

MCIMX6U1AVM08AC



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Part Number: [MCIMX6U1AVM08AC](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6DL 800MHZ 624MAPBGA

Data sheet: [PDF MCIMX6\(S,U\)yAyyyyyB](#)
[PDF I.MX 6 Series Fact Sheet](#)
[PDF i.MX 6Solo/6DualLite](#)
[PDF i.MX 6Solo/6DualLite Errata](#)

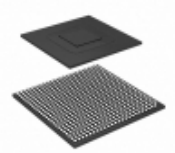
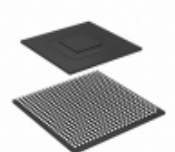
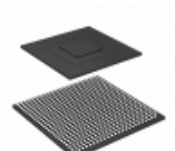
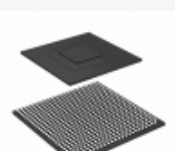
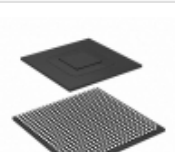
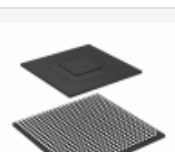
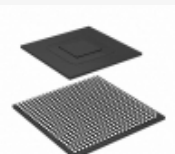
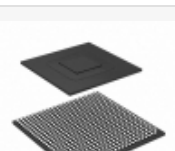
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MCIMX6U1AVM08AC	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6DL 800MHZ 624MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	3411 pcs	Data sheet	MCIMX6(S,U)yAyyyyyB I.MX 6 Series Fact Sheet i.MX 6Solo/6DualLite i.MX 6Solo/6DualLite Errata
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 2.5V, 2.8V, 3.3V
USB	USB 2.0 + PHY (4)	Supplier Device Package	624-MAPBGA (21x21)
Speed	800MHz	Series	i.MX6DL
Security Features	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection	SATA	-
RAM Controllers	LPDDR2, LVDDR3, DDR3	Packaging	Tray
Package / Case	624-LFBGA	Other Names	568-14270 935311564557 MCIMX6U1AVM08AC-ND
Operating Temperature	-40°C ~ 125°C (TJ)	Number of Cores/Bus Width	2 Core, 32-Bit
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Graphics Acceleration	Yes	Ethernet	10/100/1000 Mbps (1)
Display & Interface Controllers	Keypad, LCD	Detailed Description	ARM® Cortex®-A9 Microprocessor IC i.MX6DL 2 Core, 32-Bit 800MHz 624-MAPBGA (21x21)
Core Processor	ARM® Cortex®-A9	Co-Processors/DSP	Multimedia; NEON™ SIMD
Additional Interfaces CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, UART			
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	Part#: MCIMX6U4AVM08ACR Description: IC MPU I.MX6DL 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S8DVM10AB Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U4AVM08AB Description: IC MPU I.MX6DL 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U1AVM08ABR Description: IC MPU I.MX6DL 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S7CVM08AD Description: I.MX6 SOLO ROM PERFENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U4AVM08AC Description: IC MPU I.MX6DL 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U1AVM10AC Description: I.MX 6 SERIES 64-BIT MPU DUAL A	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6SLL-EVK Description: MCIMX6SLL-EVK	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6S7CVM08ADR Description: I.MX6 SOLO ROM PERFENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S8DVM10AC Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6U1AVM08ADR Description: I.MX6 DL ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U4AVM08AD Description: I.MX6 DL ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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