

MK66FX1M0VLQ18

MK66FX1M0VLQ18 Information

| www.beisenen.com | Part Number Manufacturer Category Description Package | MK66FX1M0VLQ18 NXP Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 1MB FLASH 114LQFP 144-LQFP For the pricing/inventory/lead time, please contact | |
|--------------------|---|--|-----------------|
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MK66FX1M0VLQ18 Specifications

| Manufacturer Part Number MK66FX1M0VLQ18 Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 144-LQFP Series Kinetis K60 Core Processor ARM? Cortex?-M4 Core Size 32-Bit Speed 180MHz Connectivity CAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTG Peripherals DMA, 12S, LVD, POR, PWM, WDT Number of I/O 100 Program Memory Size IMB (1M x 8) Program Memory Type FLASH KAM Size Sof6 x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters AD 2x16b, D/A 2x12b Oscillator Type Internal Operating Temperature 4.0°C c 105°C (TA) Mounting Type - Package / Case 144-LQFP Stepper Lenser 144-LQFP | | | | |
|--|----------------------------|--|--|--|
| CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesKineis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed180/HzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeHB (1M x 8)FPROM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD2 x16b, D/A 2x12bOscillator TypeInternalOperating Temperature4.0°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20) | Manufacturer Part Number | MK66FX1M0VLQ18 | | |
| Embedded - MicrocontrollersPackage144-LQFPSeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed180MHzConcetivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)FPROM Size4K x 8RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalMounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | Manufacturer | NXP | | |
| Package144-LQFPSeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed180MHzConectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)EPROM SizeSeK x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersADD 2x16b, D/A 2x12bOscillator Type4.0°C ~ 105°C (TA)Porting Temperature4.0°C ~ 105°C (TA)Porkage / Case144-LQFP (20x20) | Category | Integrated Circuits (ICs) | | |
| SeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed180MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator Type-Portaing Temperature-Mounting Type-Package / Case144-LQFP (20x20) | | Embedded - Microcontrollers | | |
| Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed180MHzConnectivityCAN, EBJ/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VOscillator TypeJonOscillator Type-Mounting Type-Program Size44-LQFP (20x20) | Package | 144-LQFP | | |
| Core Size32-BitSpeed180MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (IM x 8)Program Memory TypeFLASHEEPROM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAM2 x16b, D/A 2x12bOscillator Type40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20) | Series | Kinetis K60 | | |
| Speed180MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 2x16b, D/A 2x12bOperating Temperature-00°C ~ 105°C (TA)Mouning Type-Package / Case144-LQFP (20x20) | Core Processor | ARM? Cortex?-M4 | | |
| Connectivity CAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG Peripherals DMA, I2S, LVD, POR, PWM, WDT Number of I/O 100 Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size 4K x 8 Voltage - Supply (Vcc/Vda) 1.71 V ~ 3.6 V Data Converters AD 2x16b, D/A 2x12b Oscillator Type Internal Operating Temperature 40°C ~ 105°C (TA) Package / Case 144-LQFP (20x20) | Core Size | 32-Bit | | |
| PeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size4K x 8RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (2020) | Speed | 180MHz | | |
| Number of I/O100Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size4K x 8RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20) | Connectivity | CAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG | | |
| Program Memory SizeIMB (IM x 8)Program Memory TypeFLASHEEPROM Size4K x 8RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20) | Peripherals | DMA, I2S, LVD, POR, PWM, WDT | | |
| Program Memory TypeFLASHEEPROM Size4K x 8RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | Number of I/O | 100 | | |
| EEPROM Size4K x 8RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | Program Memory Size | 1MB (1M x 8) | | |
| RAM Size256K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | Program Memory Type | FLASH | | |
| Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | EEPROM Size | 4K x 8 | | |
| Data ConvertersA/D 2x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | RAM Size | 256K x 8 | | |
| Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | Voltage - Supply (Vcc/Vdd) | 1.71 V ~ 3.6 V | | |
| Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | Data Converters | A/D 2x16b, D/A 2x12b | | |
| Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | Oscillator Type | Internal | | |
| Package / Case144-LQFPSupplier Device Package144-LQFP (20x20) | Operating Temperature | -40°C ~ 105°C (TA) | | |
| Supplier Device Package144-LQFP (20x20) | Mounting Type | - | | |
| | Package / Case | 144-LQFP | | |
| Report errors? | Supplier Device Package | 144-LQFP (20x20) | | |
| | | Report errors? | | |

MK66FX1M0VLQ18 Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

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Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

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