



NXP Semiconductors / Freescale

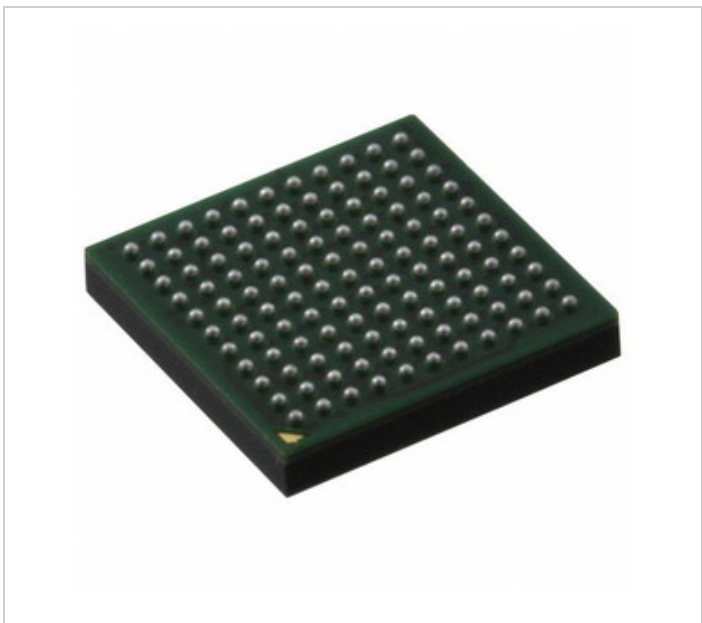


Image may be representation. See specifications for product details.

MKL46Z256VMC4

|                     |                                                                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MKL46Z256VMC4                                                                                                                                                                           |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                                                                                          |
| Product description | IC MCU 32BIT 256KB FLASH 121BGA                                                                                                                                                         |
|                     | <div>PDF</div> <div>1.MKL46Z256VMC4.pdf</div> <div>PDF</div> <div>2.MKL46Z256VMC4.pdf</div> <div>PDF</div> <div>3.MKL46Z256VMC4.pdf</div> <div>PDF</div> <div>4.MKL46Z256VMC4.pdf</div> |
| Datasheets:         |                                                                                                                                                                                         |
| RoHS Status         | <div>  Lead free / RoHS Compliant </div>                                                               |
| Ship From           | Hong Kong                                                                                                                                                                               |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                   |

REQUEST FOR QUOTATION

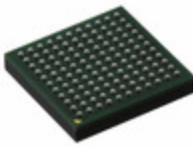
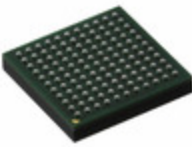
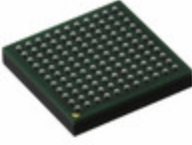
Specifications of MKL46Z256VMC4

|                                  |                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MKL46Z256VMC4                                                                                                                                                                           |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 121BGA                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                              |
| DATA SHEET                       | <div>PDF</div> <div>1.MKL46Z256VMC4.pdf</div> <div>PDF</div> <div>2.MKL46Z256VMC4.pdf</div> <div>PDF</div> <div>3.MKL46Z256VMC4.pdf</div> <div>PDF</div> <div>4.MKL46Z256VMC4.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 121-MAPBGA (8x8)                                                                                                                                                                        |
| SPEED                            | 48MHz                                                                                                                                                                                   |
| SERIES                           | Kinetis KL4                                                                                                                                                                             |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                   |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LVD, POR, PWM, WDT                                                                                                                                    |
| PACKAGING                        | Tray                                                                                                                                                                                    |
| PACKAGE / CASE                   | 121-LFBGA                                                                                                                                                                               |
| OTHER NAMES                      | 935320083557                                                                                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                      |
| NUMBER OF I/O                    | 84                                                                                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                              |
| EEPROM SIZE                      | -                                                                                                                                                                                       |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ Kinetis KL4 Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 121-MAPBGA (8x8)                                                                                    |
| DATA CONVERTERS                  | A/D - 16bit, D/A - 12bit                                                                                                                                                                |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                                                                                        |
| CONNECTIVITY                     | I²C, LINbus, SPI, UART/USART, USB, USB OTG                                                                                                                                              |
| BASE PART NUMBER                 | MKL46Z256                                                                                                                                                                               |

Related Tags

|                                              |                                         |                                                  |
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| NXP Semiconductors / Freescale MKL46Z256VMC4 | NXP Semiconductors MKL46Z256VMC4        | Freescale MKL46Z256VMC4                          |
| Freescale Semiconductor - NXP MKL46Z256VMC4  | NXP USA Inc. MKL46Z256VMC4              |                                                  |

Related Products

|                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>  </div> <div> <b>MKL43Z256VMP4</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: IC MCU 32BIT 256KB FLASH 64LFBGA<br/> In stock: 490 pcs </div> <div> RFQ </div>    | <div>  </div> <div> <b>MKL46Z256VLL4</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/> In stock: 95 pcs </div> <div> RFQ </div>    |
| <div>  </div> <div> <b>MKL81Z128CBH7R</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: KINETIS L 32-BIT MCU ARM CORTEX-<br/> In stock: Out stock </div> <div> RFQ </div> | <div>  </div> <div> <b>MKL81Z128VLK7</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: KINETIS KL81: 72MHZ CORTEX-M0+ S<br/> In stock: 95 pcs </div> <div> RFQ </div>    |
| <div>  </div> <div> <b>MKL46Z128VMC4</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: IC MCU 32BIT 128KB FLASH 121BGA<br/> In stock: 346 pcs </div> <div> RFQ </div>     | <div>  </div> <div> <b>MKL81Z128VMC7R</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: KINETIS L 32-BIT MCU ARM CORTEX<br/> In stock: Out stock </div> <div> RFQ </div> |
| <div>  </div> <div> <b>MKL46Z128VLL4</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/> In stock: 176 pcs </div> <div> RFQ </div>    | <div>  </div> <div> <b>MKL46Z256VMP4</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: KINETIS KL46: 48MHZ CORTEX-M0+ U<br/> In stock: 640 pcs </div> <div> RFQ </div>   |
| <div>  </div> <div> <b>MKL46Z128VLH4</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/> In stock: 98 pcs </div> <div> RFQ </div>      | <div>  </div> <div> <b>MKL81Z128VMC7</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: KINETIS L 32-BIT MCU ARM CORTEX<br/> In stock: 348 pcs </div> <div> RFQ </div>    |
| <div>  </div> <div> <b>MKL81Z128VMP7</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: KINETIS KL81: 72MHZ CORTEX-M0+ S<br/> In stock: Out stock </div> <div> RFQ </div>  | <div>  </div> <div> <b>MKL46Z256VLH4</b><br/> Manufacturers: NXP Semiconductors / Freescale<br/> Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/> In stock: 914 pcs </div> <div> RFQ </div>    |