

MK50DX128CLL7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK50DX128CLL7                                                                                                |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 128KB FLASH 100LQFP                                                                             |
|                     |  1.MK50DX128CLL7.pdf        |
|                     |  2.MK50DX128CLL7.pdf        |
|                     |  3.MK50DX128CLL7.pdf        |
|                     |  4.MK50DX128CLL7.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

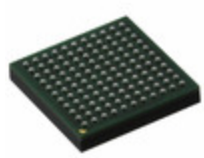
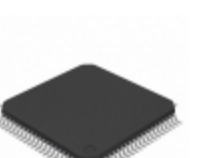
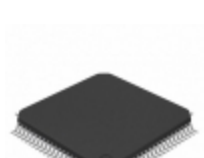
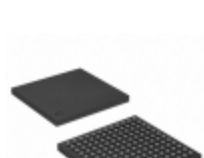
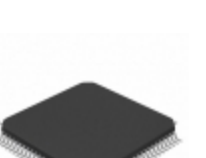
Specifications of MK50DX128CLL7

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK50DX128CLL7                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                                                                                                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 100LQFP                                                                                                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                               |
| DATA SHEET                       |  1.MK50DX128CLL7.pdf<br> 2.MK50DX128CLL7.pdf<br> 3.MK50DX128CLL7.pdf<br> 4.MK50DX128CLL7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SPEED                            | 72MHz                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SERIES                           | Kinetis K50                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PERIPHERALS                      | DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OTHER NAMES                      | 935323287557                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 59                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 K50 Microcontroller IC 32-Bit 72MHz 128KB (128K x 8) FLASH 100-LQFP (14x14)                                                                                                                                                                                                                                                                                                                                      |
| DATA CONVERTERS                  | A/D 34x16b, D/A 1x12b                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CONNECTIVITY                     | EBI/EMI, I <sup>2</sup> C, IrDA, SPI, UART/USART, USB, USB OTG                                                                                                                                                                                                                                                                                                                                                                           |
| BASE PART NUMBER                 | MK50DX128                                                                                                                                                                                                                                                                                                                                                                                                                                |

Related Tags

|                                              |                                         |                                                  |
|----------------------------------------------|-----------------------------------------|--------------------------------------------------|
| NXP Semiconductors / Freescale MK50DX128CLL7 | MK50DX128CLL7 Distributor               | MK50DX128CLL7 Supplier                           |
| MK50DX128CLL7 Price                          | MK50DX128CLL7 Pictures                  | MK50DX128CLL7 Image                              |
| MK50DX128CLL7 PDF Datasheet                  | MK50DX128CLL7 Download Datasheet        | MK50DX128CLL7 Datasheet                          |
| MK50DX128CLL7 Stock                          | Buy MK50DX128CLL7                       | Buy NXP Semiconductors / Freescale MK50DX128CLL7 |
| NXP Semiconductors / Freescale MK50DX128CLL7 | NXP Semiconductors / Freescale Supplier | NXP Semiconductors / Freescale Distributor       |
| NXP Semiconductors / Freescale MK50DX128CLL7 | NXP Semiconductors MK50DX128CLL7        | Freescale MK50DX128CLL7                          |
| Freescale Semiconductor - NXP MK50DX128CLL7  | NXP USA Inc. MK50DX128CLL7              |                                                  |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MK50DX256CMC10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 121BGA<br/>In stock: 696 pcs<br/><b>RFQ</b></div>     |  <div><b>MK50DX128CLH7R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MK50DN512ZCLQ10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>MK50DX128CLH7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 154 pcs<br/><b>RFQ</b></div>    |
|  <div><b>MK50DX128CMC7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 121BGA<br/>In stock: 348 pcs<br/><b>RFQ</b></div>      |  <div><b>MK50DX256CLL7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 90 pcs<br/><b>RFQ</b></div>    |
|  <div><b>MK50DN512ZCLL10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>MK50DX128CLK7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 80LQFP<br/>In stock: 102 pcs<br/><b>RFQ</b></div>    |
|  <div><b>MK50DX256CLK10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 80LQFP<br/>In stock: 16 pcs<br/><b>RFQ</b></div>      |  <div><b>MK50DX256CLL10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 60 pcs<br/><b>RFQ</b></div>   |
|  <div><b>MK50DN512CMD10R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>MK50DX256CLK7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 80LQFP<br/>In stock: 66 pcs<br/><b>RFQ</b></div>     |