

MK11DN512AVLK5



Part Number: [MK11DN512AVLK5](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 80LQFP

Data sheet:  [K11\\_MC5 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

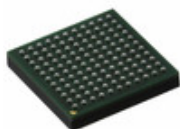
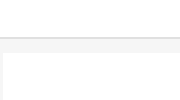
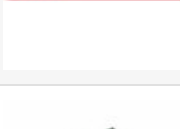
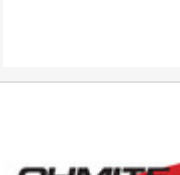
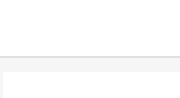
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                  |                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | MK11DN512AVLK5                            | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 512KB FLASH 80LQFP           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 13669 pcs                                 | Data sheet                       | <a href="#">K11_MC5 Datasheet</a>                                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.71 V ~ 3.6 V                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 80-LQFP (12x12)                           | Speed                            | 50MHz                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | Kinetis K10                               | RAM Size                         | 64K x 8                                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                     | Program Memory Size              | 512KB (512K x 8)                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT | Packaging                        | Tray                                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 80-LQFP                                   | Other Names                      | 935316235557                                                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                             | 60                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                           | 13 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                         | Detailed Description             | ARM® Cortex®-M4 Kinetis K10 Microcontroller IC 32-Bit 50MHz 512KB (512K x 8) FLASH 80-LQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 24x16b                                | Core Size                        | 32-Bit                                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                            | ARM® Cortex®-M4                           | Connectivity                     | I <sup>2</sup> C, IrDA, SPI, UART/USART                                                            |
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|  | Part#: <a href="#">MK11DN512VLK5R</a><br>Description: IC MCU 32BIT 512KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MK11DX128VMC5</a><br>Description: IC MCU 32BIT 128KB FLASH 121BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MK1151FE-R52</a><br>Description: RES 1.15K OHM 1/4W 1% AXIAL        | Manufacturers: <a href="#">Ohmite</a>                         | <div>RFQ</div> |
|  | Part#: <a href="#">MK1132FE-R52</a><br>Description: RES 11.3K OHM 1/4W 1% AXIAL        | Manufacturers: <a href="#">Ohmite</a>                         | <div>RFQ</div> |
|  | Part#: <a href="#">MK11DX128AVLK5</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MK11DN512VMC5</a><br>Description: IC MCU 32BIT 512KB FLASH 121BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MK1153FE-R52</a><br>Description: RES 115K OHM 1/4W 1% AXIAL         | Manufacturers: <a href="#">Ohmite</a>                         | <div>RFQ</div> |
|  | Part#: <a href="#">MK11DX128AVMC5</a><br>Description: IC MCU 32BIT 128KB FLASH 121BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MK1131FE-R52</a><br>Description: RES 1.13K OHM 1/4W 1% AXIAL        | Manufacturers: <a href="#">Ohmite</a>                         | <div>RFQ</div> |
|  | Part#: <a href="#">MK1152FE-R52</a><br>Description: RES 11.5K OHM 1/4W 1% AXIAL        | Manufacturers: <a href="#">Ohmite</a>                         | <div>RFQ</div> |
|  | Part#: <a href="#">MK11DX256AVLK5</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MK11DN512VLK5</a><br>Description: IC MCU 32BIT 512KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MK11DN512AVLK5R</a><br>Description: KINETIS K 32-BIT MCU ARM CORTEX | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MK1133FE-R52</a><br>Description: RES 113K OHM 1/4W 1% AXIAL         | Manufacturers: <a href="#">Ohmite</a>                         | <div>RFQ</div> |
|  | Part#: <a href="#">MK1150FE-R52</a><br>Description: RES 115 OHM 1/4W 1% AXIAL          | Manufacturers: <a href="#">Ohmite</a>                         | <div>RFQ</div> |
|  | Part#: <a href="#">MK1182FE-R52</a><br>Description: RES 11.8K OHM 1/4W 1% AXIAL        | Manufacturers: <a href="#">Ohmite</a>                         | <div>RFQ</div> |
|  | Part#: <a href="#">MK11DX128VLK5</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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