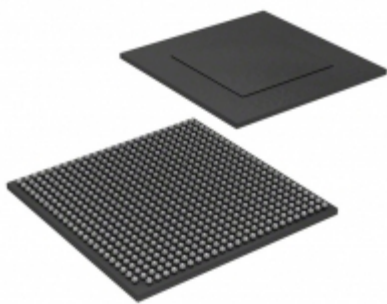


MCIMX6Q7CVT08AC



Part Number: [MCIMX6Q7CVT08AC](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6Q 800MHZ 624FCBGA

Data sheet:  [I.MX 6 Series Fact Sheet](#)
 [MCIMX6\(D,Q\)xC_C Datasheet](#)
 [i.MX 6Dual/6Quad Chip Errata](#)

RoHs Status: Lead free / RoHS Compliant

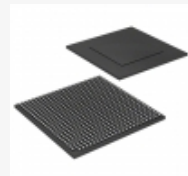
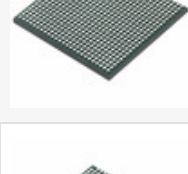
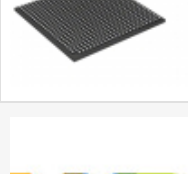
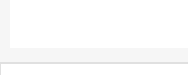
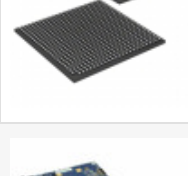
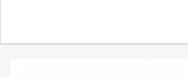
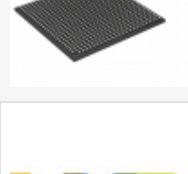
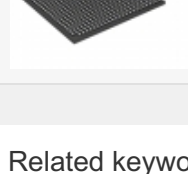
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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PRODUCT PARAMETER			
Part Number	MCIMX6Q7CVT08AC	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6Q 800MHZ 624FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1808 pcs	Data sheet	I.MX 6 Series Fact Sheet MCIMX6(D,Q)xC_C Datasheet i.MX 6Dual/6Quad Chip 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-FCBGA (21x21)
Speed	800MHz	Series	i.MX6Q
Security Features	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection	SATA	SATA 3Gbps (1)
RAM Controllers	LPDDR2, LVDDR3, DDR3	Packaging	Tray
Package / Case	624-FBGA, FCBGA	Other Names	935311044557
Operating Temperature	-40°C ~ 105°C (TA)	Number of Cores/Bus Width	4 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.MX6Q 4 Core, 32-Bit 800MHz 624-FCBGA (21x21)
Core Processor	ARM® Cortex®-A9	Co-Processors/DSP	Multimedia; NEON™ SIMD
Base Part Number	MCIMX6	Additional Interfaces	CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, UART
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	Part#: MCIMX6Q7CVT08AE Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT10ACR Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT10AD Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6Q6AVT10AE Description: IC MPU I.MX6D ENHANCED 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP5EVT2AA Description: I.MX 6QUADPLUS MPU 4X ARM CORTE	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6Q7CZK08AE Description: ARIK-Q POP ROM PERF ENHA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q7CVT08AD Description: IC MPU I.MX6Q 800MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP-SDB Description: I.MX 6QP CONSUMER DEVELOPMENT PL	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6QP4AVT1AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08AD Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT8AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q7CZK08AD Description: I.MX 6 SERIES 32-BIT MPU QUAD A	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT1AA Description: IC MPU I.MX6QP 1GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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