

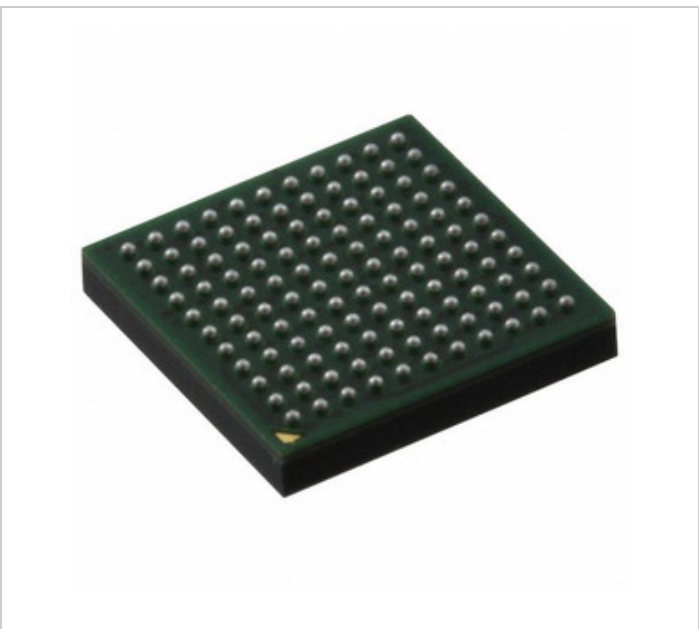


Image may be representation. See specifications for product details.

MK20DX256VMC7R

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK20DX256VMC7R                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 256KB FLASH 121BGA                                                                              |
|                     |  1.MK20DX256VMC7R.pdf       |
|                     |  2.MK20DX256VMC7R.pdf       |
|                     |  3.MK20DX256VMC7R.pdf       |
|                     |  4.MK20DX256VMC7R.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

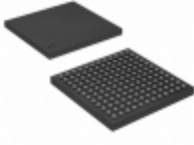
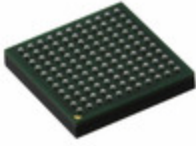
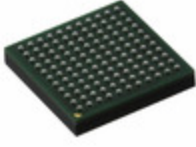
Specifications of MK20DX256VMC7R

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK20DX256VMC7R                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                                                                                                                                                               |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 121BGA                                                                                                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       |  1.MK20DX256VMC7R.pdf<br> 2.MK20DX256VMC7R.pdf<br> 3.MK20DX256VMC7R.pdf<br> 4.MK20DX256VMC7R.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 121-MAPBGA (8x8)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SPEED                            | 72MHz                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SERIES                           | Kinetis K20                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RAM SIZE                         | 64K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PERIPHERALS                      | DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                    |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 121-LFBGA                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OTHER NAMES                      | 935325708518<br>MK20DX256VMC7RTR                                                                                                                                                                                                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NUMBER OF I/O                    | 70                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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 K20 Microcontroller IC 32-Bit 72MHz 256KB (256K x 8) FLASH 121-MAPBGA (8x8)                                                                                                                                                                                                                                                                                                                                          |
| DATA CONVERTERS                  | A/D 35x16b, D/A 1x12b                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CONNECTIVITY                     | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, SPI, UART/USART, USB, USB OTG                                                                                                                                                                                                                                                                                                                                                                       |
| BASE PART NUMBER                 | MK20DX256                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Related Tags

|                                               |                                         |                                                   |
|-----------------------------------------------|-----------------------------------------|---------------------------------------------------|
| NXP Semiconductors / Freescale MK20DX256VMC7R | MK20DX256VMC7R Distributor              | MK20DX256VMC7R Supplier                           |
| MK20DX256VMC7R Price                          | MK20DX256VMC7R Pictures                 | MK20DX256VMC7R Image                              |
| MK20DX256VMC7R PDF Datasheet                  | MK20DX256VMC7R Download Datasheet       | MK20DX256VMC7R Datasheet                          |
| MK20DX256VMC7R Stock                          | Buy MK20DX256VMC7R                      | Buy NXP Semiconductors / Freescale MK20DX256VMC7R |
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| NXP Semiconductors / Freescale MK20DX256VMC7R | NXP Semiconductors MK20DX256VMC7R       | Freescale MK20DX256VMC7R                          |
| Freescale Semiconductor - NXP MK20DX256VMC7R  | NXP USA Inc. MK20DX256VMC7R             |                                                   |

Related Products

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                     |
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|  <div><b>MK20DX256VML7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 104BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>MK20DX256ZVLL10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 29 pcs<br/><div>RFQ</div></div>   |
|  <div><b>MK20DX256VLQ10R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MK20DX256VMD10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 144BGA<br/>In stock: 720 pcs<br/><div>RFQ</div></div>    |
|  <div><b>MK20DX256VLL7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 658 pcs<br/><div>RFQ</div></div>     |  <div><b>MK20DX256ZVLK10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 80LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MK20DX256VLQ10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 120 pcs<br/><div>RFQ</div></div>    |  <div><b>MK20DX256ZVLQ10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 298 pcs<br/><div>RFQ</div></div>  |
|  <div><b>MK20DX256VMC10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 121BGA<br/>In stock: 619 pcs<br/><div>RFQ</div></div>     |  <div><b>MK20DX256VMB7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 81BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>MK20DX256VMC7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 121BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>MK20DX256ZVMC10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 121BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |

