

Image may be representation.
See specifications for product details.



24FC512-I/MF

| | |
|--------------------------|---|
| Manufacturer Part Number | 24FC512-I/MF |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-24FC512-I/MF |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC EEPROM 512KBIT I2C 1MHZ 8DFN |
| Package | 8-VDFN Exposed Pad |
| Data sheet | 24AA512, 24LC512, 24FC512.pdf |
| RoHs Status | ROHS3 Compliant |

[Get a Quote](#)

24FC512-I/MF - Microchip Technology. New Original in Stock. Download Linear Technology 24FC512-I/MF datasheet/specifications on AllelcoElec.com.
Request a quote for 24FC512-I/MF, please send us email: info@allelco.com

Specifications

24FC512-I/MF Tech Specifications

24FC512-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 | 1.7V ~ 5.5V | Memory Size | 512Kbit |
| Technology | EEPROM | Memory Organization | 64K x 8 |
| Supplier Device Package | 8-DFN-S (6x5) | Memory Interface | I ² C |
| Series | - | Memory Format | EEPROM |
| Package / Case | 8-VDFN Exposed Pad | Clock Frequency | 1 MHz |
| Package | Tube | Base Product Number | 24FC512 |
| Operating Temperature | -40°C ~ 85°C (TA) | Access Time | 400 ns |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology 24FC512-I/MF

| Product Attribute | | | | |
|-------------------------------|----------------------|--------------------------------|-------------------------------|-------------------------------|
| Part Number | 24FC512-I/MF | 24FC256-I/ST | 24FC512T-I/SN | 24FC512-I/SN |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Voltage - Supply | 1.7V ~ 5.5V | 1.7V ~ 5.5V | 1.7V ~ 5.5V | 1.7V ~ 5.5V |
| Memory Organization | 64K x 8 | 32K x 8 | 64K x 8 | 64K x 8 |
| Memory Type | Non-Volatile | Non-Volatile | Non-Volatile | Non-Volatile |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Supplier Device Package | 8-DFN-S (6x5) | 8-TSSOP | 8-SOIC | 8-SOIC |
| Series | - | - | - | - |
| Package | Tube | Tube | Tape & Reel (TR) | Tube |
| Memory Size | 512Kbit | 256Kbit | 512Kbit | 512Kbit |
| Memory Format | EEPROM | EEPROM | EEPROM | EEPROM |
| Write Cycle Time - Word, Page | 5ms | 5ms | 5ms | 5ms |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |
| Access Time | 400 ns | 400 ns | 400 ns | 400 ns |
| Base Product Number | 24FC512 | 24FC256 | 24FC512 | 24FC512 |
| Package / Case | 8-VDFN Exposed Pad | 8-TSSOP (0.173", 4.40mm Width) | 8-SOIC (0.154", 3.90mm Width) | 8-SOIC (0.154", 3.90mm Width) |
| Clock Frequency | 1 MHz | 1 MHz | 1 MHz | 1 MHz |
| Technology | EEPROM | EEPROM | EEPROM | EEPROM |
| Memory Interface | I ² C | I ² C | I ² C | I ² C |

24FC512-I/MF Datasheet PDF

Download 24FC512-I/MF pdf datasheets and Microchip Technology documentation for 24FC512-I/MF - Microchip Technology.

Datasheets

[24AA512, 24LC512, 24FC512.pdf](#)

PCN Packaging

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



















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

PCN Assembly/Origin

[24AA512/24FC512/24LC512 04/Mar/2021.pdf](#)

Customers Also Interested in

Recommended Products

| | | | | | |
|--|---|--|--|---|--|
|  24FC256JI CSI |  24FC256-I/ST Microchip Technology IC EEPROM 256KBIT I2C 8TSSOP |  24FC512 MICROCHI |  24FC512T-I/SN Microchip Technology IC EEPROM 512KBIT I2C 1MHZ 8SOIC |  24FC512-I/SN Microchip Technology IC EEPROM 512KBIT I2C 1MHZ 8SOIC |  24FC256T-I/MS Microchip Technology IC EEPROM 256KBIT I2C 1MHZ 8MSOP |
|  24FC512-I/SM Microchip Technology IC EEPROM 512KBIT I2C 1MHZ 8SOIJ |  24FC256WI AMI Semiconductor/onsemi |  24FC32JI CSI |  24FC512T-I/SM Microchip Technology IC EEPROM 512KBIT I2C 1MHZ 8SOIJ |  24FC512-E/SM Micrel / Microchip Technology |  24FC256-I/SN Microchip Technology IC EEPROM 256KBIT I2C 1MHZ 8SOIC |
|  24FC512T-I/ST Microchip Technology IC EEPROM 512KBIT I2C 8TSSOP |  24FC256T-I/ST Microchip Technology IC EEPROM 256KBIT I2C 8TSSOP |  24FC32WI AMI Semiconductor/onsemi |  24FC512-I/P Microchip Technology IC EEPROM 512KBIT I2C 1MHZ 8DIP |  24FC512-I/ST Microchip Technology IC EEPROM 512KBIT I2C 8TSSOP |  24FC515-I/SM Microchip Technology IC EEPROM 512KBIT I2C 1MHZ 8SOIJ |

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



[View More](#)