

P87C591VFA/00,512



**Part Number:** [P87C591VFA/00,512](#)

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

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

**Data sheet:**  [P8xC591](#)

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

**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
**Buy P87C591VFA/00,512 with confidence from Component-World.HK, 1 Year Warranty**

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                  |                                  |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P87C591VFA/00,512                                                                | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4839 pcs                                                                         | Data sheet                       | <a href="#">P8xC591</a>                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                                        | Voltage - Supply (Vcc/Vdd)       | 4.75 V ~ 5.25 V                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 44-PLCC (16.59x16.59)                                                            | Speed                            | 12MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 87C                                                                              | RAM Size                         | 512 x 8                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OTP                                                                              | Program Memory Size              | 16KB (16K x 8)                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | POR, PWM, WDT                                                                    | Packaging                        | Tube                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 44-LCC (J-Lead)                                                                  | Other Names                      | 568-1256-5<br>935268182512<br>P87C591VFAA      |
| 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 12MHz 16KB (16K x 8) OTP 44-PLCC (16.59x16.59) | Data Converters                  | A/D 6x10b                                      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-Bit                                                                            | Core Processor                   | 8051                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CANbus, EBI/EMI, I <sup>2</sup> C, UART/USART                                    | Base Part Number                 | P87C591                                        |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all NXP Semiconductors / Freescale series electronic components. We have 4839 pieces of NXP Semiconductors / Freescale P87C591VFA/00,512 in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                  |                                  |                                                |

| RELATED PRODUCTS                                                                   |                                                                                      |                                                               |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">P87C54X2FA,512</a><br>Description: IC MCU 8BIT 16KB OTP 44PLCC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | 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="#">P87LPC760BN,112</a><br>Description: IC MCU 8BIT 1KB OTP 14DIP     | 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> |
|  | Part#: <a href="#">P87LPC760BDH,112</a><br>Description: IC MCU 8BIT 1KB OTP 14TSSOP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87C661X2BBD,157</a><br>Description: IC MCU 8BIT 16KB OTP 44LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87C58X2FA,512</a><br>Description: IC MCU 8BIT 32KB OTP 44PLCC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87LPC761BDH,112</a><br>Description: IC MCU 8BIT 2KB OTP 16TSSOP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87C58X2BN,112</a><br>Description: IC MCU 8BIT 32KB OTP 40DIP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | 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> |
|  | 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> |
|  | Part#: <a href="#">P87C660X2FA,529</a><br>Description: IC MCU 8BIT 16KB OTP 44PLCC   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | 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> |
|  | Part#: <a href="#">P87C552SFAA,512</a><br>Description: IC MCU 8BIT 8KB OTP 68PLCC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87C661X2FA,529</a><br>Description: IC MCU 8BIT 16KB OTP 44PLCC   | 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> |
|  | 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> |
|  | 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="#">P87C654X2FA,529</a><br>Description: IC MCU 8BIT 16KB OTP 44PLCC   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P87C554SBAA,512</a><br>Description: IC MCU 8BIT 16KB OTP 68PLCC   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

|                                                     |                                                     |                                                    |                                |
|-----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|--------------------------------|
| Related keywords for <b>P87C591VFA/00,512</b>       |                                                     |                                                    |                                |
| NXP Semiconductors / Freescale<br>P87C591VFA/00,512 | P87C591VFA/00,512 distributor                       | P87C591VFA/00,512 supplier                         | P87C591VFA/00,512 price        |
|                                                     | P87C591VFA/00,512 download datasheet                | P87C591VFA/00,512 datasheet                        | P87C591VFA/00,512 stock        |
| buy P87C591VFA/00,512                               | NXP Semiconductors / Freescale<br>P87C591VFA/00,512 | NXP Semiconductors P87C591VFA/00,512               | Freescale P87C591VFA/00,512    |
|                                                     |                                                     | Freescale Semiconductor - NXP<br>P87C591VFA/00,512 | NXP USA Inc. P87C591VFA/00,512 |
|                                                     |                                                     |                                                    |                                |