

MCIMX515DVK8C

Part Number: [MCIMX515DVK8C](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX51 800MHZ 529BGA

Data sheet: [i.MX512/3/5 Fact Sheet](#)
 [i.MX51 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MCIMX515DVK8C	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX51 800MHZ 529BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	3120 pcs	Data sheet	i.MX512/3/5 Fact Sheet i.MX51 Datasheet
Category	Integrated Circuits (ICs)	Voltage - I/O	1.2V, 1.875V, 2.775V, 3.0V
USB	USB 2.0 (3), USB 2.0 + PHY (1)	Supplier Device Package	527-BGA (13x13)
Speed	800MHz	Series	i.MX51
Security Features	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC	SATA	-
RAM Controllers	LPDDR, DDR2	Packaging	Tray
Package / Case	527-LFBGA	Other Names	568-14068 935317113557 MCIMX515DVK8C-ND
Operating Temperature	-20°C ~ 85°C (TC)	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	10/100 Mbps (1)
Display & Interface Controllers	Keypad, LCD	Detailed Description	ARM® Cortex®-A8 Microprocessor IC i.MX51 1 Core, 32-Bit 800MHz 527-BGA (13x13)
Core Processor	ARM® Cortex®-A8	Co-Processors/DSP	Multimedia; NEON™ SIMD
Base Part Number	MCIMX515	Additional Interfaces	1-Wire, AC'97, I²C, I²S, MMC/SD, SPI, SSI, UART
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