

Image may be representation.  
See specifications for product details.



## M24512-DRDW8TP/K

Manufacturer Part Number	<b>M24512-DRDW8TP/K</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-M24512-DRDW8TP/K
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC EEPROM 512KBIT I2C 8TSSOP
Package	8-TSSOP (0.173", 4.40mm Width)
Data sheet	<b>M24512-DRxx8.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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M24512-DRDW8TP/K - STMicroelectronics.New Original in Stock. Download Linear Technology M24512-DRDW8TP/K datasheet/specifications on AllelcoElec.com. Request a quote for M24512-DRDW8TP/K, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

M24512-DRDW8TP/K Tech Specifications  
M24512-DRDW8TP/K - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Mounting Type	Surface Mount
Write Cycle Time - Word, Page	4ms	Memory Type	Non-Volatile
Voltage - Supply	1.8V ~ 5.5V	Memory Size	512Kbit
Technology	EEPROM	Memory Organization	64K x 8
Supplier Device Package	8-TSSOP	Memory Interface	I <sup>2</sup> C
Series	Automotive, AEC-Q100	Memory Format	EEPROM
Package / Case	8-TSSOP (0.173", 4.40mm Width)	Clock Frequency	1 MHz
Package	Tape & Reel (TR)	Base Product Number	M24512
Operating Temperature	-40°C ~ 105°C (TA)	Access Time	450 ns

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics M24512-DRDW8TP/K

Product Attribute				
Part Number	M24512-DRDW8TP/K	M24512-DFMN6TP	M24512-DRMN6TP	M24512-DRMF3TG/K
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Memory Type	Non-Volatile	Non-Volatile	Non-Volatile	Non-Volatile
Write Cycle Time - Word, Page	4ms	5ms	5ms	4ms
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Package / Case	8-TSSOP (0.173", 4.40mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-WFDFN Exposed Pad
Supplier Device Package	8-TSSOP	8-SOIC	8-SOIC	8-MLP (2x3)
Access Time	450 ns	500 ns	500 ns	450 ns
Clock Frequency	1 MHz	1 MHz	1 MHz	1 MHz
Voltage - Supply	1.8V ~ 5.5V	1.7V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Series	Automotive, AEC-Q100	-	-	Automotive, AEC-Q100
Memory Format	EEPROM	EEPROM	EEPROM	EEPROM
Technology	EEPROM	EEPROM	EEPROM	EEPROM
Memory Size	512Kbit	512Kbit	512Kbit	512Kbit
Memory Organization	64K x 8	64K x 8	64K x 8	64K x 8
Memory Interface	I <sup>2</sup> C	I <sup>2</sup> C	I <sup>2</sup> C	I <sup>2</sup> C
Base Product Number	M24512	M24512	M24512	M24512
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

### M24512-DRDW8TP/K Datasheet PDF

Download M24512-DRDW8TP/K pdf datasheets and STMicroelectronics documentation for M24512-DRDW8TP/K - STMicroelectronics.

#### PCN Packaging

[Moisture Barrier Bag 09/May/2016.pdf](#)

[Mult Dev Inner Pkg Chg 30/Oct/2019.pdf](#)

#### PCN Assembly/Origin

[Mult Devices Testing 10/May/2018.pdf](#)

#### HTML Datasheet

[M24512-DRxx8.pdf](#)

### Customers Also Interested in

## Recommended Products



### M24512-DFMN6TP

STMicroelectronics  
IC EEPROM 512KBIT I2C 1MHZ  
8SOIC



### M24512-DRMN6TP

STMicroelectronics  
IC EEPROM 512KBIT I2C 1MHZ  
8SOIC



### M24512-DRMF3TG/K

STMicroelectronics  
IC EEPROM 512KBIT I2C 1MHZ 8MLP



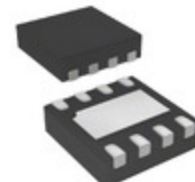
### M24512-DRDW3TP/K

STMicroelectronics  
IC EEPROM 512KBIT I2C 8TSSOP



### M24512-DRMN8TP/K

STMicroelectronics  
IC EEPROM 512KBIT I2C 1MHZ  
8SOIC



### M24512-RMB6TG

STMicroelectronics  
IC EEPROM 512KBIT I2C 8UFDFPN



### M24512-RDW6TP

STMicroelectronics  
IC EEPROM 512KBIT I2C 8TSSOP



### M24308/4-5F

Amphenol Positronic  
D-SUB



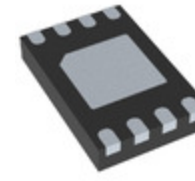
### M24308/4-5F

ADI Electronics  
M24308/4-5F



### M24512-RMN6P

STMicroelectronics  
IC EEPROM 512KBIT I2C 1MHZ  
8SOIC



### M24512-DFMC6TG

STMicroelectronics  
IC EEPROM 512KBIT I2C 8UFDFPN



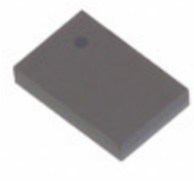
### M24308/4-5F

ITT Cannon, LLC  
CONN DSUB PLUG 50POS PNL MNT



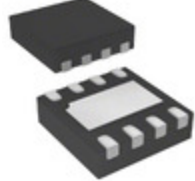
### M24308/4-5F

PEI-Genesis  
DSUB 50 P CRIMP G50 YLW CAD



### M24512-DFCS6TP/K

STMicroelectronics  
IC EEPROM 512KBIT I2C 8WLCSP



### M24512-RMC6TG

STMicroelectronics  
IC EEPROM 512KBIT I2C 8UFDFPN



### M24512-DRMN3TP/K

STMicroelectronics  
IC EEPROM 512KBIT I2C 1MHZ  
8SOIC



### M24512-RMN6TP

STMicroelectronics  
IC EEPROM 512KBIT I2C 1MHZ  
8SOIC



### M24512-WDW6TP

STMicroelectronics  
IC EEPROM 512KBIT I2C 8TSSOP

## 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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