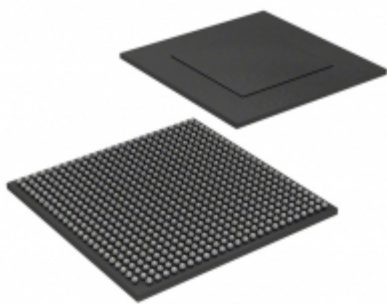


MCIMX6Q6AVT08AC



Part Number: [MCIMX6Q6AVT08AC](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6Q 852MHZ 624FCBGA

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

RoHs Status: Lead free / RoHS Compliant

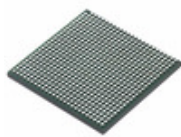
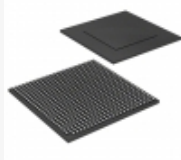
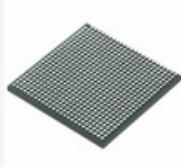
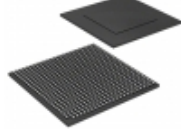
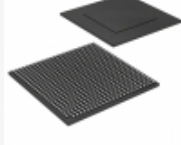
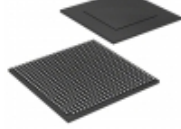
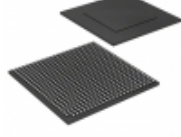
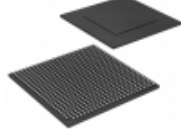
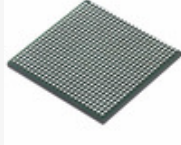
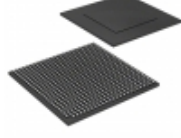
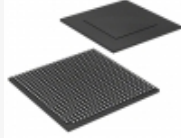
Ship From: Hong Kong

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

Images are for reference only.
See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	MCIMX6Q6AVT08AC	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6Q 852MHZ 624FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1606 pcs	Data sheet	I.MX 6 Series Fact Sheet MCIMX6(D,Q)YAyyyC 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	852MHZ	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	935311432557
Operating Temperature	-40°C ~ 125°C (TJ)	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 852MHZ 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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RELATED PRODUCTS			
	Part#: MCIMX6Q5EYM10AE Description: IC MPU I.MX6D ENHANCED 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM10ADR Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM12AE Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM12AD Description: I.MX 6 SERIES 32-BIT MPU QUAD A	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EZK08AE Description: I.MX6Q POP ROM PERF ENHA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT10AE Description: IC MPU I.MX6D ENHANCED 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT10ADR Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08ACR Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT10ACR Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM12CE Description: I.MX6DQ ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM12AC Description: I.MX 6 SERIES 32-BIT MPU QUAD A	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08AER Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT10AD Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08AE Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08AD Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM10AER Description: IC MPU I.MX6D ENHANCED 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT10AC Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08ADR Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM10CE Description: I.MX6DQ ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EZK08AD Description: I.MX 6 SERIES 32-BIT MPU DUAL A	Manufacturers: NXP Semiconductors / Freescale	RFQ

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