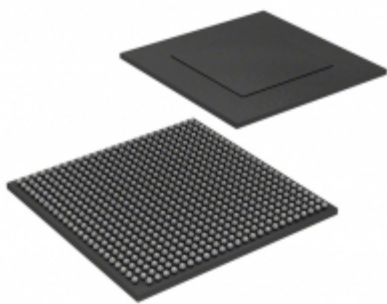


MCIMX6D4AVT10AC



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MCIMX6D4AVT10AC](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6D 1.0GHZ 624FCBGA

Data sheet:

 [I.MX 6 Series Fact Sheet](#)

 [MCIMX6\(D,Q\)YyyyC Datasheet](#)

 [i.MX 6Dual/6Quad Chip Errata](#)

 [iMX6D Ref Manual](#)

RoHs Status: Lead free / RoHS Compliant

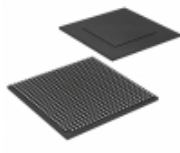
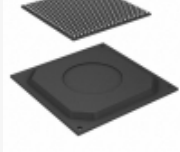
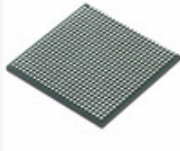
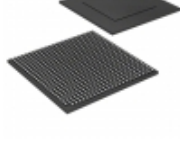
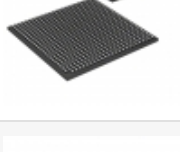
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PRODUCT PARAMETER			
Part Number	MCIMX6D4AVT10AC	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6D 1.0GHZ 624FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	2085 pcs	Data sheet	I.MX 6 Series Fact Sheet MCIMX6(D,Q)YyyyC Datasheet i.MX 6Dual/6Quad Chip Errata 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-FCBGA (21x21)
Speed	1.0GHz	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	935319909557
Operating Temperature	-40°C ~ 125°C (TJ)	Number of Cores/Bus Width	2 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.MX6D 2 Core, 32-Bit 1.0GHz 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#: MCIMX53SMD Description: TABLET SABRE PLATFORM MCIMX53	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX537CVV8CR2 Description: IC MPU I.MX53 800MHZ 529TEBGA-2	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX53SABREAI Description: KIT DEVELOPMENT AUTO I.MX53	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT08AE Description: IC MPU I.MX6D ENHANCED 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6D4AVT10AE Description: I.MX6D ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6D4AVT08ACR Description: IC MPU I.MX6D 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX537CVV8C2R2 Description: I.MX53 32-BIT MPU ARM CORTEX-A8	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D4AVT08AD Description: IC MPU I.MX6D 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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