

Image may be representation.  
See specifications for product details.



## AT24C512-10PI-2.7

Manufacturer Part Number	<b>AT24C512-10PI-2.7</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-AT24C512-10PI-2.7
ECAD Model	Request Free CAD Models
Parts Description	IC EEPROM 512KBIT I2C 1MHZ 8DIP
Package	8-DIP (0.300', 7.62mm)
Data sheet	<b>Cylindrical Battery Holders.pdf</b>

**Get a Quote**

AT24C512-10PI-2.7 - Microchip Technology.New Original in Stock. Download Linear Technology AT24C512-10PI-2.7 datasheet/specifications on AllelcoElec.com.  
Request a quote for AT24C512-10PI-2.7, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AT24C512-10PI-2.7 Tech Specifications  
AT24C512-10PI-2.7 - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Mounting Type	Through Hole
Write Cycle Time - Word, Page	10ms	Memory Type	Non-Volatile
Voltage - Supply	2.7V ~ 5.5V	Memory Size	512Kbit
Technology	EEPROM	Memory Organization	64K x 8
Supplier Device Package	8-PDIP	Memory Interface	I <sup>2</sup> C
Series	-	Memory Format	EEPROM
Package / Case	8-DIP (0.300', 7.62mm)	Clock Frequency	1 MHz
Package	Tube	Base Product Number	AT24C512
Operating Temperature	-40°C ~ 85°C (TA)	Access Time	900 ns

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT24C512-10PI-2.7

Product Attribute				
Part Number	AT24C512-10PI-2.7	<b>AT24C32W-10SI</b>	<b>AT24C512-10TU-2.7</b>	<b>AT24C512-10CI-2.7</b>
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
Memory Type	Non-Volatile	Non-Volatile	Non-Volatile	Non-Volatile
Voltage - Supply	2.7V ~ 5.5V	4.5V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Memory Interface	I <sup>2</sup> C	I <sup>2</sup> C	I <sup>2</sup> C	I <sup>2</sup> C
Package / Case	8-DIP (0.300', 7.62mm)	8-SOIC (0.209", 5.30mm Width)	8-TSSOP (0.173", 4.40mm Width)	8-TDFN
Technology	EEPROM	EEPROM	EEPROM	EEPROM
Memory Size	512Kbit	32Kbit	512Kbit	512Kbit
Supplier Device Package	8-PDIP	8-SOIC	8-TSSOP	8-LAP (8x5)
Write Cycle Time - Word, Page	10ms	10ms	10ms	10ms
Package	Tube	Tube	Tube	Tube
Memory Format	EEPROM	EEPROM	EEPROM	EEPROM
Base Product Number	AT24C512	AT24C32	AT24C512	AT24C512
Access Time	900 ns	900 ns	900 ns	900 ns
Series	-	-	-	-
Memory Organization	64K x 8	4K x 8	64K x 8	64K x 8
Clock Frequency	1 MHz	400 kHz	1 MHz	1 MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount

### AT24C512-10PI-2.7 Datasheet PDF

Download AT24C512-10PI-2.7 pdf datasheets and Microchip Technology documentation for AT24C512-10PI-2.7 - Microchip Technology.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### PCN Packaging

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

### Customers Also Interested in

#### Recommended Products



**AT24C512-PU2.7**  
AT



**AT24C32N-SI2.7**  
Atmel (Microchip Technology)



**AT24C512-PI27**  
Atmel (Microchip Technology)



**AT24C32PC**  
AT



**AT24C32W-10SI**  
Microchip Technology  
IC EEPROM 32KBIT I2C 8SOIC



**AT24C32N-SU27**  
AT



**AT24C32N-SU27-D**  
XINBOLE



**AT24C512-10TU-2.7**  
Atmel  
IC EEPROM 512KBIT I2C 8TSSOP



**AT24C512-10CI-2.7**  
Microchip Technology  
IC EEPROM 512KBIT I2C 1MHZ 8LAP



**AT24C512-10TI-2.7**  
Microchip Technology  
IC EEPROM 512KBIT I2C 8TSSOP



**AT24C32N-SI1.8**  
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**AT24C512-10PI-1.8**  
Microchip Technology  
IC EEPROM 512KBIT I2C 8DIP



**AT24C512-10PU-2.7**  
Microchip Technology  
IC EEPROM 512KBIT I2C 1MHZ 8DIP



**AT24C512-10PU2.7**  
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**AT24C512-PI2.7**  
AT



**AT24C512-10TU-2.7**  
Microchip Technology  
IC EEPROM 512KBIT I2C 8TSSOP



**AT24C512**  
AT



**AT24C512-10PC-2.7**  
Atmel (Microchip Technology)

## 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.

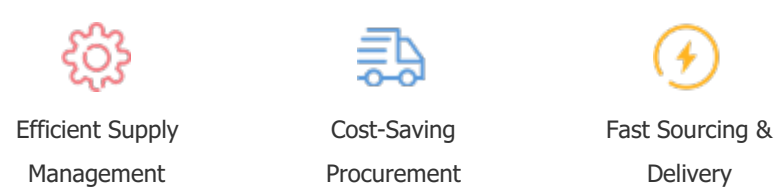
Contact us if you have any questions.

## Payment Support

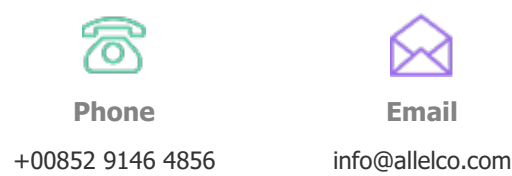
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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