

P89V51RD2FN,112



**Part Number:** [P89V51RD2FN,112](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MCU 8BIT 64KB FLASH 40DIP

**Data sheet:**  [P89V51RB2, RC2, RD2](#)

**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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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                     |                                  |                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | P89V51RD2FN,112                                                     | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 64KB FLASH 40DIP                                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5858 pcs                                                            | Data sheet                       | <a href="#">P89V51RB2, RC2, RD2</a>            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                           | Voltage - Supply (Vcc/Vdd)       | 4.5 V ~ 5.5 V                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40-DIP                                                              | Speed                            | 40MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 89V                                                                 | RAM Size                         | 1K x 8                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                               | Program Memory Size              | 64KB (64K x 8)                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT                               | Packaging                        | Tube                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 40-DIP (0.600", 15.24mm)                                            | Other Names                      | 568-2431-5<br>935277948112<br>P89V51RD2FN      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                            | Operating Temperature            | -40°C ~ 85°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 89V Microcontroller IC 8-Bit 40MHz 64KB (64K x 8) FLASH 40-DIP | Data Converters                  | -                                              |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                               | Core Processor                   | 8051                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SPI, UART/USART                                                     | Base Part Number                 | P89V51R                                        |
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