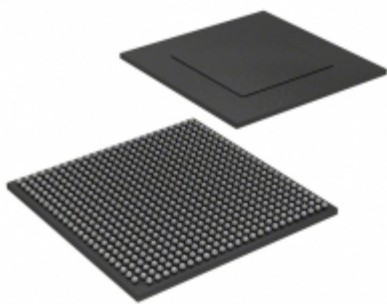


MCIMX6Q4AVT08ADR



Part Number: [MCIMX6Q4AVT08ADR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6Q 852MHZ 624FCBGA

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

RoHs Status: Lead free / RoHS Compliant

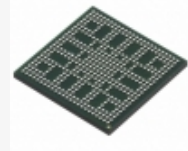
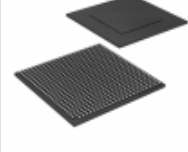
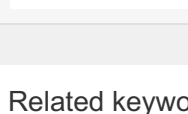
Ship From: Hong Kong

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

Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	MCIMX6Q4AVT08ADR	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6Q 852MHZ 624FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1669 pcs	Data sheet	I.MX 6 Series Fact Sheet MCIMX6(D,Q)xAyyyC 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	Tape & Reel (TR)
Package / Case	624-FBGA, FCBGA	Other Names	935317979518
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
Additional Interfaces CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, UART			
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	Part#: MCIMX6L8DVN10AB Description: IC MPU I.MX6SL 1.0GHZ 432MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6L8DVN10AC Description: I.MX 6SL ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT08AER Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT08AE Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q-SDB Description: BOARD EVAL SABRE FOR I.MX6Q	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT10AD Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT08AD Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q-SDP Description: KIT EVAL SABRE FOR I.MX6Q	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT08ACR Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6L8DVN10ABR Description: I.MX 6 SERIES 32-BIT MPU ARM CO	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM10ACR Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT10ADR Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT10ACR Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT08AC Description: IC MPU I.MX6Q 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT10AC Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q5EYM10AC Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Q4AVT10AER Description: I.MX6Q ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6L8DVN10AA Description: IC MPU I.MX6SL 1.0GHZ 432MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6L8DVN10ACR Description: I.MX 6SL ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ

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