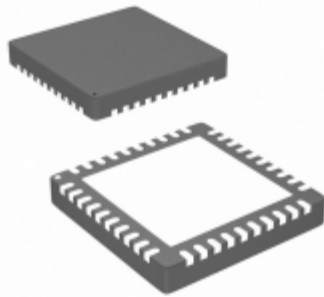


MK10DX32VFM5



Images are for reference only.  
See Product Specifications for product details.  
**Buy MK10DX32VFM5 with confidence from Component-World.HK, 1 Year Warranty**



**Part Number:** [MK10DX32VFM5](#)

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

**Description:** IC MCU 32BIT 32KB FLASH 32QFN

**Data sheet:**  [K10\\_FM5 Datasheet](#)  
 [K10\\_FM5 Ref Manual](#)  
 [K10 Family Fact Sheet](#)

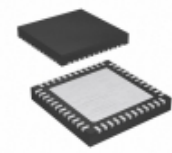
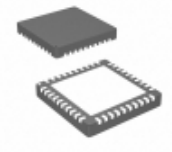
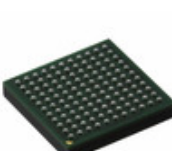
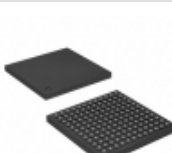
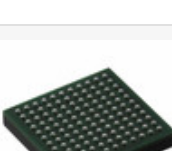
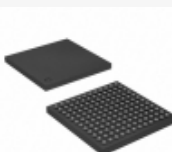
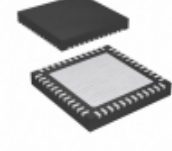
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MK10DX32VFM5                              | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 32KB FLASH 32QFN             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32769 pcs                                 | Data sheet                       | <a href="#">K10_FM5 Datasheet</a><br><a href="#">K10_FM5 Ref Manual</a><br><a href="#">K10 Family Fact Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.71 V ~ 3.6 V                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32-QFN-EP (5x5)                           | Speed                            | 50MHz                                                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Kinetis K10                               | RAM Size                         | 8K x 8                                                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size              | 32KB (32K x 8)                                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT | Packaging                        | Tray                                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 32-VFQFN Exposed Pad                      | Other Names                      | 935324534557                                                                                                     |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 24                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                    |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                       |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2K x 8                                    | Detailed Description             | ARM® Cortex®-M4 Kinetis K10 Microcontroller IC 32-Bit 50MHz 32KB (32K x 8) FLASH 32-QFN-EP (5x5)                 |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 10x16b                                | Core Size                        | 32-Bit                                                                                                           |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M4                           | Connectivity                     | I <sup>2</sup> C, IrDA, SPI, UART/USART                                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MK10DX32                                  |                                  |                                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                               |                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MK10DX256VMB7</a><br>Description: IC MCU 32BIT 256KB FLASH 81BGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256VLL7</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX32VFT5</a><br>Description: IC MCU 32BIT 32KB FLASH 48QFN        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX64VFM5</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX32VMP5</a><br>Description: IC MCU 32BIT 32KB FLASH 64MAPBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256VLQ10</a><br>Description: IC MCU 32BIT 256KB FLASH 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256VML7</a><br>Description: IC MCU 32BIT 256KB FLASH 121BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX64VLF5</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256ZVMD10</a><br>Description: IC MCU 32BIT 256KB FLASH 144BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256VLQ10</a><br>Description: IC MCU 32BIT 256KB FLASH 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX32VLF5</a><br>Description: IC MCU 32BIT 32KB FLASH 48LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256VMC7</a><br>Description: IC MCU 32BIT 256KB FLASH 121BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX32VLH5</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256VMD10</a><br>Description: IC MCU 32BIT 256KB FLASH 144BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX64VLH7</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX64VFT5</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX64VLH5</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256VLK7R</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX64VLK7</a><br>Description: IC MCU 32BIT 64KB FLASH 80LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MK10DX256ZVLQ10R</a><br>Description: IC MCU 32BIT 256KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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