

P87C54X2BA,512



**Part Number:** [P87C54X2BA,512](#)

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

**Description:** IC MCU 8BIT 16KB OTP 44PLCC

**Data sheet:**  [P87C58X2FA](#)

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | P87C54X2BA,512                                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 16KB OTP 44PLCC                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4448 pcs                                                                         | Data sheet                       | <a href="#">P87C58X2FA</a>                                                                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                        | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44-PLCC (16.59x16.59)                                                            | Speed                            | 33MHz                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 87C                                                                              | RAM Size                         | 256 x 8                                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OTP                                                                              | Program Memory Size              | 16KB (16K x 8)                                                                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | POR                                                                              | Packaging                        | Tube                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 44-LCC (J-Lead)                                                                  | Other Names                      | 568-7913-5<br>568-7913-5-ND<br>568-8362-5<br>935270161512<br>P87C54X2BA<br>P87C54X2BA,512-ND<br>P87C54X2BA-ND<br>P87C54X2BA512 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                                         | Operating Temperature            | 0°C ~ 70°C (TA)                                                                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32                                                                               | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                                                       | EEPROM Size                      | -                                                                                                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8051 87C Microcontroller IC 8-Bit 33MHz 16KB (16K x 8) OTP 44-PLCC (16.59x16.59) | Data Converters                  | -                                                                                                                              |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8-Bit                                                                            | Core Processor                   | 8051                                                                                                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EBI/EMI, UART/USART                                                              | Base Part Number                 | P87C54                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                               |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
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|  | Part#: <a href="#">P87C54X2BBD,157</a><br>Description: IC MCU 8BIT 16KB OTP 44LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87C54X2FBD,157</a><br>Description: IC MCU 8BIT 16KB OTP 44LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P87C552SBAA,512</a><br>Description: IC MCU 8BIT 8KB OTP 68PLCC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P87C52X2BA,512</a><br>Description: IC MCU 8BIT 8KB OTP 44PLCC     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87C554SFAA,512</a><br>Description: IC MCU 8BIT 16KB OTP 68PLCC   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87C52UBPN,112</a><br>Description: IC MCU 8BIT 8KB OTP 40DIP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P87C557E8EFB/01,55</a><br>Description: IC MCU 8BIT 64KB OTP 80QFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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