

NXP Semiconductors / Freescale



MK40DN512VLK10

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK40DN512VLK10                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 80LQFP                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 7487 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

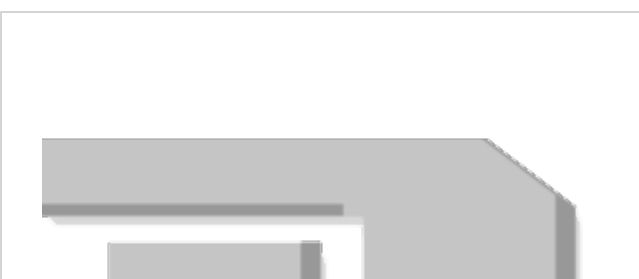
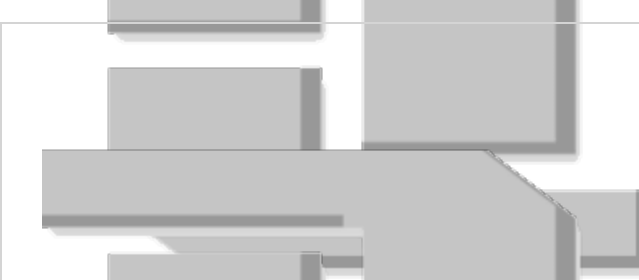
Specifications of MK40DN512VLK10

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK40DN512VLK10                                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 80LQFP                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                          |
| QUANTITY AVAILABLE               | 7487 pcs                                                                                            |
| DATA SHEET                       |                                                                                                     |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 80-LQFP (12x12)                                                                                     |
| SPEED                            | 100MHz                                                                                              |
| SERIES                           | Kinetis K40                                                                                         |
| RAM SIZE                         | 128K x 8                                                                                            |
| PROGRAM MEMORY TYPE              | FLASH                                                                                               |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                    |
| PERIPHERALS                      | DMA, I²S, LCD, LVD, POR, PWM, WDT                                                                   |
| PACKAGING                        | Tray                                                                                                |
| PACKAGE / CASE                   | 80-LQFP                                                                                             |
| OTHER NAMES                      | 935319887557                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                  |
| NUMBER OF I/O                    | 52                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                          |
| EEPROM SIZE                      | -                                                                                                   |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K40 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 80-LQFP (12x12) |
| DATA CONVERTERS                  | A/D 27x16b, D/A 1x12b                                                                               |
| CORE SIZE                        | 32-Bit                                                                                              |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                     |
| CONNECTIVITY                     | CANbus, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG                                                |
| BASE PART NUMBER                 | MK40DN512                                                                                           |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| MK40DN512VLK10               | MK40DN512VLK10 Distributor        | MK40DN512VLK10 Supplier  |
| MK40DN512VLK10 Price         | MK40DN512VLK10 Pictures           | MK40DN512VLK10 Image     |
| MK40DN512VLK10 PDF Datasheet | MK40DN512VLK10 Download Datasheet | MK40DN512VLK10 Datasheet |
| MK40DN512VLK10 Stock         | Buy MK40DN512VLK10                | Buy MK40DN512VLK10       |
| MK40DN512VLK10               | Supplier                          | Distributor              |

Related Products

|                                                                                                                                                                                                                              |                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>MK40DN512VMD10</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 7834 pcs</p> <p>RFQ</p>    |  <p><b>MK40DX128VLL7</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 10408 pcs</p> <p>RFQ</p>  |
|  <p><b>MK4020FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 402 OHM 1/4W 1% AXIAL<br/>In stock: 10621064 pcs</p> <p>RFQ</p>     |  <p><b>MK40DX128VMB7</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 128KB FLASH 81BGA<br/>In stock: 2820 pcs</p> <p>RFQ</p>     |
|  <p><b>MK40DN512VLL10</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 7981 pcs</p> <p>RFQ</p>   |  <p><b>MK40DN512ZVLQ10</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 6879 pcs</p> <p>RFQ</p> |
|  <p><b>MK40DN512ZVLL10</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 10991 pcs</p> <p>RFQ</p> |  <p><b>MK4022FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 40.2K OHM 1/4W 1% AXIAL<br/>In stock: 11274593 pcs</p> <p>RFQ</p>  |
|  <p><b>MK40DN512ZVMD10</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 7882 pcs</p> <p>RFQ</p>   |  <p><b>MK40DN512VLQ10</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 6602 pcs</p> <p>RFQ</p>  |
|  <p><b>MK40DX128VLH7</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 12637 pcs</p> <p>RFQ</p>    |  <p><b>MK40DX128VLK7</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 128KB FLASH 80LQFP<br/>In stock: 9885 pcs</p> <p>RFQ</p>    |

