

Image may be representation.  
See specifications for product details.



## 25AA512-I/MF

Manufacturer Part Number	<b>25AA512-I/MF</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-25AA512-I/MF
ECAD Model	Request Free CAD Models
Parts Description	IC EEPROM 512KBIT SPI 20MHZ 8DFN
Package	8-VDFN Exposed Pad
Data sheet	<a href="#">25AA512.pdf</a> <a href="#">25AA512.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

25AA512-I/MF - Microchip Technology.New Original in Stock. Download Linear Technology 25AA512-I/MF datasheet/specifications on AllelcoElec.com.  
Request a quote for 25AA512-I/MF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

25AA512-I/MF Tech Specifications

25AA512-I/MF - 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	1.8V ~ 5.5V	Memory Size	512Kbit
Technology	EEPROM	Memory Organization	64K x 8
Supplier Device Package	8-DFN-S (6x5)	Memory Interface	SPI
Series	-	Memory Format	EEPROM
Package / Case	8-VDFN Exposed Pad	Clock Frequency	20 MHz
Package	Tube	Base Product Number	25AA512
Operating Temperature	-40°C ~ 85°C (TA)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology 25AA512-I/MF

Product Attribute				
Part Number	25AA512-I/MF	<a href="#">25AA320AT-I/MNY</a>	<a href="#">25AA320-I/P</a>	<a href="#">25AA320X-I/ST</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Write Cycle Time - Word, Page	5ms	5ms	5ms	5ms
Memory Interface	SPI	SPI	SPI	SPI
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Memory Type	Non-Volatile	Non-Volatile	Non-Volatile	Non-Volatile
Package / Case	8-VDFN Exposed Pad	8-WDFN Exposed Pad	8-DIP (0.300", 7.62mm)	8-TSSOP (0.173", 4.40mm Width)
Supplier Device Package	8-DFN-S (6x5)	8-TDFN (2x3)	8-PDIP	8-TSSOP
Memory Format	EEPROM	EEPROM	EEPROM	EEPROM
Memory Size	512Kbit	32Kbit	32Kbit	32Kbit
Package	Tube	Tape & Reel (TR)	Tube	Tube
Clock Frequency	20 MHz	10 MHz	1 MHz	1 MHz
Technology	EEPROM	EEPROM	EEPROM	EEPROM
Base Product Number	25AA512	25AA320	25AA320	25AA320
Series	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Memory Organization	64K x 8	4K x 8	4K x 8	4K x 8

### 25AA512-I/MF Datasheet PDF

Download 25AA512-I/MF pdf datasheets and Microchip Technology documentation for 25AA512-I/MF - Microchip Technology.

#### Datasheets

[25AA512.pdf](#)

#### PCN Packaging

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

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

#### PCN Assembly/Origin

[8L SOIJ Package/Plating 31/Jul/2013.pdf](#)

#### HTML Datasheet

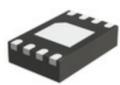
[25AA512.pdf](#)

 25AA512 18/Aug/2021.pdf

 25AA512 24/Jun/2022.pdf

**Customers Also Interested in**

**Recommended Products**



**25AA320AT-I/MNY**  
Microchip Technology  
IC EEPROM 32KBIT SPI 10MHZ 8TDFN



**25AA320-I/P**  
Microchip Technology  
IC EEPROM 32KBIT SPI 1MHZ 8DIP



**25AA320X-I/ST**  
Microchip Technology  
IC EEPROM 32KBIT SPI 1MHZ 8TSSOP



**25AA320A-I/SN**  
Microchip Technology  
IC EEPROM 32KBIT SPI 10MHZ 8SOIC



**25AA640AT-E/MNY**  
Microchip Technology  
IC EEPROM 64KBIT SPI 10MHZ 8TDFN



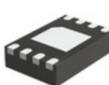
**25AA640A-I/SN**  
Microchip Technology  
IC EEPROM 64KBIT SPI 10MHZ 8SOIC



**25AA320T-I/SN**  
Microchip Technology  
IC EEPROM 32KBIT SPI 1MHZ 8SOIC



**25AA320AT-I/MS**  
Microchip Technology  
IC EEPROM 32KBIT SPI 10MHZ 8MSOP



**25AA640AT-I/MNY**  
Microchip Technology  
IC EEPROM 64KBIT SPI 10MHZ 8TDFN



**25AA512-I/P**  
Microchip Technology  
IC EEPROM 512KBIT SPI 20MHZ 8DIP



**25AA640A-I/P**  
Microchip Technology  
IC EEPROM 64KBIT SPI 10MHZ 8DIP



**25AA640A-E/SN**  
Microchip Technology  
IC EEPROM 64KBIT SPI 10MHZ 8SOIC



**25AA640A-E/ST**  
Microchip Technology  
IC EEPROM 64KBIT SPI 8TSSOP



**25AA32A-I/SN**  
Micrel / Microchip Technology



**25AA512T-I/SN**  
Microchip Technology  
IC EEPROM 512KBIT SPI 8SOIC



**25AA320-I/SN**  
Microchip Technology  
IC EEPROM 32KBIT SPI 1MHZ 8SOIC



**25AA512-I/SN**  
Microchip Technology  
IC EEPROM 512KBIT SPI 8SOIC



**25AA640-I/SN**  
Microchip Technology  
IC EEPROM 64KBIT SPI 1MHZ 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  
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-  Email  
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**Certifications & Memberships**



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**Contact us**

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