

P87C51RB2BBD,157



**Part Number:** [P87C51RB2BBD,157](#)

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

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

**Data sheet:**  [P87C51Rx2](#)

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

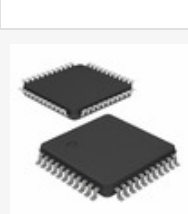
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |                                  |                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | P87C51RB2BBD,157                                                           | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 16KB OTP 44LQFP                                                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5887 pcs                                                                   | Data sheet                       | <a href="#">P87C51Rx2</a>                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                  | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 44-LQFP (10x10)                                                            | Speed                            | 33MHz                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87C                                                                        | RAM Size                         | 512 x 8                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OTP                                                                        | Program Memory Size              | 16KB (16K x 8)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | POR, PWM, WDT                                                              | Packaging                        | Tray                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 44-LQFP                                                                    | Other Names                      | 568-8732<br>935271877157<br>P87C51RB2BBD<br>P87C51RB2BBD,157-ND<br>P87C51RB2BBD-ND |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                                   | 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 87C Microcontroller IC 8-Bit 33MHz 16KB (16K x 8) OTP 44-LQFP (10x10) | Data Converters                  | -                                                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                                      | Core Processor                   | 8051                                                                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EBI/EMI, UART/USART                                                        | Base Part Number                 | P87C51                                                                             |
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