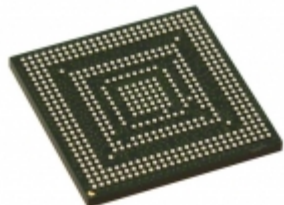


MCIMX31VKN5CR2



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MCIMX31VKN5CR2](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX31 532MHZ 457MAPBGA

Data sheet:  [MCIMX31/L](#)

RoHs Status: Lead free / RoHS Compliant

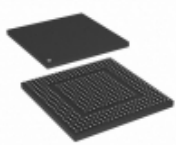
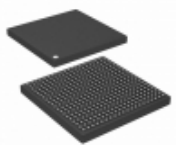
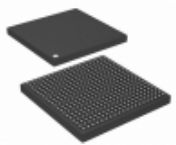
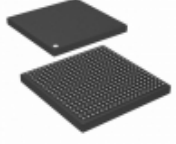
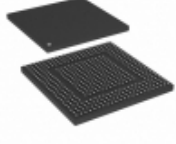
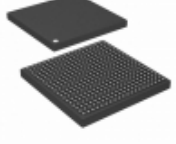
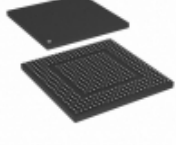
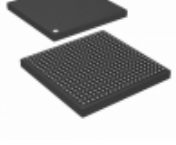
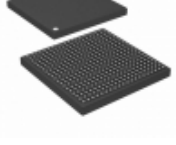
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PRODUCT PARAMETER			
Part Number	MCIMX31VKN5CR2	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX31 532MHZ 457MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4864 pcs	Data sheet	MCIMX31/L
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 2.0V, 2.5V, 2.7V, 3.0V
USB	USB 2.0 (3)	Speed	532MHz
Series	i.MX31	Security Features	Random Number Generator, RTIC, Secure Fusebox, Secure JTAG, Secure Memory
SATA	-	RAM Controllers	DDR
Packaging	Tape & Reel (TR)	Package / Case	457-LFBGA
Operating Temperature	0°C ~ 70°C (TA)	Number of Cores/Bus Width	1 Core, 32-Bit
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Graphics Acceleration	Yes	Ethernet	-
Display & Interface Controllers	Keyboard, Keypad, LCD	Detailed Description	ARM1136JF-S Microprocessor IC i.MX31 1 Core, 32-Bit 532MHz
Core Processor	ARM1136JF-S	Co-Processors/DSP	Multimedia; GPU, IPU, MPEG-4, VFP
Base Part Number	MCIMX31	Additional Interfaces	1-Wire, AC97, ATA, FIR, I ² C, I ² S, MMC/SD/SDIO, MSHC, PCMCIA, SDHC, SIM, SPI, SSI, UART

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