

MKE18F256VLH16



Part Number: [MKE18F256VLH16](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: KINETIS KE18F: 160MHZ CORTEX-M4F

Data sheet:  [MKE1xF512VLx16](#), [MKE1xF256VLx16](#)

RoHs Status:

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                        |                                  |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MKE18F256VLH16                                                                                         | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KINETIS KE18F: 160MHZ CORTEX-M4F                                                                       | Lead Free Status / RoHS Status   |                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 23041 pcs                                                                                              | Data sheet                       | <a href="#">MKE1xF512VLx16</a> ,<br><a href="#">MKE1xF256VLx16</a><br>2.7 V ~ 5.5 V |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                                              | Voltage - Supply (Vcc/Vdd)       |                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64-LQFP (10x10)                                                                                        | Speed                            | 168MHz                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Kinetis KE1xF                                                                                          | RAM Size                         | 64K x 8                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                                                  | Program Memory Size              | 256KB (256K x 8)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DMA, LVD, PWM, WDT                                                                                     | Packaging                        | Tray                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 64-LQFP                                                                                                | Other Names                      | 568-14483<br>935316207557<br>MKE18F256VLH16-ND                                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                                                               | Operating Temperature            | -40°C ~ 105°C (TA)                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 58                                                                                                     | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                       |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13 Weeks                                                                                               | EEPROM Size                      | 68K x 8                                                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ARM® Cortex®-M4F Kinetis KE1xF Microcontroller IC 32-Bit 168MHz 256KB (256K x 8) FLASH 64-LQFP (10x10) | Data Converters                  | A/D 16x12b, D/A 1x12b                                                               |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32-Bit                                                                                                 | Core Processor                   | ARM® Cortex®-M4F                                                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CANbus, FlexIO, I²C, SPI, UART/USART                                                                   |                                  |                                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                |
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|  | Part#: <a href="#">MKE14Z256VLH7R</a><br>Description: MT256P PHANTOM 64LQFP            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE38P600LB</a><br>Description: MOSFET N-CH 600V 50A SMPD           | Manufacturers: <a href="#">IXYS Corporation</a>               | <div>RFQ</div> |
|  | Part#: <a href="#">MKE38P600LB-TRR</a><br>Description: MOSFET N-CH 600V 50A SMPD       | Manufacturers: <a href="#">IXYS Corporation</a>               | <div>RFQ</div> |
|  | Part#: <a href="#">MKE16F512VLH16</a><br>Description: KINETIS KE16F: 160MHZ CORTEX-M4F | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE15Z256VLH7</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE14Z128VLL7</a><br>Description: KINETIS KE14Z: 72MHZ CORTEX-M0+   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE18F512VLH16</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE38P600TLB</a><br>Description: MOSFET N-CH                        | Manufacturers: <a href="#">IXYS Corporation</a>               | <div>RFQ</div> |
|  | Part#: <a href="#">MKE16F512VLL16</a><br>Description: KINETIS KE16F: 160MHZ CORTEX-M4F | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MKE15Z128VLH7</a><br>Description: KINETIS KE1XZ256 MCUS             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE38P600TLB-TRR</a><br>Description: MOSFET N-CH                    | Manufacturers: <a href="#">IXYS Corporation</a>               | <div>RFQ</div> |
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|  | Part#: <a href="#">MKE38RK600DFELB</a><br>Description: MOSFET N-CH 600V 50A SMPD       | Manufacturers: <a href="#">IXYS Corporation</a>               | <div>RFQ</div> |
|  | Part#: <a href="#">MKE38RK600DFELB-TRR</a><br>Description: MOSFET N-CH 600V 50A SMPD   | Manufacturers: <a href="#">IXYS Corporation</a>               | <div>RFQ</div> |
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|  | Part#: <a href="#">MKE15Z128VLL7</a><br>Description: KINETIS KE15Z: 72MHZ CORTEX-M0    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE14Z256VLL7</a><br>Description: KINETIS KE14Z: 72MHZ CORTEX-M0+   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE18F512VLL16</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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