

P87C58X2FA,512

**Part Number:** [P87C58X2FA,512](#)

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

**Description:** IC MCU 8BIT 32KB 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | P87C58X2FA,512                                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 32KB OTP 44PLCC                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4432 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              | 32KB (32K x 8)                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | POR                                                                              | Packaging                        | Tube                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 44-LCC (J-Lead)                                                                  | Other Names                      | 568-12145-5<br>568-12145-ND<br>935270376512<br>P87C58X2FA<br>P87C58X2FA,512-ND<br>P87C58X2FA-ND |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                                         | Operating Temperature            | -40°C ~ 85°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 32KB (32K 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                 | P87C58                                                                                          |
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|                  | Part#: <a href="#">P87C58X2BBD,157</a><br>Description: IC MCU 8BIT 32KB OTP 44LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|                  | Part#: <a href="#">P87C660X2BBD,157</a><br>Description: IC MCU 8BIT 16KB OTP 44LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">P87C654X2BBD,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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