



Image may be representation. See specifications for product details.

MK20DX64VMB7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK20DX64VMB7                                                                                                 |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 64KB FLASH 81MAPBGA                                                                             |
|                     |  1.MK20DX64VMB7.pdf         |
|                     |  2.MK20DX64VMB7.pdf         |
|                     |  3.MK20DX64VMB7.pdf         |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

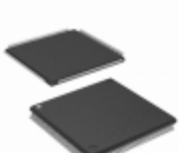
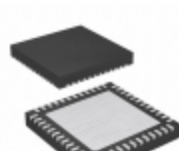
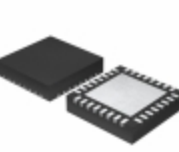
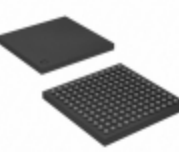
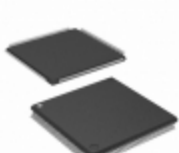
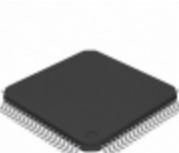
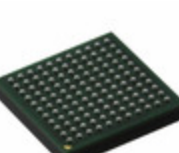
Specifications of MK20DX64VMB7

|                                  |                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK20DX64VMB7                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 81MAPBGA                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                 |
| DATA SHEET                       |  1.MK20DX64VMB7.pdf<br> 2.MK20DX64VMB7.pdf<br> 3.MK20DX64VMB7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                                                                                                                                                                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 81-MAPBGA (10x10)                                                                                                                                                                                                                                                                                                          |
| SPEED                            | 72MHz                                                                                                                                                                                                                                                                                                                      |
| SERIES                           | Kinetis K20                                                                                                                                                                                                                                                                                                                |
| RAM SIZE                         | 16K x 8                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                                                                                                                                                                                                                             |
| PERIPHERALS                      | DMA, I²S, LVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                               |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 81-LBGA                                                                                                                                                                                                                                                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                   |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                                                                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                 |
| EEPROM SIZE                      | 2K x 8                                                                                                                                                                                                                                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 72MHz 64KB (64K x 8) FLASH 81-MAPBGA (10x10)                                                                                                                                                                                                                         |
| DATA CONVERTERS                  | -                                                                                                                                                                                                                                                                                                                          |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                     |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                                                                            |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, SPI, UART/USART, USB, USB OTG                                                                                                                                                                                                                                                                  |
| BASE PART NUMBER                 | MK20DX64                                                                                                                                                                                                                                                                                                                   |

Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| NXP Semiconductors / Freescale MK20DX64VMB7 | MK20DX64VMB7 Distributor                | MK20DX64VMB7 Supplier                           |
| MK20DX64VMB7 Price                          | MK20DX64VMB7 Pictures                   | MK20DX64VMB7 Image                              |
| MK20DX64VMB7 PDF Datasheet                  | MK20DX64VMB7 Download Datasheet         | MK20DX64VMB7 Datasheet                          |
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| NXP Semiconductors / Freescale MK20DX64VMB7 | NXP Semiconductors MK20DX64VMB7         | Freescale MK20DX64VMB7                          |
| Freescale Semiconductor - NXP MK20DX64VMB7  | NXP USA Inc. MK20DX64VMB7               |                                                 |

Related Products

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|  <div><b>MK20FX512VLQ12</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MK20DX64VMP5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 64KB FLASH 64MAPBGA<br/>In stock: 490 pcs<br/><div>RFQ</div></div>    |
|  <div><b>MK20DX64VLF5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 226 pcs<br/><div>RFQ</div></div>       |  <div><b>MK20FN1M0VLQ12R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MK20DX64VLH7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 3 pcs<br/><div>RFQ</div></div>         |  <div><b>MK20DX64VFT5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: 260 pcs<br/><div>RFQ</div></div>       |
|  <div><b>MK20DX64VFM5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 64KB FLASH 32QFN<br/>In stock: 488 pcs<br/><div>RFQ</div></div>        |  <div><b>MK20FN1M0VMD12</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 144MAPBGA<br/>In stock: 320 pcs<br/><div>RFQ</div></div>  |
|  <div><b>MK20FN1M0VLQ12</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 180 pcs<br/><div>RFQ</div></div>     |  <div><b>MK20DX64VLH5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 157 pcs<br/><div>RFQ</div></div>      |
|  <div><b>MK20DX64VLK7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 64KB FLASH 80LQFP<br/>In stock: 79 pcs<br/><div>RFQ</div></div>        |  <div><b>MK20DX64VMC7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 64KB FLASH 121BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |