

DS2251T-32-16#



Part Number: [DS2251T-32-16#](#)

Manufacturer: [Maxim Integrated](#)

Description: IC MCU 8BIT 32KB NVSRAM 72SIMM

Data sheet:  [DS2251T](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                |                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DS2251T-32-16#                            | Manufacturer                   | <a href="#">Maxim Integrated</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 8BIT 32KB NVSRAM 72SIMM            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4867 pcs                                  | Data sheet                     | <a href="#">DS2251T</a>                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4.5 V ~ 5.5 V                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                     | 72-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                                                                                                                                                                                                                                                                                                                                                                                                                                              | 72-SIMM                                   | 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 | Lead free / RoHS Compliant                                               |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                         | Detailed Description           | 8051 DS225x Microcontroller IC 8-Bit 16MHz 32KB (32K x 8) NVSRAM 72-SIMM |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Core Size                      | 8-Bit                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8051                                      | Connectivity                   | SIO, UART/USART                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                            | DS2251                                    |                                |                                                                          |
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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> | <div>RFQ</div> |
|  | Part#: <a href="#">DS2282-113</a><br>Description: IC CTRLR/MON STIK T1 FDL 30-PIN      | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DS2251T-64-16#</a><br>Description: IC MCU 8BIT 64KB NVSRAM 72SIMM   | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DS2252T-128-16#</a><br>Description: IC MCU 8BIT 128KB NVSRAM 40SIMM | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DS2250T-32-16</a><br>Description: IC MCU 8BIT 32KB NVSRAM 40SIMM    | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DS227</a><br>Description: PART DESOLDERING HEAD A                   | Manufacturers: <a href="#">Apex Tool Group</a>  | <div>RFQ</div> |
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|  | Part#: <a href="#">DS2252T-64-16#</a><br>Description: IC MCU 8BIT 64KB NVSRAM 40SIMM   | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DS2251T-32-16</a><br>Description: IC MCU 8BIT 32KB NVSRAM 72SIMM    | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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