

NXP Semiconductors / Freescale



### MK22FX512AVMD12

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK22FX512AVMD12                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 144BGA                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6986 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

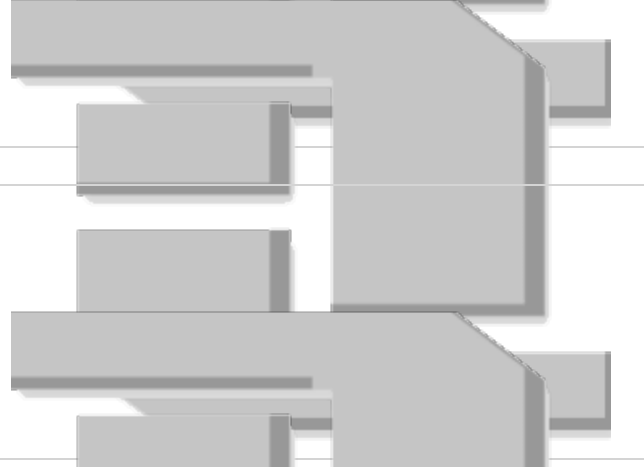
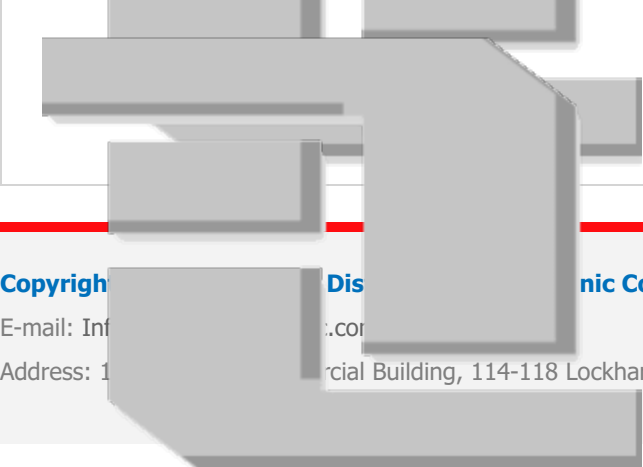
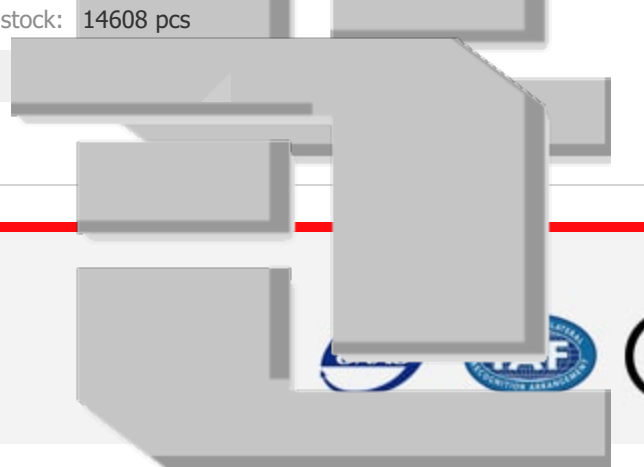
#### Specifications of MK22FX512AVMD12

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK22FX512AVMD12                                                                                        |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                         |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144BGA                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE               | 6986 pcs                                                                                               |
| DATA SHEET                       |                                                                                                        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 144-MAPBGA (13x13)                                                                                     |
| SPEED                            | 120MHz                                                                                                 |
| SERIES                           | Kinetis K20                                                                                            |
| RAM SIZE                         | 64K x 8                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                  |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                       |
| PERIPHERALS                      | DMA, I²S, LVD, POR, PWM, WDT                                                                           |
| PACKAGING                        | Tray                                                                                                   |
| PACKAGE / CASE                   | 144-LBGA                                                                                               |
| OTHER NAMES                      | 935323801557                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                     |
| NUMBER OF I/O                    | 100                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| EEPROM SIZE                      | -                                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13) |
| DATA CONVERTERS                  | A/D 42x16b, D/A 2x12b                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                        |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, SPI, UART/USART, USB, USB OTG                                              |

#### Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MK22FX512AVMD12               | MK22FX512AVMD12 Distributor        | MK22FX512AVMD12 Supplier  |
| MK22FX512AVMD12 Price         | MK22FX512AVMD12 Pictures           | MK22FX512AVMD12 Image     |
| MK22FX512AVMD12 PDF Datasheet | MK22FX512AVMD12 Download Datasheet | MK22FX512AVMD12 Datasheet |
| MK22FX512AVMD12 Stock         | Buy MK22FX512AVMD12                | Buy MK22FX512AVMD12       |
| MK22FX512AVMD12               | Supplier                           | Distributor               |

#### Related Products

|                                                                                    |                                                                                                                                       |                                                                                      |                                                                                                                                                                   |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>MK22FX512VLLH12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br>In stock: 10192 pcs<br><div>RFQ</div> |  | <b>MK22FX512AVLL12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br>In stock: 10125 pcs<br><div>RFQ</div>                            |
|  | <b>MK22FX512AVMC12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 121BGA<br>In stock: 8417 pcs<br><div>RFQ</div>  |  | <b>MK22FX512VLL12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br>In stock: 8842 pcs<br><div>RFQ</div>                              |
|  | <b>MK22FX512VLQ12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br>In stock: 10562 pcs<br><div>RFQ</div> |  | <b>MK22FX512VMC12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 121BGA<br>In stock: 10430 pcs<br><div>RFQ</div>                              |
|  | <b>MK22FX512AVLK12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br>In stock: 9570 pcs<br><div>RFQ</div>  |  | <b>MK22FX512VLQ12R</b><br>Manufacturers: NXP<br>Description: KINETIS K 32-BIT MCU ARM CORTEX<br>In stock: 10405 pcs<br><div>RFQ</div>                             |
|  | <b>MK22FX512AVLH12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br>In stock: 7338 pcs<br><div>RFQ</div>  |  | <b>MK22FX512AVLH12R</b><br>Manufacturers: NXP Semiconductors / Freescale<br>Description: KINETIS K 32-BIT MCU ARM CORTEX<br>In stock: 14608 pcs<br><div>RFQ</div> |
|  | <b>MK22FX512VLK12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br>In stock: 11210 pcs<br><div>RFQ</div>  |  | <b>MK22FX512AVLQ12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br>In stock: 8284 pcs<br><div>RFQ</div>                             |

