

MKE04Z128VLH4R



Part Number: [MKE04Z128VLH4R](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: KINETIS KE04: 48MHZ CORTEX-M0+ 5

Data sheet:  [MKE04Z\(64,128\)Vxx4](#)

RoHs Status:

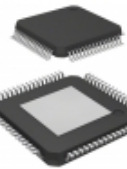
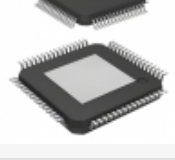
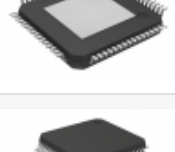
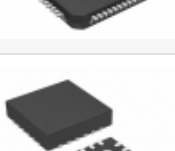
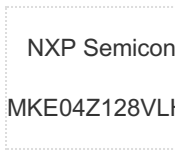
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MKE04Z128VLH4R                            | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KINETIS KE04: 48MHZ CORTEX-M0+ 5          | Lead Free Status / RoHS Status   |                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 36605 pcs                                 | Data sheet                       | <a href="#">MKE04Z(64,128)Vxx4</a>                                                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64-LQFP (10x10)                           | Speed                            | 48MHz                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Kinetis KE04                              | RAM Size                         | 16K x 8                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size              | 128KB (128K x 8)                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LVD, PWM, WDT                             | Packaging                        | Tape & Reel (TR)                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 64-LQFP                                   | Other Names                      | 935320756528                                                                                         |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                   |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 58                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description             | ARM® Cortex®-M0+ Kinetis KE04 Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 16x12b, D/A 2x6b                      | Core Size                        | 32-Bit                                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M0+                          | Connectivity                     | I²C, SPI, UART/USART                                                                                 |
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|  | Part#: <a href="#">MKE04Z128VLD4</a><br>Description: IC MCU 32BIT 128KB FLASH 44LQFP   | Manufacturers: <a href="#">NXP USA Inc.</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z64VLD4R</a><br>Description: KINETIS KE02: 40MHZ CORTEX-M0+ 5  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE04Z64VLK4R</a><br>Description: IC MCU 32BIT 64KB FLASH 80LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE04Z128VLK4</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MKE02Z64VLD4</a><br>Description: IC MCU 32BIT 64KB FLASH 44LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z64VLH4R</a><br>Description: KINETIS KE02: 40MHZ CORTEX-M0+ 5  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MKE04Z128VLH4</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z64VLD2</a><br>Description: IC MCU 32BIT 64KB FLASH 44LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE04Z8VFK4R</a><br>Description: KINETIS KE04: 48MHZ CORTEX-M0+ 5   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z64VQH2</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE04Z128VQH4</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE04Z8VFK4</a><br>Description: IC MCU 32BIT 8KB FLASH 24QFN        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE04Z64VLD4</a><br>Description: IC MCU 32BIT 64KB FLASH 44LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z64VLH2</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE04Z64VLK4</a><br>Description: IC MCU 32BIT 64KB FLASH 80LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE04Z64VLH4</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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