exposed Pad	18-SOX, 18-SOIC with Crystal (7.5mm Width)	8-SOIC (0.154", 3.90mm Width)	16-VQFN Exposed Pad
Features	Alarm, Leap Year, Square Wave Output, SRAM, Watchdog Timer	Alarm, Leap Year, Square Wave Output, SRAM, Watchdog Timer	Alarm, Leap Year, SRAM, Watchdog Timer	Alarm, Leap Year, Square Wave Output, SRAM, Watchdog Timer
Current - Timekeeping (Max)	10µA @ 5.5V	10µA @ 5.5V	10µA @ 5.5V	10µA @ 5.5V
Supplier Device Package	16-QFN (4x4)	18-SOX	8-SOIC	16-QFN (4x4)
Voltage - Supply	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Series	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Voltage - Supply, Battery	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	1.8V ~ 5.5V
Type	Clock/Calendar	Clock/Calendar	Clock/Calendar	Clock/Calendar
Interface	I ² C, 2-Wire Serial	I ² C, 2-Wire Serial	I ² C, 2-Wire Serial	SPI

M41T83QA6F Datasheet PDF

Download M41T83QA6F pdf datasheets and STMicroelectronics documentation for M41T83QA6F - STMicroelectronics.

PCN Packaging

Moisture Barrier Bag 09/May/2016.pdf

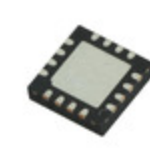
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HTML Datasheet

M41T82/83.pdf

Customers Also Interested in

Recommended Products



M41T93RMY6
STMicroelectronics

M41T83SMY6F
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M41T82SM6F
STMicroelectronics
IC RTC CLK/CALENDAR I2C 8SOIC

M41T83RMY6
STMicroelectronics

M41T93SQ6F
STMicroelectronics
IC RTC CLK/CALENDAR SPI 16QFN

M41T93RMY6F
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IC RTC CLK/CALENDAR SPI 18SOX



M41T93RQA6F
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IC RTC CLK/CALENDAR SPI 16QFN

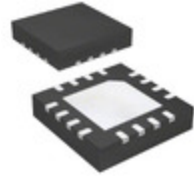
M41T83ZQA6F
STMicroelectronics
IC RTC CLK/CALENDAR I2C 16QFN

M41T83ZMY6
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IC RTC CLK/CALENDAR SPI 16QFN

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IC RTC CLK/CALENDAR I2C 8SOIC

M41T83RMY6F
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IC RTC CLK/CALENDAR I2C 18SOX



M41T83ZMY6E
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M41T83SMY6E
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M41T83ZMY6F
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IC RTC CLK/CALENDAR I2C 18SOX

M41T83SMY6
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M41T82SM6E
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.



Phone
+00852 9146 4856



Email
info@allelco.com

Certifications & Memberships



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