



Image may be representation.
See specifications for product details.



24LC512-E/SM

Manufacturer Part Number	24LC512-E/SM
Manufacturer	Microchip Technology
Allelco Part Number	32D-24LC512-E/SM
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC EEPROM 512KBIT I2C 8SOIJ
Package	8-SOIC (0.209", 5.30mm Width)
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

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24LC512-E/SM - Microchip Technology. New Original in Stock. Download Linear Technology 24LC512-E/SM datasheet/specifications on AllelcoElec.com. Request a quote for 24LC512-E/SM, please send us email: info@allelco.com

Specifications

24LC512-E/SM Tech Specifications

24LC512-E/SM - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Mounting Type	Surface Mount
Write Cycle Time - Word, Page	5ms	Memory Type	Non-Volatile
Voltage - Supply	2.5V ~ 5.5V	Memory Size	512Kbit
Technology	EEPROM	Memory Organization	64K x 8
Supplier Device Package	8-SOIJ	Memory Interface	I ² C
Series	-	Memory Format	EEPROM
Package / Case	8-SOIC (0.209", 5.30mm Width)	Clock Frequency	400 kHz
Package	Tube	Base Product Number	24LC512
Operating Temperature	-40°C ~ 125°C (TA)	Access Time	900 ns

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology 24LC512-E/SM

Product Attribute				
Part Number	24LC512-E/SM	24LC512T-E/SN	24LC512-I/SN	24LC512-I/SM
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Memory Type	Non-Volatile	Non-Volatile	Non-Volatile	Non-Volatile
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Clock Frequency	400 kHz	400 kHz	400 kHz	400 kHz
Write Cycle Time - Word, Page	5ms	5ms	5ms	5ms
Memory Organization	64K x 8	64K x 8	64K x 8	64K x 8
Memory Size	512Kbit	512Kbit	512Kbit	512Kbit
Package / Case	8-SOIC (0.209", 5.30mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.209", 5.30mm Width)
Access Time	900 ns	900 ns	900 ns	900 ns
Base Product Number	24LC512	24LC512	24LC512	24LC512
Series	-	-	-	-
Voltage - Supply	2.5V ~ 5.5V	2.5V ~ 5.5V	2.5V ~ 5.5V	2.5V ~ 5.5V
Supplier Device Package	8-SOIJ	8-SOIC	8-SOIC	8-SOIJ
Technology	EEPROM	EEPROM	EEPROM	EEPROM
Memory Interface	I ² C	I ² C	I ² C	I ² C
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Memory Format	EEPROM	EEPROM	EEPROM	EEPROM
Package	Tube	Tape & Reel (TR)	Tube	Tube

24LC512-E/SM Datasheet PDF

Download 24LC512-E/SM pdf datasheets and Microchip Technology documentation for 24LC512-E/SM - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)








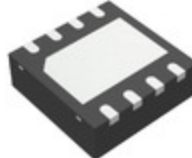

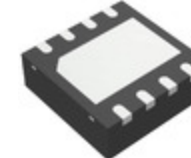








PCN Assembly/Origin

[2.73KHz.pdf](#)

PCN Design/Specification

Customers Also Interested in

Recommended Products

					
24LC512T-E/SN Microchip Technology IC EEPROM 512KBIT I2C 8SOIC	24LC512-I/SN Microchip Technology IC EEPROM 512KBIT I2C 8SOIC	24LC512-I/SM Microchip Technology IC EEPROM 512KBIT I2C 8SOIJ	24LC512-I/P Microchip Technology IC EEPROM 512KBIT I2C 8DIP	24LC512-E/P Microchip Technology IC EEPROM 512KBIT I2C 8DIP	24LC32T-I/SM Micrel / Microchip Technology
					
24LC32AT/SN Microchip Technology IC EEPROM 32KBIT I2C 8SOIC	24LC512T-E/MF Microchip Technology IC EEPROM 512KBIT I2C 8DFN	24LC512-E/SN Microchip Technology IC EEPROM 512KBIT I2C 8SOIC	24LC512-E/MF Microchip Technology IC EEPROM 512KBIT I2C 8DFN	24LC41A/PJOP Micrel / Microchip Technology	24LC32AT-I/STG MICROCHI
					
24LC512T-I	24LC512-I/ST14 Microchip Technology IC EEPROM 512KBIT I2C 14TSSOP	24LC512 Micrel / Microchip Technology	24LC32T/SM MIC	24LC32B ARTS	24LC411 MICR

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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