



Image may be representation.
See specifications for product details.



M41T81SM6F

Manufacturer Part Number	M41T81SM6F
Manufacturer	STMicroelectronics
Allelco Part Number	32D-M41T81SM6F
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC RTC CLK/CALENDAR I2C 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	M41T81S.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

M41T81SM6F - STMicroelectronics.New Original in Stock. Download Linear Technology M41T81SM6F datasheet/specifications on AllelcoElec.com.
Request a quote for M41T81SM6F, please send us email: info@allelco.com

Specifications

M41T81SM6F Tech Specifications

M41T81SM6F - 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 ~ 3.5V	Mounting Type	Surface Mount
Voltage - Supply	2.7V ~ 5.5V	Memory Size	-
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, Watchdog Timer
Supplier Device Package	8-SOIC	Date Format	YY-MM-DD-dd
Series	-	Current - Timekeeping (Max)	100µA @ 2.7V ~ 5.5V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	M41T81
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics M41T81SM6F

Product Attribute				
Part Number	M41T81SM6F	M41T82RM6E	M41T81SM6E	M41T82SM6F
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Timekeeping (Max)	100µA @ 2.7V ~ 5.5V	10µA @ 5.5V	100µA @ 2.7V ~ 5.5V	10µA @ 5.5V
Type	Clock/Calendar	Clock/Calendar	Clock/Calendar	Clock/Calendar
Features	Alarm, Leap Year, Square Wave Output, Watchdog Timer	Alarm, Leap Year, SRAM, Watchdog Timer	Alarm, Leap Year, Square Wave Output, Watchdog Timer	Alarm, Leap Year, SRAM, Watchdog Timer
Voltage - Supply	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	3V ~ 5.5V
Voltage - Supply, Battery	2V ~ 3.5V	2V ~ 5.5V	2V ~ 3.5V	2V ~ 5.5V
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)
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
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
Interface	I ² C, 2-Wire Serial	I ² C, 2-Wire Serial	I ² C, 2-Wire Serial	I ² C, 2-Wire Serial
Memory Size	-	7B	-	7B
Series	-	-	-	-
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Base Product Number	M41T81	M41T82	M41T81	M41T82
Date Format	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd

M41T81SM6F Datasheet PDF

Download M41T81SM6F pdf datasheets and STMicroelectronics documentation for M41T81SM6F - STMicroelectronics.

PCN Packaging

[Moisture Barrier Bag 09/May/2016.pdf](#)

[Box Label Chg 28/Jul/2016.pdf](#)

PCN Assembly/Origin

[Mult Devices 27/Feb/2019.pdf](#)

PCN Design/Specification













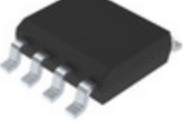





[New Material Set for SO8 & SO14 Pkg 18/Nov/2015.pdf](#)

HTML Datasheet

[M41T81S.pdf](#)

Customers Also Interested in

Recommended Products

					
M41T82RM6E STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC	M41T81SM6E STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC	M41T81 STMicroelectronics	M41T82SM6F STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC	M41T81M6TR STMicroelectronics	M41T81SM6 STMicroelectronics
					
M41T81SMY6 STMicroelectronics	M41T81MX6 STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC	M41T81SMY6F STMicroelectronics IC RTC CLK/CALENDAR I2C 18SOX	M41T81M6F. STMicroelectronics	M41T82ZM6F STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC	M41T82RM6F STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC
					
M41T82SM6E STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC	M41T81M6F STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC	M41T83RM6 STMicroelectronics	M41T81S STMicroelectronics	M41T81M6E STMicroelectronics IC RTC CLK/CALENDAR I2C 8SOIC	M41T81M6 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.



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

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