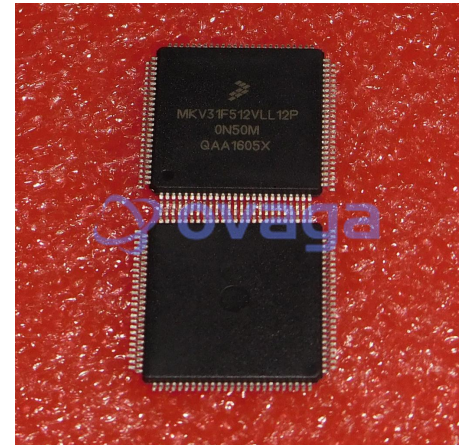


Kinetis V 32-bit MCU, ARM Cortex-M4 core, 512KB Flash, 120MHz, QFP 100, KMS Enabled

Manufacturers	NXP Semiconductor
Package/Case	100-LQFP
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MKV31F512VLL12P or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

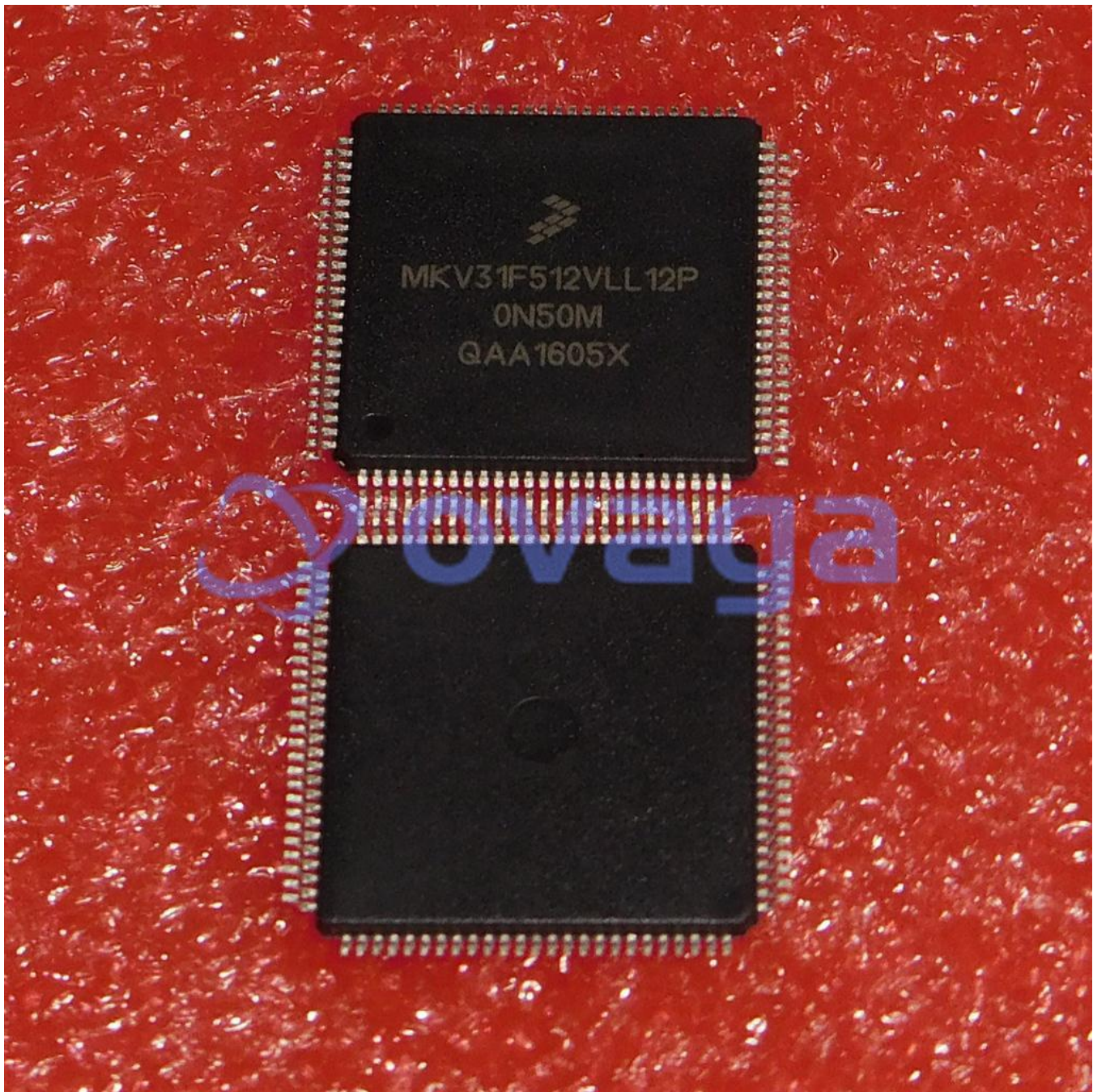
MKV31F512VLL12P is a microcontroller unit (MCU) produced by NXP Semiconductors. It belongs to the Kinetis V series of MCUs and is based on the ARM Cortex-M4 core.

Features

- CPU: ARM Cortex-M4 core running at up to 120 MHz
- Memory: 512 KB flash memory, 128 KB SRAM
- Communication interfaces: Ethernet, USB, UART, SPI, I2C, CAN
- Analog-to-digital converter (ADC) with up to 16-bit resolution
- Real-time clock (RTC)
- Security features: hardware cryptography, secure boot, and secure firmware update

Application

- Motor control
- Human-machine interface (HMI) devices
- Audio and digital signal processing (DSP) applications
- Power management systems
- Internet of Things (IoT) devices



Related Products



[MKE04Z128VLH4](#)

NXP Semiconductor
LQFP-64



[MKE02Z64VQH4](#)

NXP Semiconductor
QFP-64



[MKV46F256VLL16](#)

NXP Semiconductor
100-LQFP



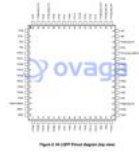
[MKL26Z256VMP4](#)

NXP Semiconductor
64-LFBGA



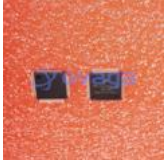
[MKL26Z128VLH4](#)

NXP Semiconductor
LQFP-64



[MKL17Z64VLH4](#)

NXP Semiconductor
LQFP-64



[MKL16Z64VLH4](#)

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LQFP-64



[MKL03Z32VFK4](#)

NXP Semiconductor
QFN-24