




NXP Semiconductors / Freescale

MCIMX31LVKN5B

Part Number:	MCIMX31LVKN5B
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MPU I.MX31 532MHZ 457MAPBGA
Datasheets:	MCIMX31LVKN5B.pdf
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.


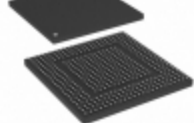



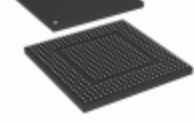
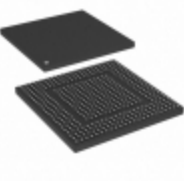
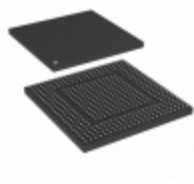




Specifications of MCIMX31LVKN5B

PART NUMBER	MCIMX31LVKN5B
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU I.MX31 532MHZ 457MAPBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	MCIMX31LVKN5B.pdf
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	Tray
PACKAGE / CASE	457-LFBGA
OPERATING TEMPERATURE	0°C ~ 70°C (TA)
NUMBER OF CORES/BUS WIDTH	1 Core, 32-Bit
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
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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 <p>MCIMX31LITEKIT Manufacturers: NXP Semiconductors / Freescale Description: EVAL BOARD FOR I.MX31 MPV In stock: Out stock</p> <p>RFQ</p>	 <p>MCIMX31LVKN5R2 Manufacturers: NXP Semiconductors / Freescale Description: IC MPU I.MX31 532MHZ 457MAPBGA In stock: Out stock</p> <p>RFQ</p>