

P87LPC764BD,512



**Part Number:** [P87LPC764BD,512](#)

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

**Description:** IC MCU 8BIT 4KB OTP 20SO

**Data sheet:**  [P87LPC764](#)

**RoHs Status:** Lead free / RoHS Compliant

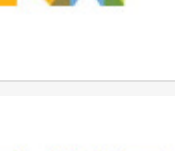
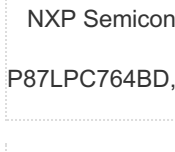
**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                   |                                  |                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | P87LPC764BD,512                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 4KB OTP 20SO                                          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4470 pcs                                                          | Data sheet                       | <a href="#">P87LPC764</a>                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                         | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 6 V                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20-SO                                                             | Speed                            | 20MHz                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LPC700                                                            | RAM Size                         | 128 x 8                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OTP                                                               | Program Memory Size              | 4KB (4K x 8)                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, LED, POR, WDT                             | Packaging                        | Tube                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20-SOIC (0.295", 7.50mm Width)                                    | Other Names                      | 568-1258-5<br>935263358512<br>P87LPC764BD<br>P87LPC764BD512 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                          | Operating Temperature            | 0°C ~ 70°C (TA)                                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 18                                                                | Moisture Sensitivity Level (MSL) | 2 (1 Year)                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                        | EEPROM Size                      | -                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8051 LPC700 Microcontroller IC 8-Bit 20MHz 4KB (4K x 8) OTP 20-SO | Data Converters                  | -                                                           |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                             | Core Processor                   | 8051                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PC, UART/USART                                                    | Base Part Number                 | P87LPC764                                                   |
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|  | Part#: <a href="#">P87LPC762BD,512</a><br>Description: IC MCU 8BIT 2KB OTP 20SO     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P87LPC760BDH,118</a><br>Description: IC MCU 8BIT 1KB OTP 14TSSOP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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