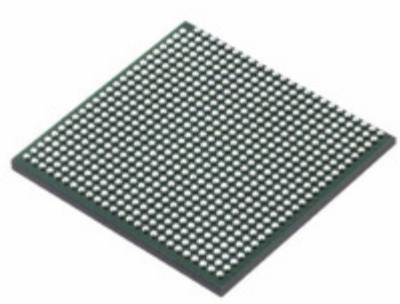


MCIMX6D4AVT08AE



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MCIMX6D4AVT08AE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6D ENHANCED 624FCBGA

Data sheet:  [I.MX 6 Series Fact Sheet](#)
 [i.MX 6Dual/6Quad Chip Errata](#)
 [MCIMX6\(D,Q\)xAVTxxA\(C,D,E\)](#)
 [iMX6D Ref Manual](#)

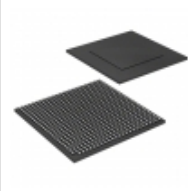
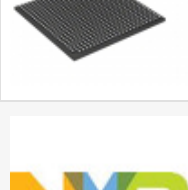
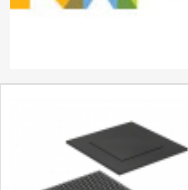
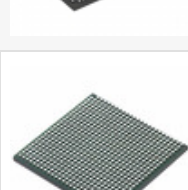
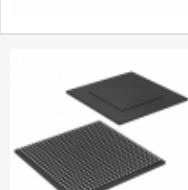
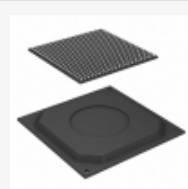
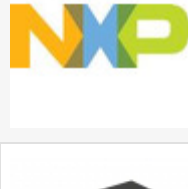
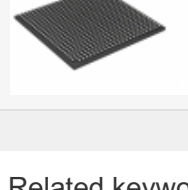
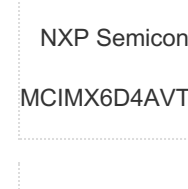
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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Request For Quotation

PRODUCT PARAMETER			
Part Number	MCIMX6D4AVT08AE	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6D ENHANCED 624FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	2201 pcs	Data sheet	I.MX 6 Series Fact Sheet i.MX 6Dual/6Quad Chip Errata MCIMX6(D,Q)xAVTxxA(C,D,E) iMX6D Ref Manual
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-FCPBGA (21x21)
Speed	852MHZ	Series	i.MX6D
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	568-13531 935357605557
Operating Temperature	-40°C ~ 125°C (TJ)	Number of Cores/Bus Width	2 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.MX6D 2 Core, 32-Bit 852MHZ 624-FCPBGA (21x21)	Core Processor	ARM® Cortex®-A9
Co-Processors/DSP	Multimedia; NEON™ SIMD		
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RELATED PRODUCTS			
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	Part#: MCIMX53SABREAI Description: KIT DEVELOPMENT AUTO I.MX53	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT08ACR Description: IC MPU I.MX6D 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX537CVV8CR2 Description: IC MPU I.MX53 800MHZ 529TEBGA-2	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT08ADR Description: IC MPU I.MX6D 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D5EYM10AD Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT10ADR Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT10AE Description: I.MX6D ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT10AD Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT08AD Description: IC MPU I.MX6D 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX537CVV8C Description: IC MPU I.MX53 800MHZ 529TEBGA-2	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT10AER Description: I.MX6D ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT10AC Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX537CVV8C2R2 Description: I.MX53 32-BIT MPU ARM CORTEX-A8	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX537CVV8C2 Description: I.MX53 32-BIT MPU ARM CORTEX-A8	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT08AC Description: IC MPU I.MX6D 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D5EYM10AC Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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