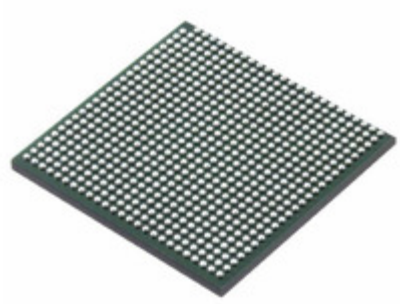


MCIMX6Q6AVT10AE



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MCIMX6Q6AVT10AE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6D ENHANCED 624FCBGA

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

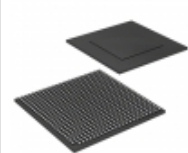
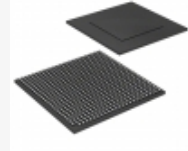
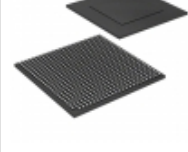
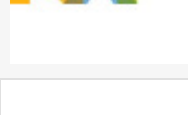
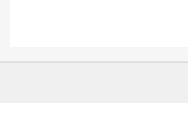
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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PRODUCT PARAMETER			
Part Number	MCIMX6Q6AVT10AE	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6D ENHANCED 624FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1483 pcs	Data sheet	I.MX 6 Series Fact Sheet i.MX 6Dual/6Quad Chip Errata MCIMX6(D,Q)xAVTxxA(C,D,E)
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	1.0GHz	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	568-13535 935357621557
Operating Temperature	-40°C ~ 125°C (TJ)	Number of Cores/Bus Width	4 Core, 32-Bit
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	15 Weeks
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 1.0GHz 624-FCBGA (21x21)	Core Processor	ARM® Cortex®-A9
Co-Processors/DSP	Multimedia; NEON™ SIMD		
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	Part#: MCIMX6Q6AVT10AD Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q7CVT08AC Description: IC MPU I.MX6Q 800MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT8AA Description: IC MPU I.MX6QP 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08AE 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#: MCIMX6Q6AVT10ADR Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08AC Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT08AD Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q7CZK08AD Description: I.MX 6 SERIES 32-BIT MPU QUAD A	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT1AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT1AA Description: IC MPU I.MX6QP 1GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP-SDB Description: I.MX 6QP CONSUMER DEVELOPMENT PL	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q7CVT08AE Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	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#: MCIMX6Q6AVT08ACR Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q6AVT10AER 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#: MCIMX6Q6AVT08AER Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ

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