

Image may be representation.
See specifications for product details.



AT24C512BN-SH25-B

Manufacturer Part Number	AT24C512BN-SH25-B
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT24C512BN-SH25-B
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC EEPROM 512KBIT I2C 1MHZ 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	AT24C512B.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT24C512BN-SH25-B - Microchip Technology. New Original in Stock. Download Linear Technology AT24C512BN-SH25-B datasheet/specifications on AllelcoElec.com. Request a quote for AT24C512BN-SH25-B, please send us email: info@allelco.com

Specifications

AT24C512BN-SH25-B Tech Specifications
AT24C512BN-SH25-B - 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-SOIC	Memory Interface	I ² C
Series	-	Memory Format	EEPROM
Package / Case	8-SOIC (0.154", 3.90mm Width)	Clock Frequency	1 MHz
Package	Tube	Base Product Number	AT24C512
Operating Temperature	-40°C ~ 85°C (TA)	Access Time	550 ns

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT24C512BN-SH25-B

Product Attribute				
Part Number	AT24C512BN-SH25-B	AT24C512BY7-YH25-T	AT24C512BN-SH-T	AT24C512B-TH25-T
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Access Time	550 ns	550 ns	900 ns	550 ns
Base Product Number	AT24C512	AT24C512	AT24C512	AT24C512
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-UDFN Exposed Pad	8-SOIC (0.154", 3.90mm Width)	8-TSSOP (0.173", 4.40mm Width)
Voltage - Supply	2.5V ~ 5.5V	2.5V ~ 5.5V	1.8V ~ 3.6V	2.5V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Memory Interface	I ² C	I ² C	I ² C	I ² C
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Clock Frequency	1 MHz	1 MHz	1 MHz	1 MHz
Series	-	-	-	-
Supplier Device Package	8-SOIC	8-UDFN (6x4.9)	8-SOIC	8-TSSOP
Memory Organization	64K x 8	64K x 8	64K x 8	64K x 8
Write Cycle Time - Word, Page	5ms	5ms	5ms	5ms
Technology	EEPROM	EEPROM	EEPROM	EEPROM
Memory Type	Non-Volatile	Non-Volatile	Non-Volatile	Non-Volatile
Memory Size	512Kbit	512Kbit	512Kbit	512Kbit
Memory Format	EEPROM	EEPROM	EEPROM	EEPROM

AT24C512BN-SH25-B Datasheet PDF

Download AT24C512BN-SH25-B pdf datasheets and Microchip Technology documentation for AT24C512BN-SH25-B - Microchip Technology.

Datasheets

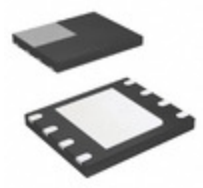
[AT24C512B.pdf](#)

PCN Packaging

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

Customers Also Interested in

Recommended Products



AT24C512BY7-YH25-T

Microchip Technology
IC EEPROM 512KBIT I2C 1MHZ
8UDFN

AT24C512BN-SH-T

Microchip Technology
IC EEPROM 512KBIT I2C 1MHZ
8SOIC

AT24C512B-TH

Atmel (Microchip Technology)

AT24C512B-TH25-T

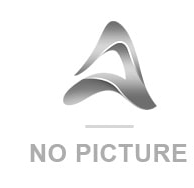
Microchip Technology
IC EEPROM 512KBIT I2C 8TSSOP

AT24C512BW-H-B-ND

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AT24C512BY7-SH25-T

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AT24C512B-TH-B

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IC EEPROM 512KBIT I2C 8TSSOP

AT24C512BW-SH25-T

Microchip Technology
IC EEPROM 512KBIT I2C 1MHZ
8SOIC

AT24C512BW-SH-T

Microchip Technology
IC EEPROM 512KBIT I2C 1MHZ
8SOIC

AT24C512-PU2.7

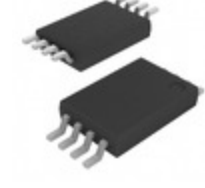
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AT24C512BU2-UU-T

Atmel (Microchip Technology)

AT24C512B-PU25

Microchip Technology
IC EEPROM 512KBIT I2C 1MHZ 8DIP



AT24C512BN-SH-B

Microchip Technology
IC EEPROM 512KBIT I2C 1MHZ
8SOIC

AT24C512B-TH-T

Microchip Technology
IC EEPROM 512KBIT I2C 8TSSOP

AT24C512BN-SH25-T

Microchip Technology
IC EEPROM 512KBIT I2C 1MHZ
8SOIC

AT24C512BW-SH25-B

Microchip Technology
IC EEPROM 512KBIT I2C 1MHZ
8SOIC

AT24C512BW-SH25-T

Atmel
IC EEPROM 512KBIT I2C 1MHZ
8SOIC

AT24C512BN-SSHD

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 -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



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Certifications & Memberships



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