

# MK22FN256VLL12R

#### MK22FN256VLL12R Information

| Heisener.com       | Part Number<br>Manufacturer<br>Category<br>Description<br>Package | MK22FN256VLL12R<br>NXP<br>Integrated Circuits (ICs)<br>Embedded - Microcontrollers<br>KINETIS K 32-BIT MCU ARM CORTEX<br>-<br>For the pricing/inventory/lead time, please contact |                 |
|--------------------|---|---|-----------------|
| For Reference Only |   | us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com   | Request a Quote |

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## MK22FN256VLL12R Specifications

| ManufacturerNXPCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage-SeriesKinetis K20Core ProcessorARM® Cortex@-M4Core Size32-BitSpeed120MHzConnectivityPC, IrDA, SPI, UART/USART, USB, USB OTGPorpineralsDMA, P'S, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)EEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1,71 v - 3.6 VData ConvertersAnd Size (D, A) Size (D, |                            |  |                |
|---|----------------------------|--|----------------|
| CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage-SeriesKinetis K20Core ProcessorARM® Cortex@-M4Core Size32-BitSpeed120MHzConnectivityPC, IrDA, SPI, UART/USART, USB, USB OTGPeripheralsDMA, P'S, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)EEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOperating Temperature-40°C ~ 105°C (TA)Munting Type-Package / Case-Supplier Device Package-Supplier Device Package-  | Manufacturer Part Number   | MK22FN256VLL12R                          |                |
| Embedded - MicrocontrollersPackage-SeriesKinetis K20Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed120MHzConnectivityPC, IrDA, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I²S, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Package / Case-Supplier Device Package-   | Manufacturer               | NXP                                      |                |
| Package-SeriesKinetis K20Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed120MHzConnetivityPC, IrDA, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I*S, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)PERPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator Type-Package / Case-Supplier Device Package-Supplier Device Package-  | Category                   | Integrated Circuits (ICs)                |                |
| SeriesKinetis K20Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed120MHzConnectivityFC, IrDA, SPI, UART/USART, USB, USB OTGPeripheralsDMA, PS, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator Type-Mounting Type-Prakage / Case-Supplier Device Package-Supplier Device Package-   |                            | Embedded - Microcontrollers              |                |
| Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed120MHzConnectivityPC, IrDA, SPI, UART/USART, USB, USB OTGPeripheralsDMA, PS, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator Type-Porating Temperature-Pockage / Case-Supplier Device Package-Supplier Device Package-   | Package                    | -  |                |
| Core Size32-BitSpeed120MHzConnectivityPC, IrDA, SPI, UART/USART, USB, USB OTGPeripheralsDMA, PS, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Package / Case-Supplier Device Package-   | Series                     | Kinetis K20                              |                |
| Speed120MHzConnectivityPC, IrDA, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I*S, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator Type-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-  | Core Processor             | ARM® Cortex®-M4                          |                |
| ConnectivityPC, IrDA, SPI, UART/USART, USB, USB OTGPeripheralsDMA, PS, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-   | Core Size                  | 32-Bit                                   |                |
| PeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O66Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-Package / Case-Supplier Device Package-Supplier Device Package-  | Speed                      | 120MHz                                   |                |
| Number of I/O66Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-Supplier Device Package-  | Connectivity               | I²C, IrDA, SPI, UART/USART, USB, USB OTG |                |
| Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-   | Peripherals                | DMA, I2S, LVD, POR, PWM, WDT             |                |
| Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-  | Number of I/O              | 66                                       |                |
| EEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-  | Program Memory Size        | 256KB (256K x 8)                         |                |
| RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-  | Program Memory Type        | FLASH                                    |                |
| Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-   | EEPROM Size                | -  |                |
| Data ConvertersA/D 33x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-   | RAM Size                   | 48K x 8                                  |                |
| Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-And Case-And Case <td< td=""><td>Voltage - Supply (Vcc/Vdd)</td><td>1.71 V ~ 3.6 V</td><td></td></td<>   | Voltage - Supply (Vcc/Vdd) | 1.71 V ~ 3.6 V                           |                |
| Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-Supplier Device Package-  | Data Converters            | A/D 33x16b, D/A 1x12b                    |                |
| Mounting Type-Package / Case-Supplier Device Package-Supplier Device Package-   | Oscillator Type            | Internal                                 |                |
| Package / Case-Supplier Device Package-   | Operating Temperature      | -40°C ~ 105°C (TA)                       |                |
| Supplier Device Package -   | Mounting Type              | -  |                |
|   | Package / Case             | -  |                |
| Report errors?  | Supplier Device Package    | -  |                |
|   |                            |  | Report errors? |

#### MK22FN256VLL12R 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.



#### **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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### MK22FN256VLL12R Shipping Methods



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