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MCIMX31VMN5C NXP Semiconductors Product Details 📄
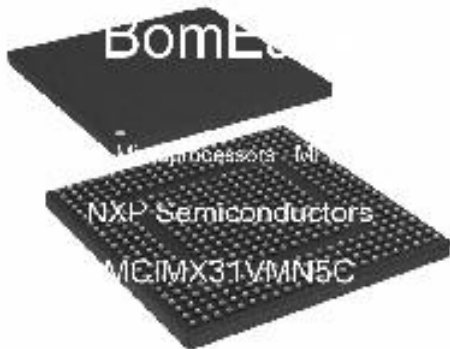
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Part Number:	MCIMX31VMN5C	
BomEasy Part:	MCIMX31VMN5C-4803739	
Category:	Microprocessors - MPU	
Manufacturer:	NXP Semiconductors	
Applications:	☑Automotive ☑Industrial ☑Enterprise systems	
Description:	IC Mpu I.MX31 532MHZ 473MAPBGA	
RoHS:	✓RoHS Lead free / RoHS Compliant	
Stock Category:	Available stock	
Stock Resource:	Franchised Distributor	
Warranty:	1 Year BomEasy Guarantee » Learn More	
EDA/CAD Models:	MCIMX31VMN5C PCB Footprint and Symbol	
Delivery:	DHL FedEx UPS TNT EMS	
Payment:	PayPal VISA MasterCard T/T Western Union WU	

MCIMX31VMN5C(NXP Semiconductors) Description

Additional information about the MCIMX31VMN5C: The MCIMX31 and MCIMX31L multimedia applications processors represent the next step in low-power, high-performance application processors. Unless otherwise specified, the material in this data sheet is applicable to both the MCIMX31 and MCIMX31L processors and referred to singularly throughout this document as MCIMX31. The MCIMX31L does not include a graphics processing unit (GPU). Based on an ARM11 microprocessor core, the MCIMX31 provides the performance with low power consumption required by modern digital devices. The MCIMX31 takes advantage of the ARM1136JF-S core running at up to 532 MHz, and is optimized for minimal power consumption using the most advanced techniques for power saving (DPTC, DVFS, power gating, clock gating). With 90 nm technology and dual-Vt transistors (two threshold voltages), the MCIMX31 provides the optimal performance versus leakage current balance. The performance of the MCIMX31 is boosted by a multi-level cache system, and features peripheral devices such as an MPEG-4 Hardware Encoder (VGA, 30 fps), an Autonomous Image Processing Unit, a Vector Floating Point (VFP11) co-processor, and a RISC-based SDMA controller. The MCIMX31 supports connections to various types of external memories, such as DDR, NAND Flash, NOR Flash, SDRAM, and SRAM. The MCIMX31 can be connected to a variety of external devices using technology, such as high-speed USB2.0 OTG, ATA, MMC/SDIO, and compact flash.

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MCIMX356AJQ   MCIMX356AJQ5CM99V   MCIMX3570JQ5C   MCIMX357CJQ5
MCIMX357CJQ5CNXP   MCIMX35GVMN4A   MCIMX35LPDK
MCIMX35LPDKJ   MCIMX35VMN4A   MCIMX35WPDK   MCIMX35WPDKJ
MCIMX37NVK5A-M25M   MCIMX37NVK5AR2   MCIMX3ALDVMN5D
MCIMX415DJM8C   MCIMX507CUMIB   MCIMX507CVM8B BGA
MCIMX508CVK8B N78A   MCIMX508CVM8B 800MHZ   MCIMX508VCK8B
MCIMX50EVK   MCIMX511DVK8C   MCIMX513DJM8C BGA
MCIMX514AJM6C-M77X   MCIMX515DJK8C   MCIMX515DJM8C BGA
MCIMX515DJM8C M77X   MCIMX515DJM8C-M77X   MCIMX515DJM8C.
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