

DS2250-32-16





**Part Number:** [DS2250-32-16](#)

**Manufacturer:** [Maxim Integrated](#)

**Description** IC MCU 8BIT 32KB NVSRAM 40SIMM

**Data sheet:**  [DS2250\(T\)](#)  
 [DS2250\(T\)](#)

**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                          |                                  |                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                               | DS2250-32-16                                                             | Manufacturer                     | <a href="#">Maxim Integrated</a>                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 32KB NVSRAM 40SIMM                                           | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5208 pcs                                                                 | Data sheet                       | <a href="#">DS2250(T)</a><br><a href="#">DS2250(T)</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                | Voltage - Supply (Vcc/Vdd)       | 4.75 V ~ 5.25 V                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                   | 40-SIMM                                                                  | Speed                            | 16MHz                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DS225x                                                                   | RAM Size                         | -                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                       | NVSRAM                                                                   | Program Memory Size              | 32KB (32K x 8)                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                               | Power-Fail Reset, WDT                                                    | Packaging                        | Tray                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40-SIMM                                                                  | Other Names                      | DS22503216                                             |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                           | External                                                                 | Operating Temperature            | 0°C ~ 70°C (TA)                                        |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                             | 32                                                                       | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                            | Contains lead / RoHS non-compliant                                       | EEPROM Size                      | -                                                      |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8051 DS225x Microcontroller IC 8-Bit 16MHz 32KB (32K x 8) NVSRAM 40-SIMM |                                  |                                                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                                    | Core Processor                   | 8051                                                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                              | SIO, UART/USART                                                          | Base Part Number                 | DS2250                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                 |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------|---------------------|
|  | Part#: <a href="#">DS2250T-64-16</a><br>Description: IC MCU 8BIT 64KB NVSRAM 40SIMM    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2250-64-16+</a><br>Description: IC MCU 8BIT 64KB NVSRAM 40SIMM    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS21T09S/T&amp;R</a><br>Description: IC TERMINATOR SCSI P&P 28-SOIC | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2250T-32-16</a><br>Description: IC MCU 8BIT 32KB NVSRAM 40SIMM    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2227-070</a><br>Description: IC NVSRAM 4M PARALLEL 72SIMM         | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS21T07S+</a><br>Description: IC TERMINATOR SCSI 16-SOIC            | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS21T07S/T&amp;R</a><br>Description: IC TERMINATOR SCSI 16-SOIC     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2251T-128-16#</a><br>Description: IC MCU 8BIT 128KB NVSRAM 72SIMM | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2250-32-16+</a><br>Description: IC MCU 8BIT 32KB NVSRAM 40SIMM    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2251T-128-16</a><br>Description: IC MCU 8BIT 128KB NVSRAM 72SIMM  | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS21T09S</a><br>Description: IC TERM PLUG/PLAY SCSI 28-SOIC         | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2227-120</a><br>Description: IC NVSRAM 4M PARALLEL 72SIMM         | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2227-100</a><br>Description: IC NVSRAM 4M PARALLEL 72SIMM         | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2250-64-16</a><br>Description: IC MCU 8BIT 64KB NVSRAM 40SIMM     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS21T09S+</a><br>Description: IC TERM PLUG/PLAY SCSI 28-SOIC        | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2250-64-16#</a><br>Description: IC MCU 8BIT 64KB NVSRAM 40SIMM    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2250T-32-16+</a><br>Description: IC MCU 8BIT 32KB NVSRAM 40SIMM   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2250T-64-16+</a><br>Description: IC MCU 8BIT 64KB NVSRAM 40SIMM   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS2229-85</a><br>Description: IC NVSRAM 8M PARALLEL 80SIMM          | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DS21T07S+T&amp;R</a><br>Description: IC TERMINATOR SCSI 16-SOIC     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |

Related keywords for **DS2250-32-16**

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